

IN THE COMMONWEALTH COURT OF PENNSYLVANIA

Carol Ann Carter, Monica Parrilla,
Rebecca Poyourow, William Tung,
Roseanne Milazzo, Burt Siegel,
Susan Cassanelli, Lee Cassanelli,
Lynn Wachman, Michael Guttman,
Maya Fonkeu, Brady Hill, Mary Ellen
Balchunis, Tom DeWall, Stephanie
McNulty, and Janet Temin,

Petitioners,

v.

Leigh Chapman, in her official capacity as
the Acting Secretary of the Commonwealth
of Pennsylvania; Jessica Mathis, in her
official capacity as Director for the
Pennsylvania Bureau of Election Services
and Notaries,

Respondents,

Philip T. Gressman, Ron Y. Donagi,
Kristopher R. Tapp, Pamela Gorkin,
David P. Marsh, James L. Rosenberger,
Amy Myers, Eugene Boman,
Gary Gordon, Liz McMahan,
Timothy G. Feeman, and Garth Isaak,

Petitioners,

v.

Leigh Chapman, in her official capacity as
the Acting Secretary of the Commonwealth
of Pennsylvania; Jessica Mathis, in her
official capacity as Director for the
Pennsylvania Bureau of Election Services
and Notaries,

Respondents.

CASES CONSOLIDATED

No. 464 M.D. 2021

No. 465 M.D. 2021

**RESPONSIVE BRIEF IN SUPPORT OF
GRESSMAN MATH/SCIENCE PETITIONERS' CONGRESSIONAL PLAN**

TABLE OF CONTENTS

INTRODUCTION	1
ARGUMENT	3
I. PLANS FROM THE POLITICAL BRANCHES ARE NOT OWED DEFERENCE AND THE COURT SHOULD AVOID MAKING A POLITICAL CHOICE.....	3
II. THE GMS PLAN BEST COMPLIES WITH ALL STATE AND FEDERAL LEGAL REQUIREMENTS.	7
A. The GMS Plan Achieves Absolute Population Equality.	8
B. The GMS Plan Keeps More Political Subdivisions Intact Than Any Other Plan Proposed By The Parties.	9
C. The GMS Plan Is Contiguous.....	12
D. The GMS Plan Is Superior To Or Comparable With Its Competitors On Various Measures of Compactness.	12
E. The GMS Plan Achieves Optimal Partisan Fairness.	14
1. Under the Pennsylvania Constitution, any plan this Court adopts must be free of partisan bias.....	14
2. The GMS Plan is the fairest plan for Pennsylvania voters.....	17
F. The GMS Plan Fully Complies With The VRA And The Equal Protection Clause.....	21
III. THE GMS PLAN BEST ADDRESSES OTHER PERMISSIBLE REDISTRICTING FACTORS.....	22
A. Unlike Every Other Plan, The GMS Plan Pairs No Incumbents Seeking Reelection.	22

B. The GMS Plan’s Use Of The 2018 Plan As A Baseline Is
Consistent With A Least-Change Approach.....23

IV. NO CHANGE TO THE 2022 PRIMARY CALENDAR IS
NECESSARY IF THIS COURT ACTS EXPEDITIOUSLY.....24

CONCLUSION.....25

TABLE OF AUTHORITIES

CASES

<i>Alabama Legislative Black Caucus v. Alabama</i> , 575 U.S. 254 (2015).....	22
<i>Bethune-Hill v. Virginia State Board of Elections</i> , 137 S. Ct. 788 (2017).....	22
<i>Bush v. Vera</i> , 517 U.S. 952 (1996).....	22
<i>Carstens v. Lamm</i> , 543 F. Supp. 68 (D. Colo. 1982).....	5
<i>Connor v. Finch</i> , 431 U.S. 407 (1977)	6
<i>Cooper v. Harris</i> , 137 S. Ct. 1455 (2017).....	22
<i>Hippert v. Ritchie</i> , 813 N.W.2d 379 (Minn. 2012).....	5
<i>Holloway v. City of Virginia Beach</i> , 531 F. Supp. 3d 1015 (E.D. Va. 2021).....	13
<i>Holt v. 2011 Legislative Reapportionment Commission</i> , 38 A.3d 711 (Pa. 2012).....	9
<i>Johnson v. De Grandy</i> , 512 U.S. 997 (1994).....	21
<i>Johnson v. Wisconsin Elections Comm.</i> , 967 N.W.2d 469 (Wis. 2021).....	4
<i>League of United Latin American Citizens v. Perry</i> , 548 U.S. 399 (2006).....	21
<i>League of Women Voters of Florida v. Detzner</i> , 179 So. 3d 258 (Fla. 2015).....	13
<i>League of Women Voters of Pennsylvania v. Commonwealth</i> , 178 A.3d 737 (Pa. 2018).....	<i>passim</i>
<i>League of Women Voters of Pennsylvania v. Commonwealth</i> , 181 A.3d 1083 (Pa. 2018).....	2, 12, 13, 24
<i>Mellow v. Mitchell</i> , 607 A.2d 204 (Pa. 1992).....	1, 7, 21
<i>O'Sullivan v. Brier</i> , 540 F. Supp. 1200 (D. Kan. 1982).....	5

<i>In re Senate Joint Resolution of Legislative Apportionment 1176</i> , 83 So. 3d 597 (Fla. 2012).....	13
<i>Shaw v. Reno</i> , 509 U.S. 630 (1993).....	22
<i>Sixty-Seventh Minn. State Senate v. Beens</i> , 406 U.S. 187 (1972)	5
<i>Commonwealth ex rel. Specter v. Levin</i> , 293 A.2d 15 (Pa. 1972	12
<i>Vieth v. Pennsylvania</i> , 195 F. Supp. 2d 672 (M.D. Pa. 2002).....	8
<i>Wis. State AFL–CIO v. Elections Bd.</i> , 543 F. Supp. 630 (E.D. Wis. 1982).....	5
STATUTES	
Pa. Const. art. I, § 5.....	14
Pa. Const. art. II, § 16	9, 12

Pursuant to the Court’s January 14, 2022 Order, Petitioners Philip T. Gressman, Ron Y. Donagi, Kristopher R. Tapp, Pamela Gorkin, David P. Marsh, James L. Rosenberger, Amy Myers, Eugene Boman, Gary Gordon, Liz McMahon, Timothy G. Feeman, and Garth Isaak (the “Gressman Math/Science Petitioners”) respectfully submit the following responsive brief in further support of their proposed congressional redistricting plan (the “GMS Plan”).

INTRODUCTION

With the January 30th deadline for the political branch to act fast approaching and no prospect of a political compromise in sight, this Court now finds itself with the unwelcome obligation of adopting a remedial congressional redistricting plan. As stated in *Mellow v. Mitchell*, 607 A.2d 204 (Pa. 1992), “when the courts are thrust into this role, with no feasible option except to take one entire plan or the other,” courts should apply “objective criteria” to choose among the plans. 607 A.2d at 224. And who better to measure achievement on objective criteria than twelve professors of mathematics, statistics, geography, and data science from Pennsylvania’s leading colleges and universities? As they explain below, applying rigorous computational analysis to these objective criteria, the GMS Plan outperforms all the other parties’ proposed plans. The Gressman Math/Science Petitioners therefore urge the Court to adopt the GMS Plan.

As is further detailed in the accompanying Rebuttal Report of Dr. Daryl DeFord,¹ the GMS Plan is the very best among those the parties have submitted to the Court in keeping political subdivisions intact, splitting fewer total political subdivisions than any other proposed plan; its districts are compact, contiguous, and perfectly population-balanced; it includes three majority-minority districts, including one district in which Latinos are the largest group of adult citizens, reflecting the increasing diversity of the Commonwealth. And, importantly, the GMS Plan treats all voters fairly and symmetrically, regardless of their political viewpoint or partisan affiliation. This last point is particularly critical given that “a healthy representative democracy” requires that “all voters ... have an equal opportunity to translate their votes into representation.” *League of Women Voters v. Commonwealth*, 178 A.3d 737, 814 (Pa. 2018) (“*League of Women Voters I*”).

Indeed, the GMS Plan’s performance on all measures of partisan fairness is superlative, but perhaps not surprising given that the Gressman Math/Science Petitioners are the only nonpartisan party before this Court. As the other parties’ proposed maps show, not everyone took the Pennsylvania Supreme Court’s 2018 instructions as seriously as did the Gressman Math/Science Petitioners. As discussed below, the maps submitted by the Republican parties (the House, Senate,

¹ Dr. DeFord’s Rebuttal Report is attached as Exhibit 1. District-by-district maps from the GMS Plan are attached as Exhibit 2.

and Congressional Intervenors) are clearly biased in favor of Republicans. And of the maps submitted by the Democratic parties (the Carter Petitioners, the Governor, and the Democratic House and Senate Intervenors), though they are not nearly as pro-Democratic as the Republican maps are pro-Republican, some nonetheless exhibit bias. The Gressman Math/Science Petitioners, however, offer a map that reaches near-optimal levels on all measures of partisan fairness. And this map is fair not only to voters, but also to those voters' Representatives in Congress, none of whom would be forced to run against each other by being "paired" in the same new district.

The GMS Plan solves the dilemma faced by the Court. In this proceeding, the Court need not choose between Republican and Democrats, nor between State and Federal representatives, nor between the House and the Senate, nor between the Legislative and Executive Branches. Instead, the Court can simply choose the best map—the GMS Plan.

ARGUMENT

I. PLANS FROM THE POLITICAL BRANCHES ARE NOT OWED DEFERENCE AND THE COURT SHOULD AVOID MAKING A POLITICAL CHOICE.

This Court set a deadline of January 30, 2022, for the political branches to enact a new congressional districting plan into law by passage through both houses of the General Assembly and signature from the Governor. On January 24, 2022,

the General Assembly passed a plan that the Governor had already publicly promised to veto. *See* Gov.’s Br. at 6. Thus, with no prospect of a plan enacted into law by the political branches, it has become “the judiciary’s role to determine the appropriate redistricting plan.” *League of Women Voters I*, 178 A.3d at 821–22.

Contrary to the claims of the Republican Legislative Intervenors, House Bill 2146 is not entitled to any “special consideration” by this Court. House Republican Intervenors’ Br. at 9–12. Indeed, the opposite is true. The General Assembly failed to get its preferred proposal enacted into law through the political process, so it cannot now seek to override the Governor’s promised veto by arguing that the Court must defer to the very same proposal the Governor has rejected. In similar impasse litigation in Wisconsin, the state Supreme Court there recently rejected the very same argument made by the Wisconsin Legislature, explaining that “because the recent legislation did not survive the political process,” the Court would not use the congressional or legislative maps the Legislature “passed during this redistricting cycle as a starting point” for its remedial redistricting plans. *Johnson v. Wisconsin Elections Comm.*, 967 N.W.2d 469, 490 n.8 (Wis. 2021).

That conclusion was not novel. As the U.S. Supreme Court has explained, a legislative reapportionment plan that is not signed into law does not deserve deference because it is only the legislature’s “proffered” plan and does not reflect “the State’s policy,” particularly where the Governor has a competing proposal.

Sixty-Seventh Minn. State Senate v. Beens, 406 U.S. 187, 197 (1972). Accordingly, courts have repeatedly rejected the Republican Legislative Intervenors’ argument that a vetoed bill with no force of law deserves deference in a redistricting case. *See, e.g., O’Sullivan v. Brier*, 540 F. Supp. 1200, 1202 (D. Kan. 1982) (three-judge court) (“[W]e are not required to defer to any plan that has not survived the full legislative process to become law.”); *Carstens v. Lamm*, 543 F. Supp. 68, 79 (D. Colo. 1982) (three-judge court) (explaining that a vetoed legislative plan “cannot represent current state policy any more than the Governor’s proposal”); *Hippert v. Ritchie*, 813 N.W.2d 379, 380 n.6 (Minn. 2012) (“[B]ecause the Minnesota Legislature’s redistricting plan was never enacted into law, it is not entitled to ... deference.”); *Wis. State AFL–CIO v. Elections Bd.*, 543 F. Supp. 630, 632 (E.D. Wis. 1982) (three-judge court) (“The vetoed plan has been submitted to us for our consideration and, after reviewing it, we conclude that it is one of the worst efforts before us and for that reason we decline to adopt it. The plan has, in our opinion, no redeeming value.”).

The Pennsylvania Supreme Court has not accorded any special deference to a map passed by the Legislature but rejected by the Governor in the past. In 2018, after the Court struck down the 2011 map, the Court gave the political branches an opportunity to approve a new map. Then, as now, Governor Wolf rejected the map proposed by Republican leaders in the General Assembly. Instead of deferring to

the map advanced by the General Assembly and rejected by the Governor, the Court instead appointed a Special Master and instructed the Special Master to start with the constitutional criteria, not the rejected map. Those criteria, and the way they were implemented in the 2018 Remedial Map, likewise provide the starting point here.

Indeed, the Court should think carefully before rewarding *any* of the political actors in this proceeding for their failure to reach a bipartisan compromise on a congressional redistricting plan for the Commonwealth. Most of the parties that are before this Court are presenting this Court proposals that were: (1) presented and rejected during the legislative process (the Republican legislative intervenors); (2) never presented at all during the legislative process, even though, as legislators, the parties had the opportunity to do so (the Democratic legislative intervenors); or (3) presented very late in the legislative process (the Governor). Rather than saddling this Court with the “unwelcome obligation” of choosing a remedial plan, *Connor v. Finch*, 431 U.S. 407, 415 (1977), these parties could and should have used the legislative process to debate the merits of their proposed plans, air out their strengths and weaknesses, and arrive at a compromise. Having squandered that opportunity, these parties now ask the Court to impose by decree what they were unable to accomplish by dialogue.

The Court need not be put to the choice of resolving this impasse by siding with the Republicans or the Democrats, or the Legislative or Executive Branch, or the House or the Senate, or Federal or State representatives. The Gressman Math/Science Petitioners are the only nonpartisan party before the Court, and they offer this Court the best option for choosing a remedial redistricting plan that fully and scrupulously applies with all the requirements mandated by the Pennsylvania Supreme Court in *League of Women Voters I*, while also treating both Republican and Democratic voters in the most fair and evenhanded way possible.

II. THE GMS PLAN BEST COMPLIES WITH ALL STATE AND FEDERAL LEGAL REQUIREMENTS.

The GMS Plan is superior or comparable to all seven of its competitors on every legal requirement that a congressional plan must satisfy.²

² The parties have submitted plans that were drawn using two different sets of underlying data: (1) the 2020 Census data, unadjusted for errors in Pennsylvania's precinct boundaries and populations; (2) the Legislative Reapportionment Commission's Data Set #1, which corrects these Pennsylvania-specific errors in the 2020 Census Data. An *amicus* party has also used a third set of data, the Legislative Reapportionment Commission's Data Set #2, which reallocates some, but not all, incarcerated people in Pennsylvania to their home addresses. The Court should ensure that any remedial plan is based on the Legislative Reapportionment Commission's Data Set #1—which the GMS Plan, as well as the House Republican Plan, the Governor's Plan, and most other parties' plans used. This is consistent with House Resolution 165, a concurrent resolution passed by the General Assembly on January 24, 2022, requiring the use of this data set in any congressional redistricting legislation prior to the next Census. It is likewise consistent with the Pennsylvania Supreme Court's use of the adjusted Census data in *League of Women Voters of Pennsylvania v. Commonwealth*, 181 A.3d 1083 (Pa. 2018) and *Mellow v. Mitchell*, 607 A.2d 204 (Pa. 1992). Accordingly, the GMS Plan uses Data Set #1,

A. The GMS Plan Achieves Absolute Population Equality.

Population equality is the primary consideration, and indeed the entire impetus, for redistricting. In *League of Women Voters of Pennsylvania v. Commonwealth*, 181 A.3d 1083 (Pa. 2018) (“*League of Women Voters II*”), the Pennsylvania Supreme Court equated “the constitutional guarantee of one person, one vote” in congressional redistricting with ensuring that “no district has more than a one-person difference in population from any other district.” *Id.* at 1087. The GMS Plan and most of the other parties’ plans achieve a one-person deviation, as defined in *League of Women Voters II*, by ensuring that five districts contain 764,864 residents, and twelve districts contain 764,865 residents.

However, two parties took a different approach in their proposed plans. Specifically, the Carter Plan and House Democratic Caucus Plan both have a two-person difference in population from their largest to their smallest districts, rather than the one-person difference called for by *League of Women Voters II*. Although this may seem a small technicality, if either of these plans were adopted by this Court, it could expose that plan to a federal one-person-one-vote challenge. *See, e.g., Vieth v. Pennsylvania*, 195 F. Supp. 2d 672, 675, 678 (M.D. Pa. 2002) (three-judge court) (invalidating a Pennsylvania congressional redistricting plan because

and all comparisons in this brief (and in the expert rebuttal report of Dr. Daryl DeFord, unless otherwise noted) likewise use Data Set #1.

it had a 19-person maximum population deviation). Accordingly, adopting a plan with a one-person deviation, such as the GMS Plan, would be the safer course for the Court to follow.

B. The GMS Plan Keeps More Political Subdivisions Intact Than Any Other Plan Proposed By The Parties.

Any congressional plan adopted by this Court must not split counties, cities, incorporated towns, boroughs, townships, or wards “[u]nless absolutely necessary.” PA. CONST. art. II, § 16; *League of Women Voters I*, 178 A.3d at 816–17. “[S]ome divisions are inevitable” because congressional plans must balance compliance with other legal requirements—including the requirement that districts achieve absolute population equality. *Holt v. 2011 Legislative Reapportionment Commission*, 38 A.3d 711, 758 (Pa. 2012); *see also* Gressman Math/Sci Pets.’ Br. at 17–18. The GMS Plan outperforms every other plan on this legal requirement.

Below, the Gressman Math/Science Petitioners include a table that reports the number of split counties, the number of split “municipalities”—defined as the portion of a city, independent town, borough, or township that falls within a single county—and the number of split wards, in all nine plans proposed by the parties. However, a few points on the metrics are worth noting, at the outset.

First, of all the plans, the GMS Plan splits the *fewest* municipalities, splits the *fewest* wards, splits the *fewest* political subdivisions overall, and is tied with only one plan for the *fewest* political subdivision pieces in total, balancing respect for the

Commonwealth's subdivisions with compliance with the other neutral criteria, better than any other plan. DeFord Rebuttal ¶ 21, Table 6; ¶ 23, Table 7.

- The GMS Plan splits *six* fewer municipalities than the Senate Democratic Caucus Plan 1, *five* fewer than the House Democratic Caucus Plan, *four* fewer than the Carter Plan, *two* fewer than the Senate Democratic Caucus Plan 2, and *one* fewer than the Republican Congressmen Plans 1 and 2.³
- The GMS Plan splits *ten* fewer wards than the Republican Congressmen Plan 1, *nine* fewer than the Republican Congressmen Plan 2, *six* fewer than the Carter and House Democratic Caucus Plans, *two* fewer than the Senate Democratic Caucus Plan 2, and *one* fewer than the Senate Democratic Caucus Plan 1.
- The GMS Plan splits, in total, *fourteen* fewer political subdivisions than the Governor's Plan, *twelve* fewer than the House Democratic Caucus Plan, *ten* fewer than the Senate Democratic Caucus Plan 1, *nine* fewer than the Carter Plan and Republican Congressmen Plan 1, *eight* fewer than the Republican Congressmen Plan 2, *five* fewer than the House Republican Plan, and *two* fewer than the Senate Democratic Caucus Plan 2.

³ The Gressman Math/Sci Petitioners discussed the comparative performance of the House Republican Plan, Governor's Plan, and 2018 Plan in their January 24, 2022 brief supporting their congressional plan. When they have already discussed the relative performance of these three plans in their opening brief, they do not repeat that discussion in this brief.

- Lastly, the GMS Plan creates, in total, *fourteen* fewer political subdivision pieces than the Governor’s Plan, *ten* fewer than the Carter Plan, *nine* fewer than the House Democratic Caucus Plan and Republican Congressmen Plan 1, *eight* fewer than the Republican Congressmen Plan 2, *seven* fewer than the Senate Democratic Caucus Plan 1, and *five* fewer than the House Republican Plan.

Second, the GMS Plan is one of just two plans that split Philadelphia into the three pieces required to achieve absolute population equality and no more, and split *no other cities*. The Carter Plan, Senate Democratic Caucus Plans 1 and 2, and Republican Congressmen Plans 1 and 2 each split multiple cities, even where doing so is unnecessary for population-equality reasons.

The following tables summarize the metrics for political subdivision splits and pieces, across all nine plans, *see id.* ¶ 21, Table 6; *id.* ¶ 23, Table 7; the second table identifies the number of pieces in the proposed plans above the minimum required amount, excluding pieces created when a municipality is split along county lines:

	GMS	House Repubs.	Gov’r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018 Plan
Split Counties	15	15	16	14	17	16	16	13	13	14
Split Municipalities	19	21	22	23	25	21	24	20	20	29
Split Wards	15	18	25	21	17	14	21	25	24	29
Total	49	54	63	58	59	51	61	58	57	72

	GMS	House Repubs.	Governor	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
County Pieces	17	18	19	17	19	18	18	16	16	20
Municipality Pieces	17	18	19	21	20	17	19	17	17	24
Ward Pieces	15	18	25	21	17	14	21	25	24	29
Total Pieces	49	54	63	59	56	49	58	58	57	73

C. The GMS Plan Is Contiguous.

Any congressional plan adopted by this Court must contain districts “composed of ... contiguous territory.” PA. CONST. art. II, § 16; *League of Women Voters I*, 178 A.3d at 816–17. The GMS Plan avoids *any* discontinuity, DeFord Rebuttal ¶ 27—while also outperforming the other plans in preserving the integrity of the Commonwealth’s subdivisions, and complying with all other neutral criteria, *see supra*.

D. The GMS Plan Is Superior To Or Comparable With Its Competitors On Various Measures Of Compactness.

Any congressional plan adopted by this Court must contain districts “composed of compact ... territory.” PA. CONST. art. II, § 16; *League of Women Voters I*, 178 A.3d at 816–17. However, in assessing the compactness of a given congressional plan, this Court must allow for “the elements of unavoidable noncompactness” produced by balancing all other legal requirements. *Commonw. ex rel. Specter v. Levin*, 293 A.2d 15, 17–18 (Pa. 1972) (internal quotation marks omitted), *abrogated on other grounds by Holt v. Legislative Reapportionment*

Commission, 38 A.3d 711 (Pa. 2012). Moreover, as in *League of Women Voters II*, the parties may “disagree on the precise ways to calculate these measures.” 181 A.3d at 1087. What is important is that any plan adopted by the Court be “superior or comparable” to the other plans as well as the 2018 map. *Id.*

On the Convex Hull metric, which measures the district’s proportion of the area of the smallest convex shape that contains the district, the GMS Plan achieves the *best* compactness score of all the plans and is therefore superior to all other plans on this measure. *See* DeFord Rebuttal ¶ 26 (noting that every plan except the GMS Plan includes districts with Convex Hull scores below 0.7). Courts—including the Pennsylvania Supreme Court—routinely rely on the Convex Hull measure in evaluating compactness. *See, e.g., League of Women Voters II*, 181 A.3d at 1087 (using the Minimum Convex Polygon measure of compactness); *see also Holloway v. City of Virginia Beach*, 531 F. Supp. 3d 1015, 1063 (E.D. Va. 2021) (relying on testimony of expert who used the Convex Hull measure of compactness); *League of Women Voters of Fla. v. Detzner*, 179 So. 3d 258, 304, 311 (Fla. 2015) (using the Convex Hull measure of compactness); *In re Senate Joint Resolution of Legislative Apportionment 1176*, 83 So. 3d 597, 613, 646 (Fla. 2012) (same). Across the remaining three compactness metrics that Dr. DeFord analyzes, the GMS Plan achieves compactness scores comparable to all the other plans. DeFord Rebuttal ¶ 25, Table 8. The GMS Plan, moreover, achieves superior or comparable

compactness while also outperforming the other plans in preserving the integrity of the Commonwealth's political subdivisions, and complying with all other neutral criteria. *See supra*.

E. The GMS Plan Achieves Optimal Partisan Fairness.

As shown above, the GMS Plan outperforms every other plan in satisfying the legal requirements designed to guarantee free and equal elections in the Commonwealth: The Plan retains the integrity of the *largest number* of political subdivisions, while also achieving absolute population equality, complete contiguity, and superior or comparable compactness. The GMS Plan also outperforms every other plan in achieving *actual* fairness, under multiple metrics measuring whether a plan is giving “all voters...an equal opportunity to translate their votes into representation,” as called for by the Pennsylvania Supreme Court. *League of Women Voters I*, 178 A.3d at 814.

1. Under the Pennsylvania Constitution, any plan this Court adopts must be free of partisan bias.

The Republican Congressmen and Republican Legislators, and *Amici* Voters of the Commonwealth of Pennsylvania each suggest that this Court need not ensure that any plan it adopts is fair. Repub. Cong. Br. at 34, 36; Repub. Legis. Br. at 23; Voters of COP Br. at 10, 24–25. They are wrong.

The Constitution's Free and Equal Elections Clause, Pa. Const. art. 1, § 5, prohibits “any legislative scheme which has the effect of impermissibly diluting the

potency of an individual’s vote for candidates for elective office relative to that of other voters,” *League of Women Voters I*, 178 A.3d at 809. The Pennsylvania Constitution does not merely prohibit overt partisan gerrymandering. It demands that congressional plans be free of partisan bias: As *League of Women Voters I* explains, the “overarching objective” of the Free and Equal Elections Clause is to prevent partisan dilution of Pennsylvanians’ votes “by mandating that the power of his or her vote in the selection of *representatives be equalized to the greatest degree possible* with all other Pennsylvania citizens.” *Id.* at 817. The Pennsylvania Supreme Court has furthermore made clear that compliance with legal requirements for congressional plans—including the Pennsylvania Constitution’s “neutral criteria”—is the “floor” for protecting against partisan vote dilution, not the ceiling. *Id.* Thus, a plan that “minimally comport[s] with the[] neutral ‘floor’ criteria” can “nevertheless operate to unfairly dilute the power of a particular group’s vote for a congressional representative.” *Id.* This means, in plain terms, that a congressional plan can pass constitutional scrutiny *only* if it satisfies all neutral criteria *and* treats voters for each political party equally.

In their opening briefs, however, some parties misapprehended *League of Women Voters I*’s instruction. The Senate Republican Legislators mischaracterize as “dicta,” Sen. Repub. Legis. Br. at 8, a key part of the decision’s holding—that subordinating the neutral criteria to political factors is unconstitutional vote dilution.

See 178 A.3d at 817. The Supreme Court, in fact, threw out the 2011 Plan precisely because it “subordinate[d] the traditional redistricting criteria in the service of partisan advantage, and thereby deprive[d] Petitioners of their state constitutional right to free and equal elections.” *League of Women Voters I*, 178 A.3d at 818.

The House Republican Legislators imply that simply satisfying the neutral criteria is enough, and that a truly fair plan can be achieved only at the expense of compliance with the neutral criteria. House Repub. Legis. Br. at 23. The GMS Plan shows that this argument is not true because it achieves better compliance with the neutral criteria than any other party while also being a truly fair plan. *See infra*. In any event, the Supreme Court has already rejected these arguments. As *League of Women Voters I* explains, a plan can “minimally comport[.]” with the neutral criteria and still be infected with partisan bias. 178 A.3d at 817. It follows—as a constitutional, and logical, matter—that a congressional plan can, and must, comply with the neutral criteria, and also be fair. *Id.*

Lastly, the Republican Congressmen (*see* Repub. Cong. Br. at 34) confuse redistricting to *favor* partisans by accounting for political considerations—like preserving prior district lines, protecting incumbents, and maintaining the existing political balance—with redistricting that *avoids* favoring partisans or political concerns. The former considerations must be kept “wholly subordinate” to legal redistricting requirements. *League of Women Voters I*, 178 A.3d at 817. By contrast,

a congressional plan that is fair for all voters is precisely what the Free and Equal Elections Clause requires. *Id.*

2. The GMS Plan is the fairest plan for Pennsylvania voters.

Across three different measures of partisan fairness, the GMS Plan achieves the best, or near-best, scores of all the plans submitted by the parties.

On *direct majority responsiveness*—which measures the number of times that the political party whose candidate won the statewide vote also carried most of the plan’s congressional districts, *see* Gressman Math/Sci Pets.’ Br. at 30—the GMS Plan’s performance is tied for best with the Carter Plan, the Senate Democratic Caucus Plan 2, and the House Democratic Plan. DeFord Rebuttal ¶ 30. Under each of these plans, the party with the larger vote share received the larger seat share in over 80% (15 of 18) of the statewide general elections in Dr. DeFord’s sample, *see* Gressman Math/Sci Pets.’ Br. at 31, and the remaining three elections that produced antimajoritarian outcomes were divided as evenly as possible, with one election favoring one political party and two favoring the other party, *id.*; DeFord Rebuttal ¶ 31, Table 9. In contrast, the Republican Congressmen Plans 1 and 2 produce antimajoritarian outcomes in *six* elections, and all six outcomes favor Republicans. DeFord Rebuttal ¶ 31, Table 9. The Senate Democratic Caucus Plan 1 produces antimajoritarian outcomes in three elections, and all these outcomes favor Republicans as well. *Id.*

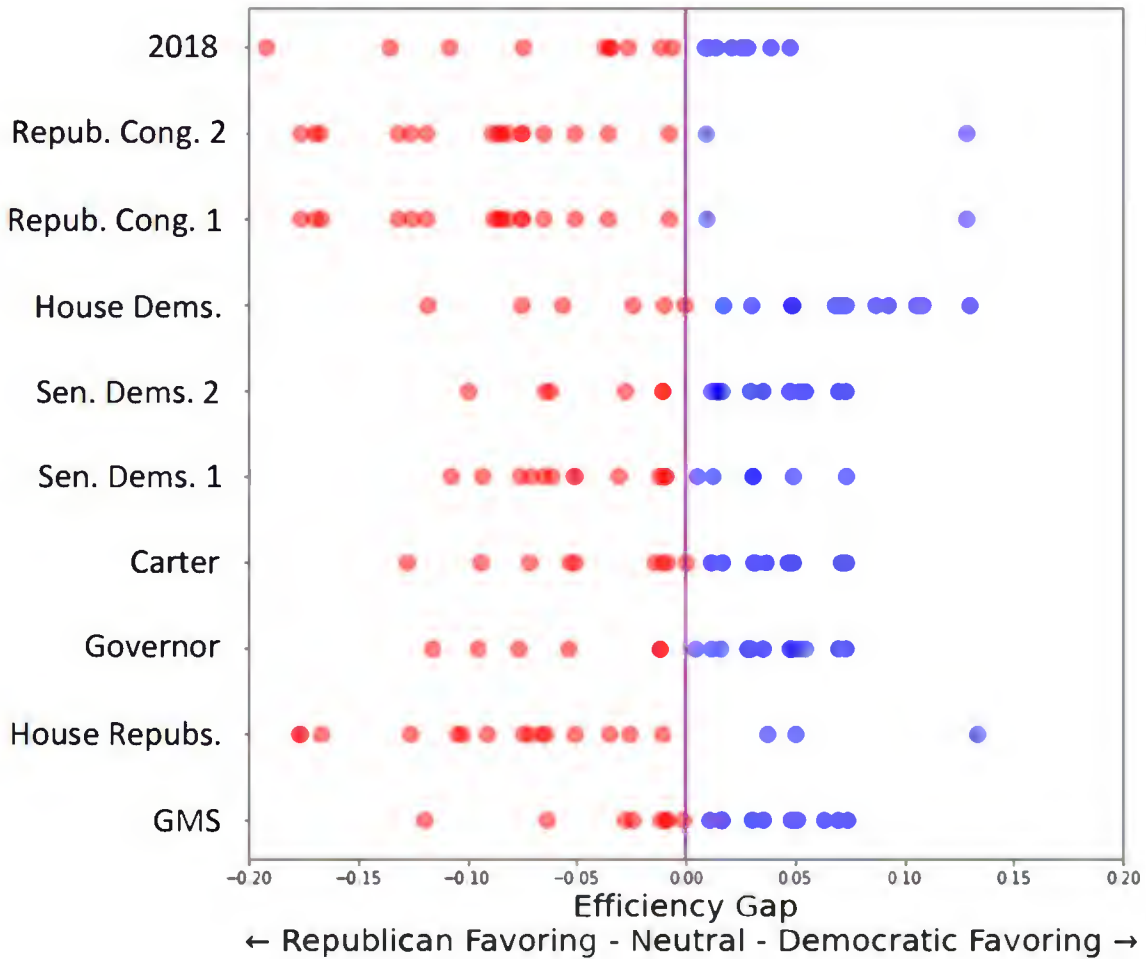
The following table lists the antimajoritarian outcomes that Dr. DeFord identified in his analysis of majority responsiveness across all nine plans submitted to this Court, *see id.* ¶ 31, Table 10:

	GMS	House Repubs.	Gov'r	Carter	Sen. Dem. 1	Sen. Dem. 2	House Dem.	Repub. Congr. 1	Repub. Congr. 2	2018
Democrat-Favoring Outcome	1	0	2	1	0	2	1	0	0	0
Republican-Favoring Outcome	2	5	2	2	3	1	2	6	6	1
Total	3	5	4	3	3	3	3	6	6	1

On the *efficiency gap*—which compares the number of “wasted” votes cast for each party’s candidates, with a lower number indicating better partisan fairness, *see* Gressman Math/Sci Pets.’ Br. at 35–36—the GSM Plan achieves near the optimal score of zero for all 18 elections in Dr. DeFord’s analysis, matched only by the Carter Plan. DeFord Rebuttal ¶ 38, Table 13. At the other end of the spectrum, the Republican Congressmen Plans 1 and 2 have the highest efficiency gap of all the plans, demonstrating that the plans clearly favor Republicans.

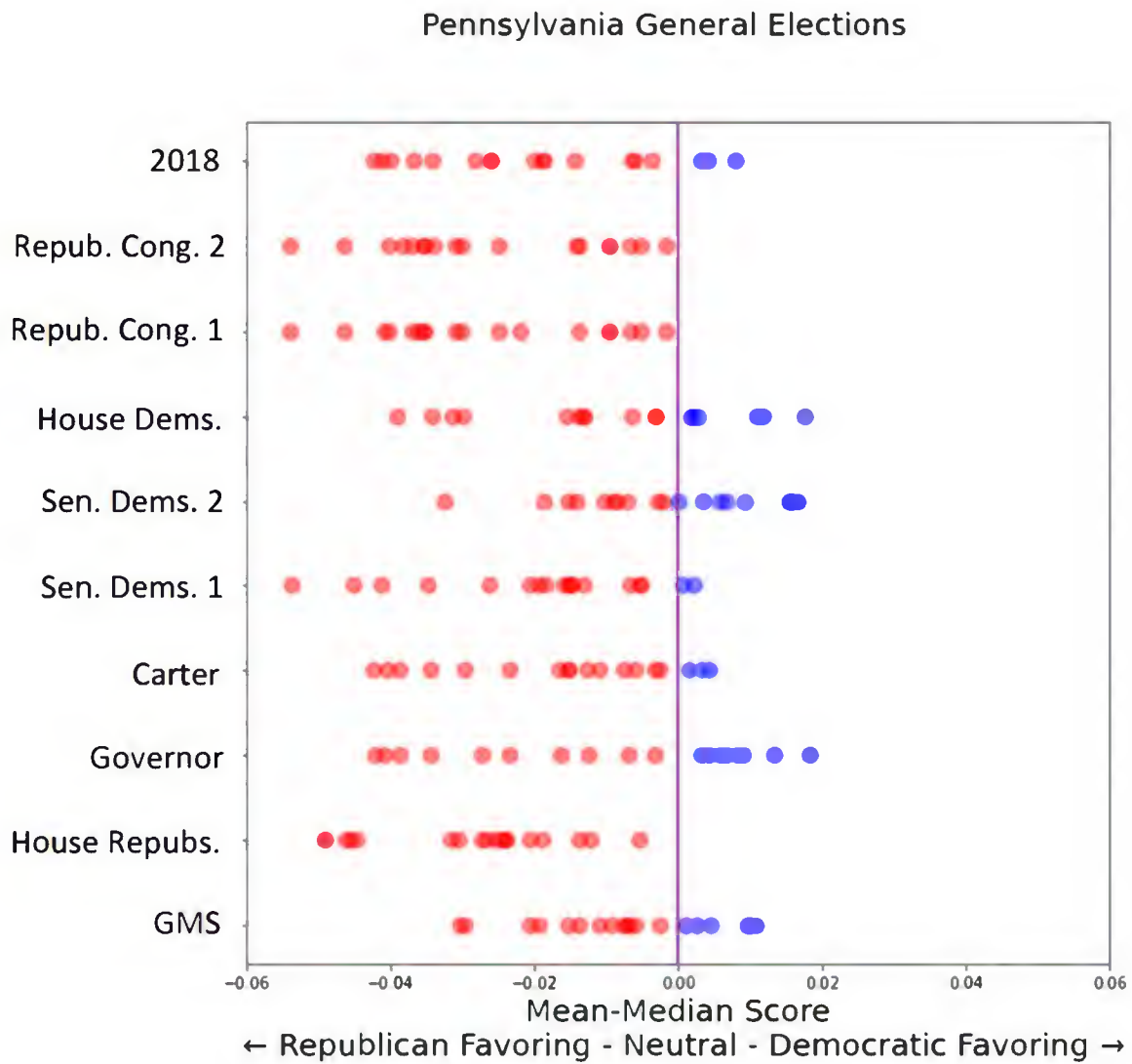
The following figure shows the efficiency gap measures across all nine plans submitted to this Court, *see id.* ¶ 35, Fig. 2. The points are colored red for values that favor Republican voters and blue for values the favor Democratic voters and the vertical purple line marks the “ideal” zero value. *Id.* ¶ 35. Plans that perform well on this metric will have the majority of their values near zero and will have some elections that favor each party. *Id.*

Pennsylvania General Elections



On the *mean-median score*—which compares each plan’s “median” district with the Commonwealth as a whole, *see* Gressman Math/Sci Pets.’ Br. at 37–38—the GMS Plan achieves the *best* score of all the plans, for all 18 elections in Dr. DeFord’s analysis. DeFord Rebuttal ¶ 38, Table 12. Yet again, the Republican Congressmen Plans 1 and 2 have the highest mean-median score of all the plans, again overwhelmingly favoring the Republicans. *Id.*

The following figure shows the mean-median scores across all nine plans submitted to this Court, *see id.* ¶ 35, Fig. 1. The points are colored red for values that favor Republican voters and blue for values that favor Democratic voters and the vertical purple line marks the “ideal” zero value. *Id.* ¶ 35. Plans that perform well on this metric will have the majority of their values near zero and will have some elections that favor each party. *Id.*



F. The GMS Plan Fully Complies With The VRA And The Equal Protection Clause.

As noted in the Gressman Math/Science Petitioners' Opening Brief, almost 20% of the Commonwealth's adult citizen population (or "CVAP"), belongs to a racial or language minority group, with Latinos constituting a fast-rising 6% of the Commonwealth's CVAP. To guard against potential liability under Section 2, a redistricting plan must provide effective opportunities for minority-group members to nominate and elect their preferred candidates in a number of districts that is "roughly proportional" to the minority group's share of a state's CVAP. *League of United Latin Am. Citizens v. Perry (LULAC)*, 548 U.S. 399, 436–38 (2006); *Johnson v. De Grandy*, 512 U.S. 997, 1000 (1994).⁴

In a 17-district plan, because 20% of 17 districts would equal 3.4 districts, the most recent data suggests that, under the VRA's "rough" proportionality principle, Pennsylvania should have at least three congressional districts where minority voters have a realistic opportunity to nominate and then elect their preferred candidates. Unlike any of the other parties' plans, the GMS Plan includes (a) three

⁴ In *Mellow*, the Pennsylvania Supreme Court relied on a similar proportionality analysis to conclude that an additional district in which Black voters would have an opportunity to nominate and elect their candidates of choice should be included in the congressional remedial plan. See 607 A.2d at 206-07 (discussing the need for two out of 21 districts in which Black voters would have the opportunity to nominate and elect their candidates of choice "in light of Pennsylvania's 9% African-American population").

majority-minority districts in which minority citizens will have such an opportunity, including (b) one in which Latino adult citizens would constitute the largest minority group. Both of these features would be historic firsts for the Commonwealth of Pennsylvania. The GMS Plan therefore best guards against the potential that a plan adopted by this Court is later challenged in federal court under the VRA.

Importantly, in doing so, the GMS Plan also scrupulously adheres to the Fourteenth Amendment, because race did not predominate in the drawing of these districts and no district was drawn to hit some arbitrary or mechanical threshold of minority voting-age population, such as “50% Black.” *See Cooper v. Harris*, 137 S. Ct. 1455, 1469 (2017); *Bethune-Hill v. Va. State Bd. of Elections*, 137 S. Ct. 788, 799, 801–02 (2017); *Ala. Legis. Black Caucus v. Alabama*, 575 U.S. 254, 267, 275 (2015); *Bush v. Vera*, 517 U.S. 952, 969–72 (1996). Each of the three districts in the GMS Plan is compact and adheres largely to municipal and ward boundaries and therefore raises no issues of potential liability under the *Shaw v. Reno*, 509 U.S. 630 (1993), line of cases.

III. THE GMS PLAN BEST ADDRESSES OTHER PERMISSIBLE REDISTRICTING FACTORS.

A. Unlike Every Other Plan, The GMS Plan Pairs No Incumbents Seeking Reelection.

If the Court decides to consider whether the plan it adopts pairs incumbents, *see Gressman Math/Sci Pets.’ Br.* at 47, the GMS Plan is without peer on this factor.

The GMS Plan pairs *zero* incumbents seeking reelection in 2022. DeFord Rebuttal ¶ 45, Table 15. Meanwhile, the Senate Democratic Caucus Plan 2, the House Democratic Caucus Plan, and the Republican Congressman Plan 1 each pair *four* incumbents seeking reelection, and the Carter Plan, the Senate Democratic Caucus Plan 1, and the Republican Congressmen Plan 2 each pair *two* incumbents seeking reelection. *Id.* ¶ 45, Table 15. The following table lists incumbent pairs in each of the nine plans the parties have proposed, *see id.*:

Plan	Number of Districts with Paired Incumbents	Names of Paired Incumbents
GMS	1	District 14: Reschenthaler (R) and Lamb* (D)
House Repubs.	2	District 8: Meuser (R) and Cartwright (D) District 15: Lamb* (D) and Doyle* (D)
Governor	2	District 5: Dean (D) and Scanlon (D) District 12: Keller (R) and Joyce (R)
Carter	2	District 17: Lamb* (D) and Doyle* (D) District 15: Keller (R) and Thompson (R)
Sen. Dems. 1	1	District 9: Meuser (R) and Keller (R)
Sen. Dems. 2	2	District 1: Fitzpatrick (R) and Boyle (D) District 9: Meuser (R) and Keller (R)
House Dems.	3	District 8: Meuser (R) and Cartwright (D) District 11: Perry (R) and Smucker (R) District 17: Lamb (D)* and Doyle (D)*
Repub. Congress 1	2	District 7: Keller (R) and Cartwright (D) District 13: Scanlon (D) and Houlahan (D)
Repub. Congress 2	1	District 7: Keller (R) and Cartwright (D)

B. The GMS Plan’s Use Of The 2018 Plan As A Baseline Is Consistent With A Least-Change Approach.

Certain parties have suggested that the Court should consider “least change” metrics in its analysis. To be sure, nothing in *Mellow*, *League of Women Voters I*,

League of Women Voters II, or any other applicable precedent suggests that congressional redistricting in Pennsylvania must follow a least change approach. *Contra* Carter Br. at 5. Using least-change metrics here is of limited utility because an 18-district plan is being replaced by only 17 districts. That said, the GMS Plan’s approach to the 2018 Remedial Plan is fully consistent with the Carter Plan’s “least-change” approach. Like the Carter Plan, the GMS Plan treats the 2018 Remedial Plan as the baseline for drawing a plan that fully complies with all legal requirements for congressional redistricting. And the GMS Plan largely improves upon the 2018 Remedial Plan’s performance on all the relevant legal criteria.

IV. NO CHANGE TO THE 2022 PRIMARY CALENDAR IS NECESSARY IF THIS COURT ACTS EXPEDITIOUSLY.

The Gressman Math/Science Petitioners take no position on how long the Commonwealth can go without a lawful, constitutional congressional plan in place before Respondents’ ability to effectively administer the 2022 primary election is impeded. Nor do they take a position on whether the Court can *sua sponte* revise the existing primary calendar, without input from Respondents. *See* Repub. Cong. Br. at 43–46; *but see League of Women Voters I*, 175 A.3d at 290 (directing the “Executive Branch Respondents” to “take all measures, including adjusting the election calendar if necessary, to ensure that” the originally-scheduled primary take place under the remedial plan); *League of Women Voters II*, 181 A.3d at 1088 (in remedial order, approving revised election calendar submitted by the Secretary of

the Commonwealth and the Commissioner of the Bureau of Commissions, Elections, and Legislation); *see also* Order, *Holt v. 2011 Legislative Reapportionment Comm'n*, 7 MM 2012 (Feb. 13, 2012) (“Any issues respecting deferring the state legislative primary, or scheduling special elections, etc., are, in the first instance, the concern and province of the political branches.”).

The Gressman Math/Science Petitioners simply ask that this Court act expeditiously and adopt the GMS Plan no later than Monday, January 31, 2022. This Court’s speedy resolution of this matter will ensure that the 2022 primary can proceed as scheduled.

CONCLUSION

This Court should adopt the GMS Plan because the GMS Plan is the best plan before the Court. It fully complies with all state and federal legal requirements, outperforms its competitor plans on nearly every metric, expands opportunities for minority voters, preserves numerous communities of interest, forces no incumbents to run against each other, and is fundamentally fair to all citizens of the Commonwealth. Moreover, selecting the GMS Plan means that the Court need not choose sides between Republicans and Democrats, between Federal and State representatives, between the House and the Senate, or between the Legislative and the Executive Branch.

Dated: January 26, 2022

Sam Hirsch (PHV)
Jessica Ring Amunson (PHV)
Lindsay C. Harrison (PHV)
Tassity S. Johnson (PHV)
Claire M. Lally (PHV)
JENNER & BLOCK LLP
1099 New York Avenue, NW, Ste. 900
Washington, DC 20001
(202) 639-6000
SHirsch@jenner.com
JAmunson@jenner.com
TJohnson@jenner.com
LHarrison@jenner.com
CLally@jenner.com

April A. Otterberg (PHV)
JENNER & BLOCK LLP
353 North Clark Street
Chicago, IL 60654-3456
(312) 222-9350
AOtterberg@jenner.com

Respectfully submitted,

By: /s/ Kim M. Watterson

Kim M. Watterson (PA 63552)
Devin M. Misour (PA 311892)
REED SMITH LLP
225 Fifth Avenue, Ste. 1200
Pittsburgh, PA 15222
(412) 288-3131
kwatterson@reedsmith.com
dmisour@reedsmith.com

Shannon E. McClure (PA 164502)
REED SMITH LLP
Three Logan Square
1717 Arch Street, Ste. 3100
Philadelphia, PA 19103
(215) 851-8100
smcclure@reedsmith.com

Counsel for Petitioners

CERTIFICATE OF COMPLIANCE

I certify that this filing complies with the provisions of the *Case Records Public Access Policy of the Unified Judicial System of Pennsylvania* that require filing confidential information and documents differently than non-confidential information and documents.

Submitted by: Kim M. Watterson

Signature: /s/ Kim M. Watterson

Name: Kim M. Watterson

Attorney No. PA 63552

PROOF OF SERVICE

On January 26, 2022, I caused a copy of the foregoing to be served on all counsel of record via the electronic filing system, PACFile:

/s/ Kim M. Watterson
Kim M. Watterson (PA 63552)
REED SMITH LLP
225 Fifth Avenue, Ste. 1200
Pittsburgh, PA 15222
(412) 288-3131
kwatterson@reedsmith.com

EXHIBIT 1

Rebuttal Expert Report of Professor Daryl R. DeFord on behalf of the Gressman Math/Science Petitioners

Wednesday, January 26, 2022

I Introduction

- ¶ 1 I previously submitted an expert report in this matter, dated January 24, 2022. My qualifications, as well as my methodologies for analyzing the proposed Congressional redistricting plans offered in this case, are set out in that report.
- ¶ 2 In this report, I address the proposed Congressional redistricting plans submitted by the following parties on January 24, 2022:
- Philip T. Gressman et al. (the “**Gressman Math/Science Petitioners**” or “**GMS**”)
 - Bryan Cutler, Speaker of the Pennsylvania House of Representatives, et al. (“**House Repubs.**”).
 - Tom Wolf, Governor of the Commonwealth of Pennsylvania (“**Governor**”).
 - Carol Ann Carter et al. (“**Carter**”).
 - The Pennsylvania State Senate Democratic Caucus (“**Sen. Dems. 1**” and “**Sen. Dems. 2**”).
 - Representative Joanna E. McClinton, Leader of the Democratic Caucus of the Pennsylvania House of Representatives (“**House Dems.**”).
 - United States Representative Guy Reschenthaler, et al. (“**Repub. Cong. 1**” and “**Repub. Cong. 2**”).
- ¶ 3 These plans are referred to here collectively as the “Proposed Plans.”

- ¶ 4 The focus of my opening report was the GMS Plan. I also addressed publicly available data about the Governor’s Plan and the House Republicans’ Plan¹ in my opening report, and I offered certain information about the remedial plan adopted in 2018 by the Pennsylvania Supreme Court (the “2018 Plan”). The additional analysis and opinions offered in this report supplements those provided in my opening report.
- ¶ 5 For this report, I have also analyzed the proposed Congressional redistricting plans submitted by *amici curiae*. Appendix A to this report includes various tables and figures analyzing these plans under the methodologies I described in my opening report. I do not discuss the *amici* submissions in the body of this report.
- ¶ 6 For this report, I relied on many of the same data sources listed in my opening report. Additional data used to compile this rebuttal report is listed in Appendix B. When not otherwise described, the metrics applied here are computed as defined in my initial report.
- ¶ 7 In some instances, there are differences between the metric values I am reporting below and the metric values that a party provided to the Court with its proposed plan on January 24. Certain measures, including most compactness measures, will vary depending on the specific details for the method of calculation. In other instances, discrepancies may be due to the different underlying datasets used to draw the various parties’ maps. In the limited amount of time that I had to analyze the Proposed Plans, I was unable to identify and run down all discrepancies between the metrics I report below and the metrics reported by parties or their experts. To assist the Court in resolving these issues, I have provided the Court with tables and figures, below, that applying the exact same methodology for each metric to all the Proposed Plans. I believe this will help the Court to make “apples to apples,” rather than “apples to oranges,” comparisons across the various Proposed Plans.

II Executive Summary

- ¶ 8 I analyzed the Proposed Plans and compared them on a variety of metrics related to both legally mandated requirements and other traditional neutral redistricting criteria. As in my initial report, I note that distinctive features of the GMS Plan include its performance on preserving political-subdivision boundaries, its evenhanded treatment of voters supporting candidates from either major

¹ The plan I call the House Republicans Plan (or “House Repubs.”) in this report was identified as the “House Plan” in my opening report.

political party, and the creation of three majority-minority districts. Expanding the number of comparator maps has only strengthened these distinctions by highlighting the relative strengths of the GMS plan.

¶ 9 As I set out more fully in this report:

- With respect to population balance, the GMS Plan achieves the best possible deviation of a single person, together with six of the eight other proposed maps.
- The GMS Plan is also contiguous, as is the case for each of the other Proposed Plans.
- The GMS Plan is geographically compact, with scores across the considered metrics that are similar to the other proposals.
- In terms of adhering to political-subdivision boundaries, the GMS Plan performs the best of all proposals on several measures, including the number of total splits summed across counties, municipalities, and wards. It is also one of only two plans that splits Philadelphia into the smallest possible number of pieces, keeps Pittsburgh whole in one district, and does not split any city other than Philadelphia.
- With respect to majority responsiveness and partisan symmetry, the GMS Plan again achieves the best value on several metrics. This is particularly true when considering the most recent elections including the four 2020 general elections, in which two Republican candidates and two Democratic candidates won statewide, all by narrow margins. The GMS Plan's effectiveness at allowing voters from both parties to translate even small vote majorities into representative majorities in the state's congressional delegation provides strong evidence of fairness in treating voters from both parties.
- Unlike the GMS Plan, none of the other proposals create a third voting-age majority-minority district, and none contain a majority-minority district in which Latino adult citizens form the largest minority group.

¶ 10 Analyzing the parties' submissions across the large collection of metrics presented in this report provides strong evidence that the GMS Plan achieves excellent performance both in an absolute sense, as well as relative to the full collection of Proposed Plans. I did not identify any of the other proposal that outperforms the GMS Plan with respect to the full framework presented in my reports.

III Evaluation of Proposed Plans

¶ 11 In this section, I summarize my conclusions regarding the Proposed Plans, according to each of the redistricting criteria and metrics set forth in my opening report.

III.A Population Equality

¶ 12 As stated in my opening report, zero-balancing population—tolerating a maximum of a one-person difference from the population of the smallest district to the population of the largest district—is optimal for Pennsylvania Congressional redistricting.

¶ 13 I evaluated each of the Proposed Plans to determine if they achieve the required zero-balancing. To do this, I used the Legislative Reapportionment Commission’s Dataset #1. Using that dataset, I concluded that two of the Parties’ Plans—the Carter Plan and the House Democrats Plan—contain slightly overpopulated districts and thus are not zero-balanced. This assessment is set forth in Table 1.

Population Deviation	GMS	House Repubs.	Governor	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2
Largest District Size	764,865	764,865	764,865	764,866	764,865	764,865	764,866	764,865	764,865
Smallest District Size	764,864	764,864	764,864	764,864	764,864	764864	764,864	764,864	764,864
Deviation	1	1	1	2	1	1	2	1	1

Table 1: Population Deviation in the Proposed Plans

III.B Respect for Political-Subdivision Boundaries

Counties

¶ 14 I analyzed each of the Proposed Plans to determine the extent to which the plan splits counties, including the number of counties that are split (a) when not required by the county’s population size, or (b) more times than are required for population reasons. On these metrics, the GMS Plan continues to perform well across all plans.

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
Number of counties split	15	15	16*	14*	17*	16	16*	13	13	14*
Number of non-“intact” counties	12	13	14	12	14	14	13	11	11	11
Number of county pieces beyond those required by population	13	14	15	13	15	14	14	12	12	14

Table 2: Summary of County Splits in the Proposed Plans and the 2018 Plan

*Includes a split of the discontinuous portion of Chester County

Municipalities

- ¶ 15 I also analyzed each of the Proposed Plans to determine the extent to which the plan splits municipalities—Pennsylvania’s cities, incorporated town, boroughs, and townships. On this metric, the GMS Plan performs the best with respect to the total number of split municipalities and is tied for the best with respect to the number of municipalities that are split other than for population reasons or to respect a county line.
- ¶ 16 Table 3 summarizes my analysis of the Proposed Plans on this metric.

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
Split Cities	1	1	2	2	2	2	1	2	2	1
Split Towns	0	0	0	0	0	0	0	0	0	0
Split Boroughs	3	6	4	4	8	7	10	4	4	6
Split Townships	15	14	16	17	15	12	13	14	14	22
Total Split Municipalities	19	21	22	23	25	21	24	20	20	29
Population-required splits	1	1	1	1	1	1	1	1	1	1
Number of municipalities split along county lines (all boroughs)	3	5	4	3	6	5	6	4	4	6
Number of non-“intact” municipalities	15	15	17	19	18	15	17	15	15	22

Table 3: Summary of Splits of Municipalities in the Proposed Plans and in the 2018 Plan

- ¶ 17 I also identified which cities are split in each plan, whether a plan split Philadelphia into more than the three pieces required by the size of the city’s population, and whether the plan split Pittsburgh, whose population does not require the city to be split. The results of that analysis are summarized in Table 4 below. The GMS Plan is one of only two plans that both (a) split Philadelphia into only the three pieces required for population purposes, (b) keep Pittsburgh intact in one district, and (c) split no city other than Philadelphia.
- ¶ 18 In addition, one plan (Carter) splits the city of Williamsport, whose population of 27,754 is nowhere near to necessitating a split, and two plans (Repub. Cong. 1 and 2) split the city of Carbondale, even though that city has a population of only 8,828 people. Both cities are kept intact in the GMS Plan.

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
Split Cities	Philadelphia	Philadelphia	Philadelphia Pittsburgh	Philadelphia Williamsport	Philadelphia Pittsburgh	Philadelphia Pittsburgh	Philadelphia	Philadelphia Carbondale	Philadelphia Carbondale	Philadelphia
# Philadelphia Pieces	3	4	3	3	3	3	3	3	3	3
# Pittsburgh Pieces	1	1	2	1	2	2	1	1	1	1

Table 4: Cities Split in the Proposed Plans and the 2018 Plan

Wards

¶ 19 I analyzed each of the Proposed Plans to determine the number of wards that are split into different districts. The GMS Plan has the second fewest ward splits and correspondingly the second lowest number of ward pieces across all of the Proposed Plans. The gap here between the GMS Plan and most of the other Proposed Plans is sizable, with only 15 split wards in the GMS Plan, in contrast to 21 to 25 split wards in most of the other Proposed Plans.

¶ 20 The results of my analysis of ward splits are summarized in Table 5.

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
Split Wards	15	18	25	21	17	14	21	25	24	29

Table 5: Ward Splits in the Proposed Plan and in the 2018 Plan

Ward splits for the 2018 Plan come from reporting in *League of Women Voters* and is based on ward boundaries as they existed at the time.

Summary

¶ 21 To complete my analysis of the Proposed Plans' performance on the criterion of respect for political subdivisions, I also summed the number of splits across the three types of political subdivisions (counties, four types of municipalities, and wards) identified above. We can use the values to evaluate whether a particular plan is making tradeoffs among the types of political subdivisions, such as

making more municipal splits in exchange for fewer county splits, or vice versa. On this metric, the GMS Plan achieves the fewest total splits of any of the Proposed Plans. These results are summarized in Table 6.

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018 Plan
Split Counties	15	15	16	14	17	16	16	13	13	14
Split Municipalities	19	21	22	23	25	21	24	20	20	29
Split Wards	15	18	25	21	17	14	21	25	24	29
Total	49	54	63	58	59	51	61	58	57	72

Table 6: Summary of Political Subdivision Splits in the Proposed Plan and in the 2018 Plan

- ¶ 22 I also evaluated the total number of pieces created in the Proposed Plans across political subdivisions. A “piece” counts the number of districts into which the political subdivision is split. For example, a county that is split once will consist of two pieces (one in one district and the other in another district), while a county that is split twice will have three pieces, each of which falls in a different district.
- ¶ 23 Table 7 shows the number of county, municipality, and ward pieces that are (1) above the minimum numbers for each² and (2) not merely municipality pieces created when a municipality is split along a county line. The GMS Plan is tied for the best on this metric among all the Proposed Plans.

	GMS	House Repubs.	Governor	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
County Pieces	17	18	19	17	19	18	18	16	16	20
Municipality Pieces	17	18	19	21	20	17	19	17	17	24
Ward Pieces	15	18	25	21	17	14	21	25	24	29
Total Pieces	49	54	63	59	56	49	58	58	57	73

Table 7: Summary of Political Subdivision Pieces in the Proposed Plan and in the 2018 Plan

² For example, the minimum number of county pieces is 67 because there are 67 counties in Pennsylvania.

III.C Compactness

- ¶ 24 I analyzed each of the Proposed Plans according to four compactness measures: Polsby-Popper, Reock, Convex Hull, and Cut Edges.
- ¶ 25 The results of my analysis, computed using Python libraries [gcocompactness] in the epsg:4269 projection, are set forth in Table 8.

Compactness Measure	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
Mean Polsby-Popper <i>(higher is more compact)</i>	.33	.31	.37	.31	.30	.32	.27	.35	.34	.32
Mean Reock <i>(higher is more compact)</i>	.40	.38	.40	.41	.37	.38	.39	.43	.41	.43
Mean Convex Hull <i>(higher is more compact)</i>	.80	.78	.81	.78	.77	.79	.75	.81	.80	.79
Cut Edges <i>(lower is more compact)</i>	5,546	5,882	5,154	5,896	6,016	5,476	6,821	5,061	5,208	5,789

Table 8: Compactness Scores in the Proposed Plans and the 2018 Plan

- ¶ 26 The GMS Plan is the only plan in which every single district has a Convex Hull score of at least 0.70—suggesting that the GMS Plan contains no districts that are extremely distorted. Thus, even when tradeoffs were made with respect to other criteria like population balance, preservation of county, municipal, and ward boundaries, and not pairing incumbents, those tradeoffs did not override attention to compactness.

III.D Contiguity

- ¶ 27 I analyzed each of the Proposed Plans to determine whether they all contain fully contiguous districts. All of the Proposed Plans satisfy this basic criterion.

III.E Partisan Fairness

Majority Responsiveness

- ¶ 28 I analyzed each of the Proposed Plans under my majority-responsiveness metric. This metric is a simple measure of direct majority responsiveness, computing for a given election whether the party that won statewide also would have won carried a majority of districts in the proposed redistricting plan. As with my opening report, I rely on the same set of 18 statewide general elections from 2012 to 2020.

- ¶ 29 Under the majority responsiveness measure, a map that symmetrically allows either party a solid chance to convert a majority vote share into a majority seat share appears fairer than a map that makes it much harder for one party than the other to do so.
- ¶ 30 This metric identifies the House Republicans Plan and the two Congressional Republicans Plans as generating high numbers of antimajoritarian outcomes that favor only one party: the Republican Party. A fourth plan, Senate Democrats 1, shows fewer antimajoritarian outcomes; but again, all favor the Republican Party. The GMS Plan is tied for the fewest antimajoritarian outcomes overall, and the three instances where such outcomes occurred were split between both political parties.
- ¶ 31 Table 9 provides my calculations of each Proposed Plan's performance on the majority responsiveness metric.

Table 9: Majority-Responsiveness Metric

[antimajoritarian outcomes are shaded in either red (denoting outcomes favoring Republicans) or blue (favoring Democrats)]

Election	Winner	Dem%	GMS (seats/ 17)	House Repubs. (seats/ 17)	Governor (seats/ 17)	Carter (seats/ 17)	Sen. Dem. 1 (seats/ 17)	Sen. Dem. 2 (seats/ 17)	House Dem. (seats/ 17)	Repub. Congr. 1 (seats/ 17)	Repub. Congr. 2 (seats/ 17)	2018 (seats/ 18)
Atty. Gen. '12	D	57.5%	70.6% (12)	76.5% (13)	70.6% (12)	70.6% (12)	70.6% (12)	70.6% (12)	76.5% (13)	76.5% (13)	76.5% (13)	66.7% 12
Auditor '12	D	51.7%	41.2% (7)	35.3% (6)	47.1% (8)	47.1% (8)	47.1% (8)	52.9% (9)	47.1% (8)	35.3% (6)	35.3% (6)	38.9% (7)
Pres. '12	D	52.7%	58.8% (10)	52.9% (9)	58.8% (10)	52.9% (9)	52.9% (9)	58.8% (10)	64.7% (11)	41.2% (7)	41.2% (7)	50% (9)
Senate '12	D	54.6%	58.8% (10)	52.9% (9)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	64.7% (11)	58.8% (10)	58.8% (10)	55.6% (10)
Treas. '12	D	54.4%	58.8% (10)	47.1% (8)	58.8% (10)	58.8% (10)	47.1% (8)	58.8% (10)	64.7% (11)	52.9% (9)	52.9% (9)	55.6% (10)
Gov'r '12	D	54.9%	58.8% (10)	52.9% (9)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	64.7% (11)	52.9% (9)	52.9% (9)	55.6% (10)
Atty. Gen. '16	D	51.4%	58.8% (10)	41.2% (7)	58.8% (10)	58.8% (10)	52.9% (9)	58.8% (10)	58.8% (10)	35.3% (6)	35.3% (6)	55.6% (10)
Auditor '16	D	52.6%	47.1% (8)	41.2% (7)	47.1% (8)	47.1% (8)	47.1% (8)	47.1% (8)	47.1% (8)	41.2% (7)	41.2% (7)	50% (9)
Pres. '16	R	49.6%	47.1% (8)	41.2% (7)	52.9% (9)	47.1% (8)	41.2% (7)	52.9% (9)	47.1% (8)	41.2% (7)	41.2% (7)	44.4% (8)
Senate '16	R	49.3%	52.9% (9)	29.4% (5)	35.3% (6)	35.3% (6)	41.2% (7)	41.2% (7)	35.3% (6)	29.4% (5)	29.4% (5)	27.8% (5)
Treas. '16	D	53.4%	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	52.9% (9)	58.8% (10)	64.7% (11)	47.1% (8)	47.1% (8)	55.6% (10)
Sup. Ct. '17	R	47.7%	41.2% (7)	35.3% (6)	35.3% (6)	35.3% (6)	35.3% (6)	35.3% (6)	41.2% (7)	35.3% (6)	35.3% (6)	33.3% (6)
Senate '18	D	56.7%	58.8% (10)	58.8% (10)	64.7% (11)	64.7% (11)	64.7% (11)	58.8% (10)	64.7% (11)	52.9% (9)	52.9% (9)	61.1% (11)
Gov. '18	D	58.7%	64.7% (11)	58.8% (10)	64.7% (11)	64.7% (11)	64.7% (11)	64.7% (11)	64.7% (11)	58.8% (10)	58.8% (10)	66.7% (12)
Atty. Gen. '20	D	52.3%	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	64.7% (11)	52.9% (9)	52.9% (9)	55.6% (10)
Auditor '20	R	48.4%	47.1% (8)	29.4% (5)	47.1% (8)	41.2% (7)	41.2% (7)	41.1% (8)	41.1% (8)	35.3% (6)	35.3% (6)	38.9% (7)
Pres. '20	D	50.6%	52.9% (9)	47.1% (8)	52.9% (9)	52.9% (9)	52.9% (9)	52.9% (9)	58.8% (10)	47.1% (8)	47.1% (8)	50% (9)
Treas. '20	R	49.6%	47.1% (8)	41.2% (7)	52.9% (9)	52.9% (9)	41.2% (7)	52.9% (9)	52.9% (9)	41.2% (7)	41.2% (7)	50% (9)

¶ 32 Table 10 provides my summary calculations of each Proposed Plan’s performance on the majority-responsiveness metric.

	GMS	House Repubs	Gov’r	Carter	Sen. Dem. 1	Sen. Dem. 2	House Dem.	Repub. Congr. 1	Repub. Congr. 2	2018
Democrat-Favoring Outcome	1	0	2	1	0	2	1	0	0	0
Republican-Favoring Outcome	2	5	2	2	3	1	2	6	6	1
Total	3	5	4	3	3	3	3	6	6	1

Table 10: Number of elections, by political party, where the redistricting plan did not convert a majority of votes into a majority of seats (districts)

“Safe” Districts

¶ 33 I also report the number of districts that preferred at least one candidate from each party over the full set of 18 general elections, compared to the number of districts that voted for candidates from only one party. As described more fully in my opening report, the former could be considered “responsive” districts, while the latter could be considered “safe,” or unresponsive, districts. The results of my assessment are summarized in Table 11.

	GMS	House Repubs.	Gov’r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Congress 1	Repub. Congress 2	2018
Safe R	5	4	4	4	4	4	4	3	3	5
Safe D	5	5	6	5	6	5	6	5	5	5
At least one each	7	8	7	8	7	8	7	9	9	8

Table 11: Potentially Responsive Districts

Partisan Symmetry: Mean-Median and Efficiency-Gap Measures

¶ 34 I also calculated the mean-median and efficiency-gap scores for each Proposed Plan. As described in my opening report, both are metrics related to partisan symmetry. In simple terms, a plan that exhibits partisan symmetry is one that is

likely to treat the parties similarly in terms of seat outcomes given equal votes received by each party's candidates statewide.

¶ 35 Figures 1 and 2 below show the values for the mean-median score and efficiency-gap measure for each election on each Proposed Plan. The points are colored red for values that favor Republican voters and blue for values that favor Democratic voters and the vertical purple line marks the “ideal” zero value. As discussed in my opening report, plans that perform well on these metrics will have values closer to zero and will have some elections that favor each party (so, some red dots and some blue dots, with few, if any, located far from the purple line).

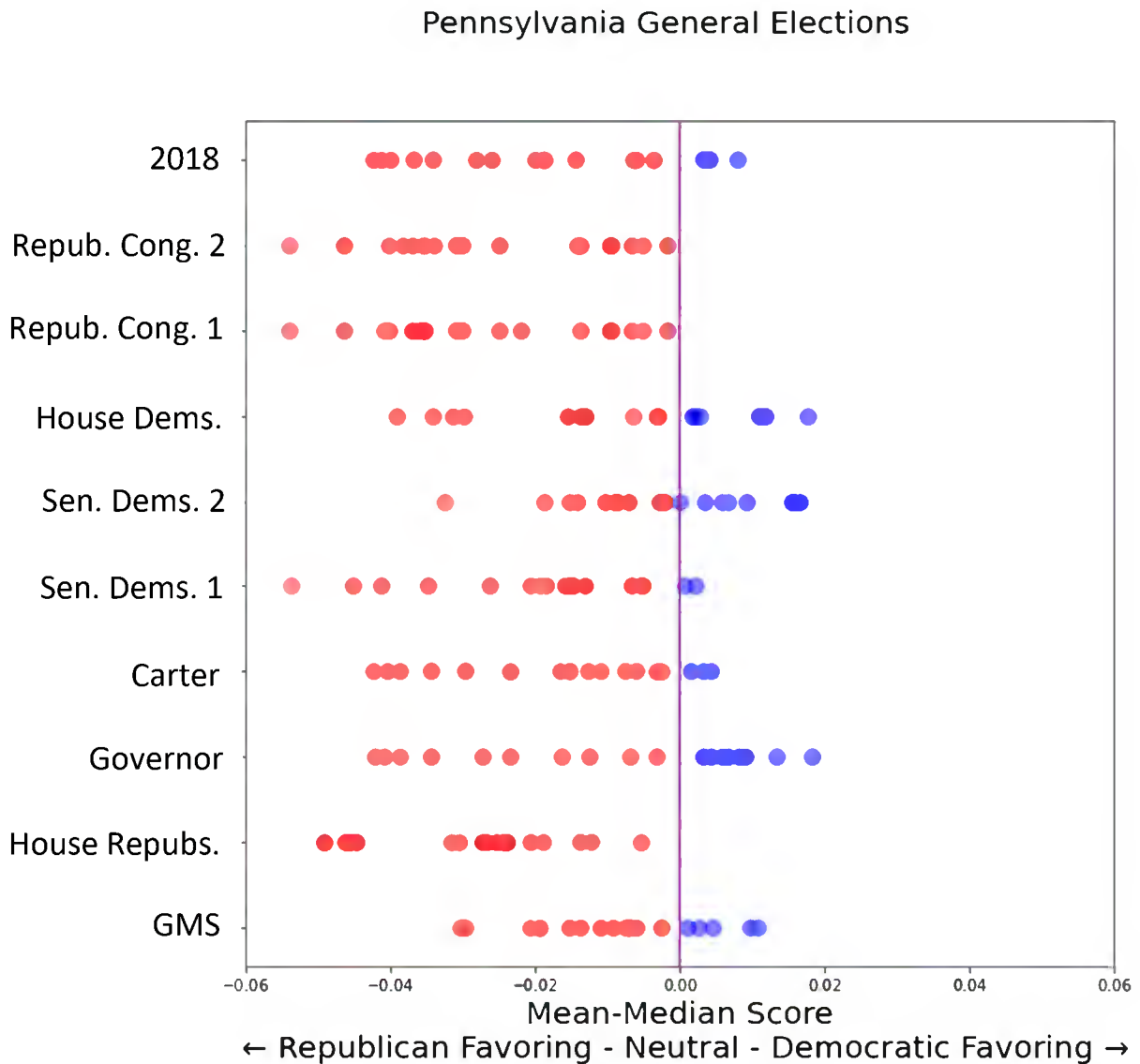


Figure 1: Mean-Median Score in the Proposed Plans and in the 2018 Plan

Pennsylvania General Elections

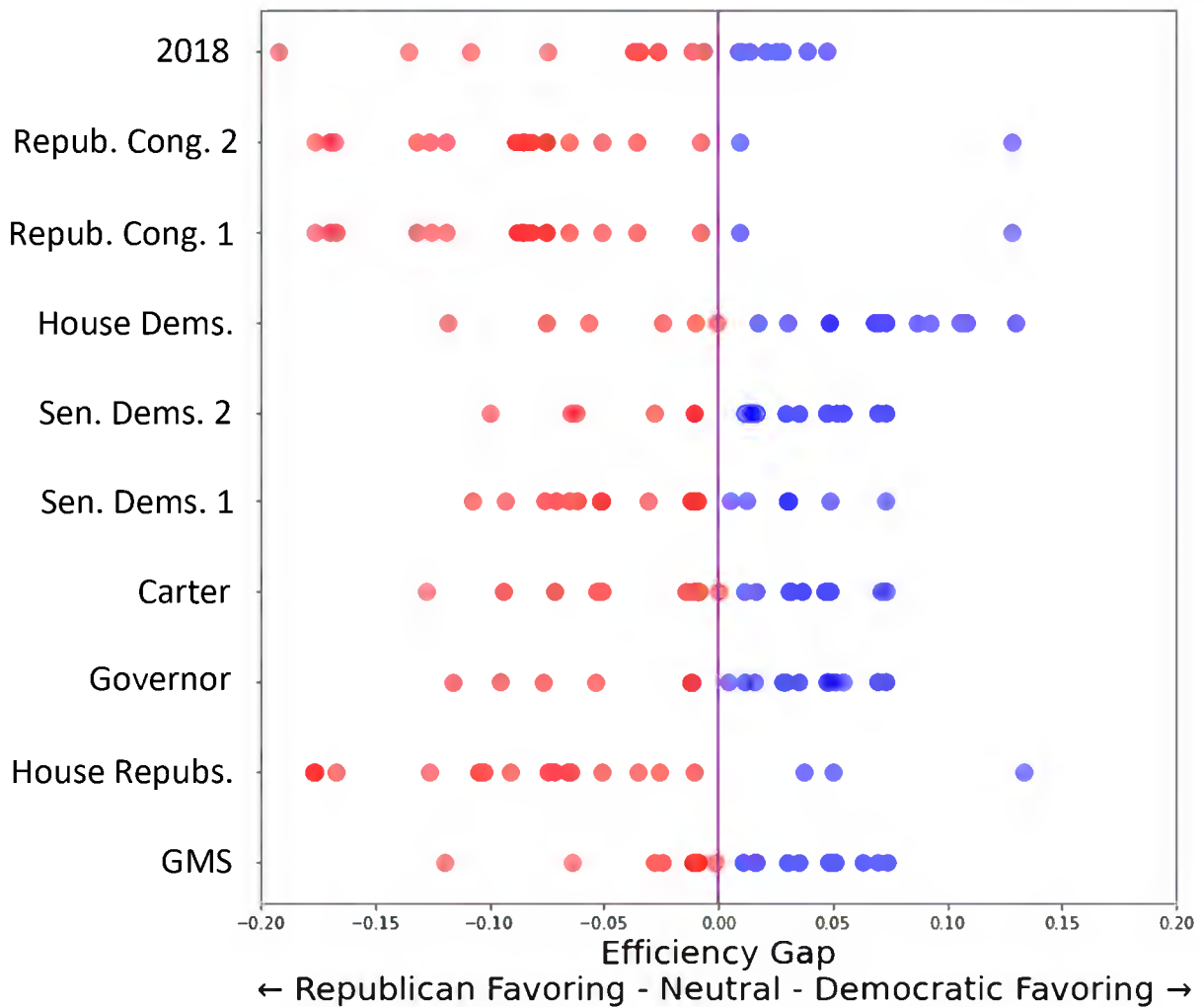


Figure 2: Efficiency Gap Score in the Proposed Plans and in the 2018 Plan

- ¶ 36 These figures show that the GMS Plan performs very well compared to all comparator plans on the mean-median measure, and the GMS Plan, Governor’s Plan, and Senate Dems. 2 Plan perform well on the efficiency gap measure. Both Republican Congressmen Plans tilt heavily in favor of Republicans under these metrics.
- ¶ 37 My specific conclusions on the mean-median and efficiency-gap scores are summarized in Tables 12 and 13. In these tables, I report the number of elections for each plan that return values favoring each party, as well as the range, or the gap from the most Republican-favoring value to the most Democratic-favoring

value. As discussed in my opening report, I expect plans that treat voters from each party equally to have values closer to zero and also to have similar numbers of elections favoring each party.

¶ 38 Analyzing the Proposed Plans on the mean-median metric, the GMS Plan has an average mean-median score that is very close to zero *and* the tightest range between the most Republican-favoring value to the most Democratic-favoring value. This is an indication that the GMS Plan treats voters of both political parties fairly—and to a greater degree than any of the other Proposed Plans. The GMS Plan also performs very well on the efficiency-gap metric compared to the other Proposed Plans.

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Congress 1	Repub. Congress 2	2018
Number of Elections Favoring Republicans	13	18	10	15	16	10	11	18	18	15
Number of Elections Favoring Democrats	5	0	8	3	2	8	7	0	0	3
Min. Score	-0.030	-0.049	-0.042	-0.042	-0.054	-0.033	-0.039	-0.054	-0.054	-0.042
Max. Score	0.011	-0.005	0.018	0.004	0.002	0.017	0.018	-0.002	-0.002	0.008
Mean Score	-0.008	-0.029	-0.010	-0.016	-0.019	-0.003	-0.009	-0.027	-0.026	-0.019
Range	0.041	0.044	0.061	0.047	0.056	0.049	0.057	0.052	0.052	0.050

Table 12: Mean-Median Scores in the Proposed Plans and in the 2018 Plan

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Congress 1	Repub. Congress 2	2018
Number of Elections Favoring Republicans	8	15	6	9	12	6	6	16	16	10
Number of Elections Favoring Democrats	10	3	12	9	6	12	12	2	2	8
Min. Score	-0.120	-0.177	-0.116	-0.128	-0.108	-0.100	-0.118	-0.176	-0.177	-0.192
Max. Score	0.074	0.133	0.073	0.073	0.073	0.073	0.130	0.128	0.128	0.047
Mean Score	0.008	-0.063	0.006	-0.004	-0.025	0.010	0.033	-0.078	-0.078	-0.026
Range	0.194	0.310	0.189	0.201	0.181	0.173	0.248	0.304	0.305	0.239

Table 13: Efficiency-Gap Scores in the Proposed Plans and in the 2018 Plan

¶ 39 The GMS Plan also performs well when I focus on the most recent statewide elections. Figures 3 and 4 show the mean-median and efficiency-gap scores, averaged across three sets of six elections (2012-2014, 2016-2017, and 2018-2020), with the bars colored according to the corresponding plan. In the mean-median scores in particular, we can see that as the elections become more recent, the values for the GMS Plan get closer to zero—reflecting a higher degree of partisan fairness. As these more recent elections are more likely to be reflective of the current political geography, this is another piece of good evidence for the strong performance of the GMS Plan under these metrics. Comparatively, the Senate Democrats 2 Plan, which scores slightly better than the GMS Plan on average mean-median, scores further away from zero for the more recent elections.

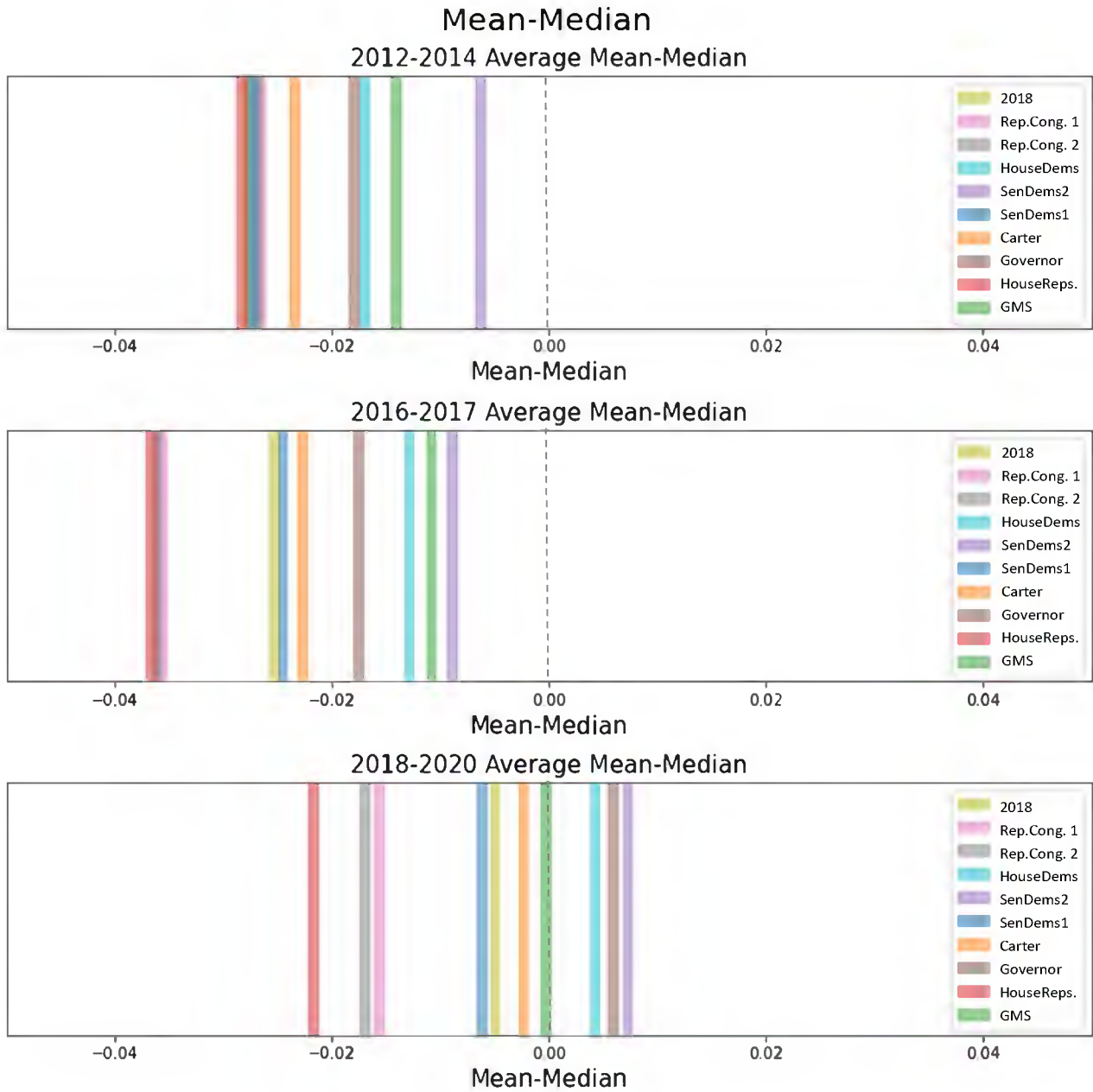


Figure 3: Mean-Median Scores for the Proposed Plans and the 2018 Plan, averaged for each two-year period between 2012 and 2020

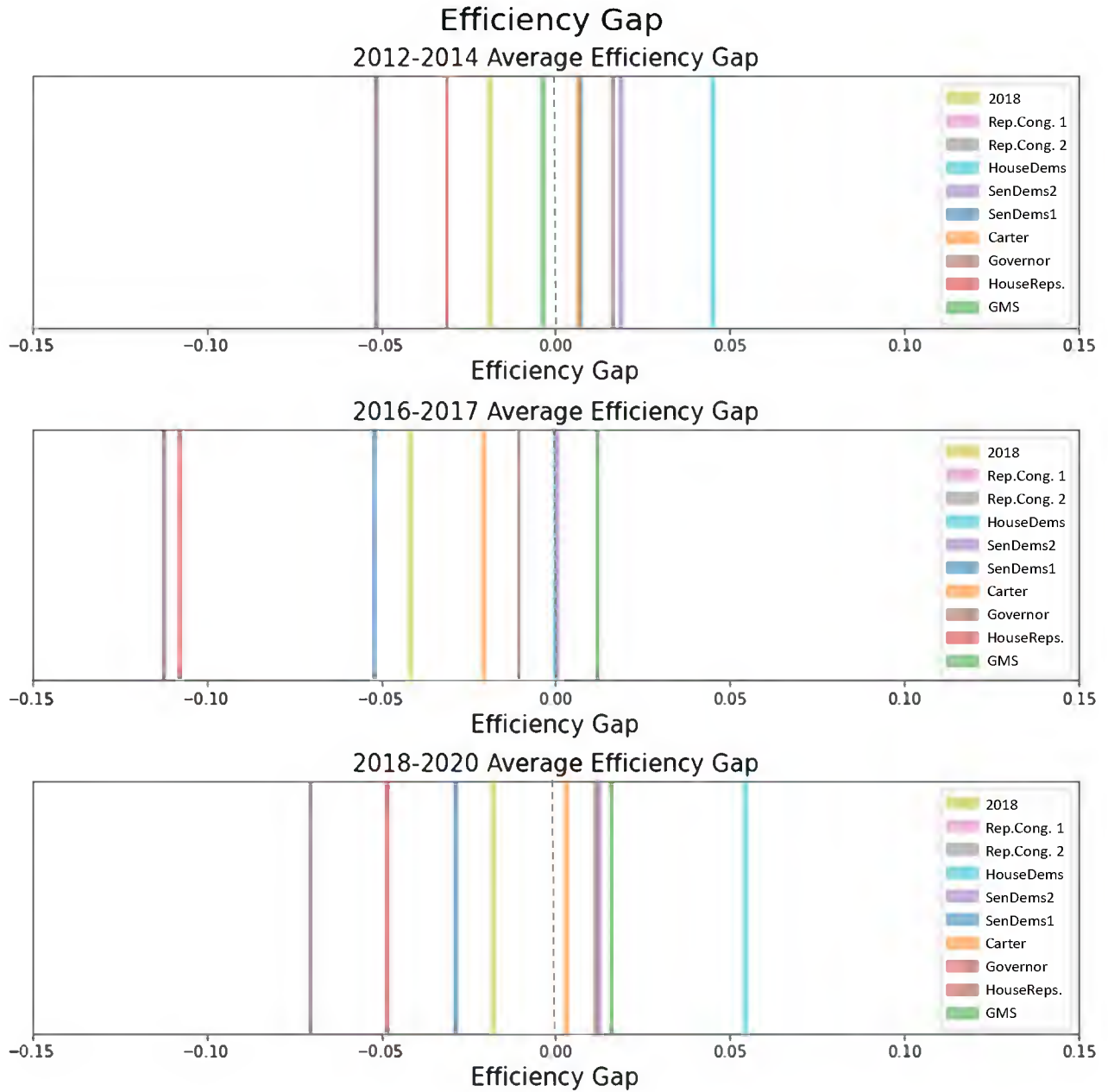


Figure 4: Efficiency-Gap Scores for the Proposed Plans and the 2018 Plan, averaged for each two-year period between 2012 and 2020

¶ 40 Finally, in Figures 5 and 6, I report on the Proposed Plans' (and the 2018 Plan's) mean-median and efficiency-gap scores, averaged across all 18 elections.

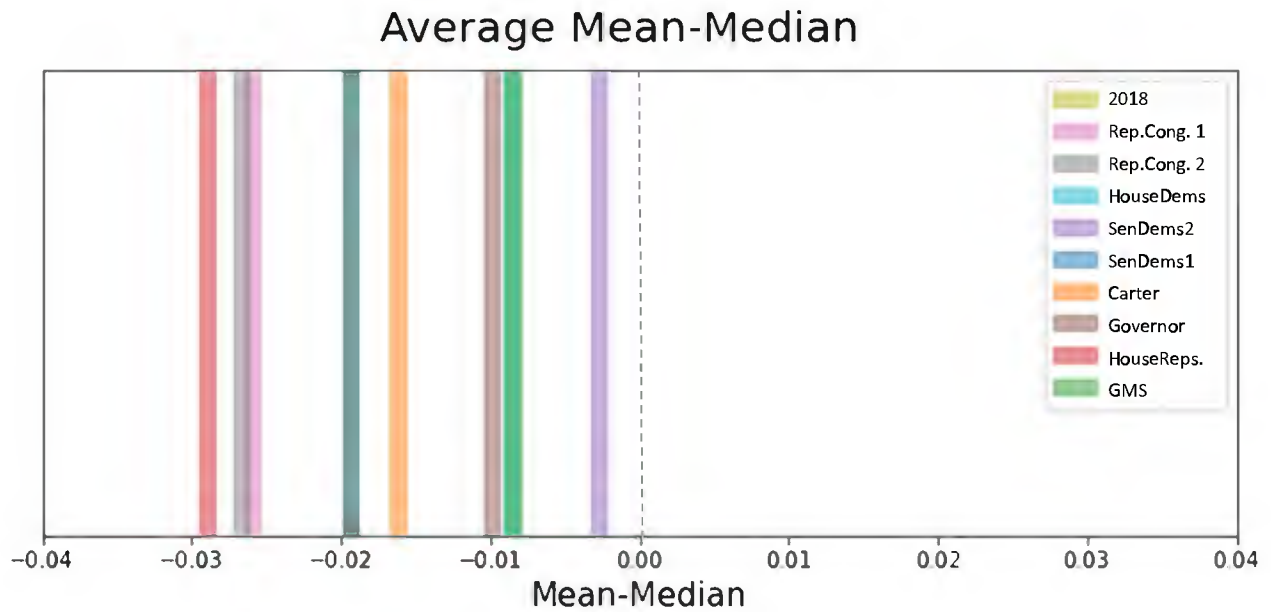


Figure 5: Average Mean-Median Score for the Proposed Plans and the 2018 Plan

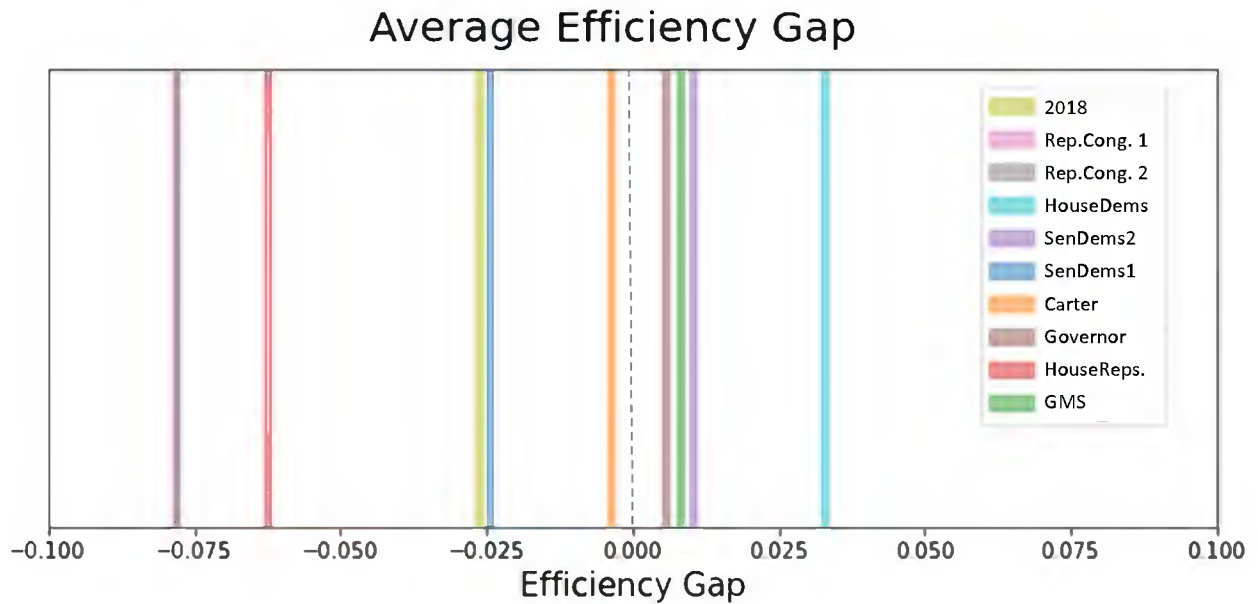


Figure 6: Average Efficiency-Gap Score for the Proposed Plans and the 2018 Plan

III.F Compliance with the Voting Rights Act

- ¶ 41 I analyzed the number of districts in each plan in which most of the voting-age population that identifies with one or more racial or language groups. These are “majority-minority” districts. The GMS Plan is the only Proposed Plan that has three majority-minority districts.
- ¶ 42 I also evaluated the number of majority-minority districts where the largest citizen voting-age minority group was Latino adult citizens. The GMS Plan is the only Proposed Plan with such a district.
- ¶ 43 The results of my analysis are set forth in Table 14.

	GMS	House Repubs.	Gov'r	Carter	Sen. Dems. 1	Sen. Dems. 2	House Dems.	Repub. Cong. 1	Repub. Cong. 2	2018
Majority-Minority Districts	3	2	2	2	2	2	2	2	2	2
Majority-Minority Districts with Latino Citizens as the Largest Minority	1	0	0	0	0	0	0	0	0	0

Table 14: Majority-Minority Districts in the Proposed Plans and the 2018 Plan

- ¶ 44 At my direction, reconstituted election results were generated for each contest in each district for each of the Proposed Plans. These reconstituted election results are attached in Appendix C.

III.G Incumbent Pairings

- ¶ 45 I analyzed the extent to which the Proposed Plans paired incumbent Congressional Representatives. The GMS Plan is the only plan that does not contain any pairings of incumbents who are seeking re-election. The results of my analysis are listed in Table 15.

Plan	Number of Districts with Paired Incumbents	Names of Paired Incumbents
GMS	1	District 14: Reschenthaler (R) and Lamb* (D)
House Repubs.	2	District 8: Meuser (R) and Cartwright (D) District 15: Lamb* (D) and Doyle* (D)
Governor	2	District 5: Dean (D) and Scanlon (D) District 12: Keller (R) and Joyce (R)
Carter	2	District 17: Lamb* (D) and Doyle* (D) District 15: Keller (R) and Thompson (R)
Sen. Dems. 1	1	District 9: Meuser (R) and Keller (R)
Sen. Dems. 2	2	District 1: Fitzpatrick (R) and Boyle (D) District 9: Meuser (R) and Keller (R)
House Dems.	3	District 8: Meuser (R) and Cartwright (D) District 11: Perry (R) and Smucker (R) District 17: Lamb (D)* and Doyle (D)*
Repub. Congress 1	2	District 7: Keller (R) and Cartwright (D) District 13: Scanlon (D) and Houlahan (D)
Repub. Congress 2	1	District 7: Keller (R) and Cartwright (D)

Table 15: Paired Incumbents in the Proposed Plans
(* denotes those *not* seeking re-election)

IV Overview of Responses to Parties' Experts

¶ 46 It is not possible, within the time provided between the parties' submission of their opening reports and this rebuttal report, to draft a written response to each party's expert that details, in full, all of my responses and reactions to the experts' analyses. In this section, however, I attempt to summarize some of those reactions and responses. I reserve the right to expand upon these comments, or any other aspect of my opening or rebuttal reports, at the evidentiary hearing in this matter.

¶ 47 Jonathan Rodden, for the Carter Petitioners:

- Dr. Rodden's report focuses primarily on similarities between the 2018 Plan and the Carter Plan. In general, measuring a plan's compliance with "least-change" metrics is of less utility where, as here, the number of districts in a plan must change as a result of apportionment. However, as Dr. Rodden notes, the 2018 Plan demonstrates several desirable features that should be implemented in any

congressional remedial plan, including minimizing the splitting of political subdivisions; compactness; contiguity; and electoral outcomes that are “roughly in line with overall partisan preferences of Pennsylvania’s voters.” Rodden Report at 6.

- Dr. Rodden notes, correctly, that the Carter Plan includes a maximum population deviation of two persons.
- Dr. Rodden did not consider any racial data, and thus his report does not provide any information on the number of districts in the Carter Plan that he concludes would provide minority voters with the opportunity to nominate and elect their candidates of choice under Section 2 of the VRA.
- In evaluating partisan performance, Dr. Rodden compares general election returns to Congressional election data and evaluates the Carter Plan with respect to 2016-2020 and 2018-2020 vote averages. As described above, on this recent election data, the GMS Plan performs very well on measures of partisan fairness.

¶ 48 Moon Duchin, for Governor Wolf:

- Dr. Duchin’s report focuses primarily on the Governor’s Plan, the House Republican Plan, and what appears to be an earlier version of one of the *amicus* plans, as they relate to population balance, minority electoral opportunity, contiguity, compactness, respect for political-subdivision boundaries, and partisan fairness.
- Dr. Duchin relies heavily on what she terms the “overlay method,” which is also known as the “reconstituted elections” method, where plans are superimposed on recent voting patterns from recent, usually statewide elections, to assess the plans’ performance under varying electoral conditions. Her Figures 5, 7, and 8 seem to suggest that she used 12 statewide general elections, and her Figure 6 seems to suggest that she used 11 of these elections, although its caption states that it overlays plans “on the same elections.”
- Dr. Duchin’s compactness scores seem to be consistently different from, and higher than, the scores that I report for the metrics with the same names. As Dr. Duchin correctly notes, these contour-based compactness measures “have been criticized as being too dependent on map projections or cartographic resolution” (p. 6). Without knowing the source of the systematic variation here, it is hard to know whether the rank-ordering of her scores would differ from mine or any other expert’s.

- Dr. Duchin reports that the Governor’s Plan has better population equality than the other two plans she analyzed if one uses “the prisoner-adjusted allocations found in LRC2.” The relevance of that measure is debatable. But in any event, I have determined that the maximum population deviation in the GMS Plan, as applied to LRC dataset #2, is 7,906 persons, which is lower than the figures Dr. Duchin reports for the Governor’s Plan or either of the other plans she analyzes.
- Dr. Duchin notes that all three plans she analyzed paired in two districts the residences of four incumbents—all of whom, in two of the three plans, are seeking reelection. This contrasts with the GMS Plan, which pairs no incumbents seeking reelection.
- Dr. Duchin’s partisan-fairness analysis rests on four metrics: a version of the efficiency gap, Eguia’s county-based metric of artificial partisan advantage, a version of the mean-median score, and a version of the partisan-bias score.
- Dr. Duchin’s partisan-fairness analysis rests on four metrics: a version of the efficiency gap, Eguia’s county-based metric of artificial partisan advantage, a version of the mean-median score, and the partisan-bias score. Dr. Duchin presents the results of an ensemble analysis demonstrating generally Republican favoring political geography in the state under these measures. The details of the ensemble are not presented but the conclusions appear reasonable.

¶ 49 Michael Barber, for the House Republicans:

- Dr. Barber’s report focuses on the House Republican Plan and partisan fairness.
- Dr. Barber’s report relies mostly on an “ensemble” of 50,000 “simulated” maps that do not appear to be representative of the kinds of maps that the parties have submitted to the Court.
- Dr. Barber does not fully describe the “index of statewide elections” that much of his report relies on.
- Dr. Barber’s conclusion that the House Republican Plan is “unbiased” seems mistaken, as it ignores standard, methodologically accepted measures of partisan bias and partisan fairness.

¶ 50 Devin Coughy, for the Senate Democrats:

- PlanScore is not a fully reliable or appropriate way to measure partisan fairness in a proposed redistricting plan. Among other things, PlanScore does not estimate majoritarian outcomes, and my set of elections used for evaluations is more fulsome and complete than the set of elections PlanScore uses.

¶ 51 In any case, the GMS Plan outperforms the Senate Democrats' plans on PlanScore. In any case, the GMS Plan outperforms the Senate Democrats' Plans on PlanScore. I have attached to this report as Appendix D printouts of the results from the PlanScore website for the GMS Plan as well as all other Proposed Plans and all *amici* plans. The GMS Plan scores the best of all these plans under the PlanScore methodology, with one exception – the House Democrats' Plan's efficiency-gap score, which has a smaller absolute value of 1.2, compared to -1.4 for the GMS Plan. This is an excellent example of the potential tradeoffs and impacts of competing criteria, as the GMS Plan significantly outperforms the House Democrats' Plan on compactness and preservation of political boundaries. Additionally, the House Democrats' Plan has a maximum population deviation of 2 persons, which is worse than the zero-balancing the standard attained by the GMS Plan. The House Democrats' Plan also pairs three sets of incumbents, including 3 Republicans and 1 Democrat in pairings where both candidates intend to seek re-election in 2022. This analysis demonstrates why simply appealing to PlanScore as a measurement of fairness is insufficient.

¶ 52 Thomas Brunell, for the Republican Congressmen:

- I have been informed by counsel that Dr. Brunell will not be testifying and thus his report will not become part of the evidentiary record in this case.
- In any event, I disagree with Dr. Brunell's views on partisan fairness. Among other things, he uses a much smaller set of elections—just the 2016 and 2020 presidential elections—than I believe is appropriate to reliably test district performance. Even so, Dr. Brunell all but acknowledges that the two plans submitted by the Republican Congressmen score worse on partisan fairness metrics than the 2018 plan.

V Other Matters

¶ 53 Counsel asked me to verify that each of the Gressman Math/Science Petitioners is a registered Pennsylvania voter who resides in a congressional district that is currently malapportioned. I did so, using a voter registration file provided by counsel.

Appendix A: Tables and Charts Addressing GMS Plan and *Amici* Submissions

These tables and figures analyze the proposed Congressional redistricting plans submitted by the following *amici*:

- Concerned Citizens for Democracy (“**Concerned Citizens**”).
- Draw the Lines PA (“**Draw the Lines**”).
- Leslie Oshe et al. (“**Citizen Voters**”).
- Khalif Ali et al, Public Interest Law Center, and Common Cause (“**Ali et al.**”).
- Haroon Bashir, Valeric Biancaniello, Tegwyn Hughes, and Jeffrey Wenk (“**Voters of PA**”).

**Table 1a: Population Deviation in the GMS Plan and the *Amici* Plans
(calculated using LRC Dataset #1)**

Population Deviation	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA
Largest District Size	764,865	764,865	764,865	764,865	769,852	764,865
Smallest District Size	764,864	764,864	764,864	764,864	761,176	764,864
Deviation	1	1	1	1	8,676	1

Table 2a: Summary of County Splits in the GMS Plan, the *Amici* Plans, and the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Number of counties split	15	16	14	14*	16*	15	14*
Number of non-“intact” counties	12	14	13	12	14	12	11
Number of county pieces beyond those required by population	13	14	13	13	15	12	14

*Includes a split of the discontinuous portion of Chester County

Table 3a: Summary of Splits of Municipalities in the GMS Plan, *Amici* Plans, and the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Split Cities	1	3	2	2	2	2	1
Split Boroughs	3	2	8	4	6	6	6
Split Townships	15	10	12	13	16	15	22
Total Split Municipalities	19	15	22	19	24	23	29
Population-required splits	1	1	1	1	1	1	1
Number of municipalities split along county lines	3	1	6	3	6	5	6
Number of non-“intact” municipalities	15	13	15	15	17	17	22

Table 4a: Cities Split in the GMS Plan, *Amici* Plans, and the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Split Cities	Philadelphia	Philadelphia Monongahela Pittsburgh	Philadelphia Pittsburgh	Philadelphia Hermitage	Philadelphia Pittsburgh	Philadelphia Carbondale	Philadelphia
# Philadelphia Pieces	3	4	3	3	3	3	3
# Pittsburgh Pieces	1	2	2	1	2	1	1

Table 5a: Wards Split in the GMS Plan, *Amici* Plans, and the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Split Wards	15	11	16	21	33	41	29***

Table 6a: Summary of Political Subdivision Splits in the GMS Plan, *Amici* Plans, and the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Split Counties	15	16	14	14*	16*	15	14*
Split Municipalities	19	15	22	19	24	23	29
Split Wards	15	11	16	21	33	41	29**
Total	49	42	52	54	73	79	72

* Includes a split of the discontinuous portion of Chester County.

** As reported in *League of Women Voters* materials, based on ward boundaries in existence at the time.

Table 7a: Summary of Political Subdivision Pieces in the GMS Plan, Amici Plans, and the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
County Pieces	17	18	16	17	19	16	20
Municipality Pieces	17	16	17	17	19	19	24
Ward Pieces	15	11	16	21	33	41	29
Total	49	45	49	55	71	76	73

Table 8a: Compactness Scores in the GMS Plan, Amici Plans, and the 2018 Plan

Compactness Measure	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Mean Polsby-Popper <i>(higher is more compact)</i>	.33	.35	.37	.34	.34	.38	.32
Mean Reock <i>(higher is more compact)</i>	.40	.42	.44	.42	.41	.44	.43
Mean Convex Hull <i>(higher is more compact)</i>	.80	.79	.79	.79	.79	.79	.79
Cut Edges <i>(lower is more compact)</i>	5,546	5,039	5,202	5,144	5,233	5,120	5,789

Table 9a: Majority-Responsiveness Metric

[antimajoritarian outcomes are shaded in either red (denoting outcomes favoring Republicans) or blue (favoring Democrats)]

Election	Winner	Dem%	GMS (seats/ 17)	Concerned Citizens (seats/ 17)	Draw the Lines (seats/ 17)	Citizen Voters (seats/ 17)	Ali et al. (seats/ 17)	Voters of PA (seats/ 17)	2018 (seats/ 18)
Atty. Gen. '12	D	57.5%	70.6% (12)	64.7% (11)	70.6% (12)	70.6% (12)	70.6% (12)	70.6% (12)	66.7% 12
Auditor '12	D	51.7%	41.2% (7)	47.1% (8)	47.1% (8)	41.2% (7)	35.3% (6)	41.2% (7)	38.9% (7)
Pres. '12	D	52.7%	58.8% (10)	58.8% (10)	52.9% (9)	52.9% (9)	52.9% (9)	52.9% (9)	50% (9)
Senate '12	D	54.6%	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	52.9% (9)	55.6% (10)
Treas. '12	D	54.4%	58.8% (10)	64.7% (11)	58.8% (10)	58.8% (10)	52.9% (9)	52.9% (9)	55.6% (10)
Gov'r '12	D	54.9%	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	52.9% (9)	52.9% (9)	55.6% (10)
Atty. Gen. '16	D	51.4%	58.8% (10)	52.9% (9)	58.8% (10)	52.9% (9)	47.1% (8)	47.1% (8)	55.6% (10)
Auditor '16	D	52.6%	47.1% (8)	41.2% (7)	41.2% (7)	47.1% (8)	52.9% (9)	47.1% (8)	50% (9)
Pres. '16	R	49.6%	47.1% (8)	41.2% (7)	41.1% (8)	47.1% (8)	41.2% (7)	41.2% (7)	44.4% (8)
Senate '16	R	49.3%	52.9% (9)	41.2% (7)	35.3% (6)	29.4% (5)	41.2% (7)	29.4% (5)	27.8% (5)
Treas. '16	D	53.4%	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	55.6% (10)
Sup. Ct. '17	R	47.7%	41.2% (7)	35.3% (6)	29.4% (5)	35.3% (6)	41.2% (7)	35.3% (6)	33.3% (6)
Senate '18	D	56.7%	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	64.7% (11)	61.1% (11)
Gov. '18	D	58.7%	64.7% (11)	64.7% (11)	70.6% (12)	64.7% (11)	64.7% (11)	64.7% (11)	66.7% (12)
Atty. Gen. '20	D	52.3%	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	58.8% (10)	55.6% (10)
Auditor '20	R	48.4%	47.1% (8)	47.1% (8)	41.2% (7)	41.2% (7)	41.2% (7)	35.3% (6)	38.9% (7)
Pres. '20	D	50.6%	52.9% (9)	52.9% (9)	52.9% (9)	52.9% (9)	47.1% (8)	52.9% (9)	50% (9)
Treas. '20	R	49.6%	47.1% (8)	47.1% (8)	47.1% (8)	47.1% (8)	47.1% (8)	41.2% (7)	50% (9)

Table 10a: Number of elections, by political party, where the redistricting plan did not convert a majority of the votes into a majority of the seats (districts)

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Democrat-Favoring Outcome	1	0	0	0	1	0	0
Republican-Favoring Outcome	2	2	2	2	2	3	1
Total	3	2	2	2	2	3	1

Table 11a: Potentially Responsive Districts

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Safe R	5	5	4	4	4	4	5
Safe D	5	5	4	5	5	5	5
At least one each	7	7	9	8	8	8	8

Figure 1a: Mean-Median Score in the *GMS Plan*, *Amici Plans*, and the 2018 Plan

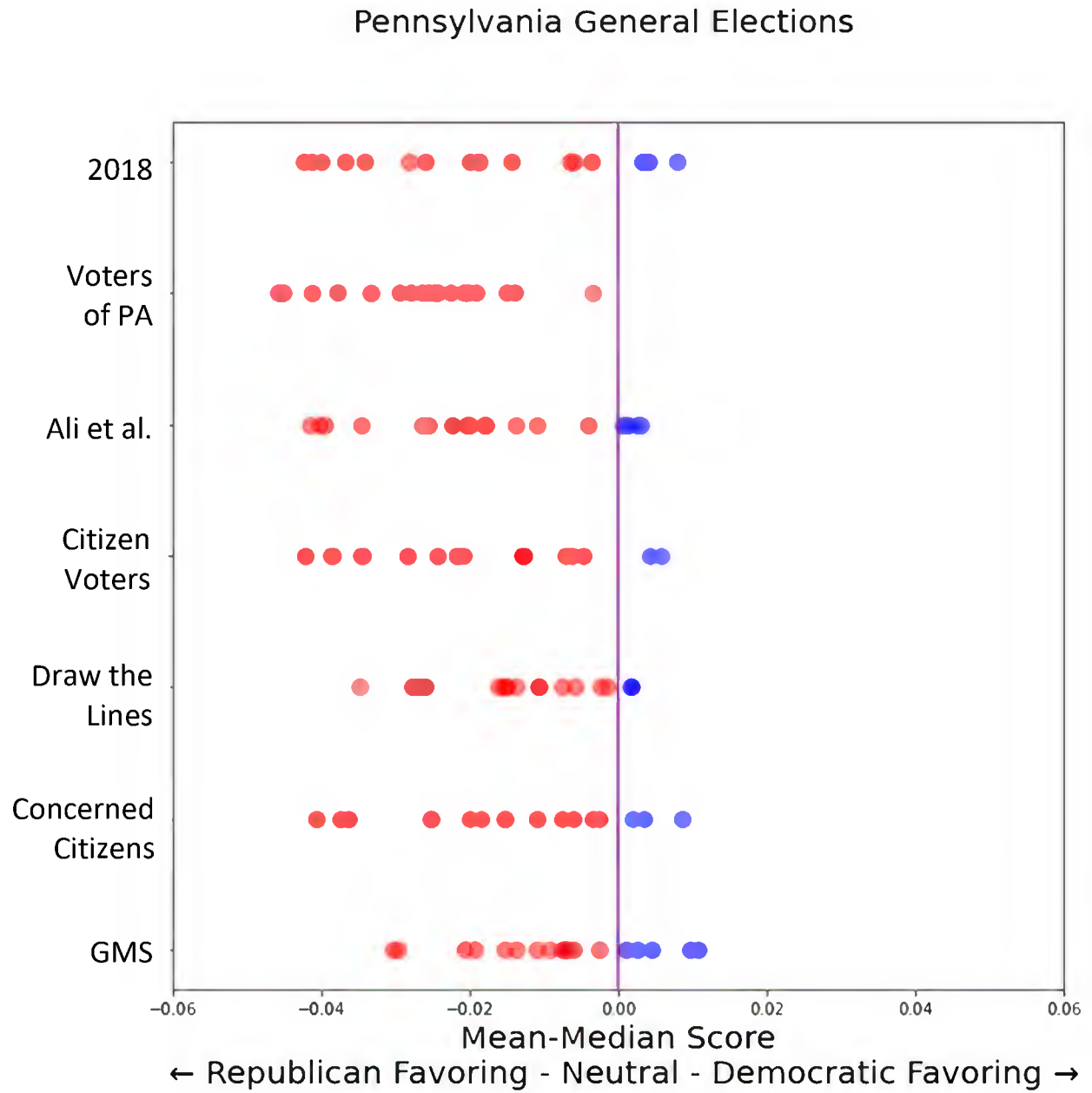


Figure 2a: Efficiency-Gap Score in the GMS Plan, *Amici* Plans, and the 2018 Plan

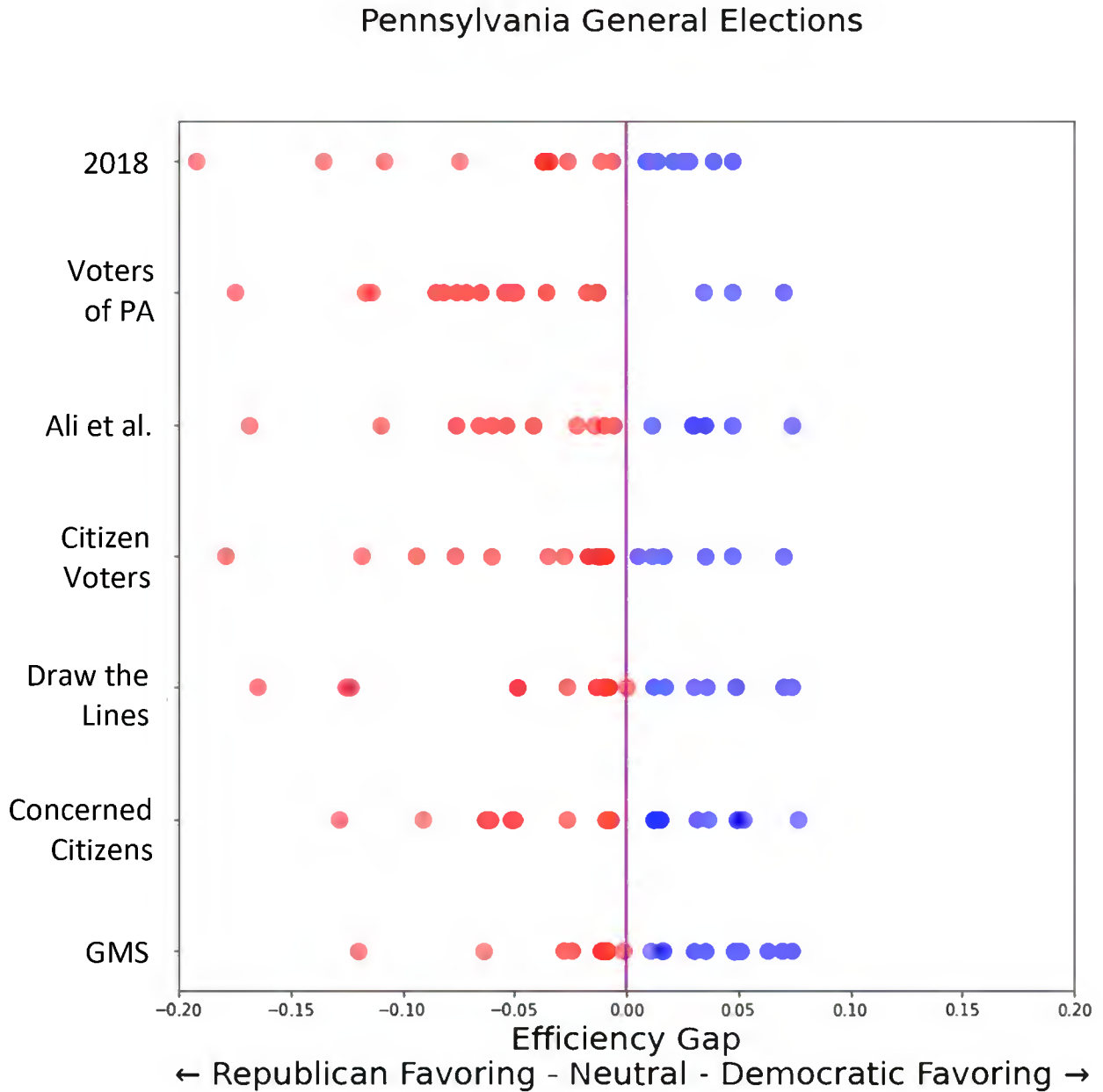


Table 12a: Mean-Median Scores in the GMS Plan, *Amici* Plans, and in the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Number of Elections Favoring Republicans	13	15	15	16	14	18	15
Number of Elections Favoring Democrats	5	3	3	2	4	0	3
Min. Score	-0.030	-0.041	-0.035	-0.042	-0.041	-0.046	-0.042
Max. Score	0.011	0.009	0.002	0.006	0.003	-0.003	0.008
Mean Score	-0.008	-0.016	-0.012	-0.02	-0.018	-0.027	-0.019
Range	0.041	0.049	0.037	0.048	0.044	0.042	0.050

Table 13a: Efficiency-Gap Scores in the GMS Plan, *Amici* Plans, and in the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Number of Elections Favoring Republicans	8	9	11	12	12	15	10
Number of Elections Favoring Democrats	10	9	7	6	6	3	8
Min. Score	-0.120	-0.128	-0.165	-0.180	-0.169	-0.175	-0.192
Max. Score	0.074	0.077	0.074	0.070	0.073	0.070	0.047
Mean Score	0.008	-0.009	-0.016	-0.026	-0.027	-0.048	-0.026
Range	0.194	0.205	0.239	0.250	0.242	0.245	0.239

Figure 3a: Mean-Median Scores for the GMS Plan, *Amici* Plans, and the 2018 Plan, averaged for each two-year period between 2012 and 2020

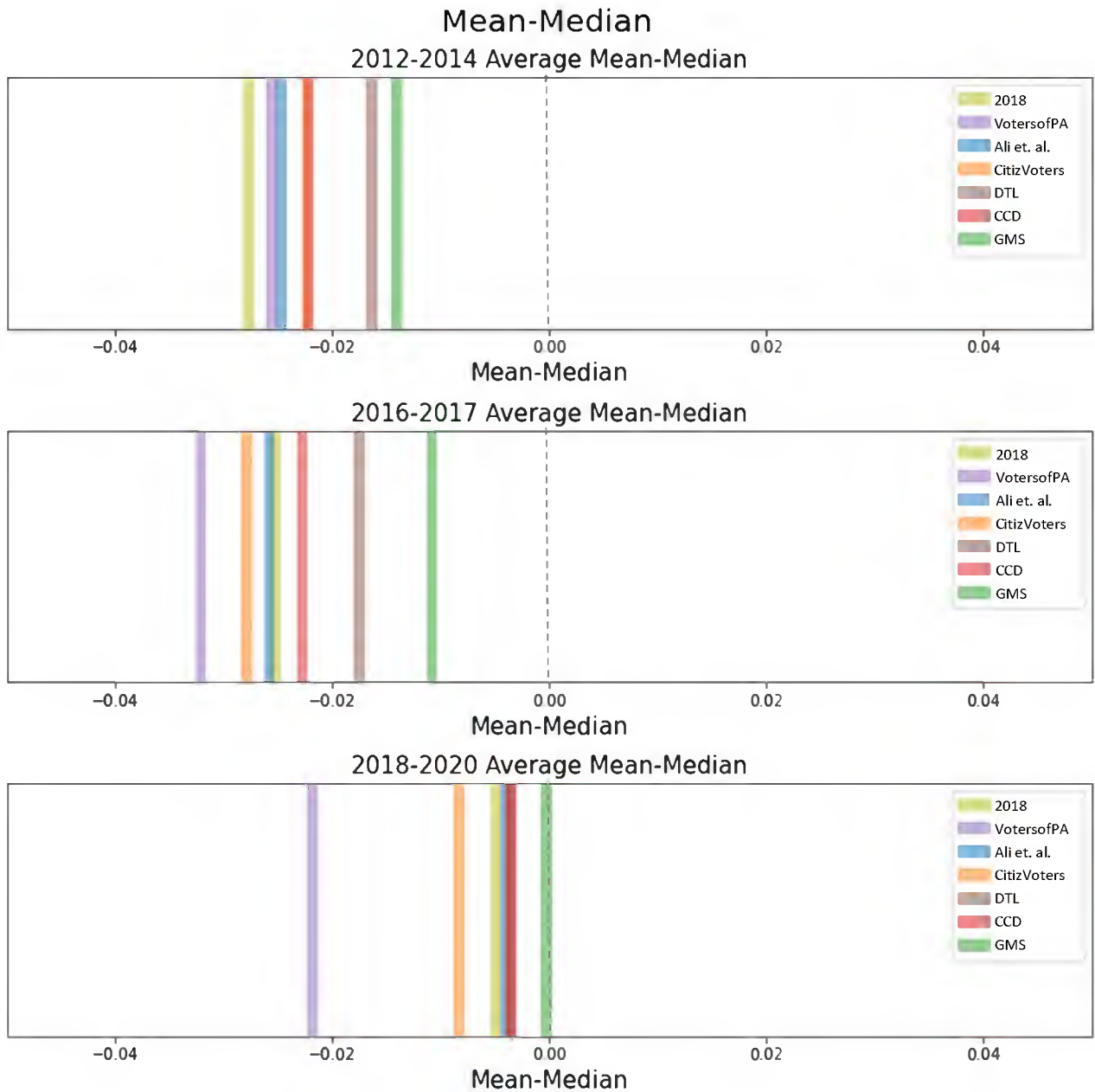


Figure 4a: Efficiency-Gap Scores for the GMS Plan, *Amici* Plans and the 2018 Plan, averaged for each two-year period between 2012 and 2020

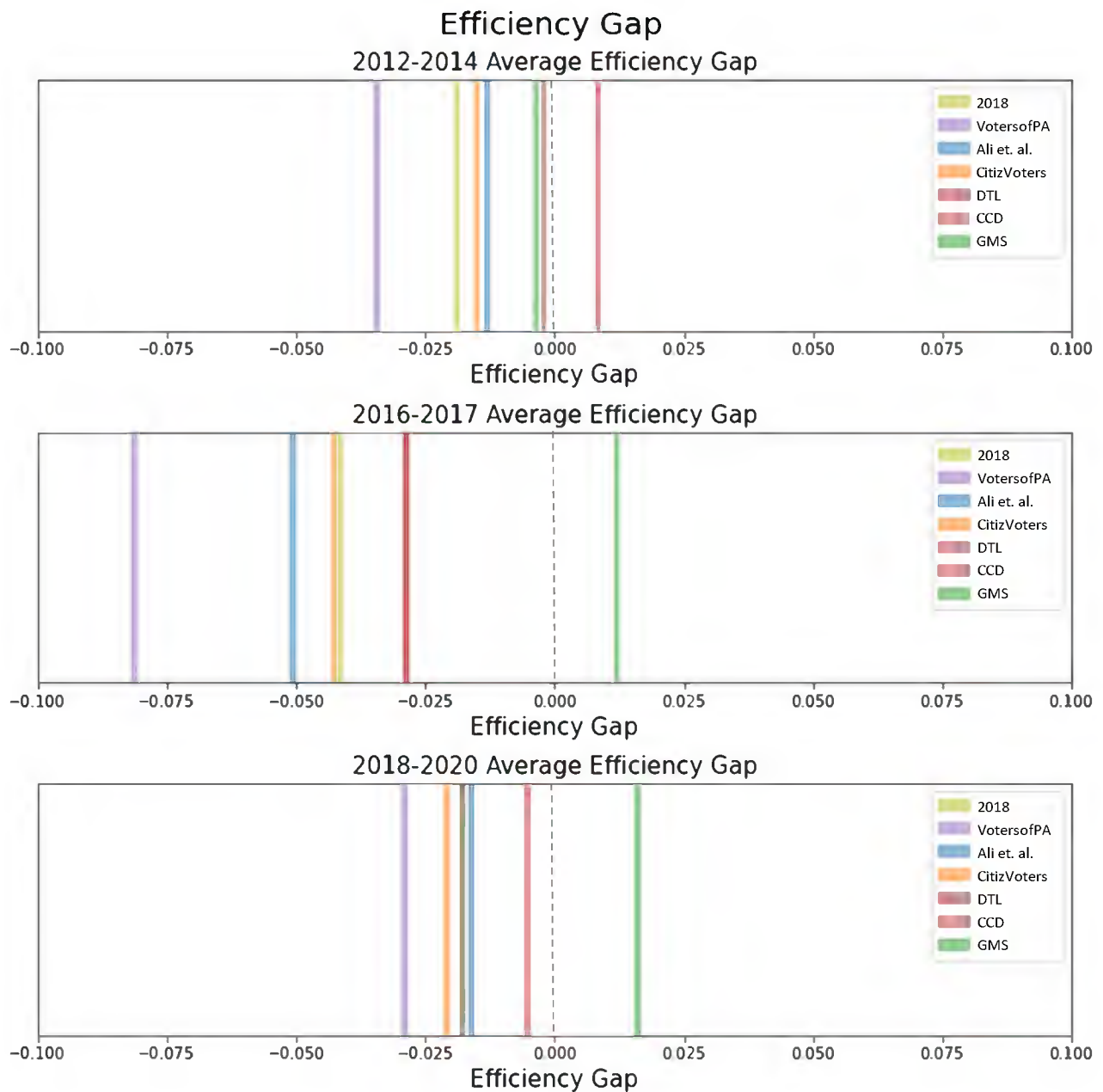


Figure 5a: Average Mean-Median Score for the GMS Plan, *Amici* Plans, and the 2018 Plan

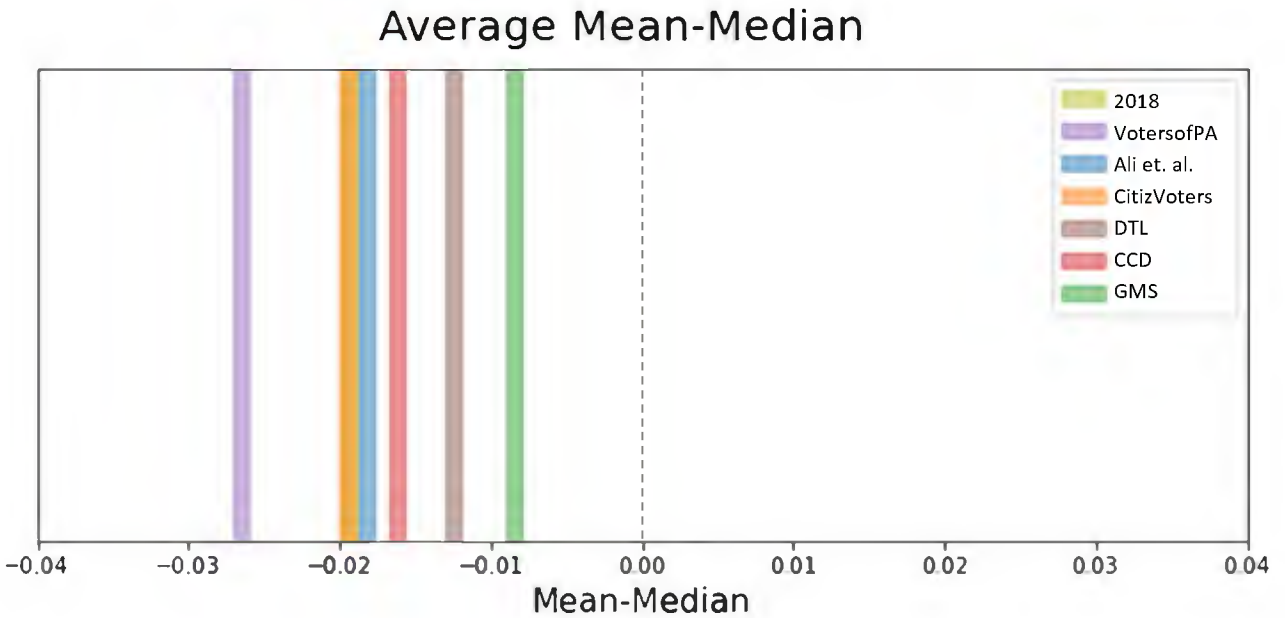


Figure 6a: Average Efficiency-Gap Score for the GMS Plan, *Amici* Plans, and the 2018 Plan

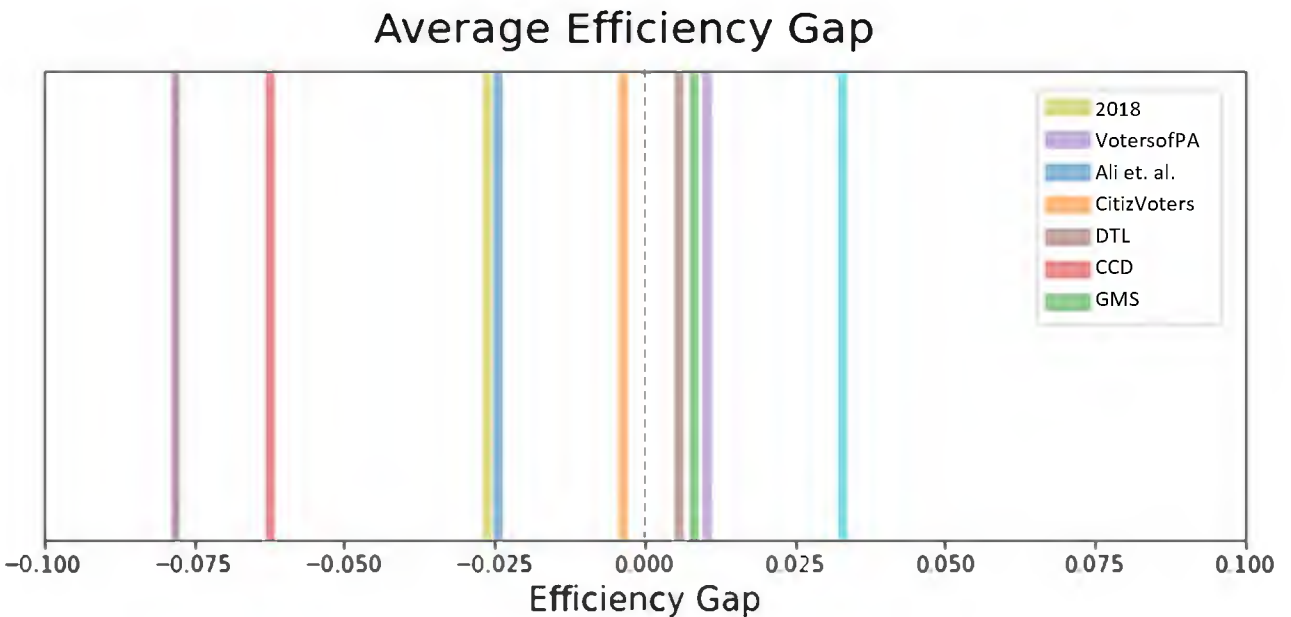


Table 14a: Majority-Minority Districts in the GMS Plan, *Amici* Plans and the 2018 Plan

	GMS	Concerned Citizens	Draw the Lines	Citizen Voters	Ali et al.	Voters of PA	2018
Majority-Minority Districts	3	2	2	2	2	2	2
Majority-Minority Districts with Latino Citizens as the Largest Minority	1	0	0	0	0	0	0

Table 15a: Paired Incumbents in the GMS Plan and in *Amici* Plans
 (* denotes those *not* seeking re-election)

Plan	Number of Districts with Paired Incumbents	Names of Paired Incumbents
GMS	1	District 14: Resenthaler (R) and Lamb* (D)
Concerned Citizens	1	District 14: Resenthaler (R) Lamb* (D)
Draw the Lines	2	District 1: Fitzpatrick (R) Boyle (D) District 9: Meuser (R) and Keller (R)
Citizen Voters	3	District 5: Scanlon (D) Dean (D) District 8: Meuser (R) and Cartwright (D) District 17: Lamb* (D) and Doyle* (D)
Ali et al.	2	District 5: Scanlon (D) Dean (D) District 9: Meuser (R) and Keller (R)
Voters of PA	2	District 1: Fitzpatrick (R) and Boyle (D) District 8: Meuser (R) and Cartwright (D)

Appendix B: Data and Materials

My opening report contained a list, in Appendix B, of the data and materials that I relied on while performing this analysis and crafting that report. For this report, I also used the following:

- Block assignment files and shape files provided by counsel for each of the Proposed Plans
- Expert reports associated with the Proposed Plans and the *amici* proposed plans
- Voter registration data for the Gressman Math/Science Petitioners
- Block assignment files for current ward boundaries

Appendix C: Reconstituted Election Results

Gressman Math/Science Petitioners

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.544784427
12G_AG	41.56%	Freed	R	0.455215573
12G_Auditor		Depasquale	D	0.497576982
12G_Auditor		Maher	R	0.502423048
12G_President		Obama	D	0.52528125
12G_President		Romney	R	0.47471875
12G_Treasurer		McCord	D	0.523537099
12G_Treasurer		Vaughan	R	0.476462901
12G_US_Senate	53.69%	Casey	D	0.543643057
12G_US_Senate	44.59%	Smith	R	0.456356913
12P_AG	52.82%	Kane	D	0.314766526
12P_AG	47.18%	Murphy	D	0.685233474
12P_US_Senate	80.88%	Casey	D	0.865288675
12P_US_Senate	19.12%	Vodvarka	D	0.13471134
14G_Governor	54.93%	Wolf	D	0.550605357
14G_Governor	45.07%	Corbett	R	0.449394643
14P_Governor	16.84%	McCord	D	0.149154216
14P_Governor	7.66%	McGinty	D	0.04786801
14P_Governor	17.64%	Schwartz	D	0.360080332
14P_Governor	57.86%	Wolf	D	0.442897469
14P_Lt_Governor	15.88%	Critz	D	0.030655505
14P_Lt_Governor	11.91%	Koplinski	D	0.117121428
14P_Lt_Governor	10.84%	Neuman	D	0.058245461
14P_Lt_Governor	14.57%	Smith	D	0.119273834
14P_Lt_Governor	46.79%	Stack	D	0.674703777
16G_AG	51.39%	Shapiro	D	0.548210859
16G_AG	48.61%	Rafferty	R	0.451789141
16G_Auditor		Depasquale	D	0.50782764
16G_Auditor		Brown	R	0.49217236
16G_President	47.85%	Clinton	D	0.547708213
16G_President	48.58%	Trump	R	0.452291787
16G_Treasurer		Torsella	D	0.534322202
16G_Treasurer		Voit	R	0.465677798
16G_US_Senate	47.34%	McGinty	D	0.505015969
16G_US_Senate	48.77%	Toomey	R	0.494984001
16P_AG	16.22%	Morganelli	D	0.113901563
16P_AG	47.03%	Shapiro	D	0.729872763
16P_AG	36.74%	Zappala	D	0.156225696
16P_President	55.61%	Clinton	D	0.570169747
16P_President	0.86%	DeLaFuente	D	0.00647748
16P_President	43.53%	Sanders	D	0.423352778
16P_US_Senate	19.49%	Fetterman	D	0.104510188
16P_US_Senate	42.50%	McGinty	D	0.440953881
16P_US_Senate	32.57%	Sestak	D	0.433147788
16P_US_Senate	5.45%	Vodvarka	D	0.021388132

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.53091681
17G_Supreme_Court		Mundy	R	0.46908319
18G_Governor	57.77%	Wolf	D	0.62986362
18G_Governor	40.70%	Wagner	R	0.37013638
18G_US_Senator		Casey	D	0.608494222
18G_US_Senator		Barletta	R	0.391505748
18P_Lt_Governor	23.78%	Ahmad	D	0.308028936
18P_Lt_Governor	18.55%	Cozzone	D	0.179699868
18P_Lt_Governor	37.48%	Fetterman	D	0.211557612
18P_Lt_Governor	3.58%	Sosa	D	0.109893702
18P_Lt_Governor	16.62%	Stack	D	0.190819874
20G_AG		Shapiro	D	0.57422936
20G_AG		Heidelbaugh	R	0.42577067
20G_Auditor	46.35%	Ahmad	D	0.528657913
20G_Auditor	49.44%	Defoor	R	0.471342117
20G_President	50.01%	Biden	D	0.569772005
20G_President	48.84%	Trump	R	0.430227995
20G_Treasurer		Torsella	D	0.549138844
20G_Treasurer		Garrity	R	0.450861156
20P_Auditor	36.44%	Ahmad	D	0.607698977
20P_Auditor	7.47%	Conklin	D	0.044910587
20P_Auditor	5.99%	Davis	D	0.04130682
20P_Auditor	9.00%	Fountain	D	0.085489377
20P_Auditor	13.97%	Hartman	D	0.147854581
20P_Auditor	27.14%	Lamb	D	0.072739683
20P_President	79.26%	Biden	D	0.822139978
20P_President	2.70%	Gabbard	D	0.016814953
20P_President	18.04%	Sanders	D	0.161045089

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.737031281
12G_AG	41.56%	Freed	R	0.262968719
12G_Auditor		Depasquale	D	0.699595153
12G_Auditor		Maher	R	0.300404847
12G_President		Obama	D	0.71501708
12G_President		Romney	R	0.28498292
12G_Treasurer		McCord	D	0.727992058
12G_Treasurer		Vaughan	R	0.272007912
12G_US_Senate	53.69%	Casey	D	0.734538615
12G_US_Senate	44.59%	Smith	R	0.265461385
12P_AG	52.82%	Kane	D	0.344107538
12P_AG	47.18%	Murphy	D	0.655892432
12P_US_Senate	80.88%	Casey	D	0.786140442
12P_US_Senate	19.12%	Vodvarka	D	0.213859528
14G_Governor	54.93%	Wolf	D	0.725320756
14G_Governor	45.07%	Corbett	R	0.274679273
14P_Governor	16.84%	McCord	D	0.129571572
14P_Governor	7.66%	McGinty	D	0.055245947
14P_Governor	17.64%	Schwartz	D	0.309841722
14P_Governor	57.86%	Wolf	D	0.505340755
14P_Lt_Governor	15.88%	Critz	D	0.039259419
14P_Lt_Governor	11.91%	Koplinski	D	0.035188392
14P_Lt_Governor	10.84%	Neuman	D	0.037332177
14P_Lt_Governor	14.57%	Smith	D	0.063880466
14P_Lt_Governor	46.79%	Stack	D	0.824339569
15G_Mayor		Kenney	D	0.740503132
15G_Mayor		Bailey	R	0.250263691
15G_Mayor		Foster	U	0.005606369
15G_Mayor		Hart	U	0.002470848
15G_Mayor		Kindij	U	0.001155952
15G_Sheriff		Williams	D	0.629886925
15G_Sheriff		Sawyer	R	0.370113075
15P_Mayor		Abraham	D	0.134250581
15P_Mayor		Diaz	D	0.073299512
15P_Mayor		Kenney	D	0.610456645
15P_Mayor		Oliver	D	0.025470806
15P_Mayor		Street	D	0.012778399
15P_Mayor		Williams	D	0.143744081
16G_AG	51.39%	Shapiro	D	0.700272858
16G_AG	48.61%	Rafferty	R	0.299727112
16G_Auditor		Depasquale	D	0.683051944
16G_Auditor		Brown	R	0.316948026
16G_Congress_Dist1		Brady	D	0.796531379
16G_Congress_Dist1		Williams	R	0.203468606
16G_President	47.85%	Clinton	D	0.668512166

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.331487864
16G_Treasurer		Torsella	D	0.715633214
16G_Treasurer		Voit	R	0.284366786
16G_US_Senate	47.34%	McGinty	D	0.660340309
16G_US_Senate	48.77%	Toomey	R	0.339659691
16P_AG	16.22%	Morganelli	D	0.144842133
16P_AG	47.03%	Shapiro	D	0.492225349
16P_AG	36.74%	Zappala	D	0.362932533
16P_Congress_Dist2		Evans	D	0.34568879
16P_Congress_Dist2		Fattah	D	0.461248755
16P_Congress_Dist2		Gordon	D	0.174430132
16P_Congress_Dist2		Muroff	D	0.01863231
16P_President	55.61%	Clinton	D	0.607348263
16P_President	0.86%	DeLaFuente	D	0.009789736
16P_President	43.53%	Sanders	D	0.382862002
16P_US_Senate	19.49%	Fetterman	D	0.1741274
16P_US_Senate	42.50%	McGinty	D	0.391199857
16P_US_Senate	32.57%	Sestak	D	0.311666131
16P_US_Senate	5.45%	Vodvarka	D	0.123006605
17G_Supreme_Court		Woodruff	D	0.530738592
17G_Supreme_Court		Mundy	R	0.469261408
17P_DA		Deni	D	0.024902806
17P_DA		Khan	D	0.195334658
17P_DA		Krasner	D	0.199362546
17P_DA		Negrin	D	0.228643477
17P_DA		ONeill	D	0.150572658
17P_DA		Shabazz	D	0.064516127
17P_DA		Untermeyer	D	0.136667714
18G_Congress_Dist2		Boyle	D	0.753367543
18G_Congress_Dist2		Torres	R	0.246632472
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.729816496
18G_Governor	40.70%	Wagner	R	0.270183474
18G_US_Senator		Casey	D	0.7200194
18G_US_Senator		Barletta	R	0.2799806
18P_Congress_Dist2		Boyle	D	0.679284036
18P_Congress_Dist2		Lawrence	D	0.320715964
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.174185947
18P_Lt_Governor	18.55%	Cozzone	D	0.183350518
18P_Lt_Governor	37.48%	Fetterman	D	0.145071462
18P_Lt_Governor	3.58%	Sosa	D	0.026904376
18P_Lt_Governor	16.62%	Stack	D	0.470487684
19P_Mayor		Butkovitz	D	0.205746725
19P_Mayor		Kenney	D	0.567577183
19P_Mayor		Williams	D	0.226676121
19P_Municipal_Judge		Brunson	D	0.427597493
19P_Municipal_Judge		Conroy	D	0.572402537
19P_Register_Wills		Donatucci	D	0.473750859
19P_Register_Wills		Gordon	D	0.380396515
19P_Register_Wills		Whaumbush	D	0.14585264
20G_AG		Shapiro	D	0.654950202
20G_AG		Heidelbaugh	R	0.345049798
20G_Auditor	46.35%	Ahmad	D	0.627991676
20G_Auditor	49.44%	Defoor	R	0.372008353
20G_Congress_Dist2		Boyle	D	0.68530786
20G_Congress_Dist2		Torres	R	0.314692169
20G_President	50.01%	Biden	D	0.627070069
20G_President	48.84%	Trump	R	0.372929931
20G_Treasurer		Torsella	D	0.640403271
20G_Treasurer		Garrity	R	0.359596699
20P_Auditor	36.44%	Ahmad	D	0.681176901
20P_Auditor	7.47%	Conklin	D	0.039596222
20P_Auditor	5.99%	Davis	D	0.060262032
20P_Auditor	9.00%	Fountain	D	0.052565344
20P_Auditor	13.97%	Hartman	D	0.071826935
20P_Auditor	27.14%	Lamb	D	0.094572574
20P_President	79.26%	Biden	D	0.806894004
20P_President	2.70%	Gabbard	D	0.027607214
20P_President	18.04%	Sanders	D	0.165498808
21G_Superior_Judge		Lane	D	0.5257774
21G_Superior_Judge		Sullivan	R	0.4742226
21P_DA		Krasner	D	0.361831427
21P_DA		Vega	D	0.638168573
21P_Superior_Judge		Beck	D	0.213717818
21P_Superior_Judge		Lane	D	0.724753797
21P_Superior_Judge		Neft	D	0.061528422

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.901483119
12G_AG	41.56%	Freed	R	0.098516889
12G_Auditor		Depasquale	D	0.884149611
12G_Auditor		Maher	R	0.115850374
12G_President		Obama	D	0.895953
12G_President		Romney	R	0.104047015
12G_Treasurer		McCord	D	0.895747781
12G_Treasurer		Vaughan	R	0.104252212
12G_US_Senate	53.69%	Casey	D	0.902499974
12G_US_Senate	44.59%	Smith	R	0.097500004
12P_AG	52.82%	Kane	D	0.377861708
12P_AG	47.18%	Murphy	D	0.622138321
12P_US_Senate	80.88%	Casey	D	0.814360201
12P_US_Senate	19.12%	Vodvarka	D	0.185639799
14G_Governor	54.93%	Wolf	D	0.917149365
14G_Governor	45.07%	Corbett	R	0.082850657
14P_Governor	16.84%	McCord	D	0.165467247
14P_Governor	7.66%	McGinty	D	0.036730163
14P_Governor	17.64%	Schwartz	D	0.330229789
14P_Governor	57.86%	Wolf	D	0.467572808
14P_Lt_Governor	15.88%	Critz	D	0.034906164
14P_Lt_Governor	11.91%	Koplinski	D	0.038474236
14P_Lt_Governor	10.84%	Neuman	D	0.040924907
14P_Lt_Governor	14.57%	Smith	D	0.062092084
14P_Lt_Governor	46.79%	Stack	D	0.823602617
15G_Mayor		Kenney	D	0.88697803
15G_Mayor		Bailey	R	0.095610507
15G_Mayor		Foster	U	0.008850706
15G_Mayor		Hart	U	0.007011895
15G_Mayor		Kindij	U	0.001548873
15G_Sheriff		Williams	D	0.825998783
15G_Sheriff		Sawyer	R	0.174001202
15P_Mayor		Abraham	D	0.075414345
15P_Mayor		Diaz	D	0.028030245
15P_Mayor		Kenney	D	0.585366249
15P_Mayor		Oliver	D	0.050416254
15P_Mayor		Street	D	0.01710074
15P_Mayor		Williams	D	0.243672192
16G_AG	51.39%	Shapiro	D	0.88395381
16G_AG	48.61%	Rafferty	R	0.116046175
16G_Auditor		Depasquale	D	0.879906297
16G_Auditor		Brown	R	0.120093681
16G_Congress_Dist1		Brady	D	0.810840607
16G_Congress_Dist1		Williams	R	0.189159408
16G_President	47.85%	Clinton	D	0.896263599

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.103736401
16G_Treasurer		Torsella	D	0.88926053
16G_Treasurer		Voit	R	0.110739477
16G_US_Senate	47.34%	McGinty	D	0.871569812
16G_US_Senate	48.77%	Toomey	R	0.128430173
16P_AG	16.22%	Morganelli	D	0.091219924
16P_AG	47.03%	Shapiro	D	0.625172138
16P_AG	36.74%	Zappala	D	0.28360796
16P_Congress_Dist2		Evans	D	0.458186537
16P_Congress_Dist2		Fattah	D	0.326316029
16P_Congress_Dist2		Gordon	D	0.1144576
16P_Congress_Dist2		Muroff	D	0.101039819
16P_President	55.61%	Clinton	D	0.610886574
16P_President	0.86%	DeLaFuente	D	0.002726201
16P_President	43.53%	Sanders	D	0.386387199
16P_US_Senate	19.49%	Fetterman	D	0.187463164
16P_US_Senate	42.50%	McGinty	D	0.451691628
16P_US_Senate	32.57%	Sestak	D	0.267034054
16P_US_Senate	5.45%	Vodvarka	D	0.093811154
17G_Supreme_Court		Woodruff	D	0.87595427
17G_Supreme_Court		Mundy	R	0.124045752
17P_DA		Deni	D	0.012856829
17P_DA		Khan	D	0.220461205
17P_DA		Krasner	D	0.436663419
17P_DA		Negrin	D	0.12513715
17P_DA		ONeill	D	0.037423447
17P_DA		Shabazz	D	0.105986558
17P_DA		Untermeyer	D	0.061471403
18G_Congress_Dist2		Boyle	D	0.920603871
18G_Congress_Dist2		Torres	R	0.079396151
18G_Congress_Dist3		Evans	D	0.921452165
18G_Congress_Dist3		Leib	R	0.078547828
18G_Congress_Dist5		Scanlon	D	0.700899899
18G_Congress_Dist5		Kim	R	0.299100131
18G_Governor	57.77%	Wolf	D	0.922857463
18G_Governor	40.70%	Wagner	R	0.077142507
18G_US_Senator		Casey	D	0.919501722
18G_US_Senator		Barletta	R	0.080498271
18P_Congress_Dist2		Boyle	D	0.565346181
18P_Congress_Dist2		Lawrence	D	0.434653819
18P_Congress_Dist5		Arata	D	0.016543528
18P_Congress_Dist5		Davidson	D	0.003694186
18P_Congress_Dist5		Kirkland	D	0.003372952
18P_Congress_Dist5		Lazer	D	0.483938336
18P_Congress_Dist5		Li	D	0.108255699
18P_Congress_Dist5		Lunkenheimer	D	0.067940891
18P_Congress_Dist5		Scanlon	D	0.103597812

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.144394472
18P_Congress_Dist5		Vitali	D	0.03678124
18P_Congress_Dist5		Wright	D	0.031480886
18P_Lt_Governor	23.78%	Ahmad	D	0.32945621
18P_Lt_Governor	18.55%	Cozzone	D	0.142808363
18P_Lt_Governor	37.48%	Fetterman	D	0.207736775
18P_Lt_Governor	3.58%	Sosa	D	0.008558487
18P_Lt_Governor	16.62%	Stack	D	0.31144014
19P_Mayor		Butkovitz	D	0.063163899
19P_Mayor		Kenney	D	0.732632756
19P_Mayor		Williams	D	0.204203323
19P_Municipal_Judge		Brunson	D	0.432713777
19P_Municipal_Judge		Conroy	D	0.567286193
19P_Register_Wills		Donatucci	D	0.381287992
19P_Register_Wills		Gordon	D	0.455391288
19P_Register_Wills		Whaumbush	D	0.16332072
20G_AG		Shapiro	D	0.881394148
20G_AG		Heidelbaugh	R	0.118605867
20G_Auditor	46.35%	Ahmad	D	0.872145593
20G_Auditor	49.44%	Defoor	R	0.127854392
20G_Congress_Dist2		Boyle	D	0.878265202
20G_Congress_Dist2		Torres	R	0.12173482
20G_President	50.01%	Biden	D	0.883384466
20G_President	48.84%	Trump	R	0.116615519
20G_Treasurer		Torsella	D	0.873276949
20G_Treasurer		Garrity	R	0.126723066
20P_Auditor	36.44%	Ahmad	D	0.731235445
20P_Auditor	7.47%	Conklin	D	0.024165196
20P_Auditor	5.99%	Davis	D	0.042636804
20P_Auditor	9.00%	Fountain	D	0.064085416
20P_Auditor	13.97%	Hartman	D	0.042909056
20P_Auditor	27.14%	Lamb	D	0.094968103
20P_President	79.26%	Biden	D	0.77085942
20P_President	2.70%	Gabbard	D	0.011470763
20P_President	18.04%	Sanders	D	0.217669815
21G_Superior_Judge		Lane	D	0.886305928
21G_Superior_Judge		Sullivan	R	0.113694057
21P_DA		Krasner	D	0.749759614
21P_DA		Vega	D	0.250240356
21P_Superior_Judge		Beck	D	0.110753752
21P_Superior_Judge		Lane	D	0.863064826
21P_Superior_Judge		Neft	D	0.026181407

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.55658865
12G_AG	41.56%	Freed	R	0.44341135
12G_Auditor		Depasquale	D	0.499572575
12G_Auditor		Maher	R	0.500427425
12G_President		Obama	D	0.53451854
12G_President		Romney	R	0.46548143
12G_Treasurer		McCord	D	0.533358872
12G_Treasurer		Vaughan	R	0.466641158
12G_US_Senate	53.69%	Casey	D	0.553610325
12G_US_Senate	44.59%	Smith	R	0.446389675
12P_AG	52.82%	Kane	D	0.42904979
12P_AG	47.18%	Murphy	D	0.57095021
12P_US_Senate	80.88%	Casey	D	0.853464484
12P_US_Senate	19.12%	Vodvarka	D	0.146535501
14G_Governor	54.93%	Wolf	D	0.562107563
14G_Governor	45.07%	Corbett	R	0.437892407
14P_Governor	16.84%	McCord	D	0.171133712
14P_Governor	7.66%	McGinty	D	0.044167709
14P_Governor	17.64%	Schwartz	D	0.309152424
14P_Governor	57.86%	Wolf	D	0.475546181
14P_Lt_Governor	15.88%	Critz	D	0.039840132
14P_Lt_Governor	11.91%	Koplinski	D	0.112943619
14P_Lt_Governor	10.84%	Neuman	D	0.060000505
14P_Lt_Governor	14.57%	Smith	D	0.162825987
14P_Lt_Governor	46.79%	Stack	D	0.624389768
16G_AG	51.39%	Shapiro	D	0.532015383
16G_AG	48.61%	Rafferty	R	0.467984617
16G_Auditor		Depasquale	D	0.506260097
16G_Auditor		Brown	R	0.493739903
16G_President	47.85%	Clinton	D	0.547780812
16G_President	48.58%	Trump	R	0.452219188
16G_Treasurer		Torsella	D	0.53957355
16G_Treasurer		Voit	R	0.46042648
16G_US_Senate	47.34%	McGinty	D	0.506456494
16G_US_Senate	48.77%	Toomey	R	0.493543535
16P_AG	16.22%	Morganelli	D	0.101571344
16P_AG	47.03%	Shapiro	D	0.741577446
16P_AG	36.74%	Zappala	D	0.156851217
16P_President	55.61%	Clinton	D	0.565673769
16P_President	0.86%	DeLaFuente	D	0.004879846
16P_President	43.53%	Sanders	D	0.429446399
16P_US_Senate	19.49%	Fetterman	D	0.100171454
16P_US_Senate	42.50%	McGinty	D	0.437001705
16P_US_Senate	32.57%	Sestak	D	0.449635655
16P_US_Senate	5.45%	Vodvarka	D	0.01319117

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.513062596
17G_Supreme_Court		Mundy	R	0.486937433
18G_Governor	57.77%	Wolf	D	0.630831182
18G_Governor	40.70%	Wagner	R	0.369168818
18G_US_Senator		Casey	D	0.611153483
18G_US_Senator		Barletta	R	0.388846546
18P_Lt_Governor	23.78%	Ahmad	D	0.301766008
18P_Lt_Governor	18.55%	Cozzone	D	0.183937252
18P_Lt_Governor	37.48%	Fetterman	D	0.26337716
18P_Lt_Governor	3.58%	Sosa	D	0.111935295
18P_Lt_Governor	16.62%	Stack	D	0.138984293
20G_AG		Shapiro	D	0.575163603
20G_AG		Heidelbaugh	R	0.424836367
20G_Auditor	46.35%	Ahmad	D	0.536742032
20G_Auditor	49.44%	Defoor	R	0.463257998
20G_President	50.01%	Biden	D	0.574174762
20G_President	48.84%	Trump	R	0.425825208
20G_Treasurer		Torsella	D	0.55356288
20G_Treasurer		Garrity	R	0.44643715
20P_Auditor	36.44%	Ahmad	D	0.543605268
20P_Auditor	7.47%	Conklin	D	0.048389312
20P_Auditor	5.99%	Davis	D	0.045173813
20P_Auditor	9.00%	Fountain	D	0.080426641
20P_Auditor	13.97%	Hartman	D	0.209448457
20P_Auditor	27.14%	Lamb	D	0.072956495
20P_President	79.26%	Biden	D	0.815565705
20P_President	2.70%	Gabbard	D	0.018653072
20P_President	18.04%	Sanders	D	0.1657812

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.71724093
12G_AG	41.56%	Freed	R	0.28275907
12G_Auditor		Depasquale	D	0.682254612
12G_Auditor		Maher	R	0.317745358
12G_President		Obama	D	0.719274998
12G_President		Romney	R	0.280724972
12G_Treasurer		McCord	D	0.699018359
12G_Treasurer		Vaughan	R	0.300981641
12G_US_Senate	53.69%	Casey	D	0.726846397
12G_US_Senate	44.59%	Smith	R	0.273153633
12P_AG	52.82%	Kane	D	0.363424808
12P_AG	47.18%	Murphy	D	0.636575162
12P_US_Senate	80.88%	Casey	D	0.824449301
12P_US_Senate	19.12%	Vodvarka	D	0.175550669
14G_Governor	54.93%	Wolf	D	0.710817933
14G_Governor	45.07%	Corbett	R	0.289182037
14P_Governor	16.84%	McCord	D	0.157559887
14P_Governor	7.66%	McGinty	D	0.04548857
14P_Governor	17.64%	Schwartz	D	0.281386077
14P_Governor	57.86%	Wolf	D	0.515565455
14P_Lt_Governor	15.88%	Critz	D	0.038786035
14P_Lt_Governor	11.91%	Koplinski	D	0.062496297
14P_Lt_Governor	10.84%	Neuman	D	0.045642253
14P_Lt_Governor	14.57%	Smith	D	0.100571021
14P_Lt_Governor	46.79%	Stack	D	0.752504408
15G_Mayor		Kenney	D	0.946200073
15G_Mayor		Bailey	R	0.044685297
15G_Mayor		Foster	U	0.004283103
15G_Mayor		Hart	U	0.003813006
15G_Mayor		Kindij	U	0.001018543
15G_Sheriff		Williams	D	0.942036331
15G_Sheriff		Sawyer	R	0.057963666
15P_Mayor		Abraham	D	0.046517286
15P_Mayor		Diaz	D	0.016788693
15P_Mayor		Kenney	D	0.412285179
15P_Mayor		Oliver	D	0.040965296
15P_Mayor		Street	D	0.021079874
15P_Mayor		Williams	D	0.46236369
16G_AG	51.39%	Shapiro	D	0.686612725
16G_AG	48.61%	Rafferty	R	0.313387305
16G_Auditor		Depasquale	D	0.675964773
16G_Auditor		Brown	R	0.324035227
16G_Congress_Dist1		Brady	D	0.922038436
16G_Congress_Dist1		Williams	R	0.077961549
16G_President	47.85%	Clinton	D	0.710345984

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.289654046
16G_Treasurer		Torsella	D	0.695112765
16G_Treasurer		Voit	R	0.304887235
16G_US_Senate	47.34%	McGinty	D	0.672318161
16G_US_Senate	48.77%	Toomey	R	0.327681839
16P_AG	16.22%	Morganelli	D	0.109720059
16P_AG	47.03%	Shapiro	D	0.569346845
16P_AG	36.74%	Zappala	D	0.320933074
16P_Congress_Dist2		Evans	D	0.355530471
16P_Congress_Dist2		Fattah	D	0.524233162
16P_Congress_Dist2		Gordon	D	0.095140085
16P_Congress_Dist2		Muroff	D	0.025096269
16P_President	55.61%	Clinton	D	0.63548696
16P_President	0.86%	DeLaFuente	D	0.003639571
16P_President	43.53%	Sanders	D	0.360873491
16P_US_Senate	19.49%	Fetterman	D	0.105057903
16P_US_Senate	42.50%	McGinty	D	0.347423583
16P_US_Senate	32.57%	Sestak	D	0.472251892
16P_US_Senate	5.45%	Vodvarka	D	0.075266629
17G_Supreme_Court		Woodruff	D	0.59374088
17G_Supreme_Court		Mundy	R	0.40625912
17P_DA		Deni	D	0.012639067
17P_DA		Khan	D	0.143873453
17P_DA		Krasner	D	0.374593198
17P_DA		Negrin	D	0.112692043
17P_DA		ONeill	D	0.045107093
17P_DA		Shabazz	D	0.211004317
17P_DA		Untermeyer	D	0.100090817
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.980578899
18G_Congress_Dist3		Leib	R	0.019421097
18G_Congress_Dist5		Scanlon	D	0.879568875
18G_Congress_Dist5		Kim	R	0.120431118
18G_Governor	57.77%	Wolf	D	0.753135681
18G_Governor	40.70%	Wagner	R	0.246864289
18G_US_Senator		Casey	D	0.74126935
18G_US_Senator		Barletta	R	0.25873068
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.004618117
18P_Congress_Dist5		Davidson	D	0.040852576
18P_Congress_Dist5		Kirkland	D	0.05062167
18P_Congress_Dist5		Lazer	D	0.330728233
18P_Congress_Dist5		Li	D	0.14227353
18P_Congress_Dist5		Lunkenheimer	D	0.066429839
18P_Congress_Dist5		Scanlon	D	0.060568385

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.12113677
18P_Congress_Dist5		Vitali	D	0.045648314
18P_Congress_Dist5		Wright	D	0.137122557
18P_Lt_Governor	23.78%	Ahmad	D	0.321997076
18P_Lt_Governor	18.55%	Cozzone	D	0.226966694
18P_Lt_Governor	37.48%	Fetterman	D	0.142800704
18P_Lt_Governor	3.58%	Sosa	D	0.015572273
18P_Lt_Governor	16.62%	Stack	D	0.292663246
19P_Mayor		Butkovitz	D	0.043244384
19P_Mayor		Kenney	D	0.570245743
19P_Mayor		Williams	D	0.386509866
19P_Municipal_Judge		Brunson	D	0.506048977
19P_Municipal_Judge		Conroy	D	0.493951023
19P_Register_Wills		Donatucci	D	0.378590673
19P_Register_Wills		Gordon	D	0.462235063
19P_Register_Wills		Whaumbush	D	0.159174263
20G_AG		Shapiro	D	0.70281142
20G_AG		Heidelbaugh	R	0.29718861
20G_Auditor	46.35%	Ahmad	D	0.684177399
20G_Auditor	49.44%	Defoor	R	0.315822601
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.711939991
20G_President	48.84%	Trump	R	0.28805998
20G_Treasurer		Torsella	D	0.690216541
20G_Treasurer		Garrity	R	0.309783459
20P_Auditor	36.44%	Ahmad	D	0.711000741
20P_Auditor	7.47%	Conklin	D	0.034161825
20P_Auditor	5.99%	Davis	D	0.047486011
20P_Auditor	9.00%	Fountain	D	0.06881132
20P_Auditor	13.97%	Hartman	D	0.065612525
20P_Auditor	27.14%	Lamb	D	0.072927602
20P_President	79.26%	Biden	D	0.838098586
20P_President	2.70%	Gabbard	D	0.010160213
20P_President	18.04%	Sanders	D	0.151741222
21G_Superior_Judge		Lane	D	0.930119097
21G_Superior_Judge		Sullivan	R	0.069880895
21P_DA		Krasner	D	0.793789983
21P_DA		Vega	D	0.206210002
21P_Superior_Judge		Beck	D	0.086122371
21P_Superior_Judge		Lane	D	0.892800629
21P_Superior_Judge		Neft	D	0.021077013

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.53418982
12G_AG	41.56%	Freed	R	0.46581018
12G_Auditor		Depasquale	D	0.46600464
12G_Auditor		Maher	R	0.53399539
12G_President		Obama	D	0.515488088
12G_President		Romney	R	0.484511912
12G_Treasurer		McCord	D	0.500951767
12G_Treasurer		Vaughan	R	0.499048233
12G_US_Senate	53.69%	Casey	D	0.529514313
12G_US_Senate	44.59%	Smith	R	0.470485657
12P_AG	52.82%	Kane	D	0.439587057
12P_AG	47.18%	Murphy	D	0.560412943
12P_US_Senate	80.88%	Casey	D	0.86108458
12P_US_Senate	19.12%	Vodvarka	D	0.138915449
14G_Governor	54.93%	Wolf	D	0.525559902
14G_Governor	45.07%	Corbett	R	0.474440068
14P_Governor	16.84%	McCord	D	0.190772638
14P_Governor	7.66%	McGinty	D	0.088513575
14P_Governor	17.64%	Schwartz	D	0.18741332
14P_Governor	57.86%	Wolf	D	0.533300459
14P_Lt_Governor	15.88%	Critz	D	0.038794741
14P_Lt_Governor	11.91%	Koplinski	D	0.186345905
14P_Lt_Governor	10.84%	Neuman	D	0.052221034
14P_Lt_Governor	14.57%	Smith	D	0.15162392
14P_Lt_Governor	46.79%	Stack	D	0.571014404
16G_AG	51.39%	Shapiro	D	0.514887989
16G_AG	48.61%	Rafferty	R	0.485112041
16G_Auditor		Depasquale	D	0.495473117
16G_Auditor		Brown	R	0.504526913
16G_President	47.85%	Clinton	D	0.557499826
16G_President	48.58%	Trump	R	0.442500144
16G_Treasurer		Torsella	D	0.524691761
16G_Treasurer		Voit	R	0.475308239
16G_US_Senate	47.34%	McGinty	D	0.502239168
16G_US_Senate	48.77%	Toomey	R	0.497760862
16P_AG	16.22%	Morganelli	D	0.118550844
16P_AG	47.03%	Shapiro	D	0.662803888
16P_AG	36.74%	Zappala	D	0.218645245
16P_President	55.61%	Clinton	D	0.554286242
16P_President	0.86%	DeLaFuente	D	0.004344353
16P_President	43.53%	Sanders	D	0.441369385
16P_US_Senate	19.49%	Fetterman	D	0.07640487
16P_US_Senate	42.50%	McGinty	D	0.46952498
16P_US_Senate	32.57%	Sestak	D	0.437068582
16P_US_Senate	5.45%	Vodvarka	D	0.017001586

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.497524261
17G_Supreme_Court		Mundy	R	0.502475739
18G_Governor	57.77%	Wolf	D	0.625487506
18G_Governor	40.70%	Wagner	R	0.374512523
18G_US_Senator		Casey	D	0.606224537
18G_US_Senator		Barletta	R	0.393775493
18P_Lt_Governor	23.78%	Ahmad	D	0.212612614
18P_Lt_Governor	18.55%	Cozzone	D	0.539819837
18P_Lt_Governor	37.48%	Fetterman	D	0.151788935
18P_Lt_Governor	3.58%	Sosa	D	0.016447876
18P_Lt_Governor	16.62%	Stack	D	0.079330757
20G_AG		Shapiro	D	0.562552631
20G_AG		Heidelbaugh	R	0.437447399
20G_Auditor	46.35%	Ahmad	D	0.533185482
20G_Auditor	49.44%	Defoor	R	0.466814488
20G_President	50.01%	Biden	D	0.585205972
20G_President	48.84%	Trump	R	0.414794028
20G_Treasurer		Torsella	D	0.547039211
20G_Treasurer		Garrity	R	0.452960759
20P_Auditor	36.44%	Ahmad	D	0.399590552
20P_Auditor	7.47%	Conklin	D	0.039104674
20P_Auditor	5.99%	Davis	D	0.034781314
20P_Auditor	9.00%	Fountain	D	0.068784885
20P_Auditor	13.97%	Hartman	D	0.395026982
20P_Auditor	27.14%	Lamb	D	0.062711596
20P_President	79.26%	Biden	D	0.818177998
20P_President	2.70%	Gabbard	D	0.014851433
20P_President	18.04%	Sanders	D	0.166970581

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.563692629
12G_AG	41.56%	Freed	R	0.436307341
12G_Auditor		Depasquale	D	0.506556451
12G_Auditor		Maher	R	0.493443549
12G_President		Obama	D	0.525182724
12G_President		Romney	R	0.474817246
12G_Treasurer		McCord	D	0.537042379
12G_Treasurer		Vaughan	R	0.462957591
12G_US_Senate	53.69%	Casey	D	0.538783789
12G_US_Senate	44.59%	Smith	R	0.461216182
12P_AG	52.82%	Kane	D	0.512444079
12P_AG	47.18%	Murphy	D	0.487555921
12P_US_Senate	80.88%	Casey	D	0.822645068
12P_US_Senate	19.12%	Vodvarka	D	0.177354917
14G_Governor	54.93%	Wolf	D	0.546779156
14G_Governor	45.07%	Corbett	R	0.453220814
14P_Governor	16.84%	McCord	D	0.15330407
14P_Governor	7.66%	McGinty	D	0.062904343
14P_Governor	17.64%	Schwartz	D	0.144061923
14P_Governor	57.86%	Wolf	D	0.639729679
14P_Lt_Governor	15.88%	Critz	D	0.053237062
14P_Lt_Governor	11.91%	Koplinski	D	0.15131624
14P_Lt_Governor	10.84%	Neuman	D	0.070856079
14P_Lt_Governor	14.57%	Smith	D	0.234712914
14P_Lt_Governor	46.79%	Stack	D	0.489877701
16G_AG	51.39%	Shapiro	D	0.512153506
16G_AG	48.61%	Rafferty	R	0.487846524
16G_Auditor		Depasquale	D	0.490706503
16G_Auditor		Brown	R	0.509293497
16G_President	47.85%	Clinton	D	0.48523882
16G_President	48.58%	Trump	R	0.51476115
16G_Treasurer		Torsella	D	0.52308929
16G_Treasurer		Voit	R	0.476910681
16G_US_Senate	47.34%	McGinty	D	0.477172107
16G_US_Senate	48.77%	Toomey	R	0.522827864
16P_AG	16.22%	Morganelli	D	0.673241735
16P_AG	47.03%	Shapiro	D	0.235486984
16P_AG	36.74%	Zappala	D	0.091271296
16P_President	55.61%	Clinton	D	0.515044093
16P_President	0.86%	DeLaFuente	D	0.008171641
16P_President	43.53%	Sanders	D	0.476784289
16P_US_Senate	19.49%	Fetterman	D	0.109981805
16P_US_Senate	42.50%	McGinty	D	0.421326697
16P_US_Senate	32.57%	Sestak	D	0.42963168
16P_US_Senate	5.45%	Vodvarka	D	0.039059822

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.46963948
17G_Supreme_Court		Mundy	R	0.53036052
18G_Governor	57.77%	Wolf	D	0.580781102
18G_Governor	40.70%	Wagner	R	0.419218898
18G_US_Senator		Casey	D	0.5514552
18G_US_Senator		Barletta	R	0.44854483
18P_Lt_Governor	23.78%	Ahmad	D	0.284814328
18P_Lt_Governor	18.55%	Cozzone	D	0.23951079
18P_Lt_Governor	37.48%	Fetterman	D	0.192066342
18P_Lt_Governor	3.58%	Sosa	D	0.062799908
18P_Lt_Governor	16.62%	Stack	D	0.220808625
20G_AG		Shapiro	D	0.515722156
20G_AG		Heidelbaugh	R	0.484277844
20G_Auditor	46.35%	Ahmad	D	0.485203594
20G_Auditor	49.44%	Defoor	R	0.514796376
20G_President	50.01%	Biden	D	0.503094912
20G_President	48.84%	Trump	R	0.496905059
20G_Treasurer		Torsella	D	0.496640146
20G_Treasurer		Garrity	R	0.503359854
20P_Auditor	36.44%	Ahmad	D	0.338736117
20P_Auditor	7.47%	Conklin	D	0.086196676
20P_Auditor	5.99%	Davis	D	0.163668945
20P_Auditor	9.00%	Fountain	D	0.101674594
20P_Auditor	13.97%	Hartman	D	0.177796155
20P_Auditor	27.14%	Lamb	D	0.131927505
20P_President	79.26%	Biden	D	0.789889991
20P_President	2.70%	Gabbard	D	0.025834708
20P_President	18.04%	Sanders	D	0.18427527

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.639104068
12G_AG	41.56%	Freed	R	0.360895962
12G_Auditor		Depasquale	D	0.566469133
12G_Auditor		Maher	R	0.433530867
12G_President		Obama	D	0.563155174
12G_President		Romney	R	0.436844856
12G_Treasurer		McCord	D	0.59847945
12G_Treasurer		Vaughan	R	0.40152055
12G_US_Senate	53.69%	Casey	D	0.590358496
12G_US_Senate	44.59%	Smith	R	0.409641534
12P_AG	52.82%	Kane	D	0.76966095
12P_AG	47.18%	Murphy	D	0.230339035
12P_US_Senate	80.88%	Casey	D	0.904757679
12P_US_Senate	19.12%	Vodvarka	D	0.095242314
14G_Governor	54.93%	Wolf	D	0.596992612
14G_Governor	45.07%	Corbett	R	0.403007388
14P_Governor	16.84%	McCord	D	0.214022428
14P_Governor	7.66%	McGinty	D	0.087058932
14P_Governor	17.64%	Schwartz	D	0.063382328
14P_Governor	57.86%	Wolf	D	0.635536313
14P_Lt_Governor	15.88%	Critz	D	0.039918136
14P_Lt_Governor	11.91%	Koplinski	D	0.113813773
14P_Lt_Governor	10.84%	Neuman	D	0.075525694
14P_Lt_Governor	14.57%	Smith	D	0.33778277
14P_Lt_Governor	46.79%	Stack	D	0.432959616
16G_AG	51.39%	Shapiro	D	0.530496955
16G_AG	48.61%	Rafferty	R	0.469503015
16G_Auditor		Depasquale	D	0.548989773
16G_Auditor		Brown	R	0.451010257
16G_President	47.85%	Clinton	D	0.456647009
16G_President	48.58%	Trump	R	0.543352962
16G_Treasurer		Torsella	D	0.560183287
16G_Treasurer		Voit	R	0.439816743
16G_US_Senate	47.34%	McGinty	D	0.50231421
16G_US_Senate	48.77%	Toomey	R	0.49768579
16P_AG	16.22%	Morganelli	D	0.319404215
16P_AG	47.03%	Shapiro	D	0.42242977
16P_AG	36.74%	Zappala	D	0.258166045
16P_President	55.61%	Clinton	D	0.540977955
16P_President	0.86%	DeLaFuente	D	0.009885097
16P_President	43.53%	Sanders	D	0.449136972
16P_US_Senate	19.49%	Fetterman	D	0.086361066
16P_US_Senate	42.50%	McGinty	D	0.496394515
16P_US_Senate	32.57%	Sestak	D	0.383539706
16P_US_Senate	5.45%	Vodvarka	D	0.033704743

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.43317458
17G_Supreme_Court		Mundy	R	0.566825449
18G_Governor	57.77%	Wolf	D	0.57196629
18G_Governor	40.70%	Wagner	R	0.42803368
18G_US_Senator		Casey	D	0.529089034
18G_US_Senator		Barletta	R	0.470910966
18P_Lt_Governor	23.78%	Ahmad	D	0.268133193
18P_Lt_Governor	18.55%	Cozzone	D	0.171144009
18P_Lt_Governor	37.48%	Fetterman	D	0.200314254
18P_Lt_Governor	3.58%	Sosa	D	0.036038321
18P_Lt_Governor	16.62%	Stack	D	0.324370205
20G_AG		Shapiro	D	0.53392899
20G_AG		Heidelbaugh	R	0.46607101
20G_Auditor	46.35%	Ahmad	D	0.488152057
20G_Auditor	49.44%	Defoor	R	0.511847973
20G_President	50.01%	Biden	D	0.483077377
20G_President	48.84%	Trump	R	0.516922653
20G_Treasurer		Torsella	D	0.498455733
20G_Treasurer		Garrity	R	0.501544237
20P_Auditor	36.44%	Ahmad	D	0.221732572
20P_Auditor	7.47%	Conklin	D	0.072923057
20P_Auditor	5.99%	Davis	D	0.331570625
20P_Auditor	9.00%	Fountain	D	0.07665287
20P_Auditor	13.97%	Hartman	D	0.14358522
20P_Auditor	27.14%	Lamb	D	0.153535664
20P_President	79.26%	Biden	D	0.806945443
20P_President	2.70%	Gabbard	D	0.035268255
20P_President	18.04%	Sanders	D	0.157786295

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.461369723
12G_AG	41.56%	Freed	R	0.538630307
12G_Auditor		Depasquale	D	0.374569893
12G_Auditor		Maher	R	0.625430107
12G_President		Obama	D	0.38637203
12G_President		Romney	R	0.61362797
12G_Treasurer		McCord	D	0.408947945
12G_Treasurer		Vaughan	R	0.591052055
12G_US_Senate	53.69%	Casey	D	0.399205208
12G_US_Senate	44.59%	Smith	R	0.600794792
12P_AG	52.82%	Kane	D	0.701528788
12P_AG	47.18%	Murphy	D	0.298471212
12P_US_Senate	80.88%	Casey	D	0.870472968
12P_US_Senate	19.12%	Vodvarka	D	0.129527003
14G_Governor	54.93%	Wolf	D	0.430519998
14G_Governor	45.07%	Corbett	R	0.569480002
14P_Governor	16.84%	McCord	D	0.190490738
14P_Governor	7.66%	McGinty	D	0.103118837
14P_Governor	17.64%	Schwartz	D	0.081484154
14P_Governor	57.86%	Wolf	D	0.624906242
14P_Lt_Governor	15.88%	Critz	D	0.052390702
14P_Lt_Governor	11.91%	Koplinski	D	0.18701072
14P_Lt_Governor	10.84%	Neuman	D	0.04793448
14P_Lt_Governor	14.57%	Smith	D	0.399915695
14P_Lt_Governor	46.79%	Stack	D	0.312748402
16G_AG	51.39%	Shapiro	D	0.343628824
16G_AG	48.61%	Rafferty	R	0.656371176
16G_Auditor		Depasquale	D	0.343896985
16G_Auditor		Brown	R	0.656103015
16G_President	47.85%	Clinton	D	0.286938101
16G_President	48.58%	Trump	R	0.713061929
16G_Treasurer		Torsella	D	0.374977857
16G_Treasurer		Voit	R	0.625022173
16G_US_Senate	47.34%	McGinty	D	0.324535191
16G_US_Senate	48.77%	Toomey	R	0.675464809
16P_AG	16.22%	Morganelli	D	0.327692598
16P_AG	47.03%	Shapiro	D	0.468488783
16P_AG	36.74%	Zappala	D	0.203818604
16P_President	55.61%	Clinton	D	0.474270195
16P_President	0.86%	DeLaFuente	D	0.013261967
16P_President	43.53%	Sanders	D	0.512467861
16P_US_Senate	19.49%	Fetterman	D	0.127042964
16P_US_Senate	42.50%	McGinty	D	0.48700881
16P_US_Senate	32.57%	Sestak	D	0.349956483
16P_US_Senate	5.45%	Vodvarka	D	0.035991747

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.284773588
17G_Supreme_Court		Mundy	R	0.715226412
18G_Governor	57.77%	Wolf	D	0.398927391
18G_Governor	40.70%	Wagner	R	0.601072609
18G_US_Senator		Casey	D	0.364554077
18G_US_Senator		Barletta	R	0.635445893
18P_Lt_Governor	23.78%	Ahmad	D	0.230211288
18P_Lt_Governor	18.55%	Cozzone	D	0.206804723
18P_Lt_Governor	37.48%	Fetterman	D	0.272994846
18P_Lt_Governor	3.58%	Sosa	D	0.042748518
18P_Lt_Governor	16.62%	Stack	D	0.247240618
20G_AG		Shapiro	D	0.338795066
20G_AG		Heidelbaugh	R	0.661204934
20G_Auditor	46.35%	Ahmad	D	0.293901592
20G_Auditor	49.44%	Defoor	R	0.706098437
20G_President	50.01%	Biden	D	0.306409031
20G_President	48.84%	Trump	R	0.693590939
20G_Treasurer		Torsella	D	0.303922445
20G_Treasurer		Garrity	R	0.696077526
20P_Auditor	36.44%	Ahmad	D	0.200599775
20P_Auditor	7.47%	Conklin	D	0.192373157
20P_Auditor	5.99%	Davis	D	0.096733667
20P_Auditor	9.00%	Fountain	D	0.134442374
20P_Auditor	13.97%	Hartman	D	0.228947148
20P_Auditor	27.14%	Lamb	D	0.146903872
20P_President	79.26%	Biden	D	0.767234921
20P_President	2.70%	Gabbard	D	0.047659356
20P_President	18.04%	Sanders	D	0.185105711

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.438728303
12G_AG	41.56%	Freed	R	0.561271727
12G_Auditor		Depasquale	D	0.398657382
12G_Auditor		Maher	R	0.601342618
12G_President		Obama	D	0.39451915
12G_President		Romney	R	0.60548085
12G_Treasurer		McCord	D	0.408327758
12G_Treasurer		Vaughan	R	0.591672242
12G_US_Senate	53.69%	Casey	D	0.413900197
12G_US_Senate	44.59%	Smith	R	0.586099803
12P_AG	52.82%	Kane	D	0.659200668
12P_AG	47.18%	Murphy	D	0.340799302
12P_US_Senate	80.88%	Casey	D	0.836402237
12P_US_Senate	19.12%	Vodvarka	D	0.163597733
14G_Governor	54.93%	Wolf	D	0.42446366
14G_Governor	45.07%	Corbett	R	0.57553637
14P_Governor	16.84%	McCord	D	0.066161193
14P_Governor	7.66%	McGinty	D	0.06405504
14P_Governor	17.64%	Schwartz	D	0.048525695
14P_Governor	57.86%	Wolf	D	0.821258068
14P_Lt_Governor	15.88%	Critz	D	0.059492342
14P_Lt_Governor	11.91%	Koplinski	D	0.378324151
14P_Lt_Governor	10.84%	Neuman	D	0.059747126
14P_Lt_Governor	14.57%	Smith	D	0.126851171
14P_Lt_Governor	46.79%	Stack	D	0.375585198
16G_AG	51.39%	Shapiro	D	0.36922887
16G_AG	48.61%	Rafferty	R	0.63077116
16G_Auditor		Depasquale	D	0.427211165
16G_Auditor		Brown	R	0.572788835
16G_President	47.85%	Clinton	D	0.364604712
16G_President	48.58%	Trump	R	0.635395288
16G_Treasurer		Torsella	D	0.380610347
16G_Treasurer		Voit	R	0.619389653
16G_US_Senate	47.34%	McGinty	D	0.362920254
16G_US_Senate	48.77%	Toomey	R	0.637079775
16P_AG	16.22%	Morganelli	D	0.198225364
16P_AG	47.03%	Shapiro	D	0.560396492
16P_AG	36.74%	Zappala	D	0.241378114
16P_President	55.61%	Clinton	D	0.509960771
16P_President	0.86%	DeLaFuente	D	0.008987862
16P_President	43.53%	Sanders	D	0.481051356
16P_US_Senate	19.49%	Fetterman	D	0.16043818
16P_US_Senate	42.50%	McGinty	D	0.521674514
16P_US_Senate	32.57%	Sestak	D	0.285751224
16P_US_Senate	5.45%	Vodvarka	D	0.032136105

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.321825236
17G_Supreme_Court		Mundy	R	0.678174794
18G_Governor	57.77%	Wolf	D	0.473237962
18G_Governor	40.70%	Wagner	R	0.526762009
18G_US_Senator		Casey	D	0.435187459
18G_US_Senator		Barletta	R	0.564812541
18P_Lt_Governor	23.78%	Ahmad	D	0.342711329
18P_Lt_Governor	18.55%	Cozzone	D	0.183533058
18P_Lt_Governor	37.48%	Fetterman	D	0.354598016
18P_Lt_Governor	3.58%	Sosa	D	0.030136632
18P_Lt_Governor	16.62%	Stack	D	0.08902096
20G_AG		Shapiro	D	0.394988894
20G_AG		Heidelbaugh	R	0.605011106
20G_Auditor	46.35%	Ahmad	D	0.361945868
20G_Auditor	49.44%	Defoor	R	0.638054132
20G_President	50.01%	Biden	D	0.396096051
20G_President	48.84%	Trump	R	0.603903949
20G_Treasurer		Torsella	D	0.369709045
20G_Treasurer		Garrity	R	0.630290926
20P_Auditor	36.44%	Ahmad	D	0.194476902
20P_Auditor	7.47%	Conklin	D	0.100867301
20P_Auditor	5.99%	Davis	D	0.048269507
20P_Auditor	9.00%	Fountain	D	0.255385667
20P_Auditor	13.97%	Hartman	D	0.297615319
20P_Auditor	27.14%	Lamb	D	0.103385285
20P_President	79.26%	Biden	D	0.791625142
20P_President	2.70%	Gabbard	D	0.029265255
20P_President	18.04%	Sanders	D	0.179109588

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.441233993
12G_AG	41.56%	Freed	R	0.558766007
12G_Auditor		Depasquale	D	0.364839882
12G_Auditor		Maher	R	0.635160148
12G_President		Obama	D	0.396333545
12G_President		Romney	R	0.603666425
12G_Treasurer		McCord	D	0.39344421
12G_Treasurer		Vaughan	R	0.60655576
12G_US_Senate	53.69%	Casey	D	0.408972085
12G_US_Senate	44.59%	Smith	R	0.591027915
12P_AG	52.82%	Kane	D	0.571049213
12P_AG	47.18%	Murphy	D	0.428950787
12P_US_Senate	80.88%	Casey	D	0.863490343
12P_US_Senate	19.12%	Vodvarka	D	0.136509642
14G_Governor	54.93%	Wolf	D	0.404181689
14G_Governor	45.07%	Corbett	R	0.595818341
14P_Governor	16.84%	McCord	D	0.10621088
14P_Governor	7.66%	McGinty	D	0.085074387
14P_Governor	17.64%	Schwartz	D	0.102877818
14P_Governor	57.86%	Wolf	D	0.705836952
14P_Lt_Governor	15.88%	Critz	D	0.055350553
14P_Lt_Governor	11.91%	Koplinski	D	0.388893902
14P_Lt_Governor	10.84%	Neuman	D	0.049995501
14P_Lt_Governor	14.57%	Smith	D	0.104806051
14P_Lt_Governor	46.79%	Stack	D	0.400954008
16G_AG	51.39%	Shapiro	D	0.378573239
16G_AG	48.61%	Rafferty	R	0.621426761
16G_Auditor		Depasquale	D	0.399659574
16G_Auditor		Brown	R	0.600340426
16G_President	47.85%	Clinton	D	0.385369569
16G_President	48.58%	Trump	R	0.614630461
16G_Treasurer		Torsella	D	0.387533426
16G_Treasurer		Voit	R	0.612466574
16G_US_Senate	47.34%	McGinty	D	0.376563996
16G_US_Senate	48.77%	Toomey	R	0.623435974
16P_AG	16.22%	Morganelli	D	0.181042671
16P_AG	47.03%	Shapiro	D	0.589464724
16P_AG	36.74%	Zappala	D	0.22949262
16P_President	55.61%	Clinton	D	0.48620522
16P_President	0.86%	DeLaFuente	D	0.006181463
16P_President	43.53%	Sanders	D	0.507613301
16P_US_Senate	19.49%	Fetterman	D	0.156439602
16P_US_Senate	42.50%	McGinty	D	0.526158035
16P_US_Senate	32.57%	Sestak	D	0.308356047
16P_US_Senate	5.45%	Vodvarka	D	0.009046322

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.329312205
17G_Supreme_Court		Mundy	R	0.670687795
18G_Governor	57.77%	Wolf	D	0.477029502
18G_Governor	40.70%	Wagner	R	0.522970498
18G_US_Senator		Casey	D	0.446252644
18G_US_Senator		Barletta	R	0.553747356
18P_Lt_Governor	23.78%	Ahmad	D	0.385047883
18P_Lt_Governor	18.55%	Cozzone	D	0.227622733
18P_Lt_Governor	37.48%	Fetterman	D	0.282664508
18P_Lt_Governor	3.58%	Sosa	D	0.027581992
18P_Lt_Governor	16.62%	Stack	D	0.07708291
20G_AG		Shapiro	D	0.403944582
20G_AG		Heidelbaugh	R	0.596055388
20G_Auditor	46.35%	Ahmad	D	0.374055624
20G_Auditor	49.44%	Defoor	R	0.625944376
20G_President	50.01%	Biden	D	0.410344183
20G_President	48.84%	Trump	R	0.589655817
20G_Treasurer		Torsella	D	0.378279388
20G_Treasurer		Garrity	R	0.621720612
20P_Auditor	36.44%	Ahmad	D	0.128276363
20P_Auditor	7.47%	Conklin	D	0.034597002
20P_Auditor	5.99%	Davis	D	0.02146567
20P_Auditor	9.00%	Fountain	D	0.151829928
20P_Auditor	13.97%	Hartman	D	0.61767292
20P_Auditor	27.14%	Lamb	D	0.046158094
20P_President	79.26%	Biden	D	0.766245842
20P_President	2.70%	Gabbard	D	0.024507985
20P_President	18.04%	Sanders	D	0.209246188

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.448555261
12G_AG	41.56%	Freed	R	0.551444769
12G_Auditor		Depasquale	D	0.369421512
12G_Auditor		Maher	R	0.630578518
12G_President		Obama	D	0.383206189
12G_President		Romney	R	0.616793811
12G_Treasurer		McCord	D	0.408527702
12G_Treasurer		Vaughan	R	0.591472268
12G_US_Senate	53.69%	Casey	D	0.405301541
12G_US_Senate	44.59%	Smith	R	0.594698489
12P_AG	52.82%	Kane	D	0.630601287
12P_AG	47.18%	Murphy	D	0.369398713
12P_US_Senate	80.88%	Casey	D	0.843460381
12P_US_Senate	19.12%	Vodvarka	D	0.156539619
14G_Governor	54.93%	Wolf	D	0.413748741
14G_Governor	45.07%	Corbett	R	0.586251259
14P_Governor	16.84%	McCord	D	0.134810627
14P_Governor	7.66%	McGinty	D	0.097407378
14P_Governor	17.64%	Schwartz	D	0.070097998
14P_Governor	57.86%	Wolf	D	0.69768399
14P_Lt_Governor	15.88%	Critz	D	0.20880343
14P_Lt_Governor	11.91%	Koplinski	D	0.407818198
14P_Lt_Governor	10.84%	Neuman	D	0.052566342
14P_Lt_Governor	14.57%	Smith	D	0.110249482
14P_Lt_Governor	46.79%	Stack	D	0.220562533
16G_AG	51.39%	Shapiro	D	0.358277231
16G_AG	48.61%	Rafferty	R	0.641722798
16G_Auditor		Depasquale	D	0.382778734
16G_Auditor		Brown	R	0.617221236
16G_President	47.85%	Clinton	D	0.328637272
16G_President	48.58%	Trump	R	0.671362698
16G_Treasurer		Torsella	D	0.373514473
16G_Treasurer		Voit	R	0.626485527
16G_US_Senate	47.34%	McGinty	D	0.341729969
16G_US_Senate	48.77%	Toomey	R	0.658270001
16P_AG	16.22%	Morganelli	D	0.201961219
16P_AG	47.03%	Shapiro	D	0.526034296
16P_AG	36.74%	Zappala	D	0.272004515
16P_President	55.61%	Clinton	D	0.522062778
16P_President	0.86%	DeLaFuente	D	0.011792453
16P_President	43.53%	Sanders	D	0.4661448
16P_US_Senate	19.49%	Fetterman	D	0.147586018
16P_US_Senate	42.50%	McGinty	D	0.488376498
16P_US_Senate	32.57%	Sestak	D	0.324153572
16P_US_Senate	5.45%	Vodvarka	D	0.039883938

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.297545075
17G_Supreme_Court		Mundy	R	0.702454925
18G_Governor	57.77%	Wolf	D	0.41916731
18G_Governor	40.70%	Wagner	R	0.58083266
18G_US_Senator		Casey	D	0.396030784
18G_US_Senator		Barletta	R	0.603969216
18P_Lt_Governor	23.78%	Ahmad	D	0.314703792
18P_Lt_Governor	18.55%	Cozzone	D	0.206566736
18P_Lt_Governor	37.48%	Fetterman	D	0.347751617
18P_Lt_Governor	3.58%	Sosa	D	0.036473949
18P_Lt_Governor	16.62%	Stack	D	0.094503924
20G_AG		Shapiro	D	0.353178173
20G_AG		Heidelbaugh	R	0.646821856
20G_Auditor	46.35%	Ahmad	D	0.311943293
20G_Auditor	49.44%	Defoor	R	0.688056707
20G_President	50.01%	Biden	D	0.341587156
20G_President	48.84%	Trump	R	0.658412874
20G_Treasurer		Torsella	D	0.329709888
20G_Treasurer		Garrity	R	0.670290112
20P_Auditor	36.44%	Ahmad	D	0.140721366
20P_Auditor	7.47%	Conklin	D	0.21624887
20P_Auditor	5.99%	Davis	D	0.034697928
20P_Auditor	9.00%	Fountain	D	0.411812454
20P_Auditor	13.97%	Hartman	D	0.103228137
20P_Auditor	27.14%	Lamb	D	0.093291253
20P_President	79.26%	Biden	D	0.788453639
20P_President	2.70%	Gabbard	D	0.032852236
20P_President	18.04%	Sanders	D	0.178694099

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.514673769
12G_AG	41.56%	Freed	R	0.485326231
12G_Auditor		Depasquale	D	0.436723441
12G_Auditor		Maher	R	0.563276529
12G_President		Obama	D	0.382550716
12G_President		Romney	R	0.617449284
12G_Treasurer		McCord	D	0.46460858
12G_Treasurer		Vaughan	R	0.53539145
12G_US_Senate	53.69%	Casey	D	0.433963954
12G_US_Senate	44.59%	Smith	R	0.566036046
12P_AG	52.82%	Kane	D	0.612742603
12P_AG	47.18%	Murphy	D	0.387257397
12P_US_Senate	80.88%	Casey	D	0.762939215
12P_US_Senate	19.12%	Vodvarka	D	0.237060785
14G_Governor	54.93%	Wolf	D	0.473787844
14G_Governor	45.07%	Corbett	R	0.526212156
14P_Governor	16.84%	McCord	D	0.210634917
14P_Governor	7.66%	McGinty	D	0.105380952
14P_Governor	17.64%	Schwartz	D	0.062555559
14P_Governor	57.86%	Wolf	D	0.621428549
14P_Lt_Governor	15.88%	Critz	D	0.597515047
14P_Lt_Governor	11.91%	Koplinski	D	0.028815016
14P_Lt_Governor	10.84%	Neuman	D	0.156103358
14P_Lt_Governor	14.57%	Smith	D	0.060488403
14P_Lt_Governor	46.79%	Stack	D	0.157078177
16G_AG	51.39%	Shapiro	D	0.402599484
16G_AG	48.61%	Rafferty	R	0.597400486
16G_Auditor		Depasquale	D	0.445301324
16G_Auditor		Brown	R	0.554698706
16G_President	47.85%	Clinton	D	0.314536303
16G_President	48.58%	Trump	R	0.685463667
16G_Treasurer		Torsella	D	0.440336227
16G_Treasurer		Voit	R	0.559663773
16G_US_Senate	47.34%	McGinty	D	0.359113812
16G_US_Senate	48.77%	Toomey	R	0.640886188
16P_AG	16.22%	Morganelli	D	0.118016243
16P_AG	47.03%	Shapiro	D	0.259408861
16P_AG	36.74%	Zappala	D	0.622574925
16P_President	55.61%	Clinton	D	0.528324902
16P_President	0.86%	DeLaFuente	D	0.019890107
16P_President	43.53%	Sanders	D	0.451784968
16P_US_Senate	19.49%	Fetterman	D	0.282371491
16P_US_Senate	42.50%	McGinty	D	0.426935047
16P_US_Senate	32.57%	Sestak	D	0.252450764
16P_US_Senate	5.45%	Vodvarka	D	0.03824269

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.402909994
17G_Supreme_Court		Mundy	R	0.597090006
18G_Governor	57.77%	Wolf	D	0.446895689
18G_Governor	40.70%	Wagner	R	0.553104281
18G_US_Senator		Casey	D	0.434429139
18G_US_Senator		Barletta	R	0.565570831
18P_Lt_Governor	23.78%	Ahmad	D	0.087694421
18P_Lt_Governor	18.55%	Cozzone	D	0.161090836
18P_Lt_Governor	37.48%	Fetterman	D	0.681166172
18P_Lt_Governor	3.58%	Sosa	D	0.021319136
18P_Lt_Governor	16.62%	Stack	D	0.048729453
20G_AG		Shapiro	D	0.382807255
20G_AG		Heidelbaugh	R	0.617192745
20G_Auditor	46.35%	Ahmad	D	0.322182566
20G_Auditor	49.44%	Defoor	R	0.677817404
20G_President	50.01%	Biden	D	0.322804779
20G_President	48.84%	Trump	R	0.677195191
20G_Treasurer		Torsella	D	0.343171626
20G_Treasurer		Garrity	R	0.656828344
20P_Auditor	36.44%	Ahmad	D	0.085750818
20P_Auditor	7.47%	Conklin	D	0.17057167
20P_Auditor	5.99%	Davis	D	0.026168272
20P_Auditor	9.00%	Fountain	D	0.033207614
20P_Auditor	13.97%	Hartman	D	0.061765391
20P_Auditor	27.14%	Lamb	D	0.622536242
20P_President	79.26%	Biden	D	0.77750957
20P_President	2.70%	Gabbard	D	0.061361868
20P_President	18.04%	Sanders	D	0.161128551

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.644768536
12G_AG	41.56%	Freed	R	0.355231434
12G_Auditor		Depasquale	D	0.597599983
12G_Auditor		Maher	R	0.402400017
12G_President		Obama	D	0.588342786
12G_President		Romney	R	0.411657214
12G_Treasurer		McCord	D	0.61316818
12G_Treasurer		Vaughan	R	0.38683182
12G_US_Senate	53.69%	Casey	D	0.619753003
12G_US_Senate	44.59%	Smith	R	0.380247027
12P_AG	52.82%	Kane	D	0.507015944
12P_AG	47.18%	Murphy	D	0.492984056
12P_US_Senate	80.88%	Casey	D	0.74038738
12P_US_Senate	19.12%	Vodvarka	D	0.25961265
14G_Governor	54.93%	Wolf	D	0.603815019
14G_Governor	45.07%	Corbett	R	0.396184981
14P_Governor	16.84%	McCord	D	0.157209873
14P_Governor	7.66%	McGinty	D	0.103307635
14P_Governor	17.64%	Schwartz	D	0.1473497
14P_Governor	57.86%	Wolf	D	0.592132807
14P_Lt_Governor	15.88%	Critz	D	0.242303118
14P_Lt_Governor	11.91%	Koplinski	D	0.060612489
14P_Lt_Governor	10.84%	Neuman	D	0.34360674
14P_Lt_Governor	14.57%	Smith	D	0.059927233
14P_Lt_Governor	46.79%	Stack	D	0.293550432
16G_AG	51.39%	Shapiro	D	0.601594567
16G_AG	48.61%	Rafferty	R	0.398405403
16G_Auditor		Depasquale	D	0.654803932
16G_Auditor		Brown	R	0.345196038
16G_President	47.85%	Clinton	D	0.586012542
16G_President	48.58%	Trump	R	0.413987458
16G_Treasurer		Torsella	D	0.633953333
16G_Treasurer		Voit	R	0.366046667
16G_US_Senate	47.34%	McGinty	D	0.58270669
16G_US_Senate	48.77%	Toomey	R	0.41729328
16P_AG	16.22%	Morganelli	D	0.045863871
16P_AG	47.03%	Shapiro	D	0.243794665
16P_AG	36.74%	Zappala	D	0.710341454
16P_President	55.61%	Clinton	D	0.547124147
16P_President	0.86%	DeLaFuente	D	0.008706048
16P_President	43.53%	Sanders	D	0.444169819
16P_US_Senate	19.49%	Fetterman	D	0.392849863
16P_US_Senate	42.50%	McGinty	D	0.353248507
16P_US_Senate	32.57%	Sestak	D	0.195160255
16P_US_Senate	5.45%	Vodvarka	D	0.058741365

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.631011486
17G_Supreme_Court		Mundy	R	0.368988544
18G_Governor	57.77%	Wolf	D	0.68125248
18G_Governor	40.70%	Wagner	R	0.31874755
18G_US_Senator		Casey	D	0.669024765
18G_US_Senator		Barletta	R	0.330975205
18P_Lt_Governor	23.78%	Ahmad	D	0.152558804
18P_Lt_Governor	18.55%	Cozzone	D	0.072684929
18P_Lt_Governor	37.48%	Fetterman	D	0.734949529
18P_Lt_Governor	3.58%	Sosa	D	0.011239043
18P_Lt_Governor	16.62%	Stack	D	0.028567709
20G_AG		Shapiro	D	0.630473018
20G_AG		Heidelbaugh	R	0.369526953
20G_Auditor	46.35%	Ahmad	D	0.579994023
20G_Auditor	49.44%	Defoor	R	0.420005977
20G_President	50.01%	Biden	D	0.593113065
20G_President	48.84%	Trump	R	0.406886965
20G_Treasurer		Torsella	D	0.590120971
20G_Treasurer		Garrity	R	0.409878999
20P_Auditor	36.44%	Ahmad	D	0.128989488
20P_Auditor	7.47%	Conklin	D	0.013017913
20P_Auditor	5.99%	Davis	D	0.017397629
20P_Auditor	9.00%	Fountain	D	0.050594065
20P_Auditor	13.97%	Hartman	D	0.029498681
20P_Auditor	27.14%	Lamb	D	0.760502219
20P_President	79.26%	Biden	D	0.74919647
20P_President	2.70%	Gabbard	D	0.031434976
20P_President	18.04%	Sanders	D	0.219368562

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.483489871
12G_AG	41.56%	Freed	R	0.516510129
12G_Auditor		Depasquale	D	0.388247013
12G_Auditor		Maher	R	0.611752987
12G_President		Obama	D	0.386543214
12G_President		Romney	R	0.613456786
12G_Treasurer		McCord	D	0.425867975
12G_Treasurer		Vaughan	R	0.574132025
12G_US_Senate	53.69%	Casey	D	0.397937298
12G_US_Senate	44.59%	Smith	R	0.602062702
12P_AG	52.82%	Kane	D	0.592180789
12P_AG	47.18%	Murphy	D	0.407819241
12P_US_Senate	80.88%	Casey	D	0.790122688
12P_US_Senate	19.12%	Vodvarka	D	0.209877297
14G_Governor	54.93%	Wolf	D	0.453673899
14G_Governor	45.07%	Corbett	R	0.546326101
14P_Governor	16.84%	McCord	D	0.195234969
14P_Governor	7.66%	McGinty	D	0.113569647
14P_Governor	17.64%	Schwartz	D	0.084431179
14P_Governor	57.86%	Wolf	D	0.606764197
14P_Lt_Governor	15.88%	Critz	D	0.399265289
14P_Lt_Governor	11.91%	Koplinski	D	0.103909738
14P_Lt_Governor	10.84%	Neuman	D	0.08569929
14P_Lt_Governor	14.57%	Smith	D	0.221044347
14P_Lt_Governor	46.79%	Stack	D	0.190081343
16G_AG	51.39%	Shapiro	D	0.375553697
16G_AG	48.61%	Rafferty	R	0.624446332
16G_Auditor		Depasquale	D	0.391957313
16G_Auditor		Brown	R	0.608042717
16G_President	47.85%	Clinton	D	0.319383621
16G_President	48.58%	Trump	R	0.680616379
16G_Treasurer		Torsella	D	0.40103966
16G_Treasurer		Voit	R	0.59896034
16G_US_Senate	47.34%	McGinty	D	0.348392904
16G_US_Senate	48.77%	Toomey	R	0.651607096
16P_AG	16.22%	Morganelli	D	0.165361598
16P_AG	47.03%	Shapiro	D	0.404231906
16P_AG	36.74%	Zappala	D	0.430406481
16P_President	55.61%	Clinton	D	0.472426981
16P_President	0.86%	DeLaFuente	D	0.016881436
16P_President	43.53%	Sanders	D	0.510691583
16P_US_Senate	19.49%	Fetterman	D	0.234036908
16P_US_Senate	42.50%	McGinty	D	0.438219339
16P_US_Senate	32.57%	Sestak	D	0.272624552
16P_US_Senate	5.45%	Vodvarka	D	0.055119209

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.345782608
17G_Supreme_Court		Mundy	R	0.654217422
18G_Governor	57.77%	Wolf	D	0.422944427
18G_Governor	40.70%	Wagner	R	0.577055573
18G_US_Senator		Casey	D	0.41961658
18G_US_Senator		Barletta	R	0.58038342
18P_Lt_Governor	23.78%	Ahmad	D	0.151608452
18P_Lt_Governor	18.55%	Cozzone	D	0.199878126
18P_Lt_Governor	37.48%	Fetterman	D	0.543891728
18P_Lt_Governor	3.58%	Sosa	D	0.033002984
18P_Lt_Governor	16.62%	Stack	D	0.071618721
20G_AG		Shapiro	D	0.351659387
20G_AG		Heidelbaugh	R	0.648340642
20G_Auditor	46.35%	Ahmad	D	0.301401228
20G_Auditor	49.44%	Defoor	R	0.698598802
20G_President	50.01%	Biden	D	0.319229513
20G_President	48.84%	Trump	R	0.680770457
20G_Treasurer		Torsella	D	0.320227087
20G_Treasurer		Garrity	R	0.679772913
20P_Auditor	36.44%	Ahmad	D	0.096603848
20P_Auditor	7.47%	Conklin	D	0.407901257
20P_Auditor	5.99%	Davis	D	0.034126539
20P_Auditor	9.00%	Fountain	D	0.052988548
20P_Auditor	13.97%	Hartman	D	0.065530218
20P_Auditor	27.14%	Lamb	D	0.342849612
20P_President	79.26%	Biden	D	0.75793618
20P_President	2.70%	Gabbard	D	0.04800041
20P_President	18.04%	Sanders	D	0.194063425

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.51831156
12G_AG	41.56%	Freed	R	0.48168841
12G_Auditor		Depasquale	D	0.461258471
12G_Auditor		Maher	R	0.538741529
12G_President		Obama	D	0.472456664
12G_President		Romney	R	0.527543306
12G_Treasurer		McCord	D	0.49918434
12G_Treasurer		Vaughan	R	0.50081569
12G_US_Senate	53.69%	Casey	D	0.484381944
12G_US_Senate	44.59%	Smith	R	0.515618026
12P_AG	52.82%	Kane	D	0.676294923
12P_AG	47.18%	Murphy	D	0.323705077
12P_US_Senate	80.88%	Casey	D	0.771081805
12P_US_Senate	19.12%	Vodvarka	D	0.228918195
14G_Governor	54.93%	Wolf	D	0.494372994
14G_Governor	45.07%	Corbett	R	0.505626976
14P_Governor	16.84%	McCord	D	0.253456026
14P_Governor	7.66%	McGinty	D	0.088955924
14P_Governor	17.64%	Schwartz	D	0.072180383
14P_Governor	57.86%	Wolf	D	0.585407674
14P_Lt_Governor	15.88%	Critz	D	0.201421916
14P_Lt_Governor	11.91%	Koplinski	D	0.09240061
14P_Lt_Governor	10.84%	Neuman	D	0.219421729
14P_Lt_Governor	14.57%	Smith	D	0.273183376
14P_Lt_Governor	46.79%	Stack	D	0.213572383
16G_AG	51.39%	Shapiro	D	0.43208465
16G_AG	48.61%	Rafferty	R	0.56791532
16G_Auditor		Depasquale	D	0.453526556
16G_Auditor		Brown	R	0.546473444
16G_President	47.85%	Clinton	D	0.39651987
16G_President	48.58%	Trump	R	0.60348016
16G_Treasurer		Torsella	D	0.469420969
16G_Treasurer		Voit	R	0.530579031
16G_US_Senate	47.34%	McGinty	D	0.405000478
16G_US_Senate	48.77%	Toomey	R	0.594999552
16P_AG	16.22%	Morganelli	D	0.161735371
16P_AG	47.03%	Shapiro	D	0.353450328
16P_AG	36.74%	Zappala	D	0.484814316
16P_President	55.61%	Clinton	D	0.53915894
16P_President	0.86%	DeLaFuente	D	0.011827197
16P_President	43.53%	Sanders	D	0.449013859
16P_US_Senate	19.49%	Fetterman	D	0.243621975
16P_US_Senate	42.50%	McGinty	D	0.383876055
16P_US_Senate	32.57%	Sestak	D	0.300469756
16P_US_Senate	5.45%	Vodvarka	D	0.072032213

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.408272177
17G_Supreme_Court		Mundy	R	0.591727793
18G_Governor	57.77%	Wolf	D	0.508207023
18G_Governor	40.70%	Wagner	R	0.491792977
18G_US_Senator		Casey	D	0.493205756
18G_US_Senator		Barletta	R	0.506794274
18P_Lt_Governor	23.78%	Ahmad	D	0.10139481
18P_Lt_Governor	18.55%	Cozzone	D	0.189540118
18P_Lt_Governor	37.48%	Fetterman	D	0.634819686
18P_Lt_Governor	3.58%	Sosa	D	0.02483679
18P_Lt_Governor	16.62%	Stack	D	0.049408592
20G_AG		Shapiro	D	0.445187449
20G_AG		Heidelbaugh	R	0.554812551
20G_Auditor	46.35%	Ahmad	D	0.39084214
20G_Auditor	49.44%	Defoor	R	0.60915786
20G_President	50.01%	Biden	D	0.40707019
20G_President	48.84%	Trump	R	0.59292984
20G_Treasurer		Torsella	D	0.407859147
20G_Treasurer		Garrity	R	0.592140853
20P_Auditor	36.44%	Ahmad	D	0.124703042
20P_Auditor	7.47%	Conklin	D	0.073247775
20P_Auditor	5.99%	Davis	D	0.04837618
20P_Auditor	9.00%	Fountain	D	0.062285163
20P_Auditor	13.97%	Hartman	D	0.09725669
20P_Auditor	27.14%	Lamb	D	0.594131172
20P_President	79.26%	Biden	D	0.793257833
20P_President	2.70%	Gabbard	D	0.037448023
20P_President	18.04%	Sanders	D	0.169294149

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.58993375301361
12G_AG	41.56%	Freed	R	0.410066276788712
12G_Auditor		Depasquale	D	0.541594862937927
12G_Auditor		Maher	R	0.458405166864395
12G_President		Obama	D	0.520639777183532
12G_President		Romney	R	0.479360222816467
12G_Treasurer		McCord	D	0.567004203796386
12G_Treasurer		Vaughan	R	0.432995766401291
12G_US_Senate	53.69%	Casey	D	0.556414723396301
12G_US_Senate	44.59%	Smith	R	0.443585276603699
12P_AG	52.82%	Kane	D	0.545182883739471
12P_AG	47.18%	Murphy	D	0.454817146062851
12P_US_Senate	80.88%	Casey	D	0.700305998325347
12P_US_Senate	19.12%	Vodvarka	D	0.299694001674652
14G_Governor	54.93%	Wolf	D	0.535622775554656
14G_Governor	45.07%	Corbett	R	0.464377224445343
14P_Governor	16.84%	McCord	D	0.155345886945724
14P_Governor	7.66%	McGinty	D	0.108877144753933
14P_Governor	17.64%	Schwartz	D	0.110029801726341
14P_Governor	57.86%	Wolf	D	0.625747144222259
14P_Lt_Governor	15.88%	Critz	D	0.332880884408951
14P_Lt_Governor	11.91%	Koplinski	D	0.0500419698655605
14P_Lt_Governor	10.84%	Neuman	D	0.209865525364876
14P_Lt_Governor	14.57%	Smith	D	0.0790813118219376
14P_Lt_Governor	46.79%	Stack	D	0.328130304813385
16G_AG	51.39%	Shapiro	D	0.544776558876037
16G_AG	48.61%	Rafferty	R	0.455223441123962
16G_Auditor		Depasquale	D	0.609261929988861
16G_Auditor		Brown	R	0.390738070011139
16G_President	47.85%	Clinton	D	0.520913004875183
16G_President	48.58%	Trump	R	0.479086995124817
16G_Treasurer		Torsella	D	0.586189925670623
16G_Treasurer		Voit	R	0.413810074329376
16G_US_Senate	47.34%	McGinty	D	0.52139264345169
16G_US_Senate	48.77%	Toomey	R	0.478607356548309
16P_AG	16.22%	Morganelli	D	0.0441997274756432
16P_AG	47.03%	Shapiro	D	0.197910293936729
16P_AG	36.74%	Zappala	D	0.757889986038208
16P_President	55.61%	Clinton	D	0.562963366508483
16P_President	0.86%	DeLaFuente	D	0.010421902872622
16P_President	43.53%	Sanders	D	0.426614731550217
16P_US_Senate	19.49%	Fetterman	D	0.414677917957306
16P_US_Senate	42.50%	McGinty	D	0.338247388601303
16P_US_Senate	32.57%	Sestak	D	0.184845566749573
16P_US_Senate	5.45%	Vodvarka	D	0.0622291192412376

**Reconstituted Election Results for the Proposed Congressional Plan of the Gressman Math/Science Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.571326971054077
17G_Supreme_Court		Mundy	R	0.428673028945923
18G_Governor	57.77%	Wolf	D	0.632070481777191
18G_Governor	40.70%	Wagner	R	0.367929518222809
18G_US_Senator		Casey	D	0.614359021186828
18G_US_Senator		Barletta	R	0.385641008615494
18P_Lt_Governor	23.78%	Ahmad	D	0.107389278709888
18P_Lt_Governor	18.55%	Cozzone	D	0.0713334232568741
18P_Lt_Governor	37.48%	Fetterman	D	0.785430967807769
18P_Lt_Governor	3.58%	Sosa	D	0.0098783168941736
18P_Lt_Governor	16.62%	Stack	D	0.025968000292778
20G_AG		Shapiro	D	0.59172648191452
20G_AG		Heidelbaugh	R	0.408273488283157
20G_Auditor	46.35%	Ahmad	D	0.532403051853179
20G_Auditor	49.44%	Defoor	R	0.467596918344498
20G_President	50.01%	Biden	D	0.543248534202575
20G_President	48.84%	Trump	R	0.456751465797424
20G_Treasurer		Torsella	D	0.542155981063842
20G_Treasurer		Garrity	R	0.457844018936157
20P_Auditor	36.44%	Ahmad	D	0.118440747261047
20P_Auditor	7.47%	Conklin	D	0.0133991204202175
20P_Auditor	5.99%	Davis	D	0.0166261345148087
20P_Auditor	9.00%	Fountain	D	0.0396439358592035
20P_Auditor	13.97%	Hartman	D	0.0274374075233936
20P_Auditor	27.14%	Lamb	D	0.784452676773071
20P_President	79.26%	Biden	D	0.78534060716629
20P_President	2.70%	Gabbard	D	0.0359837301075456
20P_President	18.04%	Sanders	D	0.178675666451454

House Republicans

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.525990903
12G_AG	41.56%	Freed	R	0.474009067
12G_Auditor		Depasquale	D	0.478411883
12G_Auditor		Maher	R	0.521588147
12G_President		Obama	D	0.505682707
12G_President		Romney	R	0.494317323
12G_Treasurer		McCord	D	0.502035201
12G_Treasurer		Vaughan	R	0.497964799
12G_US_Senate	53.69%	Casey	D	0.521636128
12G_US_Senate	44.59%	Smith	R	0.478363872
12P_AG	52.82%	Kane	D	0.293728113
12P_AG	47.18%	Murphy	D	0.706271887
12P_US_Senate	80.88%	Casey	D	0.843414545
12P_US_Senate	19.12%	Vodvarka	D	0.15658547
14G_Governor	54.93%	Wolf	D	0.521051407
14G_Governor	45.07%	Corbett	R	0.478948593
14P_Governor	16.84%	McCord	D	0.157657981
14P_Governor	7.66%	McGinty	D	0.056374528
14P_Governor	17.64%	Schwartz	D	0.273291767
14P_Governor	57.86%	Wolf	D	0.512675703
14P_Lt_Governor	15.88%	Critz	D	0.035090111
14P_Lt_Governor	11.91%	Koplinski	D	0.112250187
14P_Lt_Governor	10.84%	Neuman	D	0.063227639
14P_Lt_Governor	14.57%	Smith	D	0.132917091
14P_Lt_Governor	46.79%	Stack	D	0.656515002
16G_AG	51.39%	Shapiro	D	0.506911635
16G_AG	48.61%	Rafferty	R	0.493088335
16G_Auditor		Depasquale	D	0.476849645
16G_Auditor		Brown	R	0.523150325
16G_President	47.85%	Clinton	D	0.504924536
16G_President	48.58%	Trump	R	0.495075494
16G_Treasurer		Torsella	D	0.503323376
16G_Treasurer		Voit	R	0.496676624
16G_US_Senate	47.34%	McGinty	D	0.471835494
16G_US_Senate	48.77%	Toomey	R	0.528164506
16P_AG	16.22%	Morganelli	D	0.16165182
16P_AG	47.03%	Shapiro	D	0.637891233
16P_AG	36.74%	Zappala	D	0.200456932
16P_President	55.61%	Clinton	D	0.554106414
16P_President	0.86%	DeLaFuente	D	0.009241857
16P_President	43.53%	Sanders	D	0.436651736
16P_US_Senate	19.49%	Fetterman	D	0.107646905
16P_US_Senate	42.50%	McGinty	D	0.433716506
16P_US_Senate	32.57%	Sestak	D	0.426271528
16P_US_Senate	5.45%	Vodvarka	D	0.03236508

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.485898316
17G_Supreme_Court		Mundy	R	0.514101684
18G_Governor	57.77%	Wolf	D	0.593805254
18G_Governor	40.70%	Wagner	R	0.406194746
18G_US_Senator		Casey	D	0.571799457
18G_US_Senator		Barletta	R	0.428200573
18P_Lt_Governor	23.78%	Ahmad	D	0.290332437
18P_Lt_Governor	18.55%	Cozzone	D	0.209310859
18P_Lt_Governor	37.48%	Fetterman	D	0.198059559
18P_Lt_Governor	3.58%	Sosa	D	0.086728767
18P_Lt_Governor	16.62%	Stack	D	0.215568379
20G_AG		Shapiro	D	0.527545035
20G_AG		Heidelbaugh	R	0.472454965
20G_Auditor	46.35%	Ahmad	D	0.48679772
20G_Auditor	49.44%	Defoor	R	0.51320225
20G_President	50.01%	Biden	D	0.524716139
20G_President	48.84%	Trump	R	0.475283861
20G_Treasurer		Torsella	D	0.50767678
20G_Treasurer		Garrity	R	0.49232322
20P_Auditor	36.44%	Ahmad	D	0.592245996
20P_Auditor	7.47%	Conklin	D	0.044233322
20P_Auditor	5.99%	Davis	D	0.044726998
20P_Auditor	9.00%	Fountain	D	0.087106295
20P_Auditor	13.97%	Hartman	D	0.157197237
20P_Auditor	27.14%	Lamb	D	0.074490145
20P_President	79.26%	Biden	D	0.818249404
20P_President	2.70%	Gabbard	D	0.020250317
20P_President	18.04%	Sanders	D	0.16150029

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.802554846
12G_AG	41.56%	Freed	R	0.197445154
12G_Auditor		Depasquale	D	0.768997014
12G_Auditor		Maher	R	0.231003001
12G_President		Obama	D	0.784602165
12G_President		Romney	R	0.215397865
12G_Treasurer		McCord	D	0.796027839
12G_Treasurer		Vaughan	R	0.203972161
12G_US_Senate	53.69%	Casey	D	0.802181721
12G_US_Senate	44.59%	Smith	R	0.197818294
12P_AG	52.82%	Kane	D	0.357752562
12P_AG	47.18%	Murphy	D	0.642247438
12P_US_Senate	80.88%	Casey	D	0.785882235
12P_US_Senate	19.12%	Vodvarka	D	0.214117765
14G_Governor	54.93%	Wolf	D	0.804862499
14G_Governor	45.07%	Corbett	R	0.195137531
14P_Governor	16.84%	McCord	D	0.140705422
14P_Governor	7.66%	McGinty	D	0.052319758
14P_Governor	17.64%	Schwartz	D	0.328082353
14P_Governor	57.86%	Wolf	D	0.478892446
14P_Lt_Governor	15.88%	Critz	D	0.039771169
14P_Lt_Governor	11.91%	Koplinski	D	0.034305081
14P_Lt_Governor	10.84%	Neuman	D	0.032404687
14P_Lt_Governor	14.57%	Smith	D	0.054915559
14P_Lt_Governor	46.79%	Stack	D	0.838603497
15G_Mayor		Kenney	D	0.776385188
15G_Mayor		Bailey	R	0.210972577
15G_Mayor		Foster	U	0.006735255
15G_Mayor		Hart	U	0.004468373
15G_Mayor		Kindij	U	0.001438598
15G_Sheriff		Williams	D	0.672532439
15G_Sheriff		Sawyer	R	0.327467561
15P_Mayor		Abraham	D	0.121130176
15P_Mayor		Diaz	D	0.067300156
15P_Mayor		Kenney	D	0.609454393
15P_Mayor		Oliver	D	0.032689732
15P_Mayor		Street	D	0.013508049
15P_Mayor		Williams	D	0.15591751
16G_AG	51.39%	Shapiro	D	0.777771175
16G_AG	48.61%	Rafferty	R	0.22222884
16G_Auditor		Depasquale	D	0.765209258
16G_Auditor		Brown	R	0.234790727
16G_Congress_Dist1		Brady	D	0.814303994
16G_Congress_Dist1		Williams	R	0.185696036
16G_President	47.85%	Clinton	D	0.760754168

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.239245847
16G_Treasurer		Torsella	D	0.791671336
16G_Treasurer		Voit	R	0.208328635
16G_US_Senate	47.34%	McGinty	D	0.74762249
16G_US_Senate	48.77%	Toomey	R	0.25237751
16P_AG	16.22%	Morganelli	D	0.122123979
16P_AG	47.03%	Shapiro	D	0.524416387
16P_AG	36.74%	Zappala	D	0.353459656
16P_Congress_Dist2		Evans	D	0.410430163
16P_Congress_Dist2		Fattah	D	0.402573168
16P_Congress_Dist2		Gordon	D	0.152425855
16P_Congress_Dist2		Muroff	D	0.034570809
16P_President	55.61%	Clinton	D	0.596338511
16P_President	0.86%	DeLaFuente	D	0.00696974
16P_President	43.53%	Sanders	D	0.39669174
16P_US_Senate	19.49%	Fetterman	D	0.202498063
16P_US_Senate	42.50%	McGinty	D	0.39288342
16P_US_Senate	32.57%	Sestak	D	0.279821843
16P_US_Senate	5.45%	Vodvarka	D	0.124796666
17G_Supreme_Court		Woodruff	D	0.658112407
17G_Supreme_Court		Mundy	R	0.341887593
17P_DA		Deni	D	0.019894009
17P_DA		Khan	D	0.213389635
17P_DA		Krasner	D	0.321823388
17P_DA		Negrin	D	0.180702195
17P_DA		ONeill	D	0.097917445
17P_DA		Shabazz	D	0.063987911
17P_DA		Untermeyer	D	0.10228543
18G_Congress_Dist2		Boyle	D	0.788195074
18G_Congress_Dist2		Torres	R	0.211804911
18G_Congress_Dist3		Evans	D	0.890405476
18G_Congress_Dist3		Leib	R	0.109594502
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.81489408
18G_Governor	40.70%	Wagner	R	0.18510589
18G_US_Senator		Casey	D	0.809268057
18G_US_Senator		Barletta	R	0.190731958
18P_Congress_Dist2		Boyle	D	0.645741105
18P_Congress_Dist2		Lawrence	D	0.354258895
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.223918393
18P_Lt_Governor	18.55%	Cozzone	D	0.154958442
18P_Lt_Governor	37.48%	Fetterman	D	0.194100991
18P_Lt_Governor	3.58%	Sosa	D	0.012663766
18P_Lt_Governor	16.62%	Stack	D	0.414358407
19P_Mayor		Butkovitz	D	0.14962998
19P_Mayor		Kenney	D	0.649208248
19P_Mayor		Williams	D	0.201161772
19P_Municipal_Judge		Brunson	D	0.417870104
19P_Municipal_Judge		Conroy	D	0.582129896
19P_Register_Wills		Donatucci	D	0.427675188
19P_Register_Wills		Gordon	D	0.422558129
19P_Register_Wills		Whaumbush	D	0.149766698
20G_AG		Shapiro	D	0.747692049
20G_AG		Heidelbaugh	R	0.252307981
20G_Auditor	46.35%	Ahmad	D	0.729546428
20G_Auditor	49.44%	Defoor	R	0.270453602
20G_Congress_Dist2		Boyle	D	0.72318989
20G_Congress_Dist2		Torres	R	0.27681011
20G_President	50.01%	Biden	D	0.727624357
20G_President	48.84%	Trump	R	0.272375673
20G_Treasurer		Torsella	D	0.735321283
20G_Treasurer		Garrity	R	0.264678717
20P_Auditor	36.44%	Ahmad	D	0.701585412
20P_Auditor	7.47%	Conklin	D	0.033825118
20P_Auditor	5.99%	Davis	D	0.054156173
20P_Auditor	9.00%	Fountain	D	0.056664478
20P_Auditor	13.97%	Hartman	D	0.057839256
20P_Auditor	27.14%	Lamb	D	0.095929556
20P_President	79.26%	Biden	D	0.772101581
20P_President	2.70%	Gabbard	D	0.021064365
20P_President	18.04%	Sanders	D	0.206834048
21G_Superior_Judge		Lane	D	0.652920663
21G_Superior_Judge		Sullivan	R	0.347079337
21P_DA		Krasner	D	0.509212196
21P_DA		Vega	D	0.490787804
21P_Superior_Judge		Beck	D	0.173678458
21P_Superior_Judge		Lane	D	0.778980792
21P_Superior_Judge		Neft	D	0.047340777

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.928390622
12G_AG	41.56%	Freed	R	0.071609385
12G_Auditor		Depasquale	D	0.916622818
12G_Auditor		Maher	R	0.08337716
12G_President		Obama	D	0.926415145
12G_President		Romney	R	0.073584847
12G_Treasurer		McCord	D	0.925436854
12G_Treasurer		Vaughan	R	0.074563153
12G_US_Senate	53.69%	Casey	D	0.929832935
12G_US_Senate	44.59%	Smith	R	0.070167057
12P_AG	52.82%	Kane	D	0.371577561
12P_AG	47.18%	Murphy	D	0.628422439
12P_US_Senate	80.88%	Casey	D	0.81180501
12P_US_Senate	19.12%	Vodvarka	D	0.18819496
14G_Governor	54.93%	Wolf	D	0.938594639
14G_Governor	45.07%	Corbett	R	0.061405368
14P_Governor	16.84%	McCord	D	0.159912705
14P_Governor	7.66%	McGinty	D	0.033710849
14P_Governor	17.64%	Schwartz	D	0.324858934
14P_Governor	57.86%	Wolf	D	0.481517524
14P_Lt_Governor	15.88%	Critz	D	0.034581728
14P_Lt_Governor	11.91%	Koplinski	D	0.033913992
14P_Lt_Governor	10.84%	Neuman	D	0.041809682
14P_Lt_Governor	14.57%	Smith	D	0.062181506
14P_Lt_Governor	46.79%	Stack	D	0.827513099
15G_Mayor		Kenney	D	0.909833491
15G_Mayor		Bailey	R	0.075294532
15G_Mayor		Foster	U	0.00759421
15G_Mayor		Hart	U	0.005909061
15G_Mayor		Kindij	U	0.001368724
15G_Sheriff		Williams	D	0.873082757
15G_Sheriff		Sawyer	R	0.126917228
15P_Mayor		Abraham	D	0.063809313
15P_Mayor		Diaz	D	0.02231976
15P_Mayor		Kenney	D	0.523302853
15P_Mayor		Oliver	D	0.049367931
15P_Mayor		Street	D	0.019059025
15P_Mayor		Williams	D	0.322141141
16G_AG	51.39%	Shapiro	D	0.913663089
16G_AG	48.61%	Rafferty	R	0.086336896
16G_Auditor		Depasquale	D	0.91032362
16G_Auditor		Brown	R	0.08967638
16G_Congress_Dist1		Brady	D	0.877453744
16G_Congress_Dist1		Williams	R	0.12254627
16G_President	47.85%	Clinton	D	0.923007727

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.076992281
16G_Treasurer		Torsella	D	0.918424845
16G_Treasurer		Voit	R	0.081575155
16G_US_Senate	47.34%	McGinty	D	0.903592348
16G_US_Senate	48.77%	Toomey	R	0.096407622
16P_AG	16.22%	Morganelli	D	0.092194304
16P_AG	47.03%	Shapiro	D	0.593687117
16P_AG	36.74%	Zappala	D	0.314118594
16P_Congress_Dist2		Evans	D	0.437597305
16P_Congress_Dist2		Fattah	D	0.364373565
16P_Congress_Dist2		Gordon	D	0.110137276
16P_Congress_Dist2		Muroff	D	0.087891839
16P_President	55.61%	Clinton	D	0.644202173
16P_President	0.86%	DeLaFuente	D	0.002437689
16P_President	43.53%	Sanders	D	0.353360146
16P_US_Senate	19.49%	Fetterman	D	0.171731338
16P_US_Senate	42.50%	McGinty	D	0.459113866
16P_US_Senate	32.57%	Sestak	D	0.263727248
16P_US_Senate	5.45%	Vodvarka	D	0.105427533
17G_Supreme_Court		Woodruff	D	0.902904391
17G_Supreme_Court		Mundy	R	0.097095639
17P_DA		Deni	D	0.012686486
17P_DA		Khan	D	0.199738398
17P_DA		Krasner	D	0.416982204
17P_DA		Negrin	D	0.120855995
17P_DA		ONeill	D	0.036633458
17P_DA		Shabazz	D	0.141911626
17P_DA		Untermeyer	D	0.07119184
18G_Congress_Dist2		Boyle	D	0.973101616
18G_Congress_Dist2		Torres	R	0.026898358
18G_Congress_Dist3		Evans	D	0.938946128
18G_Congress_Dist3		Leib	R	0.061053902
18G_Congress_Dist5		Scanlon	D	0.820798457
18G_Congress_Dist5		Kim	R	0.179201528
18G_Governor	57.77%	Wolf	D	0.941461682
18G_Governor	40.70%	Wagner	R	0.058538344
18G_US_Senator		Casey	D	0.939105511
18G_US_Senator		Barletta	R	0.060894515
18P_Congress_Dist2		Boyle	D	0.567352653
18P_Congress_Dist2		Lawrence	D	0.432647347
18P_Congress_Dist5		Arata	D	0.013405552
18P_Congress_Dist5		Davidson	D	0.015572106
18P_Congress_Dist5		Kirkland	D	0.01760325
18P_Congress_Dist5		Lazer	D	0.433310777
18P_Congress_Dist5		Li	D	0.121597834
18P_Congress_Dist5		Lunkenheimer	D	0.066215299
18P_Congress_Dist5		Scanlon	D	0.085985102

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.132430598
18P_Congress_Dist5		Vitali	D	0.03886256
18P_Congress_Dist5		Wright	D	0.075016923
18P_Lt_Governor	23.78%	Ahmad	D	0.306450158
18P_Lt_Governor	18.55%	Cozzone	D	0.157859966
18P_Lt_Governor	37.48%	Fetterman	D	0.171035856
18P_Lt_Governor	3.58%	Sosa	D	0.008290439
18P_Lt_Governor	16.62%	Stack	D	0.356363595
19P_Mayor		Butkovitz	D	0.054176055
19P_Mayor		Kenney	D	0.685617387
19P_Mayor		Williams	D	0.26020655
19P_Municipal_Judge		Brunson	D	0.462150872
19P_Municipal_Judge		Conroy	D	0.537849128
19P_Register_Wills		Donatucci	D	0.372283012
19P_Register_Wills		Gordon	D	0.459472507
19P_Register_Wills		Whaumbush	D	0.168244466
20G_AG		Shapiro	D	0.910348415
20G_AG		Heidelbaugh	R	0.089651592
20G_Auditor	46.35%	Ahmad	D	0.904204726
20G_Auditor	49.44%	Defoor	R	0.095795281
20G_Congress_Dist2		Boyle	D	0.949655175
20G_Congress_Dist2		Torres	R	0.050344829
20G_President	50.01%	Biden	D	0.910249054
20G_President	48.84%	Trump	R	0.089750946
20G_Treasurer		Torsella	D	0.902753651
20G_Treasurer		Garrity	R	0.097246379
20P_Auditor	36.44%	Ahmad	D	0.731785059
20P_Auditor	7.47%	Conklin	D	0.024742603
20P_Auditor	5.99%	Davis	D	0.047224283
20P_Auditor	9.00%	Fountain	D	0.06569428
20P_Auditor	13.97%	Hartman	D	0.033473238
20P_Auditor	27.14%	Lamb	D	0.097080514
20P_President	79.26%	Biden	D	0.804197848
20P_President	2.70%	Gabbard	D	0.010342695
20P_President	18.04%	Sanders	D	0.18545945
21G_Superior_Judge		Lane	D	0.912410975
21G_Superior_Judge		Sullivan	R	0.087588996
21P_DA		Krasner	D	0.775559306
21P_DA		Vega	D	0.224440664
21P_Superior_Judge		Beck	D	0.100792088
21P_Superior_Judge		Lane	D	0.875771701
21P_Superior_Judge		Neft	D	0.023436224

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.597225845
12G_AG	41.56%	Freed	R	0.402774155
12G_Auditor		Depasquale	D	0.552018225
12G_Auditor		Maher	R	0.447981805
12G_President		Obama	D	0.583456814
12G_President		Romney	R	0.416543186
12G_Treasurer		McCord	D	0.582140028
12G_Treasurer		Vaughan	R	0.417860001
12G_US_Senate	53.69%	Casey	D	0.602375031
12G_US_Senate	44.59%	Smith	R	0.397624969
12P_AG	52.82%	Kane	D	0.371124655
12P_AG	47.18%	Murphy	D	0.628875315
12P_US_Senate	80.88%	Casey	D	0.881304502
12P_US_Senate	19.12%	Vodvarka	D	0.118695512
14G_Governor	54.93%	Wolf	D	0.612579644
14G_Governor	45.07%	Corbett	R	0.387420386
14P_Governor	16.84%	McCord	D	0.158795863
14P_Governor	7.66%	McGinty	D	0.039183617
14P_Governor	17.64%	Schwartz	D	0.399315149
14P_Governor	57.86%	Wolf	D	0.402705371
14P_Lt_Governor	15.88%	Critz	D	0.027849533
14P_Lt_Governor	11.91%	Koplinski	D	0.092226349
14P_Lt_Governor	10.84%	Neuman	D	0.056082498
14P_Lt_Governor	14.57%	Smith	D	0.121670164
14P_Lt_Governor	46.79%	Stack	D	0.702171445
15G_Mayor		Kenney	D	0.677781463
15G_Mayor		Bailey	R	0.311654001
15G_Mayor		Foster	U	0.008253549
15G_Mayor		Hart	U	0.00165071
15G_Mayor		Kindij	U	0.000660284
15G_Sheriff		Williams	D	0.498929322
15G_Sheriff		Sawyer	R	0.501070678
15P_Mayor		Abraham	D	0.202708811
15P_Mayor		Diaz	D	0.018510157
15P_Mayor		Kenney	D	0.696162522
15P_Mayor		Oliver	D	0.00993228
15P_Mayor		Street	D	0.007223476
15P_Mayor		Williams	D	0.065462753
16G_AG	51.39%	Shapiro	D	0.606524825
16G_AG	48.61%	Rafferty	R	0.393475175
16G_Auditor		Depasquale	D	0.569482923
16G_Auditor		Brown	R	0.430517077
16G_Congress_Dist1		Brady	D	
16G_Congress_Dist1		Williams	R	
16G_President	47.85%	Clinton	D	0.624017835

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.375982195
16G_Treasurer		Torsella	D	0.601559818
16G_Treasurer		Voit	R	0.398440212
16G_US_Senate	47.34%	McGinty	D	0.568131566
16G_US_Senate	48.77%	Toomey	R	0.431868434
16P_AG	16.22%	Morganelli	D	0.052528273
16P_AG	47.03%	Shapiro	D	0.813125789
16P_AG	36.74%	Zappala	D	0.134345964
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.596805811
16P_President	0.86%	DeLaFuente	D	0.003349012
16P_President	43.53%	Sanders	D	0.399845183
16P_US_Senate	19.49%	Fetterman	D	0.098909654
16P_US_Senate	42.50%	McGinty	D	0.445229292
16P_US_Senate	32.57%	Sestak	D	0.446116775
16P_US_Senate	5.45%	Vodvarka	D	0.009744259
17G_Supreme_Court		Woodruff	D	0.584673762
17G_Supreme_Court		Mundy	R	0.415326208
17P_DA		Deni	D	0.022893773
17P_DA		Khan	D	0.247252747
17P_DA		Krasner	D	0.1437729
17P_DA		Negrin	D	0.26556778
17P_DA		ONeill	D	0.134615391
17P_DA		Shabazz	D	0.014652015
17P_DA		Untermeyer	D	0.171245426
18G_Congress_Dist2		Boyle	D	0.612505734
18G_Congress_Dist2		Torres	R	0.387494296
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.693143785
18G_Governor	40.70%	Wagner	R	0.306856215
18G_US_Senator		Casey	D	0.673958838
18G_US_Senator		Barletta	R	0.326041162
18P_Congress_Dist2		Boyle	D	0.804034591
18P_Congress_Dist2		Lawrence	D	0.195965424
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.315430254
18P_Lt_Governor	18.55%	Cozzone	D	0.150714427
18P_Lt_Governor	37.48%	Fetterman	D	0.255693048
18P_Lt_Governor	3.58%	Sosa	D	0.129329592
18P_Lt_Governor	16.62%	Stack	D	0.148832679
19P_Mayor		Butkovitz	D	0.276366442
19P_Mayor		Kenney	D	0.572748244
19P_Mayor		Williams	D	0.150885299
19P_Municipal_Judge		Brunson	D	0.390946507
19P_Municipal_Judge		Conroy	D	0.609053493
19P_Register_Wills		Donatucci	D	0.475576043
19P_Register_Wills		Gordon	D	0.406451613
19P_Register_Wills		Whaumbush	D	0.117972352
20G_AG		Shapiro	D	0.648074269
20G_AG		Heidelbaugh	R	0.351925731
20G_Auditor	46.35%	Ahmad	D	0.604714811
20G_Auditor	49.44%	Defoor	R	0.395285159
20G_Congress_Dist2		Boyle	D	0.542276144
20G_Congress_Dist2		Torres	R	0.457723826
20G_President	50.01%	Biden	D	0.643084586
20G_President	48.84%	Trump	R	0.356915385
20G_Treasurer		Torsella	D	0.621891439
20G_Treasurer		Garrity	R	0.378108591
20P_Auditor	36.44%	Ahmad	D	0.61330694
20P_Auditor	7.47%	Conklin	D	0.044728592
20P_Auditor	5.99%	Davis	D	0.041782249
20P_Auditor	9.00%	Fountain	D	0.075414866
20P_Auditor	13.97%	Hartman	D	0.15473631
20P_Auditor	27.14%	Lamb	D	0.070031025
20P_President	79.26%	Biden	D	0.823769808
20P_President	2.70%	Gabbard	D	0.01457089
20P_President	18.04%	Sanders	D	0.161659315
21G_Superior_Judge		Lane	D	0.436344624
21G_Superior_Judge		Sullivan	R	0.563655376
21P_DA		Krasner	D	0.269626409
21P_DA		Vega	D	0.730373561
21P_Superior_Judge		Beck	D	0.217780843
21P_Superior_Judge		Lane	D	0.698139191
21P_Superior_Judge		Neft	D	0.084079944

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.601714551
12G_AG	41.56%	Freed	R	0.398285478
12G_Auditor		Depasquale	D	0.550446093
12G_Auditor		Maher	R	0.449553907
12G_President		Obama	D	0.596909702
12G_President		Romney	R	0.403090268
12G_Treasurer		McCord	D	0.574433506
12G_Treasurer		Vaughan	R	0.425566494
12G_US_Senate	53.69%	Casey	D	0.611629188
12G_US_Senate	44.59%	Smith	R	0.388370782
12P_AG	52.82%	Kane	D	0.379821956
12P_AG	47.18%	Murphy	D	0.620178044
12P_US_Senate	80.88%	Casey	D	0.856167495
12P_US_Senate	19.12%	Vodvarka	D	0.143832505
14G_Governor	54.93%	Wolf	D	0.603031039
14G_Governor	45.07%	Corbett	R	0.396968931
14P_Governor	16.84%	McCord	D	0.173873812
14P_Governor	7.66%	McGinty	D	0.061659843
14P_Governor	17.64%	Schwartz	D	0.251474977
14P_Governor	57.86%	Wolf	D	0.512991369
14P_Lt_Governor	15.88%	Critz	D	0.038791735
14P_Lt_Governor	11.91%	Koplinski	D	0.100450449
14P_Lt_Governor	10.84%	Neuman	D	0.046767354
14P_Lt_Governor	14.57%	Smith	D	0.129358768
14P_Lt_Governor	46.79%	Stack	D	0.684631705
15G_Mayor		Kenney	D	0.862344563
15G_Mayor		Bailey	R	0.130423754
15G_Mayor		Foster	U	0.00469424
15G_Mayor		Hart	U	0.002283684
15G_Mayor		Kindij	U	0.000253743
15G_Sheriff		Williams	D	0.795222402
15G_Sheriff		Sawyer	R	0.204777598
15P_Mayor		Abraham	D	0.062581025
15P_Mayor		Diaz	D	0.011785503
15P_Mayor		Kenney	D	0.638067186
15P_Mayor		Oliver	D	0.022863878
15P_Mayor		Street	D	0.011431939
15P_Mayor		Williams	D	0.253270477
16G_AG	51.39%	Shapiro	D	0.577924252
16G_AG	48.61%	Rafferty	R	0.422075748
16G_Auditor		Depasquale	D	0.561750054
16G_Auditor		Brown	R	0.438249975
16G_Congress_Dist1		Brady	D	0.791106999
16G_Congress_Dist1		Williams	R	0.208893031
16G_President	47.85%	Clinton	D	0.613891959

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.386108071
16G_Treasurer		Torsella	D	0.586270273
16G_Treasurer		Voit	R	0.413729727
16G_US_Senate	47.34%	McGinty	D	0.560656846
16G_US_Senate	48.77%	Toomey	R	0.439343184
16P_AG	16.22%	Morganelli	D	0.106383435
16P_AG	47.03%	Shapiro	D	0.639735341
16P_AG	36.74%	Zappala	D	0.253881246
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.596210182
16P_President	0.86%	DeLaFuente	D	0.004596028
16P_President	43.53%	Sanders	D	0.399193794
16P_US_Senate	19.49%	Fetterman	D	0.075483114
16P_US_Senate	42.50%	McGinty	D	0.317350954
16P_US_Senate	32.57%	Sestak	D	0.574524581
16P_US_Senate	5.45%	Vodvarka	D	0.032641344
17G_Supreme_Court		Woodruff	D	0.515965581
17G_Supreme_Court		Mundy	R	0.484034449
17P_DA		Deni	D	0.013962446
17P_DA		Khan	D	0.142994702
17P_DA		Krasner	D	0.305007219
17P_DA		Negrin	D	0.179104477
17P_DA		ONeill	D	0.154309094
17P_DA		Shabazz	D	0.122051038
17P_DA		Untermeyer	D	0.082571015
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	0.780889928
18G_Congress_Dist5		Kim	R	0.219110072
18G_Governor	57.77%	Wolf	D	0.673850775
18G_Governor	40.70%	Wagner	R	0.326149225
18G_US_Senator		Casey	D	0.657160461
18G_US_Senator		Barletta	R	0.342839539
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.006709908
18P_Congress_Dist5		Davidson	D	0.030865578
18P_Congress_Dist5		Kirkland	D	0.039364796
18P_Congress_Dist5		Lazer	D	0.374636561
18P_Congress_Dist5		Li	D	0.129053906
18P_Congress_Dist5		Lunkenheimer	D	0.068888389
18P_Congress_Dist5		Scanlon	D	0.078505926

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.134869158
18P_Congress_Dist5		Vitali	D	0.044509057
18P_Congress_Dist5		Wright	D	0.092596732
18P_Lt_Governor	23.78%	Ahmad	D	0.346240819
18P_Lt_Governor	18.55%	Cozzone	D	0.29365474
18P_Lt_Governor	37.48%	Fetterman	D	0.164524615
18P_Lt_Governor	3.58%	Sosa	D	0.017118061
18P_Lt_Governor	16.62%	Stack	D	0.17846176
19P_Mayor		Butkovitz	D	0.118454076
19P_Mayor		Kenney	D	0.547097206
19P_Mayor		Williams	D	0.334448725
19P_Municipal_Judge		Brunson	D	0.369379252
19P_Municipal_Judge		Conroy	D	0.630620778
19P_Register_Wills		Donatucci	D	0.628480256
19P_Register_Wills		Gordon	D	0.292073071
19P_Register_Wills		Whaumbush	D	0.079446711
20G_AG		Shapiro	D	0.615077972
20G_AG		Heidelbaugh	R	0.384921998
20G_Auditor	46.35%	Ahmad	D	0.588210225
20G_Auditor	49.44%	Defoor	R	0.411789745
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.632624149
20G_President	48.84%	Trump	R	0.36737588
20G_Treasurer		Torsella	D	0.600275278
20G_Treasurer		Garrity	R	0.399724752
20P_Auditor	36.44%	Ahmad	D	0.644232035
20P_Auditor	7.47%	Conklin	D	0.036681641
20P_Auditor	5.99%	Davis	D	0.038574021
20P_Auditor	9.00%	Fountain	D	0.066577464
20P_Auditor	13.97%	Hartman	D	0.152040526
20P_Auditor	27.14%	Lamb	D	0.061894294
20P_President	79.26%	Biden	D	0.830522418
20P_President	2.70%	Gabbard	D	0.011823214
20P_President	18.04%	Sanders	D	0.15765439
21G_Superior_Judge		Lane	D	0.637432039
21G_Superior_Judge		Sullivan	R	0.362567931
21P_DA		Krasner	D	0.503331602
21P_DA		Vega	D	0.496668369
21P_Superior_Judge		Beck	D	0.155653134
21P_Superior_Judge		Lane	D	0.80043906
21P_Superior_Judge		Neft	D	0.043907795

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.531237304
12G_AG	41.56%	Freed	R	0.468762696
12G_Auditor		Depasquale	D	0.456108421
12G_Auditor		Maher	R	0.543891609
12G_President		Obama	D	0.501976728
12G_President		Romney	R	0.498023272
12G_Treasurer		McCord	D	0.494818866
12G_Treasurer		Vaughan	R	0.505181134
12G_US_Senate	53.69%	Casey	D	0.519113421
12G_US_Senate	44.59%	Smith	R	0.480886579
12P_AG	52.82%	Kane	D	0.489299774
12P_AG	47.18%	Murphy	D	0.510700226
12P_US_Senate	80.88%	Casey	D	0.833784401
12P_US_Senate	19.12%	Vodvarka	D	0.166215613
14G_Governor	54.93%	Wolf	D	0.517620027
14G_Governor	45.07%	Corbett	R	0.482379973
14P_Governor	16.84%	McCord	D	0.17445755
14P_Governor	7.66%	McGinty	D	0.081057429
14P_Governor	17.64%	Schwartz	D	0.160877571
14P_Governor	57.86%	Wolf	D	0.583607435
14P_Lt_Governor	15.88%	Critz	D	0.051616177
14P_Lt_Governor	11.91%	Koplinski	D	0.205313921
14P_Lt_Governor	10.84%	Neuman	D	0.057099339
14P_Lt_Governor	14.57%	Smith	D	0.173802674
14P_Lt_Governor	46.79%	Stack	D	0.512167871
16G_AG	51.39%	Shapiro	D	0.489280671
16G_AG	48.61%	Rafferty	R	0.510719299
16G_Auditor		Depasquale	D	0.470204771
16G_Auditor		Brown	R	0.529795229
16G_President	47.85%	Clinton	D	0.506538451
16G_President	48.58%	Trump	R	0.493461579
16G_Treasurer		Torsella	D	0.500241458
16G_Treasurer		Voit	R	0.499758542
16G_US_Senate	47.34%	McGinty	D	0.473730206
16G_US_Senate	48.77%	Toomey	R	0.526269794
16P_AG	16.22%	Morganelli	D	0.162158698
16P_AG	47.03%	Shapiro	D	0.612518728
16P_AG	36.74%	Zappala	D	0.225322589
16P_President	55.61%	Clinton	D	0.52396816
16P_President	0.86%	DeLaFuente	D	0.006388182
16P_President	43.53%	Sanders	D	0.469643652
16P_US_Senate	19.49%	Fetterman	D	0.088892765
16P_US_Senate	42.50%	McGinty	D	0.470572472
16P_US_Senate	32.57%	Sestak	D	0.415284365
16P_US_Senate	5.45%	Vodvarka	D	0.025250426

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.45837298
17G_Supreme_Court		Mundy	R	0.54162699
18G_Governor	57.77%	Wolf	D	0.588619709
18G_Governor	40.70%	Wagner	R	0.411380321
18G_US_Senator		Casey	D	0.569967151
18G_US_Senator		Barletta	R	0.430032849
18P_Lt_Governor	23.78%	Ahmad	D	0.200076178
18P_Lt_Governor	18.55%	Cozzone	D	0.504951358
18P_Lt_Governor	37.48%	Fetterman	D	0.159644902
18P_Lt_Governor	3.58%	Sosa	D	0.025928747
18P_Lt_Governor	16.62%	Stack	D	0.109398805
20G_AG		Shapiro	D	0.525163412
20G_AG		Heidelbaugh	R	0.474836588
20G_Auditor	46.35%	Ahmad	D	0.494221896
20G_Auditor	49.44%	Defoor	R	0.505778134
20G_President	50.01%	Biden	D	0.533556461
20G_President	48.84%	Trump	R	0.466443509
20G_Treasurer		Torsella	D	0.509410203
20G_Treasurer		Garrity	R	0.490589797
20P_Auditor	36.44%	Ahmad	D	0.366972923
20P_Auditor	7.47%	Conklin	D	0.045664791
20P_Auditor	5.99%	Davis	D	0.038946062
20P_Auditor	9.00%	Fountain	D	0.073868409
20P_Auditor	13.97%	Hartman	D	0.409228235
20P_Auditor	27.14%	Lamb	D	0.065319575
20P_President	79.26%	Biden	D	0.80330056
20P_President	2.70%	Gabbard	D	0.020962534
20P_President	18.04%	Sanders	D	0.175736889

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.558651388
12G_AG	41.56%	Freed	R	0.441348583
12G_Auditor		Depasquale	D	0.499711663
12G_Auditor		Maher	R	0.500288308
12G_President		Obama	D	0.521784782
12G_President		Romney	R	0.478215188
12G_Treasurer		McCord	D	0.531121612
12G_Treasurer		Vaughan	R	0.468878359
12G_US_Senate	53.69%	Casey	D	0.536112428
12G_US_Senate	44.59%	Smith	R	0.463887542
12P_AG	52.82%	Kane	D	0.489293516
12P_AG	47.18%	Murphy	D	0.510706484
12P_US_Senate	80.88%	Casey	D	0.81533581
12P_US_Senate	19.12%	Vodvarka	D	0.18466422
14G_Governor	54.93%	Wolf	D	0.540526569
14G_Governor	45.07%	Corbett	R	0.459473431
14P_Governor	16.84%	McCord	D	0.147359028
14P_Governor	7.66%	McGinty	D	0.058324654
14P_Governor	17.64%	Schwartz	D	0.151554823
14P_Governor	57.86%	Wolf	D	0.642761469
14P_Lt_Governor	15.88%	Critz	D	0.05636676
14P_Lt_Governor	11.91%	Koplinski	D	0.148700878
14P_Lt_Governor	10.84%	Neuman	D	0.075084105
14P_Lt_Governor	14.57%	Smith	D	0.229475349
14P_Lt_Governor	46.79%	Stack	D	0.490372926
16G_AG	51.39%	Shapiro	D	0.511057615
16G_AG	48.61%	Rafferty	R	0.488942385
16G_Auditor		Depasquale	D	0.487163693
16G_Auditor		Brown	R	0.512836277
16G_President	47.85%	Clinton	D	0.489086658
16G_President	48.58%	Trump	R	0.510913372
16G_Treasurer		Torsella	D	0.521570146
16G_Treasurer		Voit	R	0.478429824
16G_US_Senate	47.34%	McGinty	D	0.476817161
16G_US_Senate	48.77%	Toomey	R	0.523182809
16P_AG	16.22%	Morganelli	D	0.661731958
16P_AG	47.03%	Shapiro	D	0.247863024
16P_AG	36.74%	Zappala	D	0.090405002
16P_President	55.61%	Clinton	D	0.510316074
16P_President	0.86%	DeLaFuente	D	0.007846524
16P_President	43.53%	Sanders	D	0.481837422
16P_US_Senate	19.49%	Fetterman	D	0.110162616
16P_US_Senate	42.50%	McGinty	D	0.417873323
16P_US_Senate	32.57%	Sestak	D	0.433802694
16P_US_Senate	5.45%	Vodvarka	D	0.038161341

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.468947977
17G_Supreme_Court		Mundy	R	0.531052053
18G_Governor	57.77%	Wolf	D	0.583562016
18G_Governor	40.70%	Wagner	R	0.416437984
18G_US_Senator		Casey	D	0.556401789
18G_US_Senator		Barletta	R	0.443598211
18P_Lt_Governor	23.78%	Ahmad	D	0.291166782
18P_Lt_Governor	18.55%	Cozzone	D	0.243005916
18P_Lt_Governor	37.48%	Fetterman	D	0.189032078
18P_Lt_Governor	3.58%	Sosa	D	0.063027188
18P_Lt_Governor	16.62%	Stack	D	0.21376802
20G_AG		Shapiro	D	0.517647803
20G_AG		Heidelbaugh	R	0.482352227
20G_Auditor	46.35%	Ahmad	D	0.487867266
20G_Auditor	49.44%	Defoor	R	0.512132764
20G_President	50.01%	Biden	D	0.507649302
20G_President	48.84%	Trump	R	0.492350727
20G_Treasurer		Torsella	D	0.499794453
20G_Treasurer		Garrity	R	0.500205576
20P_Auditor	36.44%	Ahmad	D	0.343579769
20P_Auditor	7.47%	Conklin	D	0.084334709
20P_Auditor	5.99%	Davis	D	0.154011443
20P_Auditor	9.00%	Fountain	D	0.102989078
20P_Auditor	13.97%	Hartman	D	0.189910486
20P_Auditor	27.14%	Lamb	D	0.125174493
20P_President	79.26%	Biden	D	0.788341999
20P_President	2.70%	Gabbard	D	0.025103478
20P_President	18.04%	Sanders	D	0.186554492

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.609199762
12G_AG	41.56%	Freed	R	0.390800267
12G_Auditor		Depasquale	D	0.531205118
12G_Auditor		Maher	R	0.468794882
12G_President		Obama	D	0.540700972
12G_President		Romney	R	0.459298998
12G_Treasurer		McCord	D	0.562259078
12G_Treasurer		Vaughan	R	0.437740922
12G_US_Senate	53.69%	Casey	D	0.561868131
12G_US_Senate	44.59%	Smith	R	0.438131899
12P_AG	52.82%	Kane	D	0.773994386
12P_AG	47.18%	Murphy	D	0.226005614
12P_US_Senate	80.88%	Casey	D	0.910048246
12P_US_Senate	19.12%	Vodvarka	D	0.089951761
14G_Governor	54.93%	Wolf	D	0.55913502
14G_Governor	45.07%	Corbett	R	0.44086501
14P_Governor	16.84%	McCord	D	0.201061711
14P_Governor	7.66%	McGinty	D	0.092980728
14P_Governor	17.64%	Schwartz	D	0.065822907
14P_Governor	57.86%	Wolf	D	0.640134633
14P_Lt_Governor	15.88%	Critz	D	0.036477607
14P_Lt_Governor	11.91%	Koplinski	D	0.103277698
14P_Lt_Governor	10.84%	Neuman	D	0.072483197
14P_Lt_Governor	14.57%	Smith	D	0.378710061
14P_Lt_Governor	46.79%	Stack	D	0.409051418
16G_AG	51.39%	Shapiro	D	0.496453524
16G_AG	48.61%	Rafferty	R	0.503546476
16G_Auditor		Depasquale	D	0.511983395
16G_Auditor		Brown	R	0.488016635
16G_President	47.85%	Clinton	D	0.43637979
16G_President	48.58%	Trump	R	0.56362021
16G_Treasurer		Torsella	D	0.524441123
16G_Treasurer		Voit	R	0.475558907
16G_US_Senate	47.34%	McGinty	D	0.476476908
16G_US_Senate	48.77%	Toomey	R	0.523523092
16P_AG	16.22%	Morganelli	D	0.313092768
16P_AG	47.03%	Shapiro	D	0.440843135
16P_AG	36.74%	Zappala	D	0.246064112
16P_President	55.61%	Clinton	D	0.54048115
16P_President	0.86%	DeLaFuente	D	0.009720999
16P_President	43.53%	Sanders	D	0.449797839
16P_US_Senate	19.49%	Fetterman	D	0.085235737
16P_US_Senate	42.50%	McGinty	D	0.505579412
16P_US_Senate	32.57%	Sestak	D	0.376919985
16P_US_Senate	5.45%	Vodvarka	D	0.032264877

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.406301945
17G_Supreme_Court		Mundy	R	0.593698084
18G_Governor	57.77%	Wolf	D	0.542506754
18G_Governor	40.70%	Wagner	R	0.457493275
18G_US_Senator		Casey	D	0.512830257
18G_US_Senator		Barletta	R	0.487169743
18P_Lt_Governor	23.78%	Ahmad	D	0.271546841
18P_Lt_Governor	18.55%	Cozzone	D	0.174637452
18P_Lt_Governor	37.48%	Fetterman	D	0.203512296
18P_Lt_Governor	3.58%	Sosa	D	0.034325827
18P_Lt_Governor	16.62%	Stack	D	0.315977573
20G_AG		Shapiro	D	0.501188993
20G_AG		Heidelbaugh	R	0.498811036
20G_Auditor	46.35%	Ahmad	D	0.457656324
20G_Auditor	49.44%	Defoor	R	0.542343676
20G_President	50.01%	Biden	D	0.460179597
20G_President	48.84%	Trump	R	0.539820433
20G_Treasurer		Torsella	D	0.463918418
20G_Treasurer		Garrity	R	0.536081612
20P_Auditor	36.44%	Ahmad	D	0.222065032
20P_Auditor	7.47%	Conklin	D	0.074228823
20P_Auditor	5.99%	Davis	D	0.326942652
20P_Auditor	9.00%	Fountain	D	0.077217013
20P_Auditor	13.97%	Hartman	D	0.148722082
20P_Auditor	27.14%	Lamb	D	0.150824398
20P_President	79.26%	Biden	D	0.809856415
20P_President	2.70%	Gabbard	D	0.033445571
20P_President	18.04%	Sanders	D	0.156698033

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.495498806
12G_AG	41.56%	Freed	R	0.504501224
12G_Auditor		Depasquale	D	0.415282995
12G_Auditor		Maher	R	0.584716976
12G_President		Obama	D	0.412073433
12G_President		Romney	R	0.587926567
12G_Treasurer		McCord	D	0.449297428
12G_Treasurer		Vaughan	R	0.550702572
12G_US_Senate	53.69%	Casey	D	0.428799599
12G_US_Senate	44.59%	Smith	R	0.571200371
12P_AG	52.82%	Kane	D	0.706175447
12P_AG	47.18%	Murphy	D	0.293824553
12P_US_Senate	80.88%	Casey	D	0.868102491
12P_US_Senate	19.12%	Vodvarka	D	0.131897509
14G_Governor	54.93%	Wolf	D	0.469350517
14G_Governor	45.07%	Corbett	R	0.530649483
14P_Governor	16.84%	McCord	D	0.214221179
14P_Governor	7.66%	McGinty	D	0.095817156
14P_Governor	17.64%	Schwartz	D	0.073083781
14P_Governor	57.86%	Wolf	D	0.616877913
14P_Lt_Governor	15.88%	Critz	D	0.054857612
14P_Lt_Governor	11.91%	Koplinski	D	0.194604173
14P_Lt_Governor	10.84%	Neuman	D	0.053413272
14P_Lt_Governor	14.57%	Smith	D	0.340155333
14P_Lt_Governor	46.79%	Stack	D	0.356969625
16G_AG	51.39%	Shapiro	D	0.376869857
16G_AG	48.61%	Rafferty	R	0.623130143
16G_Auditor		Depasquale	D	0.381761134
16G_Auditor		Brown	R	0.618238866
16G_President	47.85%	Clinton	D	0.30318895
16G_President	48.58%	Trump	R	0.69681102
16G_Treasurer		Torsella	D	0.411795318
16G_Treasurer		Voit	R	0.588204682
16G_US_Senate	47.34%	McGinty	D	0.34980762
16G_US_Senate	48.77%	Toomey	R	0.65019238
16P_AG	16.22%	Morganelli	D	0.360629737
16P_AG	47.03%	Shapiro	D	0.417773038
16P_AG	36.74%	Zappala	D	0.221597254
16P_President	55.61%	Clinton	D	0.479742706
16P_President	0.86%	DeLaFuente	D	0.013641626
16P_President	43.53%	Sanders	D	0.506615698
16P_US_Senate	19.49%	Fetterman	D	0.127489388
16P_US_Senate	42.50%	McGinty	D	0.478036791
16P_US_Senate	32.57%	Sestak	D	0.355909735
16P_US_Senate	5.45%	Vodvarka	D	0.038564086

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.307946026
17G_Supreme_Court		Mundy	R	0.692053974
18G_Governor	57.77%	Wolf	D	0.424480796
18G_Governor	40.70%	Wagner	R	0.575519204
18G_US_Senator		Casey	D	0.375124693
18G_US_Senator		Barletta	R	0.624875307
18P_Lt_Governor	23.78%	Ahmad	D	0.218675524
18P_Lt_Governor	18.55%	Cozzone	D	0.197596744
18P_Lt_Governor	37.48%	Fetterman	D	0.270936131
18P_Lt_Governor	3.58%	Sosa	D	0.045144834
18P_Lt_Governor	16.62%	Stack	D	0.26764676
20G_AG		Shapiro	D	0.367149055
20G_AG		Heidelbaugh	R	0.632850945
20G_Auditor	46.35%	Ahmad	D	0.319302708
20G_Auditor	49.44%	Defoor	R	0.680697322
20G_President	50.01%	Biden	D	0.323096335
20G_President	48.84%	Trump	R	0.676903665
20G_Treasurer		Torsella	D	0.331707537
20G_Treasurer		Garrity	R	0.668292463
20P_Auditor	36.44%	Ahmad	D	0.195819601
20P_Auditor	7.47%	Conklin	D	0.186546862
20P_Auditor	5.99%	Davis	D	0.13050808
20P_Auditor	9.00%	Fountain	D	0.130239859
20P_Auditor	13.97%	Hartman	D	0.19486168
20P_Auditor	27.14%	Lamb	D	0.162023917
20P_President	79.26%	Biden	D	0.763179421
20P_President	2.70%	Gabbard	D	0.050838944
20P_President	18.04%	Sanders	D	0.185981616

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.464102417
12G_AG	41.56%	Freed	R	0.535897553
12G_Auditor		Depasquale	D	0.425222009
12G_Auditor		Maher	R	0.57477802
12G_President		Obama	D	0.421137333
12G_President		Romney	R	0.578862667
12G_Treasurer		McCord	D	0.432934642
12G_Treasurer		Vaughan	R	0.567065358
12G_US_Senate	53.69%	Casey	D	0.43817699
12G_US_Senate	44.59%	Smith	R	0.56182301
12P_AG	52.82%	Kane	D	0.657185197
12P_AG	47.18%	Murphy	D	0.342814803
12P_US_Senate	80.88%	Casey	D	0.84113133
12P_US_Senate	19.12%	Vodvarka	D	0.158868685
14G_Governor	54.93%	Wolf	D	0.442186534
14G_Governor	45.07%	Corbett	R	0.557813466
14P_Governor	16.84%	McCord	D	0.072228089
14P_Governor	7.66%	McGinty	D	0.064809926
14P_Governor	17.64%	Schwartz	D	0.047624078
14P_Governor	57.86%	Wolf	D	0.815337896
14P_Lt_Governor	15.88%	Critz	D	0.054042693
14P_Lt_Governor	11.91%	Koplinski	D	0.415588319
14P_Lt_Governor	10.84%	Neuman	D	0.056985017
14P_Lt_Governor	14.57%	Smith	D	0.117753021
14P_Lt_Governor	46.79%	Stack	D	0.355630934
16G_AG	51.39%	Shapiro	D	0.390989572
16G_AG	48.61%	Rafferty	R	0.609010458
16G_Auditor		Depasquale	D	0.449160695
16G_Auditor		Brown	R	0.550839305
16G_President	47.85%	Clinton	D	0.388179392
16G_President	48.58%	Trump	R	0.611820579
16G_Treasurer		Torsella	D	0.403208643
16G_Treasurer		Voit	R	0.596791387
16G_US_Senate	47.34%	McGinty	D	0.385437876
16G_US_Senate	48.77%	Toomey	R	0.614562094
16P_AG	16.22%	Morganelli	D	0.191008016
16P_AG	47.03%	Shapiro	D	0.561821997
16P_AG	36.74%	Zappala	D	0.247170001
16P_President	55.61%	Clinton	D	0.521731377
16P_President	0.86%	DeLaFuente	D	0.008624028
16P_President	43.53%	Sanders	D	0.469644606
16P_US_Senate	19.49%	Fetterman	D	0.158185333
16P_US_Senate	42.50%	McGinty	D	0.523556352
16P_US_Senate	32.57%	Sestak	D	0.28456372
16P_US_Senate	5.45%	Vodvarka	D	0.03369461

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.337352604
17G_Supreme_Court		Mundy	R	0.662647426
18G_Governor	57.77%	Wolf	D	0.489274085
18G_Governor	40.70%	Wagner	R	0.510725915
18G_US_Senator		Casey	D	0.45324263
18G_US_Senator		Barletta	R	0.5467574
18P_Lt_Governor	23.78%	Ahmad	D	0.350778878
18P_Lt_Governor	18.55%	Cozzone	D	0.176608413
18P_Lt_Governor	37.48%	Fetterman	D	0.350462258
18P_Lt_Governor	3.58%	Sosa	D	0.030648429
18P_Lt_Governor	16.62%	Stack	D	0.091502026
20G_AG		Shapiro	D	0.413074881
20G_AG		Heidelbaugh	R	0.586925089
20G_Auditor	46.35%	Ahmad	D	0.380227804
20G_Auditor	49.44%	Defoor	R	0.619772196
20G_President	50.01%	Biden	D	0.414123356
20G_President	48.84%	Trump	R	0.585876644
20G_Treasurer		Torsella	D	0.388190657
20G_Treasurer		Garrity	R	0.611809373
20P_Auditor	36.44%	Ahmad	D	0.190047711
20P_Auditor	7.47%	Conklin	D	0.09379103
20P_Auditor	5.99%	Davis	D	0.045230396
20P_Auditor	9.00%	Fountain	D	0.292068273
20P_Auditor	13.97%	Hartman	D	0.280844718
20P_Auditor	27.14%	Lamb	D	0.098017871
20P_President	79.26%	Biden	D	0.792706192
20P_President	2.70%	Gabbard	D	0.027692728
20P_President	18.04%	Sanders	D	0.179601058

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.440915495
12G_AG	41.56%	Freed	R	0.559084475
12G_Auditor		Depasquale	D	0.364446461
12G_Auditor		Maher	R	0.635553539
12G_President		Obama	D	0.395916671
12G_President		Romney	R	0.6040833
12G_Treasurer		McCord	D	0.393042386
12G_Treasurer		Vaughan	R	0.606957614
12G_US_Senate	53.69%	Casey	D	0.408580601
12G_US_Senate	44.59%	Smith	R	0.591419399
12P_AG	52.82%	Kane	D	0.571200967
12P_AG	47.18%	Murphy	D	0.428799063
12P_US_Senate	80.88%	Casey	D	0.863541722
12P_US_Senate	19.12%	Vodvarka	D	0.136458278
14G_Governor	54.93%	Wolf	D	0.40382269
14G_Governor	45.07%	Corbett	R	0.59617734
14P_Governor	16.84%	McCord	D	0.106101871
14P_Governor	7.66%	McGinty	D	0.085125409
14P_Governor	17.64%	Schwartz	D	0.102849707
14P_Governor	57.86%	Wolf	D	0.705923021
14P_Lt_Governor	15.88%	Critz	D	0.055220522
14P_Lt_Governor	11.91%	Koplinski	D	0.388838887
14P_Lt_Governor	10.84%	Neuman	D	0.050090007
14P_Lt_Governor	14.57%	Smith	D	0.104815483
14P_Lt_Governor	46.79%	Stack	D	0.4010351
16G_AG	51.39%	Shapiro	D	0.378359437
16G_AG	48.61%	Rafferty	R	0.621640563
16G_Auditor		Depasquale	D	0.399496645
16G_Auditor		Brown	R	0.600503385
16G_President	47.85%	Clinton	D	0.385178387
16G_President	48.58%	Trump	R	0.614821613
16G_Treasurer		Torsella	D	0.387309939
16G_Treasurer		Voit	R	0.612690091
16G_US_Senate	47.34%	McGinty	D	0.376338422
16G_US_Senate	48.77%	Toomey	R	0.623661578
16P_AG	16.22%	Morganelli	D	0.181068689
16P_AG	47.03%	Shapiro	D	0.589344144
16P_AG	36.74%	Zappala	D	0.229587197
16P_President	55.61%	Clinton	D	0.486169457
16P_President	0.86%	DeLaFuente	D	0.006205009
16P_President	43.53%	Sanders	D	0.50762552
16P_US_Senate	19.49%	Fetterman	D	0.156467021
16P_US_Senate	42.50%	McGinty	D	0.525938809
16P_US_Senate	32.57%	Sestak	D	0.308491528
16P_US_Senate	5.45%	Vodvarka	D	0.009102613

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.329131991
17G_Supreme_Court		Mundy	R	0.67086798
18G_Governor	57.77%	Wolf	D	0.476671815
18G_Governor	40.70%	Wagner	R	0.523328185
18G_US_Senator		Casey	D	0.445852309
18G_US_Senator		Barletta	R	0.55414772
18P_Lt_Governor	23.78%	Ahmad	D	0.385179758
18P_Lt_Governor	18.55%	Cozzone	D	0.227480233
18P_Lt_Governor	37.48%	Fetterman	D	0.282709718
18P_Lt_Governor	3.58%	Sosa	D	0.027635118
18P_Lt_Governor	16.62%	Stack	D	0.076995194
20G_AG		Shapiro	D	0.403542846
20G_AG		Heidelbaugh	R	0.596457183
20G_Auditor	46.35%	Ahmad	D	0.37357676
20G_Auditor	49.44%	Defoor	R	0.62642324
20G_President	50.01%	Biden	D	0.409898847
20G_President	48.84%	Trump	R	0.590101182
20G_Treasurer		Torsella	D	0.377822846
20G_Treasurer		Garrity	R	0.622177184
20P_Auditor	36.44%	Ahmad	D	0.128198043
20P_Auditor	7.47%	Conklin	D	0.034595862
20P_Auditor	5.99%	Davis	D	0.021492939
20P_Auditor	9.00%	Fountain	D	0.151469111
20P_Auditor	13.97%	Hartman	D	0.618047178
20P_Auditor	27.14%	Lamb	D	0.046196871
20P_President	79.26%	Biden	D	0.766283333
20P_President	2.70%	Gabbard	D	0.024536872
20P_President	18.04%	Sanders	D	0.209179804

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.507237256
12G_AG	41.56%	Freed	R	0.492762744
12G_Auditor		Depasquale	D	0.411491483
12G_Auditor		Maher	R	0.588508546
12G_President		Obama	D	0.396057755
12G_President		Romney	R	0.603942275
12G_Treasurer		McCord	D	0.449442118
12G_Treasurer		Vaughan	R	0.550557852
12G_US_Senate	53.69%	Casey	D	0.417039126
12G_US_Senate	44.59%	Smith	R	0.582960904
12P_AG	52.82%	Kane	D	0.605885088
12P_AG	47.18%	Murphy	D	0.394114882
12P_US_Senate	80.88%	Casey	D	0.799741805
12P_US_Senate	19.12%	Vodvarka	D	0.20025818
14G_Governor	54.93%	Wolf	D	0.47580573
14G_Governor	45.07%	Corbett	R	0.524194241
14P_Governor	16.84%	McCord	D	0.218085989
14P_Governor	7.66%	McGinty	D	0.111554936
14P_Governor	17.64%	Schwartz	D	0.077026024
14P_Governor	57.86%	Wolf	D	0.593333066
14P_Lt_Governor	15.88%	Critz	D	0.544757962
14P_Lt_Governor	11.91%	Koplinski	D	0.086232185
14P_Lt_Governor	10.84%	Neuman	D	0.063355155
14P_Lt_Governor	14.57%	Smith	D	0.165940583
14P_Lt_Governor	46.79%	Stack	D	0.139714092
16G_AG	51.39%	Shapiro	D	0.391806066
16G_AG	48.61%	Rafferty	R	0.608193934
16G_Auditor		Depasquale	D	0.411881596
16G_Auditor		Brown	R	0.588118374
16G_President	47.85%	Clinton	D	0.324425966
16G_President	48.58%	Trump	R	0.675574064
16G_Treasurer		Torsella	D	0.421642751
16G_Treasurer		Voit	R	0.57835722
16G_US_Senate	47.34%	McGinty	D	0.357894748
16G_US_Senate	48.77%	Toomey	R	0.642105281
16P_AG	16.22%	Morganelli	D	0.188522607
16P_AG	47.03%	Shapiro	D	0.404080987
16P_AG	36.74%	Zappala	D	0.407396436
16P_President	55.61%	Clinton	D	0.470941842
16P_President	0.86%	DeLaFuente	D	0.018841846
16P_President	43.53%	Sanders	D	0.510216296
16P_US_Senate	19.49%	Fetterman	D	0.222870335
16P_US_Senate	42.50%	McGinty	D	0.440830708
16P_US_Senate	32.57%	Sestak	D	0.279841036
16P_US_Senate	5.45%	Vodvarka	D	0.056457918

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.365772873
17G_Supreme_Court		Mundy	R	0.634227097
18G_Governor	57.77%	Wolf	D	0.429863453
18G_Governor	40.70%	Wagner	R	0.570136547
18G_US_Senator		Casey	D	0.430048496
18G_US_Senator		Barletta	R	0.569951534
18P_Lt_Governor	23.78%	Ahmad	D	0.134864956
18P_Lt_Governor	18.55%	Cozzone	D	0.215129197
18P_Lt_Governor	37.48%	Fetterman	D	0.545305729
18P_Lt_Governor	3.58%	Sosa	D	0.034315445
18P_Lt_Governor	16.62%	Stack	D	0.070384659
20G_AG		Shapiro	D	0.358370274
20G_AG		Heidelbaugh	R	0.641629755
20G_Auditor	46.35%	Ahmad	D	0.308597654
20G_Auditor	49.44%	Defoor	R	0.691402376
20G_President	50.01%	Biden	D	0.32325542
20G_President	48.84%	Trump	R	0.67674458
20G_Treasurer		Torsella	D	0.332150817
20G_Treasurer		Garrity	R	0.667849183
20P_Auditor	36.44%	Ahmad	D	0.086357176
20P_Auditor	7.47%	Conklin	D	0.470822781
20P_Auditor	5.99%	Davis	D	0.033782531
20P_Auditor	9.00%	Fountain	D	0.050441984
20P_Auditor	13.97%	Hartman	D	0.06326884
20P_Auditor	27.14%	Lamb	D	0.29532671
20P_President	79.26%	Biden	D	0.749612331
20P_President	2.70%	Gabbard	D	0.054193318
20P_President	18.04%	Sanders	D	0.196194351

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.423382014
12G_AG	41.56%	Freed	R	0.576618016
12G_Auditor		Depasquale	D	0.344504416
12G_Auditor		Maher	R	0.655495584
12G_President		Obama	D	0.359263361
12G_President		Romney	R	0.640736639
12G_Treasurer		McCord	D	0.384568721
12G_Treasurer		Vaughan	R	0.615431249
12G_US_Senate	53.69%	Casey	D	0.383019537
12G_US_Senate	44.59%	Smith	R	0.616980433
12P_AG	52.82%	Kane	D	0.630010188
12P_AG	47.18%	Murphy	D	0.369989812
12P_US_Senate	80.88%	Casey	D	0.836344898
12P_US_Senate	19.12%	Vodvarka	D	0.163655117
14G_Governor	54.93%	Wolf	D	0.398157626
14G_Governor	45.07%	Corbett	R	0.601842403
14P_Governor	16.84%	McCord	D	0.130949333
14P_Governor	7.66%	McGinty	D	0.097915329
14P_Governor	17.64%	Schwartz	D	0.073380373
14P_Governor	57.86%	Wolf	D	0.697754979
14P_Lt_Governor	15.88%	Critz	D	0.214261174
14P_Lt_Governor	11.91%	Koplinski	D	0.373711348
14P_Lt_Governor	10.84%	Neuman	D	0.055498283
14P_Lt_Governor	14.57%	Smith	D	0.117594503
14P_Lt_Governor	46.79%	Stack	D	0.238934711
16G_AG	51.39%	Shapiro	D	0.338836819
16G_AG	48.61%	Rafferty	R	0.661163211
16G_Auditor		Depasquale	D	0.363601774
16G_Auditor		Brown	R	0.636398256
16G_President	47.85%	Clinton	D	0.310062557
16G_President	48.58%	Trump	R	0.689937472
16G_Treasurer		Torsella	D	0.353247583
16G_Treasurer		Voit	R	0.646752417
16G_US_Senate	47.34%	McGinty	D	0.322165698
16G_US_Senate	48.77%	Toomey	R	0.677834332
16P_AG	16.22%	Morganelli	D	0.211950272
16P_AG	47.03%	Shapiro	D	0.523159087
16P_AG	36.74%	Zappala	D	0.264890671
16P_President	55.61%	Clinton	D	0.508709311
16P_President	0.86%	DeLaFuente	D	0.011944736
16P_President	43.53%	Sanders	D	0.479345918
16P_US_Senate	19.49%	Fetterman	D	0.148472935
16P_US_Senate	42.50%	McGinty	D	0.486525893
16P_US_Senate	32.57%	Sestak	D	0.326295376
16P_US_Senate	5.45%	Vodvarka	D	0.038705777

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.285191268
17G_Supreme_Court		Mundy	R	0.714808702
18G_Governor	57.77%	Wolf	D	0.408433765
18G_Governor	40.70%	Wagner	R	0.591566205
18G_US_Senator		Casey	D	0.381817192
18G_US_Senator		Barletta	R	0.618182838
18P_Lt_Governor	23.78%	Ahmad	D	0.304374754
18P_Lt_Governor	18.55%	Cozzone	D	0.215677708
18P_Lt_Governor	37.48%	Fetterman	D	0.350271374
18P_Lt_Governor	3.58%	Sosa	D	0.036243763
18P_Lt_Governor	16.62%	Stack	D	0.093432412
20G_AG		Shapiro	D	0.340584338
20G_AG		Heidelbaugh	R	0.659415662
20G_Auditor	46.35%	Ahmad	D	0.29940477
20G_Auditor	49.44%	Defoor	R	0.70059526
20G_President	50.01%	Biden	D	0.329980105
20G_President	48.84%	Trump	R	0.670019865
20G_Treasurer		Torsella	D	0.316360652
20G_Treasurer		Garrity	R	0.683639348
20P_Auditor	36.44%	Ahmad	D	0.145243332
20P_Auditor	7.47%	Conklin	D	0.23358798
20P_Auditor	5.99%	Davis	D	0.036606796
20P_Auditor	9.00%	Fountain	D	0.371450782
20P_Auditor	13.97%	Hartman	D	0.114851743
20P_Auditor	27.14%	Lamb	D	0.098259374
20P_President	79.26%	Biden	D	0.785327792
20P_President	2.70%	Gabbard	D	0.034977138
20P_President	18.04%	Sanders	D	0.17969504

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.500065148
12G_AG	41.56%	Freed	R	0.499934852
12G_Auditor		Depasquale	D	0.424883544
12G_Auditor		Maher	R	0.575116456
12G_President		Obama	D	0.377664119
12G_President		Romney	R	0.622335851
12G_Treasurer		McCord	D	0.446349442
12G_Treasurer		Vaughan	R	0.553650558
12G_US_Senate	53.69%	Casey	D	0.425204515
12G_US_Senate	44.59%	Smith	R	0.574795485
12P_AG	52.82%	Kane	D	0.597356081
12P_AG	47.18%	Murphy	D	0.402643949
12P_US_Senate	80.88%	Casey	D	0.749900401
12P_US_Senate	19.12%	Vodvarka	D	0.250099599
14G_Governor	54.93%	Wolf	D	0.457066745
14G_Governor	45.07%	Corbett	R	0.542933285
14P_Governor	16.84%	McCord	D	0.194457054
14P_Governor	7.66%	McGinty	D	0.105346307
14P_Governor	17.64%	Schwartz	D	0.066454895
14P_Governor	57.86%	Wolf	D	0.633741736
14P_Lt_Governor	15.88%	Critz	D	0.48351416
14P_Lt_Governor	11.91%	Koplinski	D	0.029472277
14P_Lt_Governor	10.84%	Neuman	D	0.236903653
14P_Lt_Governor	14.57%	Smith	D	0.067666657
14P_Lt_Governor	46.79%	Stack	D	0.182443246
16G_AG	51.39%	Shapiro	D	0.39423719
16G_AG	48.61%	Rafferty	R	0.605762839
16G_Auditor		Depasquale	D	0.438496888
16G_Auditor		Brown	R	0.561503112
16G_President	47.85%	Clinton	D	0.313828677
16G_President	48.58%	Trump	R	0.686171353
16G_Treasurer		Torsella	D	0.429967374
16G_Treasurer		Voit	R	0.570032656
16G_US_Senate	47.34%	McGinty	D	0.354547232
16G_US_Senate	48.77%	Toomey	R	0.645452738
16P_AG	16.22%	Morganelli	D	0.091892697
16P_AG	47.03%	Shapiro	D	0.237319365
16P_AG	36.74%	Zappala	D	0.67078793
16P_President	55.61%	Clinton	D	0.544262767
16P_President	0.86%	DeLaFuente	D	0.018497722
16P_President	43.53%	Sanders	D	0.437239498
16P_US_Senate	19.49%	Fetterman	D	0.300843179
16P_US_Senate	42.50%	McGinty	D	0.421476364
16P_US_Senate	32.57%	Sestak	D	0.240493938
16P_US_Senate	5.45%	Vodvarka	D	0.037186529

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.395103693
17G_Supreme_Court		Mundy	R	0.604896307
18G_Governor	57.77%	Wolf	D	0.444652528
18G_Governor	40.70%	Wagner	R	0.555347443
18G_US_Senator		Casey	D	0.430926442
18G_US_Senator		Barletta	R	0.569073558
18P_Lt_Governor	23.78%	Ahmad	D	0.096695654
18P_Lt_Governor	18.55%	Cozzone	D	0.138156518
18P_Lt_Governor	37.48%	Fetterman	D	0.699802876
18P_Lt_Governor	3.58%	Sosa	D	0.018875362
18P_Lt_Governor	16.62%	Stack	D	0.046469565
20G_AG		Shapiro	D	0.38227433
20G_AG		Heidelbaugh	R	0.61772567
20G_Auditor	46.35%	Ahmad	D	0.320943058
20G_Auditor	49.44%	Defoor	R	0.679056942
20G_President	50.01%	Biden	D	0.322392762
20G_President	48.84%	Trump	R	0.677607238
20G_Treasurer		Torsella	D	0.338843137
20G_Treasurer		Garrity	R	0.661156833
20P_Auditor	36.44%	Ahmad	D	0.090808988
20P_Auditor	7.47%	Conklin	D	0.090899669
20P_Auditor	5.99%	Davis	D	0.024224367
20P_Auditor	9.00%	Fountain	D	0.032929596
20P_Auditor	13.97%	Hartman	D	0.061117947
20P_Auditor	27.14%	Lamb	D	0.700019419
20P_President	79.26%	Biden	D	0.788316309
20P_President	2.70%	Gabbard	D	0.057295635
20P_President	18.04%	Sanders	D	0.15438807

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.701077104
12G_AG	41.56%	Freed	R	0.298922867
12G_Auditor		Depasquale	D	0.665206015
12G_Auditor		Maher	R	0.334793985
12G_President		Obama	D	0.651777744
12G_President		Romney	R	0.348222286
12G_Treasurer		McCord	D	0.688431621
12G_Treasurer		Vaughan	R	0.311568379
12G_US_Senate	53.69%	Casey	D	0.679518402
12G_US_Senate	44.59%	Smith	R	0.320481569
12P_AG	52.82%	Kane	D	0.515811086
12P_AG	47.18%	Murphy	D	0.484188944
12P_US_Senate	80.88%	Casey	D	0.724824905
12P_US_Senate	19.12%	Vodvarka	D	0.275175065
14G_Governor	54.93%	Wolf	D	0.660961866
14G_Governor	45.07%	Corbett	R	0.339038134
14P_Governor	16.84%	McCord	D	0.141775519
14P_Governor	7.66%	McGinty	D	0.102159992
14P_Governor	17.64%	Schwartz	D	0.152179465
14P_Governor	57.86%	Wolf	D	0.603885055
14P_Lt_Governor	15.88%	Critz	D	0.285399288
14P_Lt_Governor	11.91%	Koplinski	D	0.068188637
14P_Lt_Governor	10.84%	Neuman	D	0.215665683
14P_Lt_Governor	14.57%	Smith	D	0.071548566
14P_Lt_Governor	46.79%	Stack	D	0.359197825
16G_AG	51.39%	Shapiro	D	0.669165254
16G_AG	48.61%	Rafferty	R	0.330834746
16G_Auditor		Depasquale	D	0.725509346
16G_Auditor		Brown	R	0.274490684
16G_President	47.85%	Clinton	D	0.652810574
16G_President	48.58%	Trump	R	0.347189426
16G_Treasurer		Torsella	D	0.705176711
16G_Treasurer		Voit	R	0.294823259
16G_US_Senate	47.34%	McGinty	D	0.652835071
16G_US_Senate	48.77%	Toomey	R	0.347164929
16P_AG	16.22%	Morganelli	D	0.040345918
16P_AG	47.03%	Shapiro	D	0.242446527
16P_AG	36.74%	Zappala	D	0.717207551
16P_President	55.61%	Clinton	D	0.551465094
16P_President	0.86%	DeLaFuente	D	0.007402997
16P_President	43.53%	Sanders	D	0.44113192
16P_US_Senate	19.49%	Fetterman	D	0.447162271
16P_US_Senate	42.50%	McGinty	D	0.320811242
16P_US_Senate	32.57%	Sestak	D	0.176562354
16P_US_Senate	5.45%	Vodvarka	D	0.055464134

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.694458425
17G_Supreme_Court		Mundy	R	0.305541605
18G_Governor	57.77%	Wolf	D	0.744283199
18G_Governor	40.70%	Wagner	R	0.255716801
18G_US_Senator		Casey	D	0.731665134
18G_US_Senator		Barletta	R	0.268334895
18P_Lt_Governor	23.78%	Ahmad	D	0.138166755
18P_Lt_Governor	18.55%	Cozzone	D	0.058041725
18P_Lt_Governor	37.48%	Fetterman	D	0.769878805
18P_Lt_Governor	3.58%	Sosa	D	0.008919722
18P_Lt_Governor	16.62%	Stack	D	0.024993012
20G_AG		Shapiro	D	0.704188406
20G_AG		Heidelbaugh	R	0.295811564
20G_Auditor	46.35%	Ahmad	D	0.660119116
20G_Auditor	49.44%	Defoor	R	0.339880913
20G_President	50.01%	Biden	D	0.663791955
20G_President	48.84%	Trump	R	0.336208075
20G_Treasurer		Torsella	D	0.667486846
20G_Treasurer		Garrity	R	0.332513124
20P_Auditor	36.44%	Ahmad	D	0.13887763
20P_Auditor	7.47%	Conklin	D	0.010033667
20P_Auditor	5.99%	Davis	D	0.017158832
20P_Auditor	9.00%	Fountain	D	0.05267841
20P_Auditor	13.97%	Hartman	D	0.02383245
20P_Auditor	27.14%	Lamb	D	0.75741899
20P_President	79.26%	Biden	D	0.749338388
20P_President	2.70%	Gabbard	D	0.02913864
20P_President	18.04%	Sanders	D	0.221523002

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.509069145
12G_AG	41.56%	Freed	R	0.490930825
12G_Auditor		Depasquale	D	0.447081268
12G_Auditor		Maher	R	0.552918732
12G_President		Obama	D	0.46425733
12G_President		Romney	R	0.53574264
12G_Treasurer		McCord	D	0.487814456
12G_Treasurer		Vaughan	R	0.512185514
12G_US_Senate	53.69%	Casey	D	0.471608162
12G_US_Senate	44.59%	Smith	R	0.528391838
12P_AG	52.82%	Kane	D	0.683552802
12P_AG	47.18%	Murphy	D	0.316447169
12P_US_Senate	80.88%	Casey	D	0.774507046
12P_US_Senate	19.12%	Vodvarka	D	0.225492954
14G_Governor	54.93%	Wolf	D	0.486931235
14G_Governor	45.07%	Corbett	R	0.513068795
14P_Governor	16.84%	McCord	D	0.253918856
14P_Governor	7.66%	McGinty	D	0.089658804
14P_Governor	17.64%	Schwartz	D	0.072244219
14P_Governor	57.86%	Wolf	D	0.58417815
14P_Lt_Governor	15.88%	Critz	D	0.1699889
14P_Lt_Governor	11.91%	Koplinski	D	0.097320348
14P_Lt_Governor	10.84%	Neuman	D	0.217299148
14P_Lt_Governor	14.57%	Smith	D	0.301372617
14P_Lt_Governor	46.79%	Stack	D	0.214018971
16G_AG	51.39%	Shapiro	D	0.420367986
16G_AG	48.61%	Rafferty	R	0.579631984
16G_Auditor		Depasquale	D	0.437154025
16G_Auditor		Brown	R	0.562845945
16G_President	47.85%	Clinton	D	0.386762738
16G_President	48.58%	Trump	R	0.613237262
16G_Treasurer		Torsella	D	0.455782622
16G_Treasurer		Voit	R	0.544217348
16G_US_Senate	47.34%	McGinty	D	0.395470768
16G_US_Senate	48.77%	Toomey	R	0.604529262
16P_AG	16.22%	Morganelli	D	0.168402821
16P_AG	47.03%	Shapiro	D	0.370666921
16P_AG	36.74%	Zappala	D	0.460930258
16P_President	55.61%	Clinton	D	0.531508327
16P_President	0.86%	DeLaFuente	D	0.012416041
16P_President	43.53%	Sanders	D	0.456075639
16P_US_Senate	19.49%	Fetterman	D	0.240352243
16P_US_Senate	42.50%	McGinty	D	0.378146529
16P_US_Senate	32.57%	Sestak	D	0.310141981
16P_US_Senate	5.45%	Vodvarka	D	0.071359254

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.396720588
17G_Supreme_Court		Mundy	R	0.603279412
18G_Governor	57.77%	Wolf	D	0.49595201
18G_Governor	40.70%	Wagner	R	0.50404799
18G_US_Senator		Casey	D	0.481049597
18G_US_Senator		Barletta	R	0.518950403
18P_Lt_Governor	23.78%	Ahmad	D	0.103322536
18P_Lt_Governor	18.55%	Cozzone	D	0.194915473
18P_Lt_Governor	37.48%	Fetterman	D	0.624627054
18P_Lt_Governor	3.58%	Sosa	D	0.025142157
18P_Lt_Governor	16.62%	Stack	D	0.051992759
20G_AG		Shapiro	D	0.432711661
20G_AG		Heidelbaugh	R	0.567288339
20G_Auditor	46.35%	Ahmad	D	0.379094124
20G_Auditor	49.44%	Defoor	R	0.620905876
20G_President	50.01%	Biden	D	0.397377551
20G_President	48.84%	Trump	R	0.602622449
20G_Treasurer		Torsella	D	0.395507246
20G_Treasurer		Garrity	R	0.604492784
20P_Auditor	36.44%	Ahmad	D	0.127174348
20P_Auditor	7.47%	Conklin	D	0.078059517
20P_Auditor	5.99%	Davis	D	0.050740786
20P_Auditor	9.00%	Fountain	D	0.064182892
20P_Auditor	13.97%	Hartman	D	0.099140771
20P_Auditor	27.14%	Lamb	D	0.580701709
20P_President	79.26%	Biden	D	0.793767095
20P_President	2.70%	Gabbard	D	0.036293995
20P_President	18.04%	Sanders	D	0.169938937

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.528958023
12G_AG	41.56%	Freed	R	0.471041977
12G_Auditor		Depasquale	D	0.470727772
12G_Auditor		Maher	R	0.529272258
12G_President		Obama	D	0.452045858
12G_President		Romney	R	0.547954142
12G_Treasurer		McCord	D	0.493591964
12G_Treasurer		Vaughan	R	0.506408036
12G_US_Senate	53.69%	Casey	D	0.492803931
12G_US_Senate	44.59%	Smith	R	0.507196069
12P_AG	52.82%	Kane	D	0.548192203
12P_AG	47.18%	Murphy	D	0.451807797
12P_US_Senate	80.88%	Casey	D	0.714505315
12P_US_Senate	19.12%	Vodvarka	D	0.285494655
14G_Governor	54.93%	Wolf	D	0.481924295
14G_Governor	45.07%	Corbett	R	0.518075705
14P_Governor	16.84%	McCord	D	0.177558973
14P_Governor	7.66%	McGinty	D	0.110765629
14P_Governor	17.64%	Schwartz	D	0.097886793
14P_Governor	57.86%	Wolf	D	0.613788605
14P_Lt_Governor	15.88%	Critz	D	0.31453225
14P_Lt_Governor	11.91%	Koplinski	D	0.041893177
14P_Lt_Governor	10.84%	Neuman	D	0.310732991
14P_Lt_Governor	14.57%	Smith	D	0.073338315
14P_Lt_Governor	46.79%	Stack	D	0.259503275
16G_AG	51.39%	Shapiro	D	0.475917518
16G_AG	48.61%	Rafferty	R	0.524082482
16G_Auditor		Depasquale	D	0.536982715
16G_Auditor		Brown	R	0.463017285
16G_President	47.85%	Clinton	D	0.451439083
16G_President	48.58%	Trump	R	0.548560917
16G_Treasurer		Torsella	D	0.514516532
16G_Treasurer		Voit	R	0.485483468
16G_US_Senate	47.34%	McGinty	D	0.449428171
16G_US_Senate	48.77%	Toomey	R	0.550571799
16P_AG	16.22%	Morganelli	D	0.051176682
16P_AG	47.03%	Shapiro	D	0.194373071
16P_AG	36.74%	Zappala	D	0.754450262
16P_President	55.61%	Clinton	D	0.557348371
16P_President	0.86%	DeLaFuente	D	0.011821447
16P_President	43.53%	Sanders	D	0.430830181
16P_US_Senate	19.49%	Fetterman	D	0.338908225
16P_US_Senate	42.50%	McGinty	D	0.385324508
16P_US_Senate	32.57%	Sestak	D	0.207859755
16P_US_Senate	5.45%	Vodvarka	D	0.06790752

**Reconstituted Election Results for the Proposed Congressional Plan of the House Republicans
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.50708431
17G_Supreme_Court		Mundy	R	0.49291569
18G_Governor	57.77%	Wolf	D	0.572989941
18G_Governor	40.70%	Wagner	R	0.42701003
18G_US_Senator		Casey	D	0.554529488
18G_US_Senator		Barletta	R	0.445470512
18P_Lt_Governor	23.78%	Ahmad	D	0.118610278
18P_Lt_Governor	18.55%	Cozzone	D	0.092891216
18P_Lt_Governor	37.48%	Fetterman	D	0.746671677
18P_Lt_Governor	3.58%	Sosa	D	0.012886231
18P_Lt_Governor	16.62%	Stack	D	0.028940624
20G_AG		Shapiro	D	0.5253281
20G_AG		Heidelbaugh	R	0.47467193
20G_Auditor	46.35%	Ahmad	D	0.459627807
20G_Auditor	49.44%	Defoor	R	0.540372193
20G_President	50.01%	Biden	D	0.478361398
20G_President	48.84%	Trump	R	0.521638632
20G_Treasurer		Torsella	D	0.472084105
20G_Treasurer		Garrity	R	0.527915895
20P_Auditor	36.44%	Ahmad	D	0.104234405
20P_Auditor	7.47%	Conklin	D	0.017989136
20P_Auditor	5.99%	Davis	D	0.017283861
20P_Auditor	9.00%	Fountain	D	0.035575259
20P_Auditor	13.97%	Hartman	D	0.036619436
20P_Auditor	27.14%	Lamb	D	0.788297892
20P_President	79.26%	Biden	D	0.790268779
20P_President	2.70%	Gabbard	D	0.039638173
20P_President	18.04%	Sanders	D	0.170093045

Governor Wolf

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.524070621
12G_AG	41.56%	Freed	R	0.47592935
12G_Auditor		Depasquale	D	0.47611928
12G_Auditor		Maher	R	0.52388072
12G_President		Obama	D	0.504062712
12G_President		Romney	R	0.495937288
12G_Treasurer		McCord	D	0.500428498
12G_Treasurer		Vaughan	R	0.499571502
12G_US_Senate	53.69%	Casey	D	0.520085752
12G_US_Senate	44.59%	Smith	R	0.479914248
12P_AG	52.82%	Kane	D	0.296894044
12P_AG	47.18%	Murphy	D	0.703105927
12P_US_Senate	80.88%	Casey	D	0.843417346
12P_US_Senate	19.12%	Vodvarka	D	0.156582654
14G_Governor	54.93%	Wolf	D	0.520766795
14G_Governor	45.07%	Corbett	R	0.479233235
14P_Governor	16.84%	McCord	D	0.158084616
14P_Governor	7.66%	McGinty	D	0.055989802
14P_Governor	17.64%	Schwartz	D	0.279564202
14P_Governor	57.86%	Wolf	D	0.506361365
14P_Lt_Governor	15.88%	Critz	D	0.035021652
14P_Lt_Governor	11.91%	Koplinski	D	0.11170885
14P_Lt_Governor	10.84%	Neuman	D	0.063291818
14P_Lt_Governor	14.57%	Smith	D	0.133362025
14P_Lt_Governor	46.79%	Stack	D	0.656615674
16G_AG	51.39%	Shapiro	D	0.507400811
16G_AG	48.61%	Rafferty	R	0.492599159
16G_Auditor		Depasquale	D	0.47571674
16G_Auditor		Brown	R	0.52428323
16G_President	47.85%	Clinton	D	0.50558424
16G_President	48.58%	Trump	R	0.49441576
16G_Treasurer		Torsella	D	0.502768636
16G_Treasurer		Voit	R	0.497231394
16G_US_Senate	47.34%	McGinty	D	0.47140646
16G_US_Senate	48.77%	Toomey	R	0.52859354
16P_AG	16.22%	Morganelli	D	0.156957343
16P_AG	47.03%	Shapiro	D	0.646744549
16P_AG	36.74%	Zappala	D	0.196298137
16P_President	55.61%	Clinton	D	0.552951336
16P_President	0.86%	DeLaFuente	D	0.009030458
16P_President	43.53%	Sanders	D	0.438018233
16P_US_Senate	19.49%	Fetterman	D	0.107769124
16P_US_Senate	42.50%	McGinty	D	0.435718209
16P_US_Senate	32.57%	Sestak	D	0.426006794
16P_US_Senate	5.45%	Vodvarka	D	0.030505871

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.486898363
17G_Supreme_Court		Mundy	R	0.513101637
18G_Governor	57.77%	Wolf	D	0.594993889
18G_Governor	40.70%	Wagner	R	0.405006081
18G_US_Senator		Casey	D	0.572749853
18G_US_Senator		Barletta	R	0.427250147
18P_Lt_Governor	23.78%	Ahmad	D	0.291226536
18P_Lt_Governor	18.55%	Cozzone	D	0.207801312
18P_Lt_Governor	37.48%	Fetterman	D	0.198921606
18P_Lt_Governor	3.58%	Sosa	D	0.090180203
18P_Lt_Governor	16.62%	Stack	D	0.211870357
20G_AG		Shapiro	D	0.529762805
20G_AG		Heidelbaugh	R	0.470237195
20G_Auditor	46.35%	Ahmad	D	0.487923652
20G_Auditor	49.44%	Defoor	R	0.512076378
20G_President	50.01%	Biden	D	0.526827097
20G_President	48.84%	Trump	R	0.473172873
20G_Treasurer		Torsella	D	0.509198904
20G_Treasurer		Garrity	R	0.490801126
20P_Auditor	36.44%	Ahmad	D	0.589600503
20P_Auditor	7.47%	Conklin	D	0.045205805
20P_Auditor	5.99%	Davis	D	0.045140918
20P_Auditor	9.00%	Fountain	D	0.087588951
20P_Auditor	13.97%	Hartman	D	0.157776907
20P_Auditor	27.14%	Lamb	D	0.074686915
20P_President	79.26%	Biden	D	0.817885101
20P_President	2.70%	Gabbard	D	0.020284437
20P_President	18.04%	Sanders	D	0.16183044

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.789660037
12G_AG	41.56%	Freed	R	0.210339949
12G_Auditor		Depasquale	D	0.75699091
12G_Auditor		Maher	R	0.24300909
12G_President		Obama	D	0.771615982
12G_President		Romney	R	0.228383988
12G_Treasurer		McCord	D	0.783968449
12G_Treasurer		Vaughan	R	0.216031522
12G_US_Senate	53.69%	Casey	D	0.789425373
12G_US_Senate	44.59%	Smith	R	0.210574627
12P_AG	52.82%	Kane	D	0.355693221
12P_AG	47.18%	Murphy	D	0.644306779
12P_US_Senate	80.88%	Casey	D	0.779548466
12P_US_Senate	19.12%	Vodvarka	D	0.220451534
14G_Governor	54.93%	Wolf	D	0.788303256
14G_Governor	45.07%	Corbett	R	0.211696714
14P_Governor	16.84%	McCord	D	0.132561654
14P_Governor	7.66%	McGinty	D	0.051251002
14P_Governor	17.64%	Schwartz	D	0.325100183
14P_Governor	57.86%	Wolf	D	0.491087168
14P_Lt_Governor	15.88%	Critz	D	0.040638462
14P_Lt_Governor	11.91%	Koplinski	D	0.032305464
14P_Lt_Governor	10.84%	Neuman	D	0.033070326
14P_Lt_Governor	14.57%	Smith	D	0.056056518
14P_Lt_Governor	46.79%	Stack	D	0.837929249
15G_Mayor		Kenney	D	0.771017313
15G_Mayor		Bailey	R	0.217864111
15G_Mayor		Foster	U	0.006087926
15G_Mayor		Hart	U	0.00376429
15G_Mayor		Kindij	U	0.001266382
15G_Sheriff		Williams	D	0.674106598
15G_Sheriff		Sawyer	R	0.325893432
15P_Mayor		Abraham	D	0.119259298
15P_Mayor		Diaz	D	0.070026509
15P_Mayor		Kenney	D	0.590244472
15P_Mayor		Oliver	D	0.033567201
15P_Mayor		Street	D	0.014152586
15P_Mayor		Williams	D	0.172749907
16G_AG	51.39%	Shapiro	D	0.760230839
16G_AG	48.61%	Rafferty	R	0.239769146
16G_Auditor		Depasquale	D	0.746664822
16G_Auditor		Brown	R	0.253335178
16G_Congress_Dist1		Brady	D	0.811993837
16G_Congress_Dist1		Williams	R	0.188006163
16G_President	47.85%	Clinton	D	0.736641705

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.263358265
16G_Treasurer		Torsella	D	0.775172293
16G_Treasurer		Voit	R	0.224827707
16G_US_Senate	47.34%	McGinty	D	0.727412581
16G_US_Senate	48.77%	Toomey	R	0.272587448
16P_AG	16.22%	Morganelli	D	0.129160836
16P_AG	47.03%	Shapiro	D	0.503808141
16P_AG	36.74%	Zappala	D	0.367031038
16P_Congress_Dist2		Evans	D	0.429542363
16P_Congress_Dist2		Fattah	D	0.419347525
16P_Congress_Dist2		Gordon	D	0.133590087
16P_Congress_Dist2		Muroff	D	0.017520012
16P_President	55.61%	Clinton	D	0.606424272
16P_President	0.86%	DeLaFuente	D	0.007447708
16P_President	43.53%	Sanders	D	0.386128008
16P_US_Senate	19.49%	Fetterman	D	0.197626218
16P_US_Senate	42.50%	McGinty	D	0.389657408
16P_US_Senate	32.57%	Sestak	D	0.278240025
16P_US_Senate	5.45%	Vodvarka	D	0.134476334
17G_Supreme_Court		Woodruff	D	0.613021016
17G_Supreme_Court		Mundy	R	0.386978984
17P_DA		Deni	D	0.02532417
17P_DA		Khan	D	0.198912933
17P_DA		Krasner	D	0.274861068
17P_DA		Negrin	D	0.192234576
17P_DA		ONeill	D	0.113190994
17P_DA		Shabazz	D	0.079043582
17P_DA		Untermeyer	D	0.116432682
18G_Congress_Dist2		Boyle	D	0.790169418
18G_Congress_Dist2		Torres	R	0.209830582
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.791111887
18G_Governor	40.70%	Wagner	R	0.208888113
18G_US_Senator		Casey	D	0.784610927
18G_US_Senator		Barletta	R	0.215389088
18P_Congress_Dist2		Boyle	D	0.645664334
18P_Congress_Dist2		Lawrence	D	0.354335666
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.187127933
18P_Lt_Governor	18.55%	Cozzone	D	0.165535241
18P_Lt_Governor	37.48%	Fetterman	D	0.158381194
18P_Lt_Governor	3.58%	Sosa	D	0.015613577
18P_Lt_Governor	16.62%	Stack	D	0.473342031
19P_Mayor		Butkovitz	D	0.16391018
19P_Mayor		Kenney	D	0.607701302
19P_Mayor		Williams	D	0.228388488
19P_Municipal_Judge		Brunson	D	0.441544533
19P_Municipal_Judge		Conroy	D	0.558455467
19P_Register_Wills		Donatucci	D	0.437736332
19P_Register_Wills		Gordon	D	0.411419392
19P_Register_Wills		Whaumbush	D	0.150844246
20G_AG		Shapiro	D	0.721754909
20G_AG		Heidelbaugh	R	0.278245091
20G_Auditor	46.35%	Ahmad	D	0.70210588
20G_Auditor	49.44%	Defoor	R	0.29789412
20G_Congress_Dist2		Boyle	D	0.72522229
20G_Congress_Dist2		Torres	R	0.27477774
20G_President	50.01%	Biden	D	0.697614968
20G_President	48.84%	Trump	R	0.302385002
20G_Treasurer		Torsella	D	0.708527803
20G_Treasurer		Garrity	R	0.291472197
20P_Auditor	36.44%	Ahmad	D	0.696647882
20P_Auditor	7.47%	Conklin	D	0.036161944
20P_Auditor	5.99%	Davis	D	0.059143692
20P_Auditor	9.00%	Fountain	D	0.054773353
20P_Auditor	13.97%	Hartman	D	0.052098107
20P_Auditor	27.14%	Lamb	D	0.101175033
20P_President	79.26%	Biden	D	0.788459897
20P_President	2.70%	Gabbard	D	0.02298343
20P_President	18.04%	Sanders	D	0.188556656
21G_Superior_Judge		Lane	D	0.609038472
21G_Superior_Judge		Sullivan	R	0.390961528
21P_DA		Krasner	D	0.462353021
21P_DA		Vega	D	0.537646949
21P_Superior_Judge		Beck	D	0.18299745
21P_Superior_Judge		Lane	D	0.7661044
21P_Superior_Judge		Neft	D	0.050898142

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.924756229
12G_AG	41.56%	Freed	R	0.075243771
12G_Auditor		Depasquale	D	0.910340428
12G_Auditor		Maher	R	0.089659579
12G_President		Obama	D	0.923435152
12G_President		Romney	R	0.076564826
12G_Treasurer		McCord	D	0.920216084
12G_Treasurer		Vaughan	R	0.079783909
12G_US_Senate	53.69%	Casey	D	0.926117361
12G_US_Senate	44.59%	Smith	R	0.07388261
12P_AG	52.82%	Kane	D	0.373177201
12P_AG	47.18%	Murphy	D	0.62682277
12P_US_Senate	80.88%	Casey	D	0.81535399
12P_US_Senate	19.12%	Vodvarka	D	0.18464601
14G_Governor	54.93%	Wolf	D	0.936171412
14G_Governor	45.07%	Corbett	R	0.06382861
14P_Governor	16.84%	McCord	D	0.165007651
14P_Governor	7.66%	McGinty	D	0.034799937
14P_Governor	17.64%	Schwartz	D	0.32448855
14P_Governor	57.86%	Wolf	D	0.475703865
14P_Lt_Governor	15.88%	Critz	D	0.033805877
14P_Lt_Governor	11.91%	Koplinski	D	0.035639219
14P_Lt_Governor	10.84%	Neuman	D	0.041104209
14P_Lt_Governor	14.57%	Smith	D	0.061854828
14P_Lt_Governor	46.79%	Stack	D	0.82759589
15G_Mayor		Kenney	D	0.902576804
15G_Mayor		Bailey	R	0.08146061
15G_Mayor		Foster	U	0.008268171
15G_Mayor		Hart	U	0.006208485
15G_Mayor		Kindij	U	0.001485917
15G_Sheriff		Williams	D	0.859448969
15G_Sheriff		Sawyer	R	0.140551046
15P_Mayor		Abraham	D	0.06936872
15P_Mayor		Diaz	D	0.023068903
15P_Mayor		Kenney	D	0.524710119
15P_Mayor		Oliver	D	0.049723174
15P_Mayor		Street	D	0.019103166
15P_Mayor		Williams	D	0.314025879
16G_AG	51.39%	Shapiro	D	0.912331164
16G_AG	48.61%	Rafferty	R	0.087668829
16G_Auditor		Depasquale	D	0.907483041
16G_Auditor		Brown	R	0.092516936
16G_Congress_Dist1		Brady	D	0.873140991
16G_Congress_Dist1		Williams	R	0.126858979
16G_President	47.85%	Clinton	D	0.927486539

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.072513469
16G_Treasurer		Torsella	D	0.915154755
16G_Treasurer		Voit	R	0.084845245
16G_US_Senate	47.34%	McGinty	D	0.902916431
16G_US_Senate	48.77%	Toomey	R	0.097083598
16P_AG	16.22%	Morganelli	D	0.090464897
16P_AG	47.03%	Shapiro	D	0.614931226
16P_AG	36.74%	Zappala	D	0.294603884
16P_Congress_Dist2		Evans	D	0.436555058
16P_Congress_Dist2		Fattah	D	0.361939669
16P_Congress_Dist2		Gordon	D	0.110949159
16P_Congress_Dist2		Muroff	D	0.090556137
16P_President	55.61%	Clinton	D	0.638515532
16P_President	0.86%	DeLaFuente	D	0.002293492
16P_President	43.53%	Sanders	D	0.359190941
16P_US_Senate	19.49%	Fetterman	D	0.173349485
16P_US_Senate	42.50%	McGinty	D	0.459122509
16P_US_Senate	32.57%	Sestak	D	0.26884976
16P_US_Senate	5.45%	Vodvarka	D	0.098678254
17G_Supreme_Court		Woodruff	D	0.9027071
17G_Supreme_Court		Mundy	R	0.097292885
17P_DA		Deni	D	0.010990367
17P_DA		Khan	D	0.210145682
17P_DA		Krasner	D	0.431224793
17P_DA		Negrin	D	0.121311627
17P_DA		ONeill	D	0.026213638
17P_DA		Shabazz	D	0.132501304
17P_DA		Untermeyer	D	0.067612588
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.933808029
18G_Congress_Dist3		Leib	R	0.066191986
18G_Congress_Dist5		Scanlon	D	0.898112416
18G_Congress_Dist5		Kim	R	0.101887561
18G_Governor	57.77%	Wolf	D	0.943524182
18G_Governor	40.70%	Wagner	R	0.056475803
18G_US_Senator		Casey	D	0.94107151
18G_US_Senator		Barletta	R	0.058928505
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.012804097
18P_Congress_Dist5		Davidson	D	0.033290654
18P_Congress_Dist5		Kirkland	D	0.044814341
18P_Congress_Dist5		Lazer	D	0.233034566
18P_Congress_Dist5		Li	D	0.103072986
18P_Congress_Dist5		Lunkenheimer	D	0.12227913
18P_Congress_Dist5		Scanlon	D	0.110115238

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.187580019
18P_Congress_Dist5		Vitali	D	0.044174135
18P_Congress_Dist5		Wright	D	0.108834825
18P_Lt_Governor	23.78%	Ahmad	D	0.31886664
18P_Lt_Governor	18.55%	Cozzone	D	0.153081164
18P_Lt_Governor	37.48%	Fetterman	D	0.187286839
18P_Lt_Governor	3.58%	Sosa	D	0.008090597
18P_Lt_Governor	16.62%	Stack	D	0.332674742
19P_Mayor		Butkovitz	D	0.052011754
19P_Mayor		Kenney	D	0.703111827
19P_Mayor		Williams	D	0.244876429
19P_Municipal_Judge		Brunson	D	0.454808027
19P_Municipal_Judge		Conroy	D	0.545192003
19P_Register_Wills		Donatucci	D	0.364354819
19P_Register_Wills		Gordon	D	0.466339469
19P_Register_Wills		Whaumbush	D	0.169305697
20G_AG		Shapiro	D	0.913841307
20G_AG		Heidelbaugh	R	0.0861587
20G_Auditor	46.35%	Ahmad	D	0.906952143
20G_Auditor	49.44%	Defoor	R	0.093047872
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.917571187
20G_President	48.84%	Trump	R	0.082428806
20G_Treasurer		Torsella	D	0.905867159
20G_Treasurer		Garrity	R	0.094132841
20P_Auditor	36.44%	Ahmad	D	0.732776821
20P_Auditor	7.47%	Conklin	D	0.023920463
20P_Auditor	5.99%	Davis	D	0.04446141
20P_Auditor	9.00%	Fountain	D	0.066130735
20P_Auditor	13.97%	Hartman	D	0.038432173
20P_Auditor	27.14%	Lamb	D	0.094278403
20P_President	79.26%	Biden	D	0.797688961
20P_President	2.70%	Gabbard	D	0.009712256
20P_President	18.04%	Sanders	D	0.192598805
21G_Superior_Judge		Lane	D	0.917351723
21G_Superior_Judge		Sullivan	R	0.082648307
21P_DA		Krasner	D	0.784741282
21P_DA		Vega	D	0.215258703
21P_Superior_Judge		Beck	D	0.100907378
21P_Superior_Judge		Lane	D	0.875267029
21P_Superior_Judge		Neft	D	0.023825608

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.574503958
12G_AG	41.56%	Freed	R	0.425496072
12G_Auditor		Depasquale	D	0.521143854
12G_Auditor		Maher	R	0.478856176
12G_President		Obama	D	0.554512262
12G_President		Romney	R	0.445487738
12G_Treasurer		McCord	D	0.553528249
12G_Treasurer		Vaughan	R	0.446471781
12G_US_Senate	53.69%	Casey	D	0.572862029
12G_US_Senate	44.59%	Smith	R	0.427137941
12P_AG	52.82%	Kane	D	0.41057542
12P_AG	47.18%	Murphy	D	0.589424551
12P_US_Senate	80.88%	Casey	D	0.861814857
12P_US_Senate	19.12%	Vodvarka	D	0.138185173
14G_Governor	54.93%	Wolf	D	0.583761811
14G_Governor	45.07%	Corbett	R	0.416238159
14P_Governor	16.84%	McCord	D	0.147769809
14P_Governor	7.66%	McGinty	D	0.041819517
14P_Governor	17.64%	Schwartz	D	0.363620967
14P_Governor	57.86%	Wolf	D	0.446789712
14P_Lt_Governor	15.88%	Critz	D	0.034438435
14P_Lt_Governor	11.91%	Koplinski	D	0.108456694
14P_Lt_Governor	10.84%	Neuman	D	0.06174098
14P_Lt_Governor	14.57%	Smith	D	0.137465656
14P_Lt_Governor	46.79%	Stack	D	0.657898247
16G_AG	51.39%	Shapiro	D	0.564372897
16G_AG	48.61%	Rafferty	R	0.435627133
16G_Auditor		Depasquale	D	0.530310392
16G_Auditor		Brown	R	0.469689578
16G_President	47.85%	Clinton	D	0.57113874
16G_President	48.58%	Trump	R	0.42886126
16G_Treasurer		Torsella	D	0.563714683
16G_Treasurer		Voit	R	0.436285287
16G_US_Senate	47.34%	McGinty	D	0.52885139
16G_US_Senate	48.77%	Toomey	R	0.47114861
16P_AG	16.22%	Morganelli	D	0.08387161
16P_AG	47.03%	Shapiro	D	0.772918642
16P_AG	36.74%	Zappala	D	0.143209755
16P_President	55.61%	Clinton	D	0.568647742
16P_President	0.86%	DeLaFuente	D	0.004529069
16P_President	43.53%	Sanders	D	0.426823169
16P_US_Senate	19.49%	Fetterman	D	0.100330912
16P_US_Senate	42.50%	McGinty	D	0.450771481
16P_US_Senate	32.57%	Sestak	D	0.436827213
16P_US_Senate	5.45%	Vodvarka	D	0.012070409

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.53883177
17G_Supreme_Court		Mundy	R	0.46116823
18G_Governor	57.77%	Wolf	D	0.652300954
18G_Governor	40.70%	Wagner	R	0.347699076
18G_US_Senator		Casey	D	0.632339299
18G_US_Senator		Barletta	R	0.367660671
18P_Lt_Governor	23.78%	Ahmad	D	0.310596287
18P_Lt_Governor	18.55%	Cozzone	D	0.172129944
18P_Lt_Governor	37.48%	Fetterman	D	0.231741011
18P_Lt_Governor	3.58%	Sosa	D	0.132057756
18P_Lt_Governor	16.62%	Stack	D	0.153475016
20G_AG		Shapiro	D	0.601895034
20G_AG		Heidelbaugh	R	0.398104936
20G_Auditor	46.35%	Ahmad	D	0.559469998
20G_Auditor	49.44%	Defoor	R	0.440530032
20G_President	50.01%	Biden	D	0.59388715
20G_President	48.84%	Trump	R	0.40611285
20G_Treasurer		Torsella	D	0.576129377
20G_Treasurer		Garrity	R	0.423870593
20P_Auditor	36.44%	Ahmad	D	0.579127491
20P_Auditor	7.47%	Conklin	D	0.048931889
20P_Auditor	5.99%	Davis	D	0.044035062
20P_Auditor	9.00%	Fountain	D	0.077257045
20P_Auditor	13.97%	Hartman	D	0.18319422
20P_Auditor	27.14%	Lamb	D	0.067454286
20P_President	79.26%	Biden	D	0.813776314
20P_President	2.70%	Gabbard	D	0.017539904
20P_President	18.04%	Sanders	D	0.168683752

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.640751541
12G_AG	41.56%	Freed	R	0.359248459
12G_Auditor		Depasquale	D	0.596459985
12G_Auditor		Maher	R	0.403540015
12G_President		Obama	D	0.634464264
12G_President		Romney	R	0.365535736
12G_Treasurer		McCord	D	0.618730485
12G_Treasurer		Vaughan	R	0.381269544
12G_US_Senate	53.69%	Casey	D	0.652227104
12G_US_Senate	44.59%	Smith	R	0.347772866
12P_AG	52.82%	Kane	D	0.367929041
12P_AG	47.18%	Murphy	D	0.632070959
12P_US_Senate	80.88%	Casey	D	0.852976859
12P_US_Senate	19.12%	Vodvarka	D	0.147023126
14G_Governor	54.93%	Wolf	D	0.64320308
14G_Governor	45.07%	Corbett	R	0.35679692
14P_Governor	16.84%	McCord	D	0.171897948
14P_Governor	7.66%	McGinty	D	0.050890837
14P_Governor	17.64%	Schwartz	D	0.29528591
14P_Governor	57.86%	Wolf	D	0.481925309
14P_Lt_Governor	15.88%	Critz	D	0.038394898
14P_Lt_Governor	11.91%	Koplinski	D	0.080070227
14P_Lt_Governor	10.84%	Neuman	D	0.046249453
14P_Lt_Governor	14.57%	Smith	D	0.126412094
14P_Lt_Governor	46.79%	Stack	D	0.708873332
15G_Mayor		Kenney	D	0.886430919
15G_Mayor		Bailey	R	0.10492596
15G_Mayor		Foster	U	0.003868238
15G_Mayor		Hart	U	0.004110003
15G_Mayor		Kindij	U	0.000664853
15G_Sheriff		Williams	D	0.806293964
15G_Sheriff		Sawyer	R	0.193706051
15P_Mayor		Abraham	D	0.058303084
15P_Mayor		Diaz	D	0.010549001
15P_Mayor		Kenney	D	0.692037225
15P_Mayor		Oliver	D	0.020871144
15P_Mayor		Street	D	0.009414701
15P_Mayor		Williams	D	0.208824858
16G_AG	51.39%	Shapiro	D	0.619035602
16G_AG	48.61%	Rafferty	R	0.380964398
16G_Auditor		Depasquale	D	0.603423119
16G_Auditor		Brown	R	0.396576881
16G_Congress_Dist1		Brady	D	0.802385271
16G_Congress_Dist1		Williams	R	0.197614744
16G_President	47.85%	Clinton	D	0.647827089

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.352172941
16G_Treasurer		Torsella	D	0.626268387
16G_Treasurer		Voit	R	0.373731613
16G_US_Senate	47.34%	McGinty	D	0.598145723
16G_US_Senate	48.77%	Toomey	R	0.401854247
16P_AG	16.22%	Morganelli	D	0.099349283
16P_AG	47.03%	Shapiro	D	0.635588527
16P_AG	36.74%	Zappala	D	0.265062213
16P_Congress_Dist2		Evans	D	0.353333324
16P_Congress_Dist2		Fattah	D	0.553333342
16P_Congress_Dist2		Gordon	D	0.093333334
16P_Congress_Dist2		Muroff	D	0
16P_President	55.61%	Clinton	D	0.60846746
16P_President	0.86%	DeLaFuente	D	0.004560994
16P_President	43.53%	Sanders	D	0.386971533
16P_US_Senate	19.49%	Fetterman	D	0.089906521
16P_US_Senate	42.50%	McGinty	D	0.315738112
16P_US_Senate	32.57%	Sestak	D	0.553977728
16P_US_Senate	5.45%	Vodvarka	D	0.040377684
17G_Supreme_Court		Woodruff	D	0.545956969
17G_Supreme_Court		Mundy	R	0.454043001
17P_DA		Deni	D	0.015494232
17P_DA		Khan	D	0.13334088
17P_DA		Krasner	D	0.300497621
17P_DA		Negrin	D	0.156412572
17P_DA		ONeill	D	0.207758427
17P_DA		Shabazz	D	0.095001131
17P_DA		Untermeyer	D	0.091495134
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	0.788849652
18G_Congress_Dist5		Kim	R	0.211150318
18G_Governor	57.77%	Wolf	D	0.703919709
18G_Governor	40.70%	Wagner	R	0.296080291
18G_US_Senator		Casey	D	0.689751446
18G_US_Senator		Barletta	R	0.310248524
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.010588693
18P_Congress_Dist5		Davidson	D	0.019525938
18P_Congress_Dist5		Kirkland	D	0.022925977
18P_Congress_Dist5		Lazer	D	0.438216448
18P_Congress_Dist5		Li	D	0.127647176
18P_Congress_Dist5		Lunkenheimer	D	0.058869243
18P_Congress_Dist5		Scanlon	D	0.079075187

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.12512143
18P_Congress_Dist5		Vitali	D	0.040509034
18P_Congress_Dist5		Wright	D	0.077520885
18P_Lt_Governor	23.78%	Ahmad	D	0.356268406
18P_Lt_Governor	18.55%	Cozzone	D	0.207872346
18P_Lt_Governor	37.48%	Fetterman	D	0.202945992
18P_Lt_Governor	3.58%	Sosa	D	0.029738134
18P_Lt_Governor	16.62%	Stack	D	0.203175128
19P_Mayor		Butkovitz	D	0.127075508
19P_Mayor		Kenney	D	0.580141842
19P_Mayor		Williams	D	0.292782634
19P_Municipal_Judge		Brunson	D	0.35399285
19P_Municipal_Judge		Conroy	D	0.64600718
19P_Register_Wills		Donatucci	D	0.582905173
19P_Register_Wills		Gordon	D	0.325455397
19P_Register_Wills		Whaumbush	D	0.091639422
20G_AG		Shapiro	D	0.648284316
20G_AG		Heidelbaugh	R	0.351715684
20G_Auditor	46.35%	Ahmad	D	0.621642649
20G_Auditor	49.44%	Defoor	R	0.378357351
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.659488797
20G_President	48.84%	Trump	R	0.340511203
20G_Treasurer		Torsella	D	0.633673549
20G_Treasurer		Garrity	R	0.366326481
20P_Auditor	36.44%	Ahmad	D	0.684431732
20P_Auditor	7.47%	Conklin	D	0.036646057
20P_Auditor	5.99%	Davis	D	0.041046824
20P_Auditor	9.00%	Fountain	D	0.068702362
20P_Auditor	13.97%	Hartman	D	0.101037644
20P_Auditor	27.14%	Lamb	D	0.068135388
20P_President	79.26%	Biden	D	0.826769292
20P_President	2.70%	Gabbard	D	0.01246776
20P_President	18.04%	Sanders	D	0.160762936
21G_Superior_Judge		Lane	D	0.661510706
21G_Superior_Judge		Sullivan	R	0.338489324
21P_DA		Krasner	D	0.491324991
21P_DA		Vega	D	0.508675039
21P_Superior_Judge		Beck	D	0.164666295
21P_Superior_Judge		Lane	D	0.793045402
21P_Superior_Judge		Neft	D	0.042288277

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.535904884
12G_AG	41.56%	Freed	R	0.464095116
12G_Auditor		Depasquale	D	0.466304302
12G_Auditor		Maher	R	0.533695698
12G_President		Obama	D	0.515295804
12G_President		Romney	R	0.484704196
12G_Treasurer		McCord	D	0.501890659
12G_Treasurer		Vaughan	R	0.498109311
12G_US_Senate	53.69%	Casey	D	0.529498994
12G_US_Senate	44.59%	Smith	R	0.470500976
12P_AG	52.82%	Kane	D	0.449301779
12P_AG	47.18%	Murphy	D	0.550698221
12P_US_Senate	80.88%	Casey	D	0.857354641
12P_US_Senate	19.12%	Vodvarka	D	0.142645374
14G_Governor	54.93%	Wolf	D	0.525800824
14G_Governor	45.07%	Corbett	R	0.474199176
14P_Governor	16.84%	McCord	D	0.18800889
14P_Governor	7.66%	McGinty	D	0.087712802
14P_Governor	17.64%	Schwartz	D	0.177337781
14P_Governor	57.86%	Wolf	D	0.546940565
14P_Lt_Governor	15.88%	Critz	D	0.04066078
14P_Lt_Governor	11.91%	Koplinski	D	0.202027872
14P_Lt_Governor	10.84%	Neuman	D	0.052455511
14P_Lt_Governor	14.57%	Smith	D	0.154504076
14P_Lt_Governor	46.79%	Stack	D	0.550351799
16G_AG	51.39%	Shapiro	D	0.510636449
16G_AG	48.61%	Rafferty	R	0.489363581
16G_Auditor		Depasquale	D	0.491435915
16G_Auditor		Brown	R	0.508564115
16G_President	47.85%	Clinton	D	0.54624033
16G_President	48.58%	Trump	R	0.45375967
16G_Treasurer		Torsella	D	0.52136606
16G_Treasurer		Voit	R	0.47863394
16G_US_Senate	47.34%	McGinty	D	0.497202575
16G_US_Senate	48.77%	Toomey	R	0.502797425
16P_AG	16.22%	Morganelli	D	0.127613887
16P_AG	47.03%	Shapiro	D	0.651863277
16P_AG	36.74%	Zappala	D	0.220522851
16P_President	55.61%	Clinton	D	0.542588711
16P_President	0.86%	DeLaFuente	D	0.004697685
16P_President	43.53%	Sanders	D	0.452713609
16P_US_Senate	19.49%	Fetterman	D	0.078247339
16P_US_Senate	42.50%	McGinty	D	0.47664538
16P_US_Senate	32.57%	Sestak	D	0.426760435
16P_US_Senate	5.45%	Vodvarka	D	0.018346855

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.491569728
17G_Supreme_Court		Mundy	R	0.508430243
18G_Governor	57.77%	Wolf	D	0.619248807
18G_Governor	40.70%	Wagner	R	0.380751193
18G_US_Senator		Casey	D	0.599701226
18G_US_Senator		Barletta	R	0.400298774
18P_Lt_Governor	23.78%	Ahmad	D	0.190034643
18P_Lt_Governor	18.55%	Cozzone	D	0.557447374
18P_Lt_Governor	37.48%	Fetterman	D	0.151905149
18P_Lt_Governor	3.58%	Sosa	D	0.017719159
18P_Lt_Governor	16.62%	Stack	D	0.082893685
20G_AG		Shapiro	D	0.555547416
20G_AG		Heidelbaugh	R	0.444452584
20G_Auditor	46.35%	Ahmad	D	0.525644898
20G_Auditor	49.44%	Defoor	R	0.474355102
20G_President	50.01%	Biden	D	0.574212432
20G_President	48.84%	Trump	R	0.425787568
20G_Treasurer		Torsella	D	0.539745867
20G_Treasurer		Garrity	R	0.460254103
20P_Auditor	36.44%	Ahmad	D	0.382332832
20P_Auditor	7.47%	Conklin	D	0.040402286
20P_Auditor	5.99%	Davis	D	0.035246272
20P_Auditor	9.00%	Fountain	D	0.068754561
20P_Auditor	13.97%	Hartman	D	0.410360694
20P_Auditor	27.14%	Lamb	D	0.06290336
20P_President	79.26%	Biden	D	0.814245999
20P_President	2.70%	Gabbard	D	0.01598803
20P_President	18.04%	Sanders	D	0.169765949

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.569034278
12G_AG	41.56%	Freed	R	0.430965751
12G_Auditor		Depasquale	D	0.514294565
12G_Auditor		Maher	R	0.485705405
12G_President		Obama	D	0.53591603
12G_President		Romney	R	0.46408397
12G_Treasurer		McCord	D	0.543435872
12G_Treasurer		Vaughan	R	0.456564099
12G_US_Senate	53.69%	Casey	D	0.547753155
12G_US_Senate	44.59%	Smith	R	0.452246845
12P_AG	52.82%	Kane	D	0.495725274
12P_AG	47.18%	Murphy	D	0.504274726
12P_US_Senate	80.88%	Casey	D	0.820577204
12P_US_Senate	19.12%	Vodvarka	D	0.179422796
14G_Governor	54.93%	Wolf	D	0.552193701
14G_Governor	45.07%	Corbett	R	0.447806269
14P_Governor	16.84%	McCord	D	0.155755863
14P_Governor	7.66%	McGinty	D	0.06196095
14P_Governor	17.64%	Schwartz	D	0.150185674
14P_Governor	57.86%	Wolf	D	0.632097483
14P_Lt_Governor	15.88%	Critz	D	0.055063382
14P_Lt_Governor	11.91%	Koplinski	D	0.155322671
14P_Lt_Governor	10.84%	Neuman	D	0.073357821
14P_Lt_Governor	14.57%	Smith	D	0.226015553
14P_Lt_Governor	46.79%	Stack	D	0.490240574
16G_AG	51.39%	Shapiro	D	0.525504708
16G_AG	48.61%	Rafferty	R	0.474495292
16G_Auditor		Depasquale	D	0.502782226
16G_Auditor		Brown	R	0.497217774
16G_President	47.85%	Clinton	D	0.50522244
16G_President	48.58%	Trump	R	0.49477753
16G_Treasurer		Torsella	D	0.535820425
16G_Treasurer		Voit	R	0.464179575
16G_US_Senate	47.34%	McGinty	D	0.492937803
16G_US_Senate	48.77%	Toomey	R	0.507062197
16P_AG	16.22%	Morganelli	D	0.667220354
16P_AG	47.03%	Shapiro	D	0.246493176
16P_AG	36.74%	Zappala	D	0.086286455
16P_President	55.61%	Clinton	D	0.518052995
16P_President	0.86%	DeLaFuente	D	0.007481085
16P_President	43.53%	Sanders	D	0.474465936
16P_US_Senate	19.49%	Fetterman	D	0.109771982
16P_US_Senate	42.50%	McGinty	D	0.418651015
16P_US_Senate	32.57%	Sestak	D	0.431699812
16P_US_Senate	5.45%	Vodvarka	D	0.039877217

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.48302263
17G_Supreme_Court		Mundy	R	0.51697737
18G_Governor	57.77%	Wolf	D	0.597679317
18G_Governor	40.70%	Wagner	R	0.402320683
18G_US_Senator		Casey	D	0.569873333
18G_US_Senator		Barletta	R	0.430126637
18P_Lt_Governor	23.78%	Ahmad	D	0.297182232
18P_Lt_Governor	18.55%	Cozzone	D	0.238021404
18P_Lt_Governor	37.48%	Fetterman	D	0.186612532
18P_Lt_Governor	3.58%	Sosa	D	0.063344404
18P_Lt_Governor	16.62%	Stack	D	0.214839429
20G_AG		Shapiro	D	0.534298062
20G_AG		Heidelbaugh	R	0.465701908
20G_Auditor	46.35%	Ahmad	D	0.505537689
20G_Auditor	49.44%	Defoor	R	0.494462311
20G_President	50.01%	Biden	D	0.523919225
20G_President	48.84%	Trump	R	0.476080775
20G_Treasurer		Torsella	D	0.516416669
20G_Treasurer		Garrity	R	0.483583301
20P_Auditor	36.44%	Ahmad	D	0.329560757
20P_Auditor	7.47%	Conklin	D	0.079385802
20P_Auditor	5.99%	Davis	D	0.208470151
20P_Auditor	9.00%	Fountain	D	0.097311191
20P_Auditor	13.97%	Hartman	D	0.16445066
20P_Auditor	27.14%	Lamb	D	0.120821446
20P_President	79.26%	Biden	D	0.790176213
20P_President	2.70%	Gabbard	D	0.024011843
20P_President	18.04%	Sanders	D	0.185811952

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.633698046
12G_AG	41.56%	Freed	R	0.366301954
12G_Auditor		Depasquale	D	0.558884263
12G_Auditor		Maher	R	0.441115737
12G_President		Obama	D	0.552486062
12G_President		Romney	R	0.447513968
12G_Treasurer		McCord	D	0.592087805
12G_Treasurer		Vaughan	R	0.407912165
12G_US_Senate	53.69%	Casey	D	0.581358433
12G_US_Senate	44.59%	Smith	R	0.418641567
12P_AG	52.82%	Kane	D	0.768672526
12P_AG	47.18%	Murphy	D	0.231327489
12P_US_Senate	80.88%	Casey	D	0.902667284
12P_US_Senate	19.12%	Vodvarka	D	0.097332738
14G_Governor	54.93%	Wolf	D	0.591557682
14G_Governor	45.07%	Corbett	R	0.408442318
14P_Governor	16.84%	McCord	D	0.211537302
14P_Governor	7.66%	McGinty	D	0.087130077
14P_Governor	17.64%	Schwartz	D	0.061933488
14P_Governor	57.86%	Wolf	D	0.639399111
14P_Lt_Governor	15.88%	Critz	D	0.03951497
14P_Lt_Governor	11.91%	Koplinski	D	0.113137975
14P_Lt_Governor	10.84%	Neuman	D	0.074278928
14P_Lt_Governor	14.57%	Smith	D	0.339289844
14P_Lt_Governor	46.79%	Stack	D	0.433778286
16G_AG	51.39%	Shapiro	D	0.516877353
16G_AG	48.61%	Rafferty	R	0.483122647
16G_Auditor		Depasquale	D	0.536625504
16G_Auditor		Brown	R	0.463374496
16G_President	47.85%	Clinton	D	0.436084896
16G_President	48.58%	Trump	R	0.563915133
16G_Treasurer		Torsella	D	0.547503769
16G_Treasurer		Voit	R	0.452496231
16G_US_Senate	47.34%	McGinty	D	0.485510319
16G_US_Senate	48.77%	Toomey	R	0.51448971
16P_AG	16.22%	Morganelli	D	0.327923208
16P_AG	47.03%	Shapiro	D	0.410947323
16P_AG	36.74%	Zappala	D	0.261129469
16P_President	55.61%	Clinton	D	0.538327098
16P_President	0.86%	DeLaFuente	D	0.010487485
16P_President	43.53%	Sanders	D	0.451185435
16P_US_Senate	19.49%	Fetterman	D	0.087074712
16P_US_Senate	42.50%	McGinty	D	0.497621387
16P_US_Senate	32.57%	Sestak	D	0.382056236
16P_US_Senate	5.45%	Vodvarka	D	0.033247676

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.42215234
17G_Supreme_Court		Mundy	R	0.57784766
18G_Governor	57.77%	Wolf	D	0.554891229
18G_Governor	40.70%	Wagner	R	0.445108771
18G_US_Senator		Casey	D	0.510023117
18G_US_Senator		Barletta	R	0.489976913
18P_Lt_Governor	23.78%	Ahmad	D	0.25539577
18P_Lt_Governor	18.55%	Cozzone	D	0.172918409
18P_Lt_Governor	37.48%	Fetterman	D	0.205660805
18P_Lt_Governor	3.58%	Sosa	D	0.035633672
18P_Lt_Governor	16.62%	Stack	D	0.330391347
20G_AG		Shapiro	D	0.514961481
20G_AG		Heidelbaugh	R	0.485038519
20G_Auditor	46.35%	Ahmad	D	0.467236817
20G_Auditor	49.44%	Defoor	R	0.532763183
20G_President	50.01%	Biden	D	0.461750746
20G_President	48.84%	Trump	R	0.538249254
20G_Treasurer		Torsella	D	0.478757828
20G_Treasurer		Garrity	R	0.521242142
20P_Auditor	36.44%	Ahmad	D	0.227753624
20P_Auditor	7.47%	Conklin	D	0.079741269
20P_Auditor	5.99%	Davis	D	0.291690677
20P_Auditor	9.00%	Fountain	D	0.080330491
20P_Auditor	13.97%	Hartman	D	0.155410364
20P_Auditor	27.14%	Lamb	D	0.165073588
20P_President	79.26%	Biden	D	0.807067752
20P_President	2.70%	Gabbard	D	0.037342101
20P_President	18.04%	Sanders	D	0.155590117

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.463005722
12G_AG	41.56%	Freed	R	0.536994278
12G_Auditor		Depasquale	D	0.374997407
12G_Auditor		Maher	R	0.625002563
12G_President		Obama	D	0.389635026
12G_President		Romney	R	0.610364974
12G_Treasurer		McCord	D	0.416790068
12G_Treasurer		Vaughan	R	0.583209932
12G_US_Senate	53.69%	Casey	D	0.407185078
12G_US_Senate	44.59%	Smith	R	0.592814922
12P_AG	52.82%	Kane	D	0.688531339
12P_AG	47.18%	Murphy	D	0.311468661
12P_US_Senate	80.88%	Casey	D	0.870519578
12P_US_Senate	19.12%	Vodvarka	D	0.129480407
14G_Governor	54.93%	Wolf	D	0.427238435
14G_Governor	45.07%	Corbett	R	0.572761536
14P_Governor	16.84%	McCord	D	0.173780978
14P_Governor	7.66%	McGinty	D	0.100287467
14P_Governor	17.64%	Schwartz	D	0.080002166
14P_Governor	57.86%	Wolf	D	0.645929396
14P_Lt_Governor	15.88%	Critz	D	0.051455654
14P_Lt_Governor	11.91%	Koplinski	D	0.256218553
14P_Lt_Governor	10.84%	Neuman	D	0.047128431
14P_Lt_Governor	14.57%	Smith	D	0.327985644
14P_Lt_Governor	46.79%	Stack	D	0.317211747
16G_AG	51.39%	Shapiro	D	0.348299533
16G_AG	48.61%	Rafferty	R	0.651700497
16G_Auditor		Depasquale	D	0.36213237
16G_Auditor		Brown	R	0.63786763
16G_President	47.85%	Clinton	D	0.297555268
16G_President	48.58%	Trump	R	0.702444732
16G_Treasurer		Torsella	D	0.378783166
16G_Treasurer		Voit	R	0.621216834
16G_US_Senate	47.34%	McGinty	D	0.331062376
16G_US_Senate	48.77%	Toomey	R	0.668937624
16P_AG	16.22%	Morganelli	D	0.314272255
16P_AG	47.03%	Shapiro	D	0.47495079
16P_AG	36.74%	Zappala	D	0.21077697
16P_President	55.61%	Clinton	D	0.486209422
16P_President	0.86%	DeLaFuente	D	0.013251449
16P_President	43.53%	Sanders	D	0.500539124
16P_US_Senate	19.49%	Fetterman	D	0.122583412
16P_US_Senate	42.50%	McGinty	D	0.497857213
16P_US_Senate	32.57%	Sestak	D	0.348131806
16P_US_Senate	5.45%	Vodvarka	D	0.031427573

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.284749418
17G_Supreme_Court		Mundy	R	0.715250611
18G_Governor	57.77%	Wolf	D	0.415369034
18G_Governor	40.70%	Wagner	R	0.584630966
18G_US_Senator		Casey	D	0.374702513
18G_US_Senator		Barletta	R	0.625297487
18P_Lt_Governor	23.78%	Ahmad	D	0.259019434
18P_Lt_Governor	18.55%	Cozzone	D	0.201836437
18P_Lt_Governor	37.48%	Fetterman	D	0.280912727
18P_Lt_Governor	3.58%	Sosa	D	0.041182719
18P_Lt_Governor	16.62%	Stack	D	0.21704869
20G_AG		Shapiro	D	0.35094282
20G_AG		Heidelbaugh	R	0.64905715
20G_Auditor	46.35%	Ahmad	D	0.302661121
20G_Auditor	49.44%	Defoor	R	0.697338879
20G_President	50.01%	Biden	D	0.319412857
20G_President	48.84%	Trump	R	0.680587173
20G_Treasurer		Torsella	D	0.316451639
20G_Treasurer		Garrity	R	0.683548391
20P_Auditor	36.44%	Ahmad	D	0.176612526
20P_Auditor	7.47%	Conklin	D	0.130426526
20P_Auditor	5.99%	Davis	D	0.084658496
20P_Auditor	9.00%	Fountain	D	0.22422342
20P_Auditor	13.97%	Hartman	D	0.256274343
20P_Auditor	27.14%	Lamb	D	0.127804697
20P_President	79.26%	Biden	D	0.778538704
20P_President	2.70%	Gabbard	D	0.045669351
20P_President	18.04%	Sanders	D	0.175791919

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.439437449
12G_AG	41.56%	Freed	R	0.560562551
12G_Auditor		Depasquale	D	0.399354786
12G_Auditor		Maher	R	0.600645244
12G_President		Obama	D	0.395085871
12G_President		Romney	R	0.604914129
12G_Treasurer		McCord	D	0.408746034
12G_Treasurer		Vaughan	R	0.591253936
12G_US_Senate	53.69%	Casey	D	0.414512604
12G_US_Senate	44.59%	Smith	R	0.585487425
12P_AG	52.82%	Kane	D	0.658230782
12P_AG	47.18%	Murphy	D	0.341769189
12P_US_Senate	80.88%	Casey	D	0.836952269
12P_US_Senate	19.12%	Vodvarka	D	0.163047761
14G_Governor	54.93%	Wolf	D	0.425406635
14G_Governor	45.07%	Corbett	R	0.574593365
14P_Governor	16.84%	McCord	D	0.066271156
14P_Governor	7.66%	McGinty	D	0.06455604
14P_Governor	17.64%	Schwartz	D	0.048163977
14P_Governor	57.86%	Wolf	D	0.821008801
14P_Lt_Governor	15.88%	Critz	D	0.058896683
14P_Lt_Governor	11.91%	Koplinski	D	0.378985971
14P_Lt_Governor	10.84%	Neuman	D	0.059502549
14P_Lt_Governor	14.57%	Smith	D	0.1273278
14P_Lt_Governor	46.79%	Stack	D	0.375286996
16G_AG	51.39%	Shapiro	D	0.370174468
16G_AG	48.61%	Rafferty	R	0.629825532
16G_Auditor		Depasquale	D	0.428332686
16G_Auditor		Brown	R	0.571667314
16G_President	47.85%	Clinton	D	0.365688503
16G_President	48.58%	Trump	R	0.634311497
16G_Treasurer		Torsella	D	0.381446064
16G_Treasurer		Voit	R	0.618553936
16G_US_Senate	47.34%	McGinty	D	0.364043355
16G_US_Senate	48.77%	Toomey	R	0.635956645
16P_AG	16.22%	Morganelli	D	0.198956594
16P_AG	47.03%	Shapiro	D	0.56026417
16P_AG	36.74%	Zappala	D	0.240779251
16P_President	55.61%	Clinton	D	0.509711266
16P_President	0.86%	DeLaFuente	D	0.009093716
16P_President	43.53%	Sanders	D	0.481195003
16P_US_Senate	19.49%	Fetterman	D	0.160537705
16P_US_Senate	42.50%	McGinty	D	0.521876812
16P_US_Senate	32.57%	Sestak	D	0.285335749
16P_US_Senate	5.45%	Vodvarka	D	0.032249726

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.32240656
17G_Supreme_Court		Mundy	R	0.67759347
18G_Governor	57.77%	Wolf	D	0.47396481
18G_Governor	40.70%	Wagner	R	0.52603519
18G_US_Senator		Casey	D	0.436075181
18G_US_Senator		Barletta	R	0.563924849
18P_Lt_Governor	23.78%	Ahmad	D	0.343525529
18P_Lt_Governor	18.55%	Cozzone	D	0.182424128
18P_Lt_Governor	37.48%	Fetterman	D	0.354364842
18P_Lt_Governor	3.58%	Sosa	D	0.030253025
18P_Lt_Governor	16.62%	Stack	D	0.089432471
20G_AG		Shapiro	D	0.396139354
20G_AG		Heidelbaugh	R	0.603860676
20G_Auditor	46.35%	Ahmad	D	0.363195002
20G_Auditor	49.44%	Defoor	R	0.636804998
20G_President	50.01%	Biden	D	0.397311211
20G_President	48.84%	Trump	R	0.602688789
20G_Treasurer		Torsella	D	0.37100333
20G_Treasurer		Garrity	R	0.62899667
20P_Auditor	36.44%	Ahmad	D	0.19486402
20P_Auditor	7.47%	Conklin	D	0.100924082
20P_Auditor	5.99%	Davis	D	0.048015945
20P_Auditor	9.00%	Fountain	D	0.255958766
20P_Auditor	13.97%	Hartman	D	0.296941131
20P_Auditor	27.14%	Lamb	D	0.103296049
20P_President	79.26%	Biden	D	0.79089874
20P_President	2.70%	Gabbard	D	0.029070402
20P_President	18.04%	Sanders	D	0.180030853

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.491367251
12G_AG	41.56%	Freed	R	0.50863272
12G_Auditor		Depasquale	D	0.425029904
12G_Auditor		Maher	R	0.574970067
12G_President		Obama	D	0.457390547
12G_President		Romney	R	0.542609453
12G_Treasurer		McCord	D	0.452238888
12G_Treasurer		Vaughan	R	0.547761142
12G_US_Senate	53.69%	Casey	D	0.466070056
12G_US_Senate	44.59%	Smith	R	0.533929944
12P_AG	52.82%	Kane	D	0.586230934
12P_AG	47.18%	Murphy	D	0.413769066
12P_US_Senate	80.88%	Casey	D	0.871642947
12P_US_Senate	19.12%	Vodvarka	D	0.128357053
14G_Governor	54.93%	Wolf	D	0.450274497
14G_Governor	45.07%	Corbett	R	0.549725473
14P_Governor	16.84%	McCord	D	0.11062596
14P_Governor	7.66%	McGinty	D	0.083091661
14P_Governor	17.64%	Schwartz	D	0.09648408
14P_Governor	57.86%	Wolf	D	0.709798276
14P_Lt_Governor	15.88%	Critz	D	0.046784889
14P_Lt_Governor	11.91%	Koplinski	D	0.474697232
14P_Lt_Governor	10.84%	Neuman	D	0.0461361
14P_Lt_Governor	14.57%	Smith	D	0.081927627
14P_Lt_Governor	46.79%	Stack	D	0.350454152
16G_AG	51.39%	Shapiro	D	0.436348021
16G_AG	48.61%	Rafferty	R	0.563651979
16G_Auditor		Depasquale	D	0.460244
16G_Auditor		Brown	R	0.539756
16G_President	47.85%	Clinton	D	0.451542407
16G_President	48.58%	Trump	R	0.548457563
16G_Treasurer		Torsella	D	0.447202057
16G_Treasurer		Voit	R	0.552797914
16G_US_Senate	47.34%	McGinty	D	0.435218602
16G_US_Senate	48.77%	Toomey	R	0.564781427
16P_AG	16.22%	Morganelli	D	0.163679093
16P_AG	47.03%	Shapiro	D	0.596676767
16P_AG	36.74%	Zappala	D	0.23964417
16P_President	55.61%	Clinton	D	0.517091393
16P_President	0.86%	DeLaFuente	D	0.005365817
16P_President	43.53%	Sanders	D	0.477542788
16P_US_Senate	19.49%	Fetterman	D	0.153769761
16P_US_Senate	42.50%	McGinty	D	0.529847562
16P_US_Senate	32.57%	Sestak	D	0.302400738
16P_US_Senate	5.45%	Vodvarka	D	0.013981936

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.383227438
17G_Supreme_Court		Mundy	R	0.616772532
18G_Governor	57.77%	Wolf	D	0.533223033
18G_Governor	40.70%	Wagner	R	0.466776937
18G_US_Senator		Casey	D	0.50341022
18G_US_Senator		Barletta	R	0.49658978
18P_Lt_Governor	23.78%	Ahmad	D	0.402780592
18P_Lt_Governor	18.55%	Cozzone	D	0.205716014
18P_Lt_Governor	37.48%	Fetterman	D	0.284454316
18P_Lt_Governor	3.58%	Sosa	D	0.027300881
18P_Lt_Governor	16.62%	Stack	D	0.079748198
20G_AG		Shapiro	D	0.466481328
20G_AG		Heidelbaugh	R	0.533518672
20G_Auditor	46.35%	Ahmad	D	0.433544397
20G_Auditor	49.44%	Defoor	R	0.566455603
20G_President	50.01%	Biden	D	0.472881585
20G_President	48.84%	Trump	R	0.527118385
20G_Treasurer		Torsella	D	0.440815508
20G_Treasurer		Garrity	R	0.559184492
20P_Auditor	36.44%	Ahmad	D	0.129944161
20P_Auditor	7.47%	Conklin	D	0.035840161
20P_Auditor	5.99%	Davis	D	0.019580826
20P_Auditor	9.00%	Fountain	D	0.279962301
20P_Auditor	13.97%	Hartman	D	0.487446517
20P_Auditor	27.14%	Lamb	D	0.047226049
20P_President	79.26%	Biden	D	0.775487006
20P_President	2.70%	Gabbard	D	0.021157401
20P_President	18.04%	Sanders	D	0.20335561

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.417033374
12G_AG	41.56%	Freed	R	0.582966626
12G_Auditor		Depasquale	D	0.321659148
12G_Auditor		Maher	R	0.678340852
12G_President		Obama	D	0.320032358
12G_President		Romney	R	0.679967642
12G_Treasurer		McCord	D	0.360358149
12G_Treasurer		Vaughan	R	0.639641821
12G_US_Senate	53.69%	Casey	D	0.350336969
12G_US_Senate	44.59%	Smith	R	0.649663031
12P_AG	52.82%	Kane	D	0.642157197
12P_AG	47.18%	Murphy	D	0.357842803
12P_US_Senate	80.88%	Casey	D	0.814213336
12P_US_Senate	19.12%	Vodvarka	D	0.185786664
14G_Governor	54.93%	Wolf	D	0.397838533
14G_Governor	45.07%	Corbett	R	0.602161467
14P_Governor	16.84%	McCord	D	0.19423373
14P_Governor	7.66%	McGinty	D	0.101200335
14P_Governor	17.64%	Schwartz	D	0.063475452
14P_Governor	57.86%	Wolf	D	0.641090453
14P_Lt_Governor	15.88%	Critz	D	0.504826486
14P_Lt_Governor	11.91%	Koplinski	D	0.163917392
14P_Lt_Governor	10.84%	Neuman	D	0.045423999
14P_Lt_Governor	14.57%	Smith	D	0.127749264
14P_Lt_Governor	46.79%	Stack	D	0.158082843
16G_AG	51.39%	Shapiro	D	0.309510916
16G_AG	48.61%	Rafferty	R	0.690489054
16G_Auditor		Depasquale	D	0.321470827
16G_Auditor		Brown	R	0.678529143
16G_President	47.85%	Clinton	D	0.253100663
16G_President	48.58%	Trump	R	0.746899307
16G_Treasurer		Torsella	D	0.325676143
16G_Treasurer		Voit	R	0.674323857
16G_US_Senate	47.34%	McGinty	D	0.281130165
16G_US_Senate	48.77%	Toomey	R	0.718869805
16P_AG	16.22%	Morganelli	D	0.24587059
16P_AG	47.03%	Shapiro	D	0.453572512
16P_AG	36.74%	Zappala	D	0.300556898
16P_President	55.61%	Clinton	D	0.473275363
16P_President	0.86%	DeLaFuente	D	0.018137826
16P_President	43.53%	Sanders	D	0.508586824
16P_US_Senate	19.49%	Fetterman	D	0.159850165
16P_US_Senate	42.50%	McGinty	D	0.458885938
16P_US_Senate	32.57%	Sestak	D	0.332980871
16P_US_Senate	5.45%	Vodvarka	D	0.048283029

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.27470988
17G_Supreme_Court		Mundy	R	0.72529012
18G_Governor	57.77%	Wolf	D	0.351506501
18G_Governor	40.70%	Wagner	R	0.648493528
18G_US_Senator		Casey	D	0.335911125
18G_US_Senator		Barletta	R	0.664088905
18P_Lt_Governor	23.78%	Ahmad	D	0.193178192
18P_Lt_Governor	18.55%	Cozzone	D	0.247330248
18P_Lt_Governor	37.48%	Fetterman	D	0.420624793
18P_Lt_Governor	3.58%	Sosa	D	0.037615556
18P_Lt_Governor	16.62%	Stack	D	0.101251192
20G_AG		Shapiro	D	0.281849563
20G_AG		Heidelbaugh	R	0.718150437
20G_Auditor	46.35%	Ahmad	D	0.243622184
20G_Auditor	49.44%	Defoor	R	0.756377816
20G_President	50.01%	Biden	D	0.264015645
20G_President	48.84%	Trump	R	0.735984385
20G_Treasurer		Torsella	D	0.259999841
20G_Treasurer		Garrity	R	0.740000188
20P_Auditor	36.44%	Ahmad	D	0.127085447
20P_Auditor	7.47%	Conklin	D	0.409927934
20P_Auditor	5.99%	Davis	D	0.046220761
20P_Auditor	9.00%	Fountain	D	0.150217474
20P_Auditor	13.97%	Hartman	D	0.122389801
20P_Auditor	27.14%	Lamb	D	0.144158572
20P_President	79.26%	Biden	D	0.760765731
20P_President	2.70%	Gabbard	D	0.052613135
20P_President	18.04%	Sanders	D	0.1866211

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.516699255
12G_AG	41.56%	Freed	R	0.483300745
12G_Auditor		Depasquale	D	0.444056869
12G_Auditor		Maher	R	0.555943131
12G_President		Obama	D	0.396575332
12G_President		Romney	R	0.603424668
12G_Treasurer		McCord	D	0.459726095
12G_Treasurer		Vaughan	R	0.540273905
12G_US_Senate	53.69%	Casey	D	0.445185632
12G_US_Senate	44.59%	Smith	R	0.554814339
12P_AG	52.82%	Kane	D	0.594439864
12P_AG	47.18%	Murphy	D	0.405560106
12P_US_Senate	80.88%	Casey	D	0.755225539
12P_US_Senate	19.12%	Vodvarka	D	0.244774461
14G_Governor	54.93%	Wolf	D	0.472718447
14G_Governor	45.07%	Corbett	R	0.527281582
14P_Governor	16.84%	McCord	D	0.194618046
14P_Governor	7.66%	McGinty	D	0.108578093
14P_Governor	17.64%	Schwartz	D	0.067339137
14P_Governor	57.86%	Wolf	D	0.629464746
14P_Lt_Governor	15.88%	Critz	D	0.434127957
14P_Lt_Governor	11.91%	Koplinski	D	0.026025807
14P_Lt_Governor	10.84%	Neuman	D	0.319257766
14P_Lt_Governor	14.57%	Smith	D	0.055954643
14P_Lt_Governor	46.79%	Stack	D	0.16463384
16G_AG	51.39%	Shapiro	D	0.412383854
16G_AG	48.61%	Rafferty	R	0.587616146
16G_Auditor		Depasquale	D	0.459969074
16G_Auditor		Brown	R	0.540030956
16G_President	47.85%	Clinton	D	0.332478434
16G_President	48.58%	Trump	R	0.667521596
16G_Treasurer		Torsella	D	0.450123131
16G_Treasurer		Voit	R	0.549876869
16G_US_Senate	47.34%	McGinty	D	0.372360408
16G_US_Senate	48.77%	Toomey	R	0.627639592
16P_AG	16.22%	Morganelli	D	0.088406727
16P_AG	47.03%	Shapiro	D	0.234997615
16P_AG	36.74%	Zappala	D	0.676595628
16P_President	55.61%	Clinton	D	0.551292181
16P_President	0.86%	DeLaFuente	D	0.018427946
16P_President	43.53%	Sanders	D	0.430279881
16P_US_Senate	19.49%	Fetterman	D	0.287177086
16P_US_Senate	42.50%	McGinty	D	0.42839691
16P_US_Senate	32.57%	Sestak	D	0.238028973
16P_US_Senate	5.45%	Vodvarka	D	0.046397008

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.412129492
17G_Supreme_Court		Mundy	R	0.587870538
18G_Governor	57.77%	Wolf	D	0.464681119
18G_Governor	40.70%	Wagner	R	0.535318851
18G_US_Senator		Casey	D	0.451921105
18G_US_Senator		Barletta	R	0.548078895
18P_Lt_Governor	23.78%	Ahmad	D	0.102938622
18P_Lt_Governor	18.55%	Cozzone	D	0.13733831
18P_Lt_Governor	37.48%	Fetterman	D	0.693745136
18P_Lt_Governor	3.58%	Sosa	D	0.019706571
18P_Lt_Governor	16.62%	Stack	D	0.046271376
20G_AG		Shapiro	D	0.403946698
20G_AG		Heidelbaugh	R	0.596053302
20G_Auditor	46.35%	Ahmad	D	0.341091692
20G_Auditor	49.44%	Defoor	R	0.658908308
20G_President	50.01%	Biden	D	0.342853636
20G_President	48.84%	Trump	R	0.657146335
20G_Treasurer		Torsella	D	0.359409481
20G_Treasurer		Garrity	R	0.640590489
20P_Auditor	36.44%	Ahmad	D	0.094015174
20P_Auditor	7.47%	Conklin	D	0.082165152
20P_Auditor	5.99%	Davis	D	0.024235854
20P_Auditor	9.00%	Fountain	D	0.032434925
20P_Auditor	13.97%	Hartman	D	0.060097441
20P_Auditor	27.14%	Lamb	D	0.707051456
20P_President	79.26%	Biden	D	0.790122688
20P_President	2.70%	Gabbard	D	0.055616084
20P_President	18.04%	Sanders	D	0.154261246

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.479082108
12G_AG	41.56%	Freed	R	0.520917892
12G_Auditor		Depasquale	D	0.388629347
12G_Auditor		Maher	R	0.611370683
12G_President		Obama	D	0.387412161
12G_President		Romney	R	0.61258781
12G_Treasurer		McCord	D	0.421617389
12G_Treasurer		Vaughan	R	0.578382611
12G_US_Senate	53.69%	Casey	D	0.398699611
12G_US_Senate	44.59%	Smith	R	0.601300359
12P_AG	52.82%	Kane	D	0.602644145
12P_AG	47.18%	Murphy	D	0.397355825
12P_US_Senate	80.88%	Casey	D	0.807443976
12P_US_Senate	19.12%	Vodvarka	D	0.192556038
14G_Governor	54.93%	Wolf	D	0.446128398
14G_Governor	45.07%	Corbett	R	0.553871632
14P_Governor	16.84%	McCord	D	0.197303489
14P_Governor	7.66%	McGinty	D	0.114638887
14P_Governor	17.64%	Schwartz	D	0.085281365
14P_Governor	57.86%	Wolf	D	0.602776229
14P_Lt_Governor	15.88%	Critz	D	0.380328149
14P_Lt_Governor	11.91%	Koplinski	D	0.118442036
14P_Lt_Governor	10.84%	Neuman	D	0.072870776
14P_Lt_Governor	14.57%	Smith	D	0.245425299
14P_Lt_Governor	46.79%	Stack	D	0.182933748
16G_AG	51.39%	Shapiro	D	0.370892197
16G_AG	48.61%	Rafferty	R	0.629107773
16G_Auditor		Depasquale	D	0.383594573
16G_Auditor		Brown	R	0.616405427
16G_President	47.85%	Clinton	D	0.317862451
16G_President	48.58%	Trump	R	0.682137549
16G_Treasurer		Torsella	D	0.394515693
16G_Treasurer		Voit	R	0.605484307
16G_US_Senate	47.34%	McGinty	D	0.344491869
16G_US_Senate	48.77%	Toomey	R	0.655508161
16P_AG	16.22%	Morganelli	D	0.189760044
16P_AG	47.03%	Shapiro	D	0.439615577
16P_AG	36.74%	Zappala	D	0.370624363
16P_President	55.61%	Clinton	D	0.467233121
16P_President	0.86%	DeLaFuente	D	0.015606711
16P_President	43.53%	Sanders	D	0.517160177
16P_US_Senate	19.49%	Fetterman	D	0.220169201
16P_US_Senate	42.50%	McGinty	D	0.444835186
16P_US_Senate	32.57%	Sestak	D	0.281192809
16P_US_Senate	5.45%	Vodvarka	D	0.053802803

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.336722732
17G_Supreme_Court		Mundy	R	0.663277268
18G_Governor	57.77%	Wolf	D	0.414250076
18G_Governor	40.70%	Wagner	R	0.585749924
18G_US_Senator		Casey	D	0.413715571
18G_US_Senator		Barletta	R	0.586284399
18P_Lt_Governor	23.78%	Ahmad	D	0.163686648
18P_Lt_Governor	18.55%	Cozzone	D	0.213146389
18P_Lt_Governor	37.48%	Fetterman	D	0.495948046
18P_Lt_Governor	3.58%	Sosa	D	0.036596347
18P_Lt_Governor	16.62%	Stack	D	0.090622589
20G_AG		Shapiro	D	0.345646381
20G_AG		Heidelbaugh	R	0.654353619
20G_Auditor	46.35%	Ahmad	D	0.301211953
20G_Auditor	49.44%	Defoor	R	0.698788047
20G_President	50.01%	Biden	D	0.319568187
20G_President	48.84%	Trump	R	0.680431843
20G_Treasurer		Torsella	D	0.318076462
20G_Treasurer		Garrity	R	0.681923509
20P_Auditor	36.44%	Ahmad	D	0.110000856
20P_Auditor	7.47%	Conklin	D	0.449825227
20P_Auditor	5.99%	Davis	D	0.038195923
20P_Auditor	9.00%	Fountain	D	0.060209736
20P_Auditor	13.97%	Hartman	D	0.073629469
20P_Auditor	27.14%	Lamb	D	0.268138796
20P_President	79.26%	Biden	D	0.75263536
20P_President	2.70%	Gabbard	D	0.045919351
20P_President	18.04%	Sanders	D	0.201445282

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.508469999
12G_AG	41.56%	Freed	R	0.491530031
12G_Auditor		Depasquale	D	0.44589746
12G_Auditor		Maher	R	0.55410254
12G_President		Obama	D	0.462089598
12G_President		Romney	R	0.537910402
12G_Treasurer		McCord	D	0.487285405
12G_Treasurer		Vaughan	R	0.512714565
12G_US_Senate	53.69%	Casey	D	0.469372183
12G_US_Senate	44.59%	Smith	R	0.530627847
12P_AG	52.82%	Kane	D	0.682794571
12P_AG	47.18%	Murphy	D	0.317205399
12P_US_Senate	80.88%	Casey	D	0.771903574
12P_US_Senate	19.12%	Vodvarka	D	0.22809644
14G_Governor	54.93%	Wolf	D	0.484701723
14G_Governor	45.07%	Corbett	R	0.515298247
14P_Governor	16.84%	McCord	D	0.25301972
14P_Governor	7.66%	McGinty	D	0.089410588
14P_Governor	17.64%	Schwartz	D	0.071905367
14P_Governor	57.86%	Wolf	D	0.585664332
14P_Lt_Governor	15.88%	Critz	D	0.171042755
14P_Lt_Governor	11.91%	Koplinski	D	0.097224303
14P_Lt_Governor	10.84%	Neuman	D	0.215053767
14P_Lt_Governor	14.57%	Smith	D	0.303075761
14P_Lt_Governor	46.79%	Stack	D	0.213603407
16G_AG	51.39%	Shapiro	D	0.417487711
16G_AG	48.61%	Rafferty	R	0.582512259
16G_Auditor		Depasquale	D	0.43417573
16G_Auditor		Brown	R	0.56582427
16G_President	47.85%	Clinton	D	0.380601883
16G_President	48.58%	Trump	R	0.619398117
16G_Treasurer		Torsella	D	0.453258425
16G_Treasurer		Voit	R	0.546741545
16G_US_Senate	47.34%	McGinty	D	0.392325819
16G_US_Senate	48.77%	Toomey	R	0.607674181
16P_AG	16.22%	Morganelli	D	0.168594256
16P_AG	47.03%	Shapiro	D	0.369709551
16P_AG	36.74%	Zappala	D	0.461696208
16P_President	55.61%	Clinton	D	0.528489232
16P_President	0.86%	DeLaFuente	D	0.01281179
16P_President	43.53%	Sanders	D	0.458698988
16P_US_Senate	19.49%	Fetterman	D	0.240193442
16P_US_Senate	42.50%	McGinty	D	0.377873302
16P_US_Senate	32.57%	Sestak	D	0.309905082
16P_US_Senate	5.45%	Vodvarka	D	0.072028182

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.392178863
17G_Supreme_Court		Mundy	R	0.607821107
18G_Governor	57.77%	Wolf	D	0.49022904
18G_Governor	40.70%	Wagner	R	0.509770989
18G_US_Senator		Casey	D	0.475408554
18G_US_Senator		Barletta	R	0.524591446
18P_Lt_Governor	23.78%	Ahmad	D	0.101078786
18P_Lt_Governor	18.55%	Cozzone	D	0.196380183
18P_Lt_Governor	37.48%	Fetterman	D	0.62513423
18P_Lt_Governor	3.58%	Sosa	D	0.025308043
18P_Lt_Governor	16.62%	Stack	D	0.052098777
20G_AG		Shapiro	D	0.426242858
20G_AG		Heidelbaugh	R	0.573757172
20G_Auditor	46.35%	Ahmad	D	0.372643024
20G_Auditor	49.44%	Defoor	R	0.627357006
20G_President	50.01%	Biden	D	0.38920489
20G_President	48.84%	Trump	R	0.61079514
20G_Treasurer		Torsella	D	0.390127718
20G_Treasurer		Garrity	R	0.609872282
20P_Auditor	36.44%	Ahmad	D	0.126189604
20P_Auditor	7.47%	Conklin	D	0.079127952
20P_Auditor	5.99%	Davis	D	0.05138234
20P_Auditor	9.00%	Fountain	D	0.064005531
20P_Auditor	13.97%	Hartman	D	0.099926576
20P_Auditor	27.14%	Lamb	D	0.579367995
20P_President	79.26%	Biden	D	0.792382658
20P_President	2.70%	Gabbard	D	0.037302434
20P_President	18.04%	Sanders	D	0.170314893

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.568965495
12G_AG	41.56%	Freed	R	0.431034535
12G_Auditor		Depasquale	D	0.517339587
12G_Auditor		Maher	R	0.482660413
12G_President		Obama	D	0.503340542
12G_President		Romney	R	0.496659428
12G_Treasurer		McCord	D	0.543274343
12G_Treasurer		Vaughan	R	0.456725657
12G_US_Senate	53.69%	Casey	D	0.539657116
12G_US_Senate	44.59%	Smith	R	0.460342884
12P_AG	52.82%	Kane	D	0.535385787
12P_AG	47.18%	Murphy	D	0.464614183
12P_US_Senate	80.88%	Casey	D	0.716169953
12P_US_Senate	19.12%	Vodvarka	D	0.283830047
14G_Governor	54.93%	Wolf	D	0.522036612
14G_Governor	45.07%	Corbett	R	0.477963358
14P_Governor	16.84%	McCord	D	0.170179129
14P_Governor	7.66%	McGinty	D	0.106290087
14P_Governor	17.64%	Schwartz	D	0.11372824
14P_Governor	57.86%	Wolf	D	0.609802544
14P_Lt_Governor	15.88%	Critz	D	0.330979913
14P_Lt_Governor	11.91%	Koplinski	D	0.043850824
14P_Lt_Governor	10.84%	Neuman	D	0.236024603
14P_Lt_Governor	14.57%	Smith	D	0.080022439
14P_Lt_Governor	46.79%	Stack	D	0.309122205
16G_AG	51.39%	Shapiro	D	0.525004983
16G_AG	48.61%	Rafferty	R	0.474995017
16G_Auditor		Depasquale	D	0.583923817
16G_Auditor		Brown	R	0.416076183
16G_President	47.85%	Clinton	D	0.509844661
16G_President	48.58%	Trump	R	0.490155339
16G_Treasurer		Torsella	D	0.563599586
16G_Treasurer		Voit	R	0.436400414
16G_US_Senate	47.34%	McGinty	D	0.503054261
16G_US_Senate	48.77%	Toomey	R	0.496945769
16P_AG	16.22%	Morganelli	D	0.048302028
16P_AG	47.03%	Shapiro	D	0.198456466
16P_AG	36.74%	Zappala	D	0.753241479
16P_President	55.61%	Clinton	D	0.548998833
16P_President	0.86%	DeLaFuente	D	0.009930999
16P_President	43.53%	Sanders	D	0.441070139
16P_US_Senate	19.49%	Fetterman	D	0.366560012
16P_US_Senate	42.50%	McGinty	D	0.36866495
16P_US_Senate	32.57%	Sestak	D	0.198044419
16P_US_Senate	5.45%	Vodvarka	D	0.066730611

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.558182776
17G_Supreme_Court		Mundy	R	0.441817224
18G_Governor	57.77%	Wolf	D	0.622093499
18G_Governor	40.70%	Wagner	R	0.377906471
18G_US_Senator		Casey	D	0.60488075
18G_US_Senator		Barletta	R	0.39511928
18P_Lt_Governor	23.78%	Ahmad	D	0.119142301
18P_Lt_Governor	18.55%	Cozzone	D	0.082342051
18P_Lt_Governor	37.48%	Fetterman	D	0.758578718
18P_Lt_Governor	3.58%	Sosa	D	0.011261184
18P_Lt_Governor	16.62%	Stack	D	0.028675739
20G_AG		Shapiro	D	0.576450348
20G_AG		Heidelbaugh	R	0.423549622
20G_Auditor	46.35%	Ahmad	D	0.517279267
20G_Auditor	49.44%	Defoor	R	0.482720733
20G_President	50.01%	Biden	D	0.535171092
20G_President	48.84%	Trump	R	0.464828938
20G_Treasurer		Torsella	D	0.528055906
20G_Treasurer		Garrity	R	0.471944094
20P_Auditor	36.44%	Ahmad	D	0.111193784
20P_Auditor	7.47%	Conklin	D	0.015139609
20P_Auditor	5.99%	Davis	D	0.017271359
20P_Auditor	9.00%	Fountain	D	0.039316166
20P_Auditor	13.97%	Hartman	D	0.031265676
20P_Auditor	27.14%	Lamb	D	0.785813391
20P_President	79.26%	Biden	D	0.773052871
20P_President	2.70%	Gabbard	D	0.036428906
20P_President	18.04%	Sanders	D	0.19051823

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.655178308
12G_AG	41.56%	Freed	R	0.344821662
12G_Auditor		Depasquale	D	0.612621188
12G_Auditor		Maher	R	0.387378812
12G_President		Obama	D	0.595054984
12G_President		Romney	R	0.404944986
12G_Treasurer		McCord	D	0.63699615
12G_Treasurer		Vaughan	R	0.36300382
12G_US_Senate	53.69%	Casey	D	0.626065731
12G_US_Senate	44.59%	Smith	R	0.373934239
12P_AG	52.82%	Kane	D	0.527774394
12P_AG	47.18%	Murphy	D	0.472225606
12P_US_Senate	80.88%	Casey	D	0.72026521
12P_US_Senate	19.12%	Vodvarka	D	0.27973479
14G_Governor	54.93%	Wolf	D	0.606666088
14G_Governor	45.07%	Corbett	R	0.393333882
14P_Governor	16.84%	McCord	D	0.144380853
14P_Governor	7.66%	McGinty	D	0.103855938
14P_Governor	17.64%	Schwartz	D	0.144424215
14P_Governor	57.86%	Wolf	D	0.607339025
14P_Lt_Governor	15.88%	Critz	D	0.31238091
14P_Lt_Governor	11.91%	Koplinski	D	0.071598969
14P_Lt_Governor	10.84%	Neuman	D	0.196400836
14P_Lt_Governor	14.57%	Smith	D	0.073087946
14P_Lt_Governor	46.79%	Stack	D	0.346531332
16G_AG	51.39%	Shapiro	D	0.61544764
16G_AG	48.61%	Rafferty	R	0.38455236
16G_Auditor		Depasquale	D	0.673091352
16G_Auditor		Brown	R	0.326908618
16G_President	47.85%	Clinton	D	0.593011916
16G_President	48.58%	Trump	R	0.406988055
16G_Treasurer		Torsella	D	0.651313663
16G_Treasurer		Voit	R	0.348686367
16G_US_Senate	47.34%	McGinty	D	0.595703661
16G_US_Senate	48.77%	Toomey	R	0.404296339
16P_AG	16.22%	Morganelli	D	0.041766763
16P_AG	47.03%	Shapiro	D	0.241689086
16P_AG	36.74%	Zappala	D	0.716544151
16P_President	55.61%	Clinton	D	0.555069149
16P_President	0.86%	DeLaFuente	D	0.008407507
16P_President	43.53%	Sanders	D	0.436523318
16P_US_Senate	19.49%	Fetterman	D	0.442602009
16P_US_Senate	42.50%	McGinty	D	0.325024694
16P_US_Senate	32.57%	Sestak	D	0.182493299
16P_US_Senate	5.45%	Vodvarka	D	0.049879994

**Reconstituted Election Results for the Proposed Congressional Plan of Governor Wolf
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.638541043
17G_Supreme_Court		Mundy	R	0.361458927
18G_Governor	57.77%	Wolf	D	0.690896273
18G_Governor	40.70%	Wagner	R	0.309103698
18G_US_Senator		Casey	D	0.675426006
18G_US_Senator		Barletta	R	0.324573994
18P_Lt_Governor	23.78%	Ahmad	D	0.137207955
18P_Lt_Governor	18.55%	Cozzone	D	0.060890149
18P_Lt_Governor	37.48%	Fetterman	D	0.768437207
18P_Lt_Governor	3.58%	Sosa	D	0.009159751
18P_Lt_Governor	16.62%	Stack	D	0.024304949
20G_AG		Shapiro	D	0.647133291
20G_AG		Heidelbaugh	R	0.352866709
20G_Auditor	46.35%	Ahmad	D	0.59606117
20G_Auditor	49.44%	Defoor	R	0.4039388
20G_President	50.01%	Biden	D	0.602012515
20G_President	48.84%	Trump	R	0.397987455
20G_Treasurer		Torsella	D	0.6040591
20G_Treasurer		Garrity	R	0.3959409
20P_Auditor	36.44%	Ahmad	D	0.135633036
20P_Auditor	7.47%	Conklin	D	0.01187577
20P_Auditor	5.99%	Davis	D	0.017075896
20P_Auditor	9.00%	Fountain	D	0.051070109
20P_Auditor	13.97%	Hartman	D	0.02684583
20P_Auditor	27.14%	Lamb	D	0.757499337
20P_President	79.26%	Biden	D	0.759604752
20P_President	2.70%	Gabbard	D	0.031473566
20P_President	18.04%	Sanders	D	0.208921716

Carter Petitioners

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.524498522
12G_AG	41.56%	Freed	R	0.475501478
12G_Auditor		Depasquale	D	0.476495862
12G_Auditor		Maher	R	0.523504138
12G_President		Obama	D	0.504000366
12G_President		Romney	R	0.495999634
12G_Treasurer		McCord	D	0.500368655
12G_Treasurer		Vaughan	R	0.499631315
12G_US_Senate	53.69%	Casey	D	0.520259202
12G_US_Senate	44.59%	Smith	R	0.479740798
12P_AG	52.82%	Kane	D	0.293750614
12P_AG	47.18%	Murphy	D	0.706249416
12P_US_Senate	80.88%	Casey	D	0.843663931
12P_US_Senate	19.12%	Vodvarka	D	0.156336084
14G_Governor	54.93%	Wolf	D	0.519659758
14G_Governor	45.07%	Corbett	R	0.480340272
14P_Governor	16.84%	McCord	D	0.157922983
14P_Governor	7.66%	McGinty	D	0.056293007
14P_Governor	17.64%	Schwartz	D	0.272802681
14P_Governor	57.86%	Wolf	D	0.512981296
14P_Lt_Governor	15.88%	Critz	D	0.035248041
14P_Lt_Governor	11.91%	Koplinski	D	0.109633379
14P_Lt_Governor	10.84%	Neuman	D	0.063043952
14P_Lt_Governor	14.57%	Smith	D	0.132996082
14P_Lt_Governor	46.79%	Stack	D	0.659078538
16G_AG	51.39%	Shapiro	D	0.505772889
16G_AG	48.61%	Rafferty	R	0.494227111
16G_Auditor		Depasquale	D	0.474861801
16G_Auditor		Brown	R	0.525138199
16G_President	47.85%	Clinton	D	0.503663659
16G_President	48.58%	Trump	R	0.496336341
16G_Treasurer		Torsella	D	0.501689434
16G_Treasurer		Voit	R	0.498310566
16G_US_Senate	47.34%	McGinty	D	0.470212191
16G_US_Senate	48.77%	Toomey	R	0.529787779
16P_AG	16.22%	Morganelli	D	0.161395475
16P_AG	47.03%	Shapiro	D	0.638675213
16P_AG	36.74%	Zappala	D	0.199929342
16P_President	55.61%	Clinton	D	0.555299938
16P_President	0.86%	DeLaFuente	D	0.00925379
16P_President	43.53%	Sanders	D	0.435446262
16P_US_Senate	19.49%	Fetterman	D	0.106923185
16P_US_Senate	42.50%	McGinty	D	0.435151219
16P_US_Senate	32.57%	Sestak	D	0.425587088
16P_US_Senate	5.45%	Vodvarka	D	0.0323385

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.484123856
17G_Supreme_Court		Mundy	R	0.515876114
18G_Governor	57.77%	Wolf	D	0.592709959
18G_Governor	40.70%	Wagner	R	0.407290012
18G_US_Senator		Casey	D	0.570400596
18G_US_Senator		Barletta	R	0.429599404
18P_Lt_Governor	23.78%	Ahmad	D	0.289772391
18P_Lt_Governor	18.55%	Cozzone	D	0.209153935
18P_Lt_Governor	37.48%	Fetterman	D	0.198233023
18P_Lt_Governor	3.58%	Sosa	D	0.08630386
18P_Lt_Governor	16.62%	Stack	D	0.216536805
20G_AG		Shapiro	D	0.526266038
20G_AG		Heidelbaugh	R	0.473733932
20G_Auditor	46.35%	Ahmad	D	0.484831929
20G_Auditor	49.44%	Defoor	R	0.515168071
20G_President	50.01%	Biden	D	0.523269773
20G_President	48.84%	Trump	R	0.476730257
20G_Treasurer		Torsella	D	0.506097019
20G_Treasurer		Garrity	R	0.493902981
20P_Auditor	36.44%	Ahmad	D	0.592207849
20P_Auditor	7.47%	Conklin	D	0.044280402
20P_Auditor	5.99%	Davis	D	0.044642366
20P_Auditor	9.00%	Fountain	D	0.087123916
20P_Auditor	13.97%	Hartman	D	0.156895429
20P_Auditor	27.14%	Lamb	D	0.07485
20P_President	79.26%	Biden	D	0.819622278
20P_President	2.70%	Gabbard	D	0.020240437
20P_President	18.04%	Sanders	D	0.160137281

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.799877822
12G_AG	41.56%	Freed	R	0.200122163
12G_Auditor		Depasquale	D	0.767276525
12G_Auditor		Maher	R	0.232723489
12G_President		Obama	D	0.781616628
12G_President		Romney	R	0.218383357
12G_Treasurer		McCord	D	0.79431957
12G_Treasurer		Vaughan	R	0.20568043
12G_US_Senate	53.69%	Casey	D	0.799709618
12G_US_Senate	44.59%	Smith	R	0.200290382
12P_AG	52.82%	Kane	D	0.356266797
12P_AG	47.18%	Murphy	D	0.643733203
12P_US_Senate	80.88%	Casey	D	0.782842517
12P_US_Senate	19.12%	Vodvarka	D	0.217157513
14G_Governor	54.93%	Wolf	D	0.801913917
14G_Governor	45.07%	Corbett	R	0.198086068
14P_Governor	16.84%	McCord	D	0.137065798
14P_Governor	7.66%	McGinty	D	0.051191159
14P_Governor	17.64%	Schwartz	D	0.326747656
14P_Governor	57.86%	Wolf	D	0.484995395
14P_Lt_Governor	15.88%	Critz	D	0.040266611
14P_Lt_Governor	11.91%	Koplinski	D	0.032500345
14P_Lt_Governor	10.84%	Neuman	D	0.032991879
14P_Lt_Governor	14.57%	Smith	D	0.054658774
14P_Lt_Governor	46.79%	Stack	D	0.839582384
15G_Mayor		Kenney	D	0.773563564
15G_Mayor		Bailey	R	0.214865223
15G_Mayor		Foster	U	0.006395194
15G_Mayor		Hart	U	0.003879234
15G_Mayor		Kindij	U	0.001296773
15G_Sheriff		Williams	D	0.675718248
15G_Sheriff		Sawyer	R	0.324281782
15P_Mayor		Abraham	D	0.120497659
15P_Mayor		Diaz	D	0.068312727
15P_Mayor		Kenney	D	0.593976378
15P_Mayor		Oliver	D	0.033727568
15P_Mayor		Street	D	0.013836623
15P_Mayor		Williams	D	0.169649035
16G_AG	51.39%	Shapiro	D	0.772874415
16G_AG	48.61%	Rafferty	R	0.22712557
16G_Auditor		Depasquale	D	0.759818554
16G_Auditor		Brown	R	0.240181461
16G_Congress_Dist1		Brady	D	0.812716961
16G_Congress_Dist1		Williams	R	0.187283039
16G_President	47.85%	Clinton	D	0.751904547

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.248095453
16G_Treasurer		Torsella	D	0.787490964
16G_Treasurer		Voit	R	0.212509006
16G_US_Senate	47.34%	McGinty	D	0.741394818
16G_US_Senate	48.77%	Toomey	R	0.258605182
16P_AG	16.22%	Morganelli	D	0.125694036
16P_AG	47.03%	Shapiro	D	0.513112128
16P_AG	36.74%	Zappala	D	0.361193836
16P_Congress_Dist2		Evans	D	0.430249959
16P_Congress_Dist2		Fattah	D	0.41902411
16P_Congress_Dist2		Gordon	D	0.133213595
16P_Congress_Dist2		Muroff	D	0.017512348
16P_President	55.61%	Clinton	D	0.60721463
16P_President	0.86%	DeLaFuente	D	0.007192038
16P_President	43.53%	Sanders	D	0.385593325
16P_US_Senate	19.49%	Fetterman	D	0.198998705
16P_US_Senate	42.50%	McGinty	D	0.389973134
16P_US_Senate	32.57%	Sestak	D	0.27921176
16P_US_Senate	5.45%	Vodvarka	D	0.131816417
17G_Supreme_Court		Woodruff	D	0.64011693
17G_Supreme_Court		Mundy	R	0.35988304
17P_DA		Deni	D	0.024001971
17P_DA		Khan	D	0.207218498
17P_DA		Krasner	D	0.289456606
17P_DA		Negrin	D	0.188836396
17P_DA		ONeill	D	0.105366856
17P_DA		Shabazz	D	0.074088171
17P_DA		Untermeyer	D	0.111031502
18G_Congress_Dist2		Boyle	D	0.790169418
18G_Congress_Dist2		Torres	R	0.209830582
18G_Congress_Dist3		Evans	D	0.881929576
18G_Congress_Dist3		Leib	R	0.118070431
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.805707037
18G_Governor	40.70%	Wagner	R	0.194292948
18G_US_Senator		Casey	D	0.799875915
18G_US_Senator		Barletta	R	0.2001241
18P_Congress_Dist2		Boyle	D	0.645664334
18P_Congress_Dist2		Lawrence	D	0.354335666
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.199990079
18P_Lt_Governor	18.55%	Cozzone	D	0.162521392
18P_Lt_Governor	37.48%	Fetterman	D	0.170952469
18P_Lt_Governor	3.58%	Sosa	D	0.0136881
18P_Lt_Governor	16.62%	Stack	D	0.452847958
19P_Mayor		Butkovitz	D	0.157706633
19P_Mayor		Kenney	D	0.622717857
19P_Mayor		Williams	D	0.219575509
19P_Municipal_Judge		Brunson	D	0.436882883
19P_Municipal_Judge		Conroy	D	0.563117146
19P_Register_Wills		Donatucci	D	0.432181031
19P_Register_Wills		Gordon	D	0.417123884
19P_Register_Wills		Whaumbush	D	0.1506951
20G_AG		Shapiro	D	0.737824023
20G_AG		Heidelbaugh	R	0.262176007
20G_Auditor	46.35%	Ahmad	D	0.719324708
20G_Auditor	49.44%	Defoor	R	0.280675292
20G_Congress_Dist2		Boyle	D	0.72522229
20G_Congress_Dist2		Torres	R	0.27477774
20G_President	50.01%	Biden	D	0.714937449
20G_President	48.84%	Trump	R	0.285062522
20G_Treasurer		Torsella	D	0.724960089
20G_Treasurer		Garrity	R	0.275039911
20P_Auditor	36.44%	Ahmad	D	0.695519567
20P_Auditor	7.47%	Conklin	D	0.035264652
20P_Auditor	5.99%	Davis	D	0.057794847
20P_Auditor	9.00%	Fountain	D	0.055223465
20P_Auditor	13.97%	Hartman	D	0.054800466
20P_Auditor	27.14%	Lamb	D	0.101397008
20P_President	79.26%	Biden	D	0.785849988
20P_President	2.70%	Gabbard	D	0.022313219
20P_President	18.04%	Sanders	D	0.191836774
21G_Superior_Judge		Lane	D	0.627521276
21G_Superior_Judge		Sullivan	R	0.372478753
21P_DA		Krasner	D	0.481269449
21P_DA		Vega	D	0.518730521
21P_Superior_Judge		Beck	D	0.178893745
21P_Superior_Judge		Lane	D	0.771429658
21P_Superior_Judge		Neft	D	0.049676571

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.921784282
12G_AG	41.56%	Freed	R	0.078215718
12G_Auditor		Depasquale	D	0.908321321
12G_Auditor		Maher	R	0.091678664
12G_President		Obama	D	0.919074416
12G_President		Romney	R	0.080925569
12G_Treasurer		McCord	D	0.917897642
12G_Treasurer		Vaughan	R	0.082102358
12G_US_Senate	53.69%	Casey	D	0.922967732
12G_US_Senate	44.59%	Smith	R	0.077032275
12P_AG	52.82%	Kane	D	0.372556508
12P_AG	47.18%	Murphy	D	0.627443492
12P_US_Senate	80.88%	Casey	D	0.814129293
12P_US_Senate	19.12%	Vodvarka	D	0.185870707
14G_Governor	54.93%	Wolf	D	0.933479548
14G_Governor	45.07%	Corbett	R	0.066520482
14P_Governor	16.84%	McCord	D	0.161568269
14P_Governor	7.66%	McGinty	D	0.034731377
14P_Governor	17.64%	Schwartz	D	0.326107055
14P_Governor	57.86%	Wolf	D	0.477593303
14P_Lt_Governor	15.88%	Critz	D	0.033741828
14P_Lt_Governor	11.91%	Koplinski	D	0.035171117
14P_Lt_Governor	10.84%	Neuman	D	0.041040841
14P_Lt_Governor	14.57%	Smith	D	0.061824869
14P_Lt_Governor	46.79%	Stack	D	0.828221262
15G_Mayor		Kenney	D	0.903435707
15G_Mayor		Bailey	R	0.080878131
15G_Mayor		Foster	U	0.007973799
15G_Mayor		Hart	U	0.006267202
15G_Mayor		Kindij	U	0.00144516
15G_Sheriff		Williams	D	0.859359622
15G_Sheriff		Sawyer	R	0.140640393
15P_Mayor		Abraham	D	0.067445807
15P_Mayor		Diaz	D	0.022407776
15P_Mayor		Kenney	D	0.537112236
15P_Mayor		Oliver	D	0.04873674
15P_Mayor		Street	D	0.018201537
15P_Mayor		Williams	D	0.306095928
16G_AG	51.39%	Shapiro	D	0.906993568
16G_AG	48.61%	Rafferty	R	0.093006454
16G_Auditor		Depasquale	D	0.903186381
16G_Auditor		Brown	R	0.096813589
16G_Congress_Dist1		Brady	D	0.858025193
16G_Congress_Dist1		Williams	R	0.141974822
16G_President	47.85%	Clinton	D	0.918068588

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.081931405
16G_Treasurer		Torsella	D	0.911331296
16G_Treasurer		Voit	R	0.088668719
16G_US_Senate	47.34%	McGinty	D	0.89632684
16G_US_Senate	48.77%	Toomey	R	0.103673168
16P_AG	16.22%	Morganelli	D	0.090773843
16P_AG	47.03%	Shapiro	D	0.602604389
16P_AG	36.74%	Zappala	D	0.30662179
16P_Congress_Dist2		Evans	D	0.43665871
16P_Congress_Dist2		Fattah	D	0.361550093
16P_Congress_Dist2		Gordon	D	0.110893011
16P_Congress_Dist2		Muroff	D	0.090898201
16P_President	55.61%	Clinton	D	0.634041965
16P_President	0.86%	DeLaFuente	D	0.002511658
16P_President	43.53%	Sanders	D	0.363446385
16P_US_Senate	19.49%	Fetterman	D	0.175020963
16P_US_Senate	42.50%	McGinty	D	0.458468854
16P_US_Senate	32.57%	Sestak	D	0.266633123
16P_US_Senate	5.45%	Vodvarka	D	0.099877059
17G_Supreme_Court		Woodruff	D	0.896788597
17G_Supreme_Court		Mundy	R	0.103211403
17P_DA		Deni	D	0.011260509
17P_DA		Khan	D	0.204225555
17P_DA		Krasner	D	0.427832544
17P_DA		Negrin	D	0.121498987
17P_DA		ONeill	D	0.03402964
17P_DA		Shabazz	D	0.132349148
17P_DA		Untermeyer	D	0.068803616
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.935851276
18G_Congress_Dist3		Leib	R	0.064148724
18G_Congress_Dist5		Scanlon	D	0.761320114
18G_Congress_Dist5		Kim	R	0.238679916
18G_Governor	57.77%	Wolf	D	0.938270867
18G_Governor	40.70%	Wagner	R	0.061729152
18G_US_Senator		Casey	D	0.935738802
18G_US_Senator		Barletta	R	0.06426122
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.015381895
18P_Congress_Dist5		Davidson	D	0.006188119
18P_Congress_Dist5		Kirkland	D	0.008663367
18P_Congress_Dist5		Lazer	D	0.46375531
18P_Congress_Dist5		Li	D	0.115983024
18P_Congress_Dist5		Lunkenheimer	D	0.068246111
18P_Congress_Dist5		Scanlon	D	0.102369167

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.147277221
18P_Congress_Dist5		Vitali	D	0.033592645
18P_Congress_Dist5		Wright	D	0.038543139
18P_Lt_Governor	23.78%	Ahmad	D	0.314383894
18P_Lt_Governor	18.55%	Cozzone	D	0.152170077
18P_Lt_Governor	37.48%	Fetterman	D	0.184334397
18P_Lt_Governor	3.58%	Sosa	D	0.008198532
18P_Lt_Governor	16.62%	Stack	D	0.340913117
19P_Mayor		Butkovitz	D	0.055515267
19P_Mayor		Kenney	D	0.698091805
19P_Mayor		Williams	D	0.246392906
19P_Municipal_Judge		Brunson	D	0.452390105
19P_Municipal_Judge		Conroy	D	0.547609866
19P_Register_Wills		Donatucci	D	0.371775508
19P_Register_Wills		Gordon	D	0.460597932
19P_Register_Wills		Whaumbush	D	0.16762656
20G_AG		Shapiro	D	0.905590355
20G_AG		Heidelbaugh	R	0.094409674
20G_Auditor	46.35%	Ahmad	D	0.898536444
20G_Auditor	49.44%	Defoor	R	0.101463564
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.906697035
20G_President	48.84%	Trump	R	0.09330295
20G_Treasurer		Torsella	D	0.897864461
20G_Treasurer		Garrity	R	0.102135517
20P_Auditor	36.44%	Ahmad	D	0.734968543
20P_Auditor	7.47%	Conklin	D	0.024227424
20P_Auditor	5.99%	Davis	D	0.044606164
20P_Auditor	9.00%	Fountain	D	0.065955587
20P_Auditor	13.97%	Hartman	D	0.035898369
20P_Auditor	27.14%	Lamb	D	0.094343908
20P_President	79.26%	Biden	D	0.793807328
20P_President	2.70%	Gabbard	D	0.010394423
20P_President	18.04%	Sanders	D	0.195798263
21G_Superior_Judge		Lane	D	0.908311367
21G_Superior_Judge		Sullivan	R	0.09168864
21P_DA		Krasner	D	0.773086607
21P_DA		Vega	D	0.226913407
21P_Superior_Judge		Beck	D	0.102561504
21P_Superior_Judge		Lane	D	0.873583317
21P_Superior_Judge		Neft	D	0.023855155

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.570300281
12G_AG	41.56%	Freed	R	0.429699719
12G_Auditor		Depasquale	D	0.516905844
12G_Auditor		Maher	R	0.483094186
12G_President		Obama	D	0.549573541
12G_President		Romney	R	0.45042643
12G_Treasurer		McCord	D	0.549781263
12G_Treasurer		Vaughan	R	0.450218737
12G_US_Senate	53.69%	Casey	D	0.569779456
12G_US_Senate	44.59%	Smith	R	0.430220515
12P_AG	52.82%	Kane	D	0.402460515
12P_AG	47.18%	Murphy	D	0.597539485
12P_US_Senate	80.88%	Casey	D	0.866479993
12P_US_Senate	19.12%	Vodvarka	D	0.133520022
14G_Governor	54.93%	Wolf	D	0.582207739
14G_Governor	45.07%	Corbett	R	0.417792261
14P_Governor	16.84%	McCord	D	0.148378357
14P_Governor	7.66%	McGinty	D	0.041196134
14P_Governor	17.64%	Schwartz	D	0.37090975
14P_Governor	57.86%	Wolf	D	0.439515769
14P_Lt_Governor	15.88%	Critz	D	0.034119729
14P_Lt_Governor	11.91%	Koplinski	D	0.107367389
14P_Lt_Governor	10.84%	Neuman	D	0.057882063
14P_Lt_Governor	14.57%	Smith	D	0.137139574
14P_Lt_Governor	46.79%	Stack	D	0.663491249
16G_AG	51.39%	Shapiro	D	0.564158261
16G_AG	48.61%	Rafferty	R	0.435841769
16G_Auditor		Depasquale	D	0.527899861
16G_Auditor		Brown	R	0.472100109
16G_President	47.85%	Clinton	D	0.572388649
16G_President	48.58%	Trump	R	0.427611381
16G_Treasurer		Torsella	D	0.561084151
16G_Treasurer		Voit	R	0.438915879
16G_US_Senate	47.34%	McGinty	D	0.527023196
16G_US_Senate	48.77%	Toomey	R	0.472976834
16P_AG	16.22%	Morganelli	D	0.081958279
16P_AG	47.03%	Shapiro	D	0.778828323
16P_AG	36.74%	Zappala	D	0.139213398
16P_President	55.61%	Clinton	D	0.573933303
16P_President	0.86%	DeLaFuente	D	0.004414461
16P_President	43.53%	Sanders	D	0.421652228
16P_US_Senate	19.49%	Fetterman	D	0.100770526
16P_US_Senate	42.50%	McGinty	D	0.448501021
16P_US_Senate	32.57%	Sestak	D	0.439180136
16P_US_Senate	5.45%	Vodvarka	D	0.011548315

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.542156696
17G_Supreme_Court		Mundy	R	0.457843333
18G_Governor	57.77%	Wolf	D	0.653500795
18G_Governor	40.70%	Wagner	R	0.346499205
18G_US_Senator		Casey	D	0.633559048
18G_US_Senator		Barletta	R	0.366440982
18P_Lt_Governor	23.78%	Ahmad	D	0.312443644
18P_Lt_Governor	18.55%	Cozzone	D	0.1663661
18P_Lt_Governor	37.48%	Fetterman	D	0.24165915
18P_Lt_Governor	3.58%	Sosa	D	0.1274537
18P_Lt_Governor	16.62%	Stack	D	0.152077407
20G_AG		Shapiro	D	0.603067577
20G_AG		Heidelbaugh	R	0.396932453
20G_Auditor	46.35%	Ahmad	D	0.559437752
20G_Auditor	49.44%	Defoor	R	0.440562218
20G_President	50.01%	Biden	D	0.595724642
20G_President	48.84%	Trump	R	0.404275388
20G_Treasurer		Torsella	D	0.576824844
20G_Treasurer		Garrity	R	0.423175186
20P_Auditor	36.44%	Ahmad	D	0.575658023
20P_Auditor	7.47%	Conklin	D	0.048081581
20P_Auditor	5.99%	Davis	D	0.04279789
20P_Auditor	9.00%	Fountain	D	0.077969655
20P_Auditor	13.97%	Hartman	D	0.186021119
20P_Auditor	27.14%	Lamb	D	0.069471717
20P_President	79.26%	Biden	D	0.817252398
20P_President	2.70%	Gabbard	D	0.017299116
20P_President	18.04%	Sanders	D	0.165448457

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.642491519
12G_AG	41.56%	Freed	R	0.357508481
12G_Auditor		Depasquale	D	0.597804189
12G_Auditor		Maher	R	0.402195811
12G_President		Obama	D	0.639225245
12G_President		Romney	R	0.360774755
12G_Treasurer		McCord	D	0.619955599
12G_Treasurer		Vaughan	R	0.38004443
12G_US_Senate	53.69%	Casey	D	0.653667748
12G_US_Senate	44.59%	Smith	R	0.346332222
12P_AG	52.82%	Kane	D	0.377681136
12P_AG	47.18%	Murphy	D	0.622318864
12P_US_Senate	80.88%	Casey	D	0.849686503
12P_US_Senate	19.12%	Vodvarka	D	0.150313467
14G_Governor	54.93%	Wolf	D	0.641596794
14G_Governor	45.07%	Corbett	R	0.358403176
14P_Governor	16.84%	McCord	D	0.17554602
14P_Governor	7.66%	McGinty	D	0.052118842
14P_Governor	17.64%	Schwartz	D	0.283402771
14P_Governor	57.86%	Wolf	D	0.488932371
14P_Lt_Governor	15.88%	Critz	D	0.039367579
14P_Lt_Governor	11.91%	Koplinski	D	0.083989054
14P_Lt_Governor	10.84%	Neuman	D	0.050730657
14P_Lt_Governor	14.57%	Smith	D	0.129197016
14P_Lt_Governor	46.79%	Stack	D	0.696715713
15G_Mayor		Kenney	D	0.896097779
15G_Mayor		Bailey	R	0.097696289
15G_Mayor		Foster	U	0.003479078
15G_Mayor		Hart	U	0.00216267
15G_Mayor		Kindij	U	0.000564175
15G_Sheriff		Williams	D	0.849431157
15G_Sheriff		Sawyer	R	0.150568873
15P_Mayor		Abraham	D	0.054203182
15P_Mayor		Diaz	D	0.010629666
15P_Mayor		Kenney	D	0.577409923
15P_Mayor		Oliver	D	0.023450179
15P_Mayor		Street	D	0.019149628
15P_Mayor		Williams	D	0.315157413
16G_AG	51.39%	Shapiro	D	0.619371176
16G_AG	48.61%	Rafferty	R	0.380628824
16G_Auditor		Depasquale	D	0.604729295
16G_Auditor		Brown	R	0.395270705
16G_Congress_Dist1		Brady	D	0.836453736
16G_Congress_Dist1		Williams	R	0.163546279
16G_President	47.85%	Clinton	D	0.649651349

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.350348651
16G_Treasurer		Torsella	D	0.627482831
16G_Treasurer		Voit	R	0.372517169
16G_US_Senate	47.34%	McGinty	D	0.600560427
16G_US_Senate	48.77%	Toomey	R	0.399439573
16P_AG	16.22%	Morganelli	D	0.100686058
16P_AG	47.03%	Shapiro	D	0.647624075
16P_AG	36.74%	Zappala	D	0.251689881
16P_Congress_Dist2		Evans	D	0.382222235
16P_Congress_Dist2		Fattah	D	0.487407416
16P_Congress_Dist2		Gordon	D	0.122962967
16P_Congress_Dist2		Muroff	D	0.007407407
16P_President	55.61%	Clinton	D	0.610567927
16P_President	0.86%	DeLaFuente	D	0.004288204
16P_President	43.53%	Sanders	D	0.385143846
16P_US_Senate	19.49%	Fetterman	D	0.083314419
16P_US_Senate	42.50%	McGinty	D	0.314281762
16P_US_Senate	32.57%	Sestak	D	0.563652694
16P_US_Senate	5.45%	Vodvarka	D	0.038751122
17G_Supreme_Court		Woodruff	D	0.541867197
17G_Supreme_Court		Mundy	R	0.458132774
17P_DA		Deni	D	0.014184397
17P_DA		Khan	D	0.142881855
17P_DA		Krasner	D	0.278325558
17P_DA		Negrin	D	0.153260678
17P_DA		ONeill	D	0.167964026
17P_DA		Shabazz	D	0.149801075
17P_DA		Untermeyer	D	0.093582422
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	0.828875184
18G_Congress_Dist5		Kim	R	0.171124846
18G_Governor	57.77%	Wolf	D	0.70371443
18G_Governor	40.70%	Wagner	R	0.296285599
18G_US_Senator		Casey	D	0.689297736
18G_US_Senator		Barletta	R	0.310702235
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.006774194
18P_Congress_Dist5		Davidson	D	0.03516129
18P_Congress_Dist5		Kirkland	D	0.041451614
18P_Congress_Dist5		Lazer	D	0.363225818
18P_Congress_Dist5		Li	D	0.132096767
18P_Congress_Dist5		Lunkenheimer	D	0.066290319
18P_Congress_Dist5		Scanlon	D	0.065645158

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.120645158
18P_Congress_Dist5		Vitali	D	0.047741935
18P_Congress_Dist5		Wright	D	0.120967738
18P_Lt_Governor	23.78%	Ahmad	D	0.361504912
18P_Lt_Governor	18.55%	Cozzone	D	0.219703093
18P_Lt_Governor	37.48%	Fetterman	D	0.188641086
18P_Lt_Governor	3.58%	Sosa	D	0.034544624
18P_Lt_Governor	16.62%	Stack	D	0.195606291
19P_Mayor		Butkovitz	D	0.095823966
19P_Mayor		Kenney	D	0.545723438
19P_Mayor		Williams	D	0.358452618
19P_Municipal_Judge		Brunson	D	0.384933919
19P_Municipal_Judge		Conroy	D	0.615066111
19P_Register_Wills		Donatucci	D	0.57457763
19P_Register_Wills		Gordon	D	0.333817303
19P_Register_Wills		Whaumbush	D	0.091605067
20G_AG		Shapiro	D	0.650053024
20G_AG		Heidelbaugh	R	0.349946946
20G_Auditor	46.35%	Ahmad	D	0.62449348
20G_Auditor	49.44%	Defoor	R	0.37550652
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.662144899
20G_President	48.84%	Trump	R	0.337855101
20G_Treasurer		Torsella	D	0.63546741
20G_Treasurer		Garrity	R	0.36453256
20P_Auditor	36.44%	Ahmad	D	0.686183631
20P_Auditor	7.47%	Conklin	D	0.037637904
20P_Auditor	5.99%	Davis	D	0.043154042
20P_Auditor	9.00%	Fountain	D	0.068561718
20P_Auditor	13.97%	Hartman	D	0.09901192
20P_Auditor	27.14%	Lamb	D	0.065450765
20P_President	79.26%	Biden	D	0.83110261
20P_President	2.70%	Gabbard	D	0.011704022
20P_President	18.04%	Sanders	D	0.157193378
21G_Superior_Judge		Lane	D	0.695186496
21G_Superior_Judge		Sullivan	R	0.304813474
21P_DA		Krasner	D	0.549227774
21P_DA		Vega	D	0.450772196
21P_Superior_Judge		Beck	D	0.145919785
21P_Superior_Judge		Lane	D	0.810857534
21P_Superior_Judge		Neft	D	0.043222684

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.535747647
12G_AG	41.56%	Freed	R	0.464252353
12G_Auditor		Depasquale	D	0.466077328
12G_Auditor		Maher	R	0.533922672
12G_President		Obama	D	0.515079975
12G_President		Romney	R	0.484920025
12G_Treasurer		McCord	D	0.501701593
12G_Treasurer		Vaughan	R	0.498298436
12G_US_Senate	53.69%	Casey	D	0.529294968
12G_US_Senate	44.59%	Smith	R	0.470705032
12P_AG	52.82%	Kane	D	0.449419171
12P_AG	47.18%	Murphy	D	0.550580859
12P_US_Senate	80.88%	Casey	D	0.857154906
12P_US_Senate	19.12%	Vodvarka	D	0.142845064
14G_Governor	54.93%	Wolf	D	0.525773942
14G_Governor	45.07%	Corbett	R	0.474226028
14P_Governor	16.84%	McCord	D	0.187929183
14P_Governor	7.66%	McGinty	D	0.087975368
14P_Governor	17.64%	Schwartz	D	0.177120864
14P_Governor	57.86%	Wolf	D	0.546974599
14P_Lt_Governor	15.88%	Critz	D	0.040649008
14P_Lt_Governor	11.91%	Koplinski	D	0.202314928
14P_Lt_Governor	10.84%	Neuman	D	0.052533675
14P_Lt_Governor	14.57%	Smith	D	0.154431775
14P_Lt_Governor	46.79%	Stack	D	0.550070643
16G_AG	51.39%	Shapiro	D	0.510677516
16G_AG	48.61%	Rafferty	R	0.489322484
16G_Auditor		Depasquale	D	0.491414309
16G_Auditor		Brown	R	0.508585691
16G_President	47.85%	Clinton	D	0.546300828
16G_President	48.58%	Trump	R	0.453699201
16G_Treasurer		Torsella	D	0.521302462
16G_Treasurer		Voit	R	0.478697538
16G_US_Senate	47.34%	McGinty	D	0.497206718
16G_US_Senate	48.77%	Toomey	R	0.502793312
16P_AG	16.22%	Morganelli	D	0.127570942
16P_AG	47.03%	Shapiro	D	0.651809275
16P_AG	36.74%	Zappala	D	0.220619783
16P_President	55.61%	Clinton	D	0.542817652
16P_President	0.86%	DeLaFuente	D	0.00466661
16P_President	43.53%	Sanders	D	0.452515721
16P_US_Senate	19.49%	Fetterman	D	0.07819622
16P_US_Senate	42.50%	McGinty	D	0.476586074
16P_US_Senate	32.57%	Sestak	D	0.426856369
16P_US_Senate	5.45%	Vodvarka	D	0.018361347

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.491433918
17G_Supreme_Court		Mundy	R	0.508566082
18G_Governor	57.77%	Wolf	D	0.619307339
18G_Governor	40.70%	Wagner	R	0.380692691
18G_US_Senator		Casey	D	0.599728167
18G_US_Senator		Barletta	R	0.400271833
18P_Lt_Governor	23.78%	Ahmad	D	0.190065488
18P_Lt_Governor	18.55%	Cozzone	D	0.557312489
18P_Lt_Governor	37.48%	Fetterman	D	0.152025774
18P_Lt_Governor	3.58%	Sosa	D	0.017622318
18P_Lt_Governor	16.62%	Stack	D	0.082973965
20G_AG		Shapiro	D	0.555743277
20G_AG		Heidelbaugh	R	0.444256723
20G_Auditor	46.35%	Ahmad	D	0.525775373
20G_Auditor	49.44%	Defoor	R	0.474224627
20G_President	50.01%	Biden	D	0.574430466
20G_President	48.84%	Trump	R	0.425569534
20G_Treasurer		Torsella	D	0.540007889
20G_Treasurer		Garrity	R	0.459992111
20P_Auditor	36.44%	Ahmad	D	0.382160366
20P_Auditor	7.47%	Conklin	D	0.040347956
20P_Auditor	5.99%	Davis	D	0.035211921
20P_Auditor	9.00%	Fountain	D	0.068723395
20P_Auditor	13.97%	Hartman	D	0.410709321
20P_Auditor	27.14%	Lamb	D	0.062847033
20P_President	79.26%	Biden	D	0.814334631
20P_President	2.70%	Gabbard	D	0.015984293
20P_President	18.04%	Sanders	D	0.169681057

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.563656211
12G_AG	41.56%	Freed	R	0.436343789
12G_Auditor		Depasquale	D	0.50652504
12G_Auditor		Maher	R	0.49347499
12G_President		Obama	D	0.52515012
12G_President		Romney	R	0.47484985
12G_Treasurer		McCord	D	0.537006497
12G_Treasurer		Vaughan	R	0.462993532
12G_US_Senate	53.69%	Casey	D	0.538746774
12G_US_Senate	44.59%	Smith	R	0.461253226
12P_AG	52.82%	Kane	D	0.512456954
12P_AG	47.18%	Murphy	D	0.487543076
12P_US_Senate	80.88%	Casey	D	0.822637439
12P_US_Senate	19.12%	Vodvarka	D	0.177362576
14G_Governor	54.93%	Wolf	D	0.546749055
14G_Governor	45.07%	Corbett	R	0.453250915
14P_Governor	16.84%	McCord	D	0.153337568
14P_Governor	7.66%	McGinty	D	0.062911421
14P_Governor	17.64%	Schwartz	D	0.144040883
14P_Governor	57.86%	Wolf	D	0.639710128
14P_Lt_Governor	15.88%	Critz	D	0.053218678
14P_Lt_Governor	11.91%	Koplinski	D	0.15136759
14P_Lt_Governor	10.84%	Neuman	D	0.070831604
14P_Lt_Governor	14.57%	Smith	D	0.234735459
14P_Lt_Governor	46.79%	Stack	D	0.489846677
16G_AG	51.39%	Shapiro	D	0.5120942
16G_AG	48.61%	Rafferty	R	0.4879058
16G_Auditor		Depasquale	D	0.490646869
16G_Auditor		Brown	R	0.509353161
16G_President	47.85%	Clinton	D	0.485171795
16G_President	48.58%	Trump	R	0.514828205
16G_Treasurer		Torsella	D	0.523031652
16G_Treasurer		Voit	R	0.476968348
16G_US_Senate	47.34%	McGinty	D	0.477133781
16G_US_Senate	48.77%	Toomey	R	0.522866249
16P_AG	16.22%	Morganelli	D	0.673222065
16P_AG	47.03%	Shapiro	D	0.235498443
16P_AG	36.74%	Zappala	D	0.091279477
16P_President	55.61%	Clinton	D	0.515032709
16P_President	0.86%	DeLaFuente	D	0.008168764
16P_President	43.53%	Sanders	D	0.476798534
16P_US_Senate	19.49%	Fetterman	D	0.109985106
16P_US_Senate	42.50%	McGinty	D	0.421346009
16P_US_Senate	32.57%	Sestak	D	0.429608732
16P_US_Senate	5.45%	Vodvarka	D	0.039060131

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.469595045
17G_Supreme_Court		Mundy	R	0.530404925
18G_Governor	57.77%	Wolf	D	0.580725551
18G_Governor	40.70%	Wagner	R	0.419274479
18G_US_Senator		Casey	D	0.551398814
18G_US_Senator		Barletta	R	0.448601186
18P_Lt_Governor	23.78%	Ahmad	D	0.284835666
18P_Lt_Governor	18.55%	Cozzone	D	0.239495173
18P_Lt_Governor	37.48%	Fetterman	D	0.19206357
18P_Lt_Governor	3.58%	Sosa	D	0.062807515
18P_Lt_Governor	16.62%	Stack	D	0.220798075
20G_AG		Shapiro	D	0.515673816
20G_AG		Heidelbaugh	R	0.484326154
20G_Auditor	46.35%	Ahmad	D	0.485154003
20G_Auditor	49.44%	Defoor	R	0.514846027
20G_President	50.01%	Biden	D	0.503043771
20G_President	48.84%	Trump	R	0.496956229
20G_Treasurer		Torsella	D	0.496591628
20G_Treasurer		Garrity	R	0.503408372
20P_Auditor	36.44%	Ahmad	D	0.338656127
20P_Auditor	7.47%	Conklin	D	0.086165801
20P_Auditor	5.99%	Davis	D	0.163885862
20P_Auditor	9.00%	Fountain	D	0.101651944
20P_Auditor	13.97%	Hartman	D	0.177746236
20P_Auditor	27.14%	Lamb	D	0.131894022
20P_President	79.26%	Biden	D	0.789885998
20P_President	2.70%	Gabbard	D	0.025838427
20P_President	18.04%	Sanders	D	0.184275582

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.640173376
12G_AG	41.56%	Freed	R	0.359826624
12G_Auditor		Depasquale	D	0.567492783
12G_Auditor		Maher	R	0.432507217
12G_President		Obama	D	0.564609468
12G_President		Romney	R	0.435390502
12G_Treasurer		McCord	D	0.599704862
12G_Treasurer		Vaughan	R	0.400295138
12G_US_Senate	53.69%	Casey	D	0.591644526
12G_US_Senate	44.59%	Smith	R	0.408355474
12P_AG	52.82%	Kane	D	0.770026326
12P_AG	47.18%	Murphy	D	0.229973659
12P_US_Senate	80.88%	Casey	D	0.905177474
12P_US_Senate	19.12%	Vodvarka	D	0.094822511
14G_Governor	54.93%	Wolf	D	0.598442674
14G_Governor	45.07%	Corbett	R	0.401557326
14P_Governor	16.84%	McCord	D	0.213233814
14P_Governor	7.66%	McGinty	D	0.087233417
14P_Governor	17.64%	Schwartz	D	0.063578464
14P_Governor	57.86%	Wolf	D	0.63595432
14P_Lt_Governor	15.88%	Critz	D	0.039635595
14P_Lt_Governor	11.91%	Koplinski	D	0.113174133
14P_Lt_Governor	10.84%	Neuman	D	0.075729363
14P_Lt_Governor	14.57%	Smith	D	0.338153124
14P_Lt_Governor	46.79%	Stack	D	0.433307767
16G_AG	51.39%	Shapiro	D	0.531013012
16G_AG	48.61%	Rafferty	R	0.468986958
16G_Auditor		Depasquale	D	0.549463511
16G_Auditor		Brown	R	0.45053646
16G_President	47.85%	Clinton	D	0.458262295
16G_President	48.58%	Trump	R	0.541737735
16G_Treasurer		Torsella	D	0.560488343
16G_Treasurer		Voit	R	0.439511657
16G_US_Senate	47.34%	McGinty	D	0.503448725
16G_US_Senate	48.77%	Toomey	R	0.496551245
16P_AG	16.22%	Morganelli	D	0.319180429
16P_AG	47.03%	Shapiro	D	0.423517346
16P_AG	36.74%	Zappala	D	0.257302225
16P_President	55.61%	Clinton	D	0.540445149
16P_President	0.86%	DeLaFuente	D	0.009836633
16P_President	43.53%	Sanders	D	0.449718237
16P_US_Senate	19.49%	Fetterman	D	0.086465843
16P_US_Senate	42.50%	McGinty	D	0.496437818
16P_US_Senate	32.57%	Sestak	D	0.383667439
16P_US_Senate	5.45%	Vodvarka	D	0.033428896

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.432903528
17G_Supreme_Court		Mundy	R	0.567096472
18G_Governor	57.77%	Wolf	D	0.57322526
18G_Governor	40.70%	Wagner	R	0.42677474
18G_US_Senator		Casey	D	0.531076789
18G_US_Senator		Barletta	R	0.468923211
18P_Lt_Governor	23.78%	Ahmad	D	0.269428194
18P_Lt_Governor	18.55%	Cozzone	D	0.170902163
18P_Lt_Governor	37.48%	Fetterman	D	0.199872941
18P_Lt_Governor	3.58%	Sosa	D	0.035883099
18P_Lt_Governor	16.62%	Stack	D	0.323913604
20G_AG		Shapiro	D	0.535696685
20G_AG		Heidelbaugh	R	0.464303315
20G_Auditor	46.35%	Ahmad	D	0.48993659
20G_Auditor	49.44%	Defoor	R	0.51006341
20G_President	50.01%	Biden	D	0.485302657
20G_President	48.84%	Trump	R	0.514697373
20G_Treasurer		Torsella	D	0.500142872
20G_Treasurer		Garrity	R	0.499857098
20P_Auditor	36.44%	Ahmad	D	0.222098663
20P_Auditor	7.47%	Conklin	D	0.072827198
20P_Auditor	5.99%	Davis	D	0.33112219
20P_Auditor	9.00%	Fountain	D	0.077223927
20P_Auditor	13.97%	Hartman	D	0.143392131
20P_Auditor	27.14%	Lamb	D	0.153335884
20P_President	79.26%	Biden	D	0.807256758
20P_President	2.70%	Gabbard	D	0.03494902
20P_President	18.04%	Sanders	D	0.157794192

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.46930021
12G_AG	41.56%	Freed	R	0.53069979
12G_Auditor		Depasquale	D	0.380264252
12G_Auditor		Maher	R	0.619735777
12G_President		Obama	D	0.392614007
12G_President		Romney	R	0.607385993
12G_Treasurer		McCord	D	0.418494731
12G_Treasurer		Vaughan	R	0.581505299
12G_US_Senate	53.69%	Casey	D	0.408591449
12G_US_Senate	44.59%	Smith	R	0.591408551
12P_AG	52.82%	Kane	D	0.696787834
12P_AG	47.18%	Murphy	D	0.303212196
12P_US_Senate	80.88%	Casey	D	0.869280696
12P_US_Senate	19.12%	Vodvarka	D	0.130719319
14G_Governor	54.93%	Wolf	D	0.433079779
14G_Governor	45.07%	Corbett	R	0.566920221
14P_Governor	16.84%	McCord	D	0.181972787
14P_Governor	7.66%	McGinty	D	0.101272769
14P_Governor	17.64%	Schwartz	D	0.079438224
14P_Governor	57.86%	Wolf	D	0.637316227
14P_Lt_Governor	15.88%	Critz	D	0.052560769
14P_Lt_Governor	11.91%	Koplinski	D	0.215026766
14P_Lt_Governor	10.84%	Neuman	D	0.048614226
14P_Lt_Governor	14.57%	Smith	D	0.356893003
14P_Lt_Governor	46.79%	Stack	D	0.326905251
16G_AG	51.39%	Shapiro	D	0.35172835
16G_AG	48.61%	Rafferty	R	0.64827162
16G_Auditor		Depasquale	D	0.35950762
16G_Auditor		Brown	R	0.64049238
16G_President	47.85%	Clinton	D	0.294618398
16G_President	48.58%	Trump	R	0.705381572
16G_Treasurer		Torsella	D	0.383532077
16G_Treasurer		Voit	R	0.616467953
16G_US_Senate	47.34%	McGinty	D	0.332563102
16G_US_Senate	48.77%	Toomey	R	0.667436898
16P_AG	16.22%	Morganelli	D	0.328306943
16P_AG	47.03%	Shapiro	D	0.464912593
16P_AG	36.74%	Zappala	D	0.206780478
16P_President	55.61%	Clinton	D	0.478763372
16P_President	0.86%	DeLaFuente	D	0.01309206
16P_President	43.53%	Sanders	D	0.508144557
16P_US_Senate	19.49%	Fetterman	D	0.123693265
16P_US_Senate	42.50%	McGinty	D	0.493945211
16P_US_Senate	32.57%	Sestak	D	0.348905921
16P_US_Senate	5.45%	Vodvarka	D	0.033455621

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.288173974
17G_Supreme_Court		Mundy	R	0.711826026
18G_Governor	57.77%	Wolf	D	0.410693496
18G_Governor	40.70%	Wagner	R	0.589306533
18G_US_Senator		Casey	D	0.37172845
18G_US_Senator		Barletta	R	0.62827152
18P_Lt_Governor	23.78%	Ahmad	D	0.243296593
18P_Lt_Governor	18.55%	Cozzone	D	0.203165948
18P_Lt_Governor	37.48%	Fetterman	D	0.275673926
18P_Lt_Governor	3.58%	Sosa	D	0.041674145
18P_Lt_Governor	16.62%	Stack	D	0.23618938
20G_AG		Shapiro	D	0.346923649
20G_AG		Heidelbaugh	R	0.653076351
20G_Auditor	46.35%	Ahmad	D	0.301724315
20G_Auditor	49.44%	Defoor	R	0.698275685
20G_President	50.01%	Biden	D	0.314526349
20G_President	48.84%	Trump	R	0.68547368
20G_Treasurer		Torsella	D	0.313088268
20G_Treasurer		Garrity	R	0.686911762
20P_Auditor	36.44%	Ahmad	D	0.192261353
20P_Auditor	7.47%	Conklin	D	0.153287023
20P_Auditor	5.99%	Davis	D	0.091582671
20P_Auditor	9.00%	Fountain	D	0.159792781
20P_Auditor	13.97%	Hartman	D	0.266696125
20P_Auditor	27.14%	Lamb	D	0.136380062
20P_President	79.26%	Biden	D	0.770321727
20P_President	2.70%	Gabbard	D	0.047783703
20P_President	18.04%	Sanders	D	0.181894541

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.490506262
12G_AG	41.56%	Freed	R	0.509493709
12G_Auditor		Depasquale	D	0.453987092
12G_Auditor		Maher	R	0.546012938
12G_President		Obama	D	0.463440925
12G_President		Romney	R	0.536559045
12G_Treasurer		McCord	D	0.478663415
12G_Treasurer		Vaughan	R	0.521336615
12G_US_Senate	53.69%	Casey	D	0.482782364
12G_US_Senate	44.59%	Smith	R	0.517217636
12P_AG	52.82%	Kane	D	0.640523493
12P_AG	47.18%	Murphy	D	0.359476507
12P_US_Senate	80.88%	Casey	D	0.857603312
12P_US_Senate	19.12%	Vodvarka	D	0.142396703
14G_Governor	54.93%	Wolf	D	0.467415601
14G_Governor	45.07%	Corbett	R	0.532584369
14P_Governor	16.84%	McCord	D	0.085878894
14P_Governor	7.66%	McGinty	D	0.07477323
14P_Governor	17.64%	Schwartz	D	0.066364303
14P_Governor	57.86%	Wolf	D	0.772983551
14P_Lt_Governor	15.88%	Critz	D	0.048473191
14P_Lt_Governor	11.91%	Koplinski	D	0.506326735
14P_Lt_Governor	10.84%	Neuman	D	0.050830465
14P_Lt_Governor	14.57%	Smith	D	0.077112742
14P_Lt_Governor	46.79%	Stack	D	0.317256898
16G_AG	51.39%	Shapiro	D	0.440496773
16G_AG	48.61%	Rafferty	R	0.559503198
16G_Auditor		Depasquale	D	0.500965893
16G_Auditor		Brown	R	0.499034137
16G_President	47.85%	Clinton	D	0.448169112
16G_President	48.58%	Trump	R	0.551830888
16G_Treasurer		Torsella	D	0.457779527
16G_Treasurer		Voit	R	0.542220473
16G_US_Senate	47.34%	McGinty	D	0.433787823
16G_US_Senate	48.77%	Toomey	R	0.566212177
16P_AG	16.22%	Morganelli	D	0.180208147
16P_AG	47.03%	Shapiro	D	0.57081157
16P_AG	36.74%	Zappala	D	0.248980269
16P_President	55.61%	Clinton	D	0.544050574
16P_President	0.86%	DeLaFuente	D	0.007635517
16P_President	43.53%	Sanders	D	0.448313922
16P_US_Senate	19.49%	Fetterman	D	0.151098207
16P_US_Senate	42.50%	McGinty	D	0.518059015
16P_US_Senate	32.57%	Sestak	D	0.297586501
16P_US_Senate	5.45%	Vodvarka	D	0.033256266

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.37246874
17G_Supreme_Court		Mundy	R	0.62753123
18G_Governor	57.77%	Wolf	D	0.548269629
18G_Governor	40.70%	Wagner	R	0.451730341
18G_US_Senator		Casey	D	0.503237903
18G_US_Senator		Barletta	R	0.496762067
18P_Lt_Governor	23.78%	Ahmad	D	0.370247364
18P_Lt_Governor	18.55%	Cozzone	D	0.171108216
18P_Lt_Governor	37.48%	Fetterman	D	0.341871023
18P_Lt_Governor	3.58%	Sosa	D	0.028721737
18P_Lt_Governor	16.62%	Stack	D	0.088051654
20G_AG		Shapiro	D	0.483070284
20G_AG		Heidelbaugh	R	0.516929746
20G_Auditor	46.35%	Ahmad	D	0.436968505
20G_Auditor	49.44%	Defoor	R	0.563031495
20G_President	50.01%	Biden	D	0.47905761
20G_President	48.84%	Trump	R	0.52094239
20G_Treasurer		Torsella	D	0.454064786
20G_Treasurer		Garrity	R	0.545935214
20P_Auditor	36.44%	Ahmad	D	0.171874389
20P_Auditor	7.47%	Conklin	D	0.083695926
20P_Auditor	5.99%	Davis	D	0.0352819
20P_Auditor	9.00%	Fountain	D	0.444099754
20P_Auditor	13.97%	Hartman	D	0.172702536
20P_Auditor	27.14%	Lamb	D	0.092345513
20P_President	79.26%	Biden	D	0.798190773
20P_President	2.70%	Gabbard	D	0.024384389
20P_President	18.04%	Sanders	D	0.177424863

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.434531152
12G_AG	41.56%	Freed	R	0.565468848
12G_Auditor		Depasquale	D	0.367363453
12G_Auditor		Maher	R	0.632636547
12G_President		Obama	D	0.38675493
12G_President		Romney	R	0.61324507
12G_Treasurer		McCord	D	0.382994533
12G_Treasurer		Vaughan	R	0.617005467
12G_US_Senate	53.69%	Casey	D	0.396643549
12G_US_Senate	44.59%	Smith	R	0.603356481
12P_AG	52.82%	Kane	D	0.588113189
12P_AG	47.18%	Murphy	D	0.411886781
12P_US_Senate	80.88%	Casey	D	0.846833646
12P_US_Senate	19.12%	Vodvarka	D	0.153166339
14G_Governor	54.93%	Wolf	D	0.402425468
14G_Governor	45.07%	Corbett	R	0.597574532
14P_Governor	16.84%	McCord	D	0.087837584
14P_Governor	7.66%	McGinty	D	0.069126166
14P_Governor	17.64%	Schwartz	D	0.081474185
14P_Governor	57.86%	Wolf	D	0.761562049
14P_Lt_Governor	15.88%	Critz	D	0.058542464
14P_Lt_Governor	11.91%	Koplinski	D	0.326417297
14P_Lt_Governor	10.84%	Neuman	D	0.052343849
14P_Lt_Governor	14.57%	Smith	D	0.134690717
14P_Lt_Governor	46.79%	Stack	D	0.428005695
16G_AG	51.39%	Shapiro	D	0.363697499
16G_AG	48.61%	Rafferty	R	0.636302531
16G_Auditor		Depasquale	D	0.38891083
16G_Auditor		Brown	R	0.61108917
16G_President	47.85%	Clinton	D	0.366170377
16G_President	48.58%	Trump	R	0.633829653
16G_Treasurer		Torsella	D	0.369501799
16G_Treasurer		Voit	R	0.630498171
16G_US_Senate	47.34%	McGinty	D	0.362139314
16G_US_Senate	48.77%	Toomey	R	0.637860656
16P_AG	16.22%	Morganelli	D	0.180324376
16P_AG	47.03%	Shapiro	D	0.592632771
16P_AG	36.74%	Zappala	D	0.227042839
16P_President	55.61%	Clinton	D	0.480109334
16P_President	0.86%	DeLaFuente	D	0.007138007
16P_President	43.53%	Sanders	D	0.512752652
16P_US_Senate	19.49%	Fetterman	D	0.165445507
16P_US_Senate	42.50%	McGinty	D	0.532012641
16P_US_Senate	32.57%	Sestak	D	0.292012662
16P_US_Senate	5.45%	Vodvarka	D	0.010529173

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.32247749
17G_Supreme_Court		Mundy	R	0.67752254
18G_Governor	57.77%	Wolf	D	0.459192485
18G_Governor	40.70%	Wagner	R	0.540807486
18G_US_Senator		Casey	D	0.43209061
18G_US_Senator		Barletta	R	0.56790942
18P_Lt_Governor	23.78%	Ahmad	D	0.371723145
18P_Lt_Governor	18.55%	Cozzone	D	0.225037575
18P_Lt_Governor	37.48%	Fetterman	D	0.296501935
18P_Lt_Governor	3.58%	Sosa	D	0.026506929
18P_Lt_Governor	16.62%	Stack	D	0.080230422
20G_AG		Shapiro	D	0.383202612
20G_AG		Heidelbaugh	R	0.616797388
20G_Auditor	46.35%	Ahmad	D	0.358671516
20G_Auditor	49.44%	Defoor	R	0.641328454
20G_President	50.01%	Biden	D	0.392078638
20G_President	48.84%	Trump	R	0.607921362
20G_Treasurer		Torsella	D	0.359474421
20G_Treasurer		Garrity	R	0.640525579
20P_Auditor	36.44%	Ahmad	D	0.137244716
20P_Auditor	7.47%	Conklin	D	0.040523112
20P_Auditor	5.99%	Davis	D	0.027176639
20P_Auditor	9.00%	Fountain	D	0.080293804
20P_Auditor	13.97%	Hartman	D	0.669544995
20P_Auditor	27.14%	Lamb	D	0.045216769
20P_President	79.26%	Biden	D	0.764032364
20P_President	2.70%	Gabbard	D	0.026238048
20P_President	18.04%	Sanders	D	0.209729582

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.65631175
12G_AG	41.56%	Freed	R	0.34368825
12G_Auditor		Depasquale	D	0.613678217
12G_Auditor		Maher	R	0.386321753
12G_President		Obama	D	0.595915794
12G_President		Romney	R	0.404084206
12G_Treasurer		McCord	D	0.638079226
12G_Treasurer		Vaughan	R	0.361920804
12G_US_Senate	53.69%	Casey	D	0.62710458
12G_US_Senate	44.59%	Smith	R	0.37289542
12P_AG	52.82%	Kane	D	0.525930464
12P_AG	47.18%	Murphy	D	0.474069566
12P_US_Senate	80.88%	Casey	D	0.716368437
12P_US_Senate	19.12%	Vodvarka	D	0.283631593
14G_Governor	54.93%	Wolf	D	0.60741657
14G_Governor	45.07%	Corbett	R	0.39258343
14P_Governor	16.84%	McCord	D	0.149956971
14P_Governor	7.66%	McGinty	D	0.102309234
14P_Governor	17.64%	Schwartz	D	0.141681015
14P_Governor	57.86%	Wolf	D	0.606052756
14P_Lt_Governor	15.88%	Critz	D	0.301353931
14P_Lt_Governor	11.91%	Koplinski	D	0.068525009
14P_Lt_Governor	10.84%	Neuman	D	0.214638427
14P_Lt_Governor	14.57%	Smith	D	0.07191781
14P_Lt_Governor	46.79%	Stack	D	0.343564838
16G_AG	51.39%	Shapiro	D	0.614648759
16G_AG	48.61%	Rafferty	R	0.385351211
16G_Auditor		Depasquale	D	0.669356346
16G_Auditor		Brown	R	0.330643654
16G_President	47.85%	Clinton	D	0.590300381
16G_President	48.58%	Trump	R	0.409699619
16G_Treasurer		Torsella	D	0.648985684
16G_Treasurer		Voit	R	0.351014316
16G_US_Senate	47.34%	McGinty	D	0.594737649
16G_US_Senate	48.77%	Toomey	R	0.405262351
16P_AG	16.22%	Morganelli	D	0.042931367
16P_AG	47.03%	Shapiro	D	0.23596108
16P_AG	36.74%	Zappala	D	0.721107543
16P_President	55.61%	Clinton	D	0.545075476
16P_President	0.86%	DeLaFuente	D	0.008487714
16P_President	43.53%	Sanders	D	0.446436793
16P_US_Senate	19.49%	Fetterman	D	0.443394989
16P_US_Senate	42.50%	McGinty	D	0.323027313
16P_US_Senate	32.57%	Sestak	D	0.181590572
16P_US_Senate	5.45%	Vodvarka	D	0.051987126

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.637066483
17G_Supreme_Court		Mundy	R	0.362933487
18G_Governor	57.77%	Wolf	D	0.689255059
18G_Governor	40.70%	Wagner	R	0.310744941
18G_US_Senator		Casey	D	0.673062027
18G_US_Senator		Barletta	R	0.326937944
18P_Lt_Governor	23.78%	Ahmad	D	0.135101229
18P_Lt_Governor	18.55%	Cozzone	D	0.061833475
18P_Lt_Governor	37.48%	Fetterman	D	0.766837776
18P_Lt_Governor	3.58%	Sosa	D	0.009352723
18P_Lt_Governor	16.62%	Stack	D	0.026874822
20G_AG		Shapiro	D	0.645146012
20G_AG		Heidelbaugh	R	0.354853988
20G_Auditor	46.35%	Ahmad	D	0.59508872
20G_Auditor	49.44%	Defoor	R	0.40491128
20G_President	50.01%	Biden	D	0.600668013
20G_President	48.84%	Trump	R	0.399331957
20G_Treasurer		Torsella	D	0.603477478
20G_Treasurer		Garrity	R	0.396522522
20P_Auditor	36.44%	Ahmad	D	0.132497296
20P_Auditor	7.47%	Conklin	D	0.012305523
20P_Auditor	5.99%	Davis	D	0.017364297
20P_Auditor	9.00%	Fountain	D	0.050103158
20P_Auditor	13.97%	Hartman	D	0.026776996
20P_Auditor	27.14%	Lamb	D	0.760952711
20P_President	79.26%	Biden	D	0.746502042
20P_President	2.70%	Gabbard	D	0.033336293
20P_President	18.04%	Sanders	D	0.220161691

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.434370965
12G_AG	41.56%	Freed	R	0.565629065
12G_Auditor		Depasquale	D	0.337517977
12G_Auditor		Maher	R	0.662482023
12G_President		Obama	D	0.328462213
12G_President		Romney	R	0.671537757
12G_Treasurer		McCord	D	0.375189036
12G_Treasurer		Vaughan	R	0.624810934
12G_US_Senate	53.69%	Casey	D	0.365344524
12G_US_Senate	44.59%	Smith	R	0.634655476
12P_AG	52.82%	Kane	D	0.640707254
12P_AG	47.18%	Murphy	D	0.359292746
12P_US_Senate	80.88%	Casey	D	0.812088847
12P_US_Senate	19.12%	Vodvarka	D	0.187911168
14G_Governor	54.93%	Wolf	D	0.403279245
14G_Governor	45.07%	Corbett	R	0.596720755
14P_Governor	16.84%	McCord	D	0.200499669
14P_Governor	7.66%	McGinty	D	0.104562789
14P_Governor	17.64%	Schwartz	D	0.058435239
14P_Governor	57.86%	Wolf	D	0.636502326
14P_Lt_Governor	15.88%	Critz	D	0.570425808
14P_Lt_Governor	11.91%	Koplinski	D	0.148944363
14P_Lt_Governor	10.84%	Neuman	D	0.044509895
14P_Lt_Governor	14.57%	Smith	D	0.102094747
14P_Lt_Governor	46.79%	Stack	D	0.134025156
16G_AG	51.39%	Shapiro	D	0.318022549
16G_AG	48.61%	Rafferty	R	0.681977451
16G_Auditor		Depasquale	D	0.335694164
16G_Auditor		Brown	R	0.664305806
16G_President	47.85%	Clinton	D	0.260710627
16G_President	48.58%	Trump	R	0.739289403
16G_Treasurer		Torsella	D	0.335576475
16G_Treasurer		Voit	R	0.664423525
16G_US_Senate	47.34%	McGinty	D	0.28988418
16G_US_Senate	48.77%	Toomey	R	0.71011585
16P_AG	16.22%	Morganelli	D	0.233496219
16P_AG	47.03%	Shapiro	D	0.439913839
16P_AG	36.74%	Zappala	D	0.326589942
16P_President	55.61%	Clinton	D	0.473791778
16P_President	0.86%	DeLaFuente	D	0.018615179
16P_President	43.53%	Sanders	D	0.507593036
16P_US_Senate	19.49%	Fetterman	D	0.164908335
16P_US_Senate	42.50%	McGinty	D	0.470859081
16P_US_Senate	32.57%	Sestak	D	0.313933641
16P_US_Senate	5.45%	Vodvarka	D	0.050298944

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.286676198
17G_Supreme_Court		Mundy	R	0.713323772
18G_Governor	57.77%	Wolf	D	0.358391672
18G_Governor	40.70%	Wagner	R	0.641608298
18G_US_Senator		Casey	D	0.347360998
18G_US_Senator		Barletta	R	0.652639031
18P_Lt_Governor	23.78%	Ahmad	D	0.186885372
18P_Lt_Governor	18.55%	Cozzone	D	0.252495646
18P_Lt_Governor	37.48%	Fetterman	D	0.442275584
18P_Lt_Governor	3.58%	Sosa	D	0.039522026
18P_Lt_Governor	16.62%	Stack	D	0.078821391
20G_AG		Shapiro	D	0.288313925
20G_AG		Heidelbaugh	R	0.711686075
20G_Auditor	46.35%	Ahmad	D	0.251332253
20G_Auditor	49.44%	Defoor	R	0.748667777
20G_President	50.01%	Biden	D	0.271178067
20G_President	48.84%	Trump	R	0.728821933
20G_Treasurer		Torsella	D	0.269718766
20G_Treasurer		Garrity	R	0.730281234
20P_Auditor	36.44%	Ahmad	D	0.117324807
20P_Auditor	7.47%	Conklin	D	0.403193295
20P_Auditor	5.99%	Davis	D	0.042095188
20P_Auditor	9.00%	Fountain	D	0.140419126
20P_Auditor	13.97%	Hartman	D	0.136692256
20P_Auditor	27.14%	Lamb	D	0.16027534
20P_President	79.26%	Biden	D	0.762031555
20P_President	2.70%	Gabbard	D	0.053450555
20P_President	18.04%	Sanders	D	0.18451792

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.522083342
12G_AG	41.56%	Freed	R	0.477916688
12G_Auditor		Depasquale	D	0.449934125
12G_Auditor		Maher	R	0.550065875
12G_President		Obama	D	0.405909926
12G_President		Romney	R	0.594090044
12G_Treasurer		McCord	D	0.465270817
12G_Treasurer		Vaughan	R	0.534729183
12G_US_Senate	53.69%	Casey	D	0.449898839
12G_US_Senate	44.59%	Smith	R	0.550101161
12P_AG	52.82%	Kane	D	0.587499738
12P_AG	47.18%	Murphy	D	0.412500232
12P_US_Senate	80.88%	Casey	D	0.752397954
12P_US_Senate	19.12%	Vodvarka	D	0.247602031
14G_Governor	54.93%	Wolf	D	0.479260802
14G_Governor	45.07%	Corbett	R	0.520739198
14P_Governor	16.84%	McCord	D	0.191450238
14P_Governor	7.66%	McGinty	D	0.106880218
14P_Governor	17.64%	Schwartz	D	0.070243143
14P_Governor	57.86%	Wolf	D	0.631426394
14P_Lt_Governor	15.88%	Critz	D	0.414363772
14P_Lt_Governor	11.91%	Koplinski	D	0.03125485
14P_Lt_Governor	10.84%	Neuman	D	0.324029863
14P_Lt_Governor	14.57%	Smith	D	0.058786009
14P_Lt_Governor	46.79%	Stack	D	0.171565503
16G_AG	51.39%	Shapiro	D	0.416630566
16G_AG	48.61%	Rafferty	R	0.583369434
16G_Auditor		Depasquale	D	0.463543177
16G_Auditor		Brown	R	0.536456823
16G_President	47.85%	Clinton	D	0.334290355
16G_President	48.58%	Trump	R	0.665709615
16G_Treasurer		Torsella	D	0.454950005
16G_Treasurer		Voit	R	0.545050025
16G_US_Senate	47.34%	McGinty	D	0.37690863
16G_US_Senate	48.77%	Toomey	R	0.62309134
16P_AG	16.22%	Morganelli	D	0.082576789
16P_AG	47.03%	Shapiro	D	0.23106195
16P_AG	36.74%	Zappala	D	0.686361253
16P_President	55.61%	Clinton	D	0.5501948
16P_President	0.86%	DeLaFuente	D	0.018572919
16P_President	43.53%	Sanders	D	0.431232303
16P_US_Senate	19.49%	Fetterman	D	0.286771089
16P_US_Senate	42.50%	McGinty	D	0.430478275
16P_US_Senate	32.57%	Sestak	D	0.236102626
16P_US_Senate	5.45%	Vodvarka	D	0.046648011

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.40849027
17G_Supreme_Court		Mundy	R	0.591509759
18G_Governor	57.77%	Wolf	D	0.467014372
18G_Governor	40.70%	Wagner	R	0.532985628
18G_US_Senator		Casey	D	0.456011176
18G_US_Senator		Barletta	R	0.543988824
18P_Lt_Governor	23.78%	Ahmad	D	0.105963171
18P_Lt_Governor	18.55%	Cozzone	D	0.136053383
18P_Lt_Governor	37.48%	Fetterman	D	0.69229418
18P_Lt_Governor	3.58%	Sosa	D	0.01984066
18P_Lt_Governor	16.62%	Stack	D	0.045848604
20G_AG		Shapiro	D	0.403997898
20G_AG		Heidelbaugh	R	0.596002102
20G_Auditor	46.35%	Ahmad	D	0.340545535
20G_Auditor	49.44%	Defoor	R	0.659454465
20G_President	50.01%	Biden	D	0.340513587
20G_President	48.84%	Trump	R	0.659486413
20G_Treasurer		Torsella	D	0.358604819
20G_Treasurer		Garrity	R	0.641395152
20P_Auditor	36.44%	Ahmad	D	0.097292759
20P_Auditor	7.47%	Conklin	D	0.065981902
20P_Auditor	5.99%	Davis	D	0.023864981
20P_Auditor	9.00%	Fountain	D	0.032443646
20P_Auditor	13.97%	Hartman	D	0.060432497
20P_Auditor	27.14%	Lamb	D	0.719984233
20P_President	79.26%	Biden	D	0.791264355
20P_President	2.70%	Gabbard	D	0.05522003
20P_President	18.04%	Sanders	D	0.153515607

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.465517879
12G_AG	41.56%	Freed	R	0.534482121
12G_Auditor		Depasquale	D	0.372137696
12G_Auditor		Maher	R	0.627862334
12G_President		Obama	D	0.377129853
12G_President		Romney	R	0.622870147
12G_Treasurer		McCord	D	0.407368779
12G_Treasurer		Vaughan	R	0.592631221
12G_US_Senate	53.69%	Casey	D	0.385665178
12G_US_Senate	44.59%	Smith	R	0.614334822
12P_AG	52.82%	Kane	D	0.60942781
12P_AG	47.18%	Murphy	D	0.39057216
12P_US_Senate	80.88%	Casey	D	0.807089984
12P_US_Senate	19.12%	Vodvarka	D	0.19291003
14G_Governor	54.93%	Wolf	D	0.443456531
14G_Governor	45.07%	Corbett	R	0.556543469
14P_Governor	16.84%	McCord	D	0.192374215
14P_Governor	7.66%	McGinty	D	0.114937104
14P_Governor	17.64%	Schwartz	D	0.083647795
14P_Governor	57.86%	Wolf	D	0.609040856
14P_Lt_Governor	15.88%	Critz	D	0.334828049
14P_Lt_Governor	11.91%	Koplinski	D	0.129184276
14P_Lt_Governor	10.84%	Neuman	D	0.074774362
14P_Lt_Governor	14.57%	Smith	D	0.269107729
14P_Lt_Governor	46.79%	Stack	D	0.192105561
16G_AG	51.39%	Shapiro	D	0.359630644
16G_AG	48.61%	Rafferty	R	0.640369356
16G_Auditor		Depasquale	D	0.368199676
16G_Auditor		Brown	R	0.631800294
16G_President	47.85%	Clinton	D	0.310441434
16G_President	48.58%	Trump	R	0.689558566
16G_Treasurer		Torsella	D	0.381095648
16G_Treasurer		Voit	R	0.618904352
16G_US_Senate	47.34%	McGinty	D	0.335223347
16G_US_Senate	48.77%	Toomey	R	0.664776683
16P_AG	16.22%	Morganelli	D	0.199436992
16P_AG	47.03%	Shapiro	D	0.46048528
16P_AG	36.74%	Zappala	D	0.340077728
16P_President	55.61%	Clinton	D	0.466577291
16P_President	0.86%	DeLaFuente	D	0.015170918
16P_President	43.53%	Sanders	D	0.518251777
16P_US_Senate	19.49%	Fetterman	D	0.210214064
16P_US_Senate	42.50%	McGinty	D	0.441653341
16P_US_Senate	32.57%	Sestak	D	0.294933736
16P_US_Senate	5.45%	Vodvarka	D	0.053198878

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.327888578
17G_Supreme_Court		Mundy	R	0.672111392
18G_Governor	57.77%	Wolf	D	0.405948192
18G_Governor	40.70%	Wagner	R	0.594051838
18G_US_Senator		Casey	D	0.401529402
18G_US_Senator		Barletta	R	0.598470628
18P_Lt_Governor	23.78%	Ahmad	D	0.175960436
18P_Lt_Governor	18.55%	Cozzone	D	0.216715232
18P_Lt_Governor	37.48%	Fetterman	D	0.469815016
18P_Lt_Governor	3.58%	Sosa	D	0.037333153
18P_Lt_Governor	16.62%	Stack	D	0.100176163
20G_AG		Shapiro	D	0.335401535
20G_AG		Heidelbaugh	R	0.664598465
20G_Auditor	46.35%	Ahmad	D	0.291834056
20G_Auditor	49.44%	Defoor	R	0.708165944
20G_President	50.01%	Biden	D	0.312378764
20G_President	48.84%	Trump	R	0.687621236
20G_Treasurer		Torsella	D	0.307688981
20G_Treasurer		Garrity	R	0.692311049
20P_Auditor	36.44%	Ahmad	D	0.105860412
20P_Auditor	7.47%	Conklin	D	0.466524601
20P_Auditor	5.99%	Davis	D	0.041093946
20P_Auditor	9.00%	Fountain	D	0.069454804
20P_Auditor	13.97%	Hartman	D	0.079310954
20P_Auditor	27.14%	Lamb	D	0.237755284
20P_President	79.26%	Biden	D	0.753520608
20P_President	2.70%	Gabbard	D	0.045423198
20P_President	18.04%	Sanders	D	0.201056182

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.506984591
12G_AG	41.56%	Freed	R	0.493015379
12G_Auditor		Depasquale	D	0.445100248
12G_Auditor		Maher	R	0.554899752
12G_President		Obama	D	0.460584998
12G_President		Romney	R	0.539415002
12G_Treasurer		McCord	D	0.485444039
12G_Treasurer		Vaughan	R	0.514555991
12G_US_Senate	53.69%	Casey	D	0.469474494
12G_US_Senate	44.59%	Smith	R	0.530525506
12P_AG	52.82%	Kane	D	0.680986166
12P_AG	47.18%	Murphy	D	0.319013804
12P_US_Senate	80.88%	Casey	D	0.772916913
12P_US_Senate	19.12%	Vodvarka	D	0.227083072
14G_Governor	54.93%	Wolf	D	0.48154968
14G_Governor	45.07%	Corbett	R	0.51845032
14P_Governor	16.84%	McCord	D	0.253355861
14P_Governor	7.66%	McGinty	D	0.089421056
14P_Governor	17.64%	Schwartz	D	0.07332664
14P_Governor	57.86%	Wolf	D	0.583896458
14P_Lt_Governor	15.88%	Critz	D	0.173000976
14P_Lt_Governor	11.91%	Koplinski	D	0.097190432
14P_Lt_Governor	10.84%	Neuman	D	0.219609126
14P_Lt_Governor	14.57%	Smith	D	0.296249717
14P_Lt_Governor	46.79%	Stack	D	0.21394974
16G_AG	51.39%	Shapiro	D	0.418297231
16G_AG	48.61%	Rafferty	R	0.581702769
16G_Auditor		Depasquale	D	0.436112285
16G_Auditor		Brown	R	0.563887715
16G_President	47.85%	Clinton	D	0.38454479
16G_President	48.58%	Trump	R	0.61545521
16G_Treasurer		Torsella	D	0.453887016
16G_Treasurer		Voit	R	0.546112955
16G_US_Senate	47.34%	McGinty	D	0.393052161
16G_US_Senate	48.77%	Toomey	R	0.606947839
16P_AG	16.22%	Morganelli	D	0.16702944
16P_AG	47.03%	Shapiro	D	0.365958631
16P_AG	36.74%	Zappala	D	0.467011929
16P_President	55.61%	Clinton	D	0.531443179
16P_President	0.86%	DeLaFuente	D	0.012445788
16P_President	43.53%	Sanders	D	0.456111014
16P_US_Senate	19.49%	Fetterman	D	0.243073657
16P_US_Senate	42.50%	McGinty	D	0.377106577
16P_US_Senate	32.57%	Sestak	D	0.308811218
16P_US_Senate	5.45%	Vodvarka	D	0.071008533

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.396449804
17G_Supreme_Court		Mundy	R	0.603550196
18G_Governor	57.77%	Wolf	D	0.493687809
18G_Governor	40.70%	Wagner	R	0.506312191
18G_US_Senator		Casey	D	0.478803813
18G_US_Senator		Barletta	R	0.521196187
18P_Lt_Governor	23.78%	Ahmad	D	0.102207124
18P_Lt_Governor	18.55%	Cozzone	D	0.193915084
18P_Lt_Governor	37.48%	Fetterman	D	0.627803624
18P_Lt_Governor	3.58%	Sosa	D	0.024983395
18P_Lt_Governor	16.62%	Stack	D	0.051090788
20G_AG		Shapiro	D	0.431059092
20G_AG		Heidelbaugh	R	0.568940938
20G_Auditor	46.35%	Ahmad	D	0.377882093
20G_Auditor	49.44%	Defoor	R	0.622117877
20G_President	50.01%	Biden	D	0.395447403
20G_President	48.84%	Trump	R	0.604552627
20G_Treasurer		Torsella	D	0.394727856
20G_Treasurer		Garrity	R	0.605272174
20P_Auditor	36.44%	Ahmad	D	0.126935452
20P_Auditor	7.47%	Conklin	D	0.076916642
20P_Auditor	5.99%	Davis	D	0.050283611
20P_Auditor	9.00%	Fountain	D	0.064248182
20P_Auditor	13.97%	Hartman	D	0.098086491
20P_Auditor	27.14%	Lamb	D	0.583529592
20P_President	79.26%	Biden	D	0.79348582
20P_President	2.70%	Gabbard	D	0.036808997
20P_President	18.04%	Sanders	D	0.169705212

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.561899841
12G_AG	41.56%	Freed	R	0.438100159
12G_Auditor		Depasquale	D	0.51109302
12G_Auditor		Maher	R	0.48890695
12G_President		Obama	D	0.495839387
12G_President		Romney	R	0.504160583
12G_Treasurer		McCord	D	0.536817074
12G_Treasurer		Vaughan	R	0.463182956
12G_US_Senate	53.69%	Casey	D	0.531997204
12G_US_Senate	44.59%	Smith	R	0.468002796
12P_AG	52.82%	Kane	D	0.537184656
12P_AG	47.18%	Murphy	D	0.462815374
12P_US_Senate	80.88%	Casey	D	0.720182776
12P_US_Senate	19.12%	Vodvarka	D	0.279817224
14G_Governor	54.93%	Wolf	D	0.515777946
14G_Governor	45.07%	Corbett	R	0.484222025
14P_Governor	16.84%	McCord	D	0.163277507
14P_Governor	7.66%	McGinty	D	0.108108595
14P_Governor	17.64%	Schwartz	D	0.116373062
14P_Governor	57.86%	Wolf	D	0.612240851
14P_Lt_Governor	15.88%	Critz	D	0.342551529
14P_Lt_Governor	11.91%	Koplinski	D	0.046927266
14P_Lt_Governor	10.84%	Neuman	D	0.215052515
14P_Lt_Governor	14.57%	Smith	D	0.081894204
14P_Lt_Governor	46.79%	Stack	D	0.313574493
16G_AG	51.39%	Shapiro	D	0.520423949
16G_AG	48.61%	Rafferty	R	0.479576021
16G_Auditor		Depasquale	D	0.581659675
16G_Auditor		Brown	R	0.418340325
16G_President	47.85%	Clinton	D	0.505317569
16G_President	48.58%	Trump	R	0.494682431
16G_Treasurer		Torsella	D	0.559496045
16G_Treasurer		Voit	R	0.440503925
16G_US_Senate	47.34%	McGinty	D	0.497999102
16G_US_Senate	48.77%	Toomey	R	0.502000928
16P_AG	16.22%	Morganelli	D	0.046790592
16P_AG	47.03%	Shapiro	D	0.206397012
16P_AG	36.74%	Zappala	D	0.746812403
16P_President	55.61%	Clinton	D	0.560302615
16P_President	0.86%	DeLaFuente	D	0.009872664
16P_President	43.53%	Sanders	D	0.42982471
16P_US_Senate	19.49%	Fetterman	D	0.370475441
16P_US_Senate	42.50%	McGinty	D	0.367249548
16P_US_Senate	32.57%	Sestak	D	0.199328348
16P_US_Senate	5.45%	Vodvarka	D	0.062946662

**Reconstituted Election Results for the Proposed Congressional Plan of the Carter Petitioners
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.554576159
17G_Supreme_Court		Mundy	R	0.445423812
18G_Governor	57.77%	Wolf	D	0.61799711
18G_Governor	40.70%	Wagner	R	0.38200289
18G_US_Senator		Casey	D	0.600572228
18G_US_Senator		Barletta	R	0.399427772
18P_Lt_Governor	23.78%	Ahmad	D	0.121997625
18P_Lt_Governor	18.55%	Cozzone	D	0.079239003
18P_Lt_Governor	37.48%	Fetterman	D	0.762013495
18P_Lt_Governor	3.58%	Sosa	D	0.010955212
18P_Lt_Governor	16.62%	Stack	D	0.025794689
20G_AG		Shapiro	D	0.572088897
20G_AG		Heidelbaugh	R	0.427911103
20G_Auditor	46.35%	Ahmad	D	0.511554241
20G_Auditor	49.44%	Defoor	R	0.488445729
20G_President	50.01%	Biden	D	0.529420376
20G_President	48.84%	Trump	R	0.470579624
20G_Treasurer		Torsella	D	0.522015214
20G_Treasurer		Garrity	R	0.477984756
20P_Auditor	36.44%	Ahmad	D	0.114369504
20P_Auditor	7.47%	Conklin	D	0.014751867
20P_Auditor	5.99%	Davis	D	0.016995836
20P_Auditor	9.00%	Fountain	D	0.040521055
20P_Auditor	13.97%	Hartman	D	0.031844914
20P_Auditor	27.14%	Lamb	D	0.78151685
20P_President	79.26%	Biden	D	0.786471665
20P_President	2.70%	Gabbard	D	0.034393661
20P_President	18.04%	Sanders	D	0.179134667

Senate Democrats (1)

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.512401819
12G_AG	41.56%	Freed	R	0.487598211
12G_Auditor		Depasquale	D	0.456614107
12G_Auditor		Maher	R	0.543385863
12G_President		Obama	D	0.484374911
12G_President		Romney	R	0.51562506
12G_Treasurer		McCord	D	0.48467496
12G_Treasurer		Vaughan	R	0.515325069
12G_US_Senate	53.69%	Casey	D	0.502562881
12G_US_Senate	44.59%	Smith	R	0.497437149
12P_AG	52.82%	Kane	D	0.349816263
12P_AG	47.18%	Murphy	D	0.650183737
12P_US_Senate	80.88%	Casey	D	0.834449291
12P_US_Senate	19.12%	Vodvarka	D	0.165550724
14G_Governor	54.93%	Wolf	D	0.507932782
14G_Governor	45.07%	Corbett	R	0.492067188
14P_Governor	16.84%	McCord	D	0.155419126
14P_Governor	7.66%	McGinty	D	0.057805616
14P_Governor	17.64%	Schwartz	D	0.241620049
14P_Governor	57.86%	Wolf	D	0.545155227
14P_Lt_Governor	15.88%	Critz	D	0.042652715
14P_Lt_Governor	11.91%	Koplinski	D	0.1286778
14P_Lt_Governor	10.84%	Neuman	D	0.062498271
14P_Lt_Governor	14.57%	Smith	D	0.158044785
14P_Lt_Governor	46.79%	Stack	D	0.608126462
16G_AG	51.39%	Shapiro	D	0.479919553
16G_AG	48.61%	Rafferty	R	0.520080447
16G_Auditor		Depasquale	D	0.45151341
16G_Auditor		Brown	R	0.54848659
16G_President	47.85%	Clinton	D	0.475579858
16G_President	48.58%	Trump	R	0.524420142
16G_Treasurer		Torsella	D	0.479069293
16G_Treasurer		Voit	R	0.520930707
16G_US_Senate	47.34%	McGinty	D	0.448700607
16G_US_Senate	48.77%	Toomey	R	0.551299393
16P_AG	16.22%	Morganelli	D	0.180976719
16P_AG	47.03%	Shapiro	D	0.620441139
16P_AG	36.74%	Zappala	D	0.198582143
16P_President	55.61%	Clinton	D	0.533402324
16P_President	0.86%	DeLaFuente	D	0.009080142
16P_President	43.53%	Sanders	D	0.457517534
16P_US_Senate	19.49%	Fetterman	D	0.111785926
16P_US_Senate	42.50%	McGinty	D	0.42791909
16P_US_Senate	32.57%	Sestak	D	0.42925477
16P_US_Senate	5.45%	Vodvarka	D	0.031040231
17G_Supreme_Court		Woodruff	D	0.464081705

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Mundy	R	0.535918295
18G_Governor	57.77%	Wolf	D	0.570849419
18G_Governor	40.70%	Wagner	R	0.429150611
18G_US_Senator		Casey	D	0.548084378
18G_US_Senator		Barletta	R	0.451915652
18P_Lt_Governor	23.78%	Ahmad	D	0.280357987
18P_Lt_Governor	18.55%	Cozzone	D	0.223033011
18P_Lt_Governor	37.48%	Fetterman	D	0.208052546
18P_Lt_Governor	3.58%	Sosa	D	0.082242347
18P_Lt_Governor	16.62%	Stack	D	0.206314117
20G_AG		Shapiro	D	0.502807438
20G_AG		Heidelbaugh	R	0.497192591
20G_Auditor	46.35%	Ahmad	D	0.463188052
20G_Auditor	49.44%	Defoor	R	0.536811948
20G_President	50.01%	Biden	D	0.500413597
20G_President	48.84%	Trump	R	0.499586403
20G_Treasurer		Torsella	D	0.482893109
20G_Treasurer		Garrity	R	0.517106891
20P_Auditor	36.44%	Ahmad	D	0.540902734
20P_Auditor	7.47%	Conklin	D	0.04760335
20P_Auditor	5.99%	Davis	D	0.045932461
20P_Auditor	9.00%	Fountain	D	0.091001056
20P_Auditor	13.97%	Hartman	D	0.197074234
20P_Auditor	27.14%	Lamb	D	0.077486165
20P_President	79.26%	Biden	D	0.810059965
20P_President	2.70%	Gabbard	D	0.022392495
20P_President	18.04%	Sanders	D	0.167547569

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.747481823
12G_AG	41.56%	Freed	R	0.252518177
12G_Auditor		Depasquale	D	0.709335566
12G_Auditor		Maher	R	0.290664434
12G_President		Obama	D	0.725477278
12G_President		Romney	R	0.274522692
12G_Treasurer		McCord	D	0.738616526
12G_Treasurer		Vaughan	R	0.261383474
12G_US_Senate	53.69%	Casey	D	0.745815516
12G_US_Senate	44.59%	Smith	R	0.254184455
12P_AG	52.82%	Kane	D	0.340127021
12P_AG	47.18%	Murphy	D	0.659873009
12P_US_Senate	80.88%	Casey	D	0.797406435
12P_US_Senate	19.12%	Vodvarka	D	0.202593565
14G_Governor	54.93%	Wolf	D	0.743632138
14G_Governor	45.07%	Corbett	R	0.256367892
14P_Governor	16.84%	McCord	D	0.133775011
14P_Governor	7.66%	McGinty	D	0.053760584
14P_Governor	17.64%	Schwartz	D	0.321652293
14P_Governor	57.86%	Wolf	D	0.490812093
14P_Lt_Governor	15.88%	Critz	D	0.037238661
14P_Lt_Governor	11.91%	Koplinski	D	0.034972146
14P_Lt_Governor	10.84%	Neuman	D	0.035247516
14P_Lt_Governor	14.57%	Smith	D	0.060158022
14P_Lt_Governor	46.79%	Stack	D	0.832383633
15G_Mayor		Kenney	D	0.745152771
15G_Mayor		Bailey	R	0.243219152
15G_Mayor		Foster	U	0.006397399
15G_Mayor		Hart	U	0.003906609
15G_Mayor		Kindij	U	0.001324052
15G_Sheriff		Williams	D	0.627071798
15G_Sheriff		Sawyer	R	0.372928172
15P_Mayor		Abraham	D	0.134691358
15P_Mayor		Diaz	D	0.066171691
15P_Mayor		Kenney	D	0.632716179
15P_Mayor		Oliver	D	0.02771564
15P_Mayor		Street	D	0.011025971
15P_Mayor		Williams	D	0.127679154
16G_AG	51.39%	Shapiro	D	0.715350449
16G_AG	48.61%	Rafferty	R	0.284649581
16G_Auditor		Depasquale	D	0.698413193
16G_Auditor		Brown	R	0.301586837
16G_Congress_Dist1		Brady	D	0.798621237
16G_Congress_Dist1		Williams	R	0.201378763
16G_President	47.85%	Clinton	D	0.686756909

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.313243061
16G_Treasurer		Torsella	D	0.730556965
16G_Treasurer		Voit	R	0.269443005
16G_US_Senate	47.34%	McGinty	D	0.677072108
16G_US_Senate	48.77%	Toomey	R	0.322927862
16P_AG	16.22%	Morganelli	D	0.136696607
16P_AG	47.03%	Shapiro	D	0.512055397
16P_AG	36.74%	Zappala	D	0.351248026
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.586919665
16P_President	0.86%	DeLaFuente	D	0.009137343
16P_President	43.53%	Sanders	D	0.403943032
16P_US_Senate	19.49%	Fetterman	D	0.18804352
16P_US_Senate	42.50%	McGinty	D	0.38848421
16P_US_Senate	32.57%	Sestak	D	0.305929035
16P_US_Senate	5.45%	Vodvarka	D	0.117543243
17G_Supreme_Court		Woodruff	D	0.566753209
17G_Supreme_Court		Mundy	R	0.433246762
17P_DA		Deni	D	0.02240593
17P_DA		Khan	D	0.208266824
17P_DA		Krasner	D	0.261545032
17P_DA		Negrin	D	0.201938421
17P_DA		ONeill	D	0.129931584
17P_DA		Shabazz	D	0.057012543
17P_DA		Untermeyer	D	0.118899658
18G_Congress_Dist2		Boyle	D	0.76264292
18G_Congress_Dist2		Torres	R	0.237357095
18G_Congress_Dist3		Evans	D	0.837675333
18G_Congress_Dist3		Leib	R	0.162324652
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.75236398
18G_Governor	40.70%	Wagner	R	0.247636035
18G_US_Senator		Casey	D	0.744015694
18G_US_Senator		Barletta	R	0.255984306
18P_Congress_Dist2		Boyle	D	0.682415664
18P_Congress_Dist2		Lawrence	D	0.317584336
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.199769214
18P_Lt_Governor	18.55%	Cozzone	D	0.16241312
18P_Lt_Governor	37.48%	Fetterman	D	0.173254967
18P_Lt_Governor	3.58%	Sosa	D	0.021791052
18P_Lt_Governor	16.62%	Stack	D	0.442771643
19P_Mayor		Butkovitz	D	0.188023701
19P_Mayor		Kenney	D	0.603467941
19P_Mayor		Williams	D	0.208508343
19P_Municipal_Judge		Brunson	D	0.421092093
19P_Municipal_Judge		Conroy	D	0.578907907
19P_Register_Wills		Donatucci	D	0.453055441
19P_Register_Wills		Gordon	D	0.404932708
19P_Register_Wills		Whaumbush	D	0.142011836
20G_AG		Shapiro	D	0.679245353
20G_AG		Heidelbaugh	R	0.320754647
20G_Auditor	46.35%	Ahmad	D	0.654522181
20G_Auditor	49.44%	Defoor	R	0.345477819
20G_Congress_Dist2		Boyle	D	0.696641743
20G_Congress_Dist2		Torres	R	0.303358257
20G_President	50.01%	Biden	D	0.653488994
20G_President	48.84%	Trump	R	0.346510977
20G_Treasurer		Torsella	D	0.664803863
20G_Treasurer		Garrity	R	0.335196137
20P_Auditor	36.44%	Ahmad	D	0.685209453
20P_Auditor	7.47%	Conklin	D	0.037634473
20P_Auditor	5.99%	Davis	D	0.057299115
20P_Auditor	9.00%	Fountain	D	0.055327844
20P_Auditor	13.97%	Hartman	D	0.06988401
20P_Auditor	27.14%	Lamb	D	0.094645113
20P_President	79.26%	Biden	D	0.779860079
20P_President	2.70%	Gabbard	D	0.025375413
20P_President	18.04%	Sanders	D	0.19476454
21G_Superior_Judge		Lane	D	0.573841035
21G_Superior_Judge		Sullivan	R	0.426158965
21P_DA		Krasner	D	0.423460066
21P_DA		Vega	D	0.576539934
21P_Superior_Judge		Beck	D	0.194308311
21P_Superior_Judge		Lane	D	0.750621498
21P_Superior_Judge		Neft	D	0.055070199

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.931677639
12G_AG	41.56%	Freed	R	0.06832239
12G_Auditor		Depasquale	D	0.917934358
12G_Auditor		Maher	R	0.082065664
12G_President		Obama	D	0.931653678
12G_President		Romney	R	0.068346299
12G_Treasurer		McCord	D	0.927539229
12G_Treasurer		Vaughan	R	0.072460771
12G_US_Senate	53.69%	Casey	D	0.933261991
12G_US_Senate	44.59%	Smith	R	0.066737987
12P_AG	52.82%	Kane	D	0.375798792
12P_AG	47.18%	Murphy	D	0.624201179
12P_US_Senate	80.88%	Casey	D	0.809938371
12P_US_Senate	19.12%	Vodvarka	D	0.190061659
14G_Governor	54.93%	Wolf	D	0.941931188
14G_Governor	45.07%	Corbett	R	0.058068804
14P_Governor	16.84%	McCord	D	0.164760828
14P_Governor	7.66%	McGinty	D	0.034393884
14P_Governor	17.64%	Schwartz	D	0.316812813
14P_Governor	57.86%	Wolf	D	0.484032482
14P_Lt_Governor	15.88%	Critz	D	0.035893459
14P_Lt_Governor	11.91%	Koplinski	D	0.034765545
14P_Lt_Governor	10.84%	Neuman	D	0.041556519
14P_Lt_Governor	14.57%	Smith	D	0.062634379
14P_Lt_Governor	46.79%	Stack	D	0.825150073
15G_Mayor		Kenney	D	0.906447709
15G_Mayor		Bailey	R	0.078033477
15G_Mayor		Foster	U	0.008191317
15G_Mayor		Hart	U	0.005948367
15G_Mayor		Kindij	U	0.001379112
15G_Sheriff		Williams	D	0.872114599
15G_Sheriff		Sawyer	R	0.127885401
15P_Mayor		Abraham	D	0.068290293
15P_Mayor		Diaz	D	0.02943721
15P_Mayor		Kenney	D	0.509430289
15P_Mayor		Oliver	D	0.053178757
15P_Mayor		Street	D	0.019632017
15P_Mayor		Williams	D	0.320031434
16G_AG	51.39%	Shapiro	D	0.921098113
16G_AG	48.61%	Rafferty	R	0.078901894
16G_Auditor		Depasquale	D	0.916018724
16G_Auditor		Brown	R	0.083981261
16G_Congress_Dist1		Brady	D	0.896214902
16G_Congress_Dist1		Williams	R	0.103785105
16G_President	47.85%	Clinton	D	0.936476529

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.063523486
16G_Treasurer		Torsella	D	0.923196912
16G_Treasurer		Voit	R	0.076803058
16G_US_Senate	47.34%	McGinty	D	0.912303627
16G_US_Senate	48.77%	Toomey	R	0.087696396
16P_AG	16.22%	Morganelli	D	0.092420094
16P_AG	47.03%	Shapiro	D	0.617544115
16P_AG	36.74%	Zappala	D	0.290035784
16P_Congress_Dist2		Evans	D	0.444914162
16P_Congress_Dist2		Fattah	D	0.356705487
16P_Congress_Dist2		Gordon	D	0.110449106
16P_Congress_Dist2		Muroff	D	0.087931253
16P_President	55.61%	Clinton	D	0.650367379
16P_President	0.86%	DeLaFuente	D	0.002166237
16P_President	43.53%	Sanders	D	0.34746635
16P_US_Senate	19.49%	Fetterman	D	0.169084579
16P_US_Senate	42.50%	McGinty	D	0.463386208
16P_US_Senate	32.57%	Sestak	D	0.264704049
16P_US_Senate	5.45%	Vodvarka	D	0.10282515
17G_Supreme_Court		Woodruff	D	0.911351264
17G_Supreme_Court		Mundy	R	0.088648714
17P_DA		Deni	D	0.012546096
17P_DA		Khan	D	0.212205991
17P_DA		Krasner	D	0.424056083
17P_DA		Negrin	D	0.120389134
17P_DA		ONeill	D	0.021839501
17P_DA		Shabazz	D	0.140557796
17P_DA		Untermeyer	D	0.06840539
18G_Congress_Dist2		Boyle	D	0.963113844
18G_Congress_Dist2		Torres	R	0.036886133
18G_Congress_Dist3		Evans	D	0.937713385
18G_Congress_Dist3		Leib	R	0.062286641
18G_Congress_Dist5		Scanlon	D	0.973370075
18G_Congress_Dist5		Kim	R	0.026629936
18G_Governor	57.77%	Wolf	D	0.949956954
18G_Governor	40.70%	Wagner	R	0.050043069
18G_US_Senator		Casey	D	0.947990835
18G_US_Senator		Barletta	R	0.052009154
18P_Congress_Dist2		Boyle	D	0.472551465
18P_Congress_Dist2		Lawrence	D	0.527448535
18P_Congress_Dist5		Arata	D	0
18P_Congress_Dist5		Davidson	D	0.01754386
18P_Congress_Dist5		Kirkland	D	0.048245613
18P_Congress_Dist5		Lazer	D	0.258771926
18P_Congress_Dist5		Li	D	0.135964915
18P_Congress_Dist5		Lunkenheimer	D	0.048245613
18P_Congress_Dist5		Scanlon	D	0.092105262

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	0.144736841
18P_Congress_Dist5		Vitali	D	0.043859649
18P_Congress_Dist5		Wright	D	0.210526317
18P_Lt_Governor	23.78%	Ahmad	D	0.313329339
18P_Lt_Governor	18.55%	Cozzone	D	0.156901211
18P_Lt_Governor	37.48%	Fetterman	D	0.1736321
18P_Lt_Governor	3.58%	Sosa	D	0.008503912
18P_Lt_Governor	16.62%	Stack	D	0.347633451
19P_Mayor		Butkovitz	D	0.049404826
19P_Mayor		Kenney	D	0.698166788
19P_Mayor		Williams	D	0.252428412
19P_Municipal_Judge		Brunson	D	0.467272788
19P_Municipal_Judge		Conroy	D	0.532727242
19P_Register_Wills		Donatucci	D	0.363407284
19P_Register_Wills		Gordon	D	0.461983532
19P_Register_Wills		Whaumbush	D	0.174609169
20G_AG		Shapiro	D	0.922407329
20G_AG		Heidelbaugh	R	0.077592671
20G_Auditor	46.35%	Ahmad	D	0.916511834
20G_Auditor	49.44%	Defoor	R	0.083488189
20G_Congress_Dist2		Boyle	D	0.929067254
20G_Congress_Dist2		Torres	R	0.070932761
20G_President	50.01%	Biden	D	0.926144063
20G_President	48.84%	Trump	R	0.073855907
20G_Treasurer		Torsella	D	0.914615452
20G_Treasurer		Garrity	R	0.08538454
20P_Auditor	36.44%	Ahmad	D	0.730446994
20P_Auditor	7.47%	Conklin	D	0.024197193
20P_Auditor	5.99%	Davis	D	0.044888806
20P_Auditor	9.00%	Fountain	D	0.065846957
20P_Auditor	13.97%	Hartman	D	0.035785887
20P_Auditor	27.14%	Lamb	D	0.098834179
20P_President	79.26%	Biden	D	0.812958658
20P_President	2.70%	Gabbard	D	0.009533143
20P_President	18.04%	Sanders	D	0.177508175
21G_Superior_Judge		Lane	D	0.925942481
21G_Superior_Judge		Sullivan	R	0.07405749
21P_DA		Krasner	D	0.787417591
21P_DA		Vega	D	0.212582424
21P_Superior_Judge		Beck	D	0.098745853
21P_Superior_Judge		Lane	D	0.878250182
21P_Superior_Judge		Neft	D	0.023003954

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.591979861
12G_AG	41.56%	Freed	R	0.408020139
12G_Auditor		Depasquale	D	0.54668802
12G_Auditor		Maher	R	0.45331198
12G_President		Obama	D	0.580718875
12G_President		Romney	R	0.419281095
12G_Treasurer		McCord	D	0.576673985
12G_Treasurer		Vaughan	R	0.423325986
12G_US_Senate	53.69%	Casey	D	0.599081695
12G_US_Senate	44.59%	Smith	R	0.400918305
12P_AG	52.82%	Kane	D	0.366617203
12P_AG	47.18%	Murphy	D	0.633382797
12P_US_Senate	80.88%	Casey	D	0.885119736
12P_US_Senate	19.12%	Vodvarka	D	0.114880241
14G_Governor	54.93%	Wolf	D	0.606996298
14G_Governor	45.07%	Corbett	R	0.393003732
14P_Governor	16.84%	McCord	D	0.161281005
14P_Governor	7.66%	McGinty	D	0.038783517
14P_Governor	17.64%	Schwartz	D	0.405223221
14P_Governor	57.86%	Wolf	D	0.394712269
14P_Lt_Governor	15.88%	Critz	D	0.027595799
14P_Lt_Governor	11.91%	Koplinski	D	0.099377126
14P_Lt_Governor	10.84%	Neuman	D	0.056844525
14P_Lt_Governor	14.57%	Smith	D	0.121711783
14P_Lt_Governor	46.79%	Stack	D	0.694470763
16G_AG	51.39%	Shapiro	D	0.60758853
16G_AG	48.61%	Rafferty	R	0.39241147
16G_Auditor		Depasquale	D	0.568695128
16G_Auditor		Brown	R	0.431304842
16G_President	47.85%	Clinton	D	0.627258599
16G_President	48.58%	Trump	R	0.372741431
16G_Treasurer		Torsella	D	0.600048304
16G_Treasurer		Voit	R	0.399951696
16G_US_Senate	47.34%	McGinty	D	0.568168283
16G_US_Senate	48.77%	Toomey	R	0.431831717
16P_AG	16.22%	Morganelli	D	0.050454374
16P_AG	47.03%	Shapiro	D	0.822356343
16P_AG	36.74%	Zappala	D	0.127189308
16P_President	55.61%	Clinton	D	0.597409666
16P_President	0.86%	DeLaFuente	D	0.003098069
16P_President	43.53%	Sanders	D	0.399492294
16P_US_Senate	19.49%	Fetterman	D	0.095711201
16P_US_Senate	42.50%	McGinty	D	0.448113829
16P_US_Senate	32.57%	Sestak	D	0.448589087
16P_US_Senate	5.45%	Vodvarka	D	0.007585879

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.58473748
17G_Supreme_Court		Mundy	R	0.41526252
18G_Governor	57.77%	Wolf	D	0.69363606
18G_Governor	40.70%	Wagner	R	0.30636394
18G_US_Senator		Casey	D	0.675372958
18G_US_Senator		Barletta	R	0.324627012
18P_Lt_Governor	23.78%	Ahmad	D	0.322700053
18P_Lt_Governor	18.55%	Cozzone	D	0.149436191
18P_Lt_Governor	37.48%	Fetterman	D	0.253098994
18P_Lt_Governor	3.58%	Sosa	D	0.131689861
18P_Lt_Governor	16.62%	Stack	D	0.143074885
20G_AG		Shapiro	D	0.65164578
20G_AG		Heidelbaugh	R	0.34835422
20G_Auditor	46.35%	Ahmad	D	0.60707438
20G_Auditor	49.44%	Defoor	R	0.39292559
20G_President	50.01%	Biden	D	0.647991598
20G_President	48.84%	Trump	R	0.352008432
20G_Treasurer		Torsella	D	0.625025868
20G_Treasurer		Garrity	R	0.374974132
20P_Auditor	36.44%	Ahmad	D	0.612750769
20P_Auditor	7.47%	Conklin	D	0.045122813
20P_Auditor	5.99%	Davis	D	0.04132105
20P_Auditor	9.00%	Fountain	D	0.076565713
20P_Auditor	13.97%	Hartman	D	0.155164927
20P_Auditor	27.14%	Lamb	D	0.06907472
20P_President	79.26%	Biden	D	0.825214148
20P_President	2.70%	Gabbard	D	0.014060628
20P_President	18.04%	Sanders	D	0.160725251

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.662677824
12G_AG	41.56%	Freed	R	0.337322176
12G_Auditor		Depasquale	D	0.621686459
12G_Auditor		Maher	R	0.378313571
12G_President		Obama	D	0.659190297
12G_President		Romney	R	0.340809703
12G_Treasurer		McCord	D	0.640630245
12G_Treasurer		Vaughan	R	0.359369725
12G_US_Senate	53.69%	Casey	D	0.672810614
12G_US_Senate	44.59%	Smith	R	0.327189386
12P_AG	52.82%	Kane	D	0.372810066
12P_AG	47.18%	Murphy	D	0.627189934
12P_US_Senate	80.88%	Casey	D	0.829072237
12P_US_Senate	19.12%	Vodvarka	D	0.170927778
14G_Governor	54.93%	Wolf	D	0.661626041
14G_Governor	45.07%	Corbett	R	0.338373989
14P_Governor	16.84%	McCord	D	0.157554924
14P_Governor	7.66%	McGinty	D	0.052251782
14P_Governor	17.64%	Schwartz	D	0.290483147
14P_Governor	57.86%	Wolf	D	0.499710143
14P_Lt_Governor	15.88%	Critz	D	0.039761618
14P_Lt_Governor	11.91%	Koplinski	D	0.074564673
14P_Lt_Governor	10.84%	Neuman	D	0.046256635
14P_Lt_Governor	14.57%	Smith	D	0.109577239
14P_Lt_Governor	46.79%	Stack	D	0.729839861
15G_Mayor		Kenney	D	0.899505138
15G_Mayor		Bailey	R	0.089442432
15G_Mayor		Foster	U	0.004717915
15G_Mayor		Hart	U	0.005047839
15G_Mayor		Kindij	U	0.001286704
15G_Sheriff		Williams	D	0.820509434
15G_Sheriff		Sawyer	R	0.179490566
15P_Mayor		Abraham	D	0.055946421
15P_Mayor		Diaz	D	0.013425912
15P_Mayor		Kenney	D	0.621678114
15P_Mayor		Oliver	D	0.02491628
15P_Mayor		Street	D	0.015883744
15P_Mayor		Williams	D	0.268149555
16G_AG	51.39%	Shapiro	D	0.633576691
16G_AG	48.61%	Rafferty	R	0.366423309
16G_Auditor		Depasquale	D	0.622186661
16G_Auditor		Brown	R	0.377813369
16G_Congress_Dist1		Brady	D	0.806096077
16G_Congress_Dist1		Williams	R	0.193903893
16G_President	47.85%	Clinton	D	0.657945633

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.342054337
16G_Treasurer		Torsella	D	0.643761516
16G_Treasurer		Voit	R	0.356238455
16G_US_Senate	47.34%	McGinty	D	0.615974486
16G_US_Senate	48.77%	Toomey	R	0.384025484
16P_AG	16.22%	Morganelli	D	0.109231092
16P_AG	47.03%	Shapiro	D	0.572342813
16P_AG	36.74%	Zappala	D	0.318426102
16P_Congress_Dist2		Evans	D	0.330575943
16P_Congress_Dist2		Fattah	D	0.484190196
16P_Congress_Dist2		Gordon	D	0.139775798
16P_Congress_Dist2		Muroff	D	0.04545806
16P_President	55.61%	Clinton	D	0.594139934
16P_President	0.86%	DeLaFuente	D	0.004757094
16P_President	43.53%	Sanders	D	0.40110296
16P_US_Senate	19.49%	Fetterman	D	0.112858124
16P_US_Senate	42.50%	McGinty	D	0.314631909
16P_US_Senate	32.57%	Sestak	D	0.512328982
16P_US_Senate	5.45%	Vodvarka	D	0.060180958
17G_Supreme_Court		Woodruff	D	0.550940096
17G_Supreme_Court		Mundy	R	0.449059933
17P_DA		Deni	D	0.01467803
17P_DA		Khan	D	0.142676771
17P_DA		Krasner	D	0.384206653
17P_DA		Negrin	D	0.146832913
17P_DA		ONeill	D	0.130260944
17P_DA		Shabazz	D	0.096117422
17P_DA		Untermeyer	D	0.085227273
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.90847224
18G_Congress_Dist3		Leib	R	0.091527767
18G_Congress_Dist5		Scanlon	D	0.798184931
18G_Congress_Dist5		Kim	R	0.201815069
18G_Governor	57.77%	Wolf	D	0.713315785
18G_Governor	40.70%	Wagner	R	0.286684215
18G_US_Senator		Casey	D	0.699291527
18G_US_Senator		Barletta	R	0.300708443
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.011093911
18P_Congress_Dist5		Davidson	D	0.021413829
18P_Congress_Dist5		Kirkland	D	0.025369797
18P_Congress_Dist5		Lazer	D	0.414172679
18P_Congress_Dist5		Li	D	0.124183007
18P_Congress_Dist5		Lunkenheimer	D	0.06759546
18P_Congress_Dist5		Scanlon	D	0.082989335

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	0.133126929
18P_Congress_Dist5		Vitali	D	0.040935673
18P_Congress_Dist5		Wright	D	0.079119369
18P_Lt_Governor	23.78%	Ahmad	D	0.350402772
18P_Lt_Governor	18.55%	Cozzone	D	0.218892425
18P_Lt_Governor	37.48%	Fetterman	D	0.176008612
18P_Lt_Governor	3.58%	Sosa	D	0.016531289
18P_Lt_Governor	16.62%	Stack	D	0.238164917
19P_Mayor		Butkovitz	D	0.095425896
19P_Mayor		Kenney	D	0.644898117
19P_Mayor		Williams	D	0.25967598
19P_Municipal_Judge		Brunson	D	0.378767371
19P_Municipal_Judge		Conroy	D	0.621232629
19P_Register_Wills		Donatucci	D	0.472918272
19P_Register_Wills		Gordon	D	0.411251068
19P_Register_Wills		Whaumbush	D	0.115830645
20G_AG		Shapiro	D	0.655975044
20G_AG		Heidelbaugh	R	0.344024926
20G_Auditor	46.35%	Ahmad	D	0.632978439
20G_Auditor	49.44%	Defoor	R	0.367021561
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.665611506
20G_President	48.84%	Trump	R	0.334388494
20G_Treasurer		Torsella	D	0.642731905
20G_Treasurer		Garrity	R	0.357268125
20P_Auditor	36.44%	Ahmad	D	0.7104249
20P_Auditor	7.47%	Conklin	D	0.035024066
20P_Auditor	5.99%	Davis	D	0.044614743
20P_Auditor	9.00%	Fountain	D	0.065542325
20P_Auditor	13.97%	Hartman	D	0.079494044
20P_Auditor	27.14%	Lamb	D	0.064899929
20P_President	79.26%	Biden	D	0.801511168
20P_President	2.70%	Gabbard	D	0.012902431
20P_President	18.04%	Sanders	D	0.185586393
21G_Superior_Judge		Lane	D	0.772747993
21G_Superior_Judge		Sullivan	R	0.227252007
21P_DA		Krasner	D	0.640979946
21P_DA		Vega	D	0.359020054
21P_Superior_Judge		Beck	D	0.137626886
21P_Superior_Judge		Lane	D	0.827929437
21P_Superior_Judge		Neft	D	0.034443676

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.533278167
12G_AG	41.56%	Freed	R	0.466721833
12G_Auditor		Depasquale	D	0.463148981
12G_Auditor		Maher	R	0.536851048
12G_President		Obama	D	0.512246192
12G_President		Romney	R	0.487753838
12G_Treasurer		McCord	D	0.49886775
12G_Treasurer		Vaughan	R	0.50113225
12G_US_Senate	53.69%	Casey	D	0.52655834
12G_US_Senate	44.59%	Smith	R	0.473441631
12P_AG	52.82%	Kane	D	0.446856856
12P_AG	47.18%	Murphy	D	0.553143144
12P_US_Senate	80.88%	Casey	D	0.857320905
12P_US_Senate	19.12%	Vodvarka	D	0.142679095
14G_Governor	54.93%	Wolf	D	0.523133695
14G_Governor	45.07%	Corbett	R	0.476866305
14P_Governor	16.84%	McCord	D	0.187556192
14P_Governor	7.66%	McGinty	D	0.088228911
14P_Governor	17.64%	Schwartz	D	0.176736832
14P_Governor	57.86%	Wolf	D	0.54747808
14P_Lt_Governor	15.88%	Critz	D	0.041033644
14P_Lt_Governor	11.91%	Koplinski	D	0.195733607
14P_Lt_Governor	10.84%	Neuman	D	0.054006245
14P_Lt_Governor	14.57%	Smith	D	0.156018034
14P_Lt_Governor	46.79%	Stack	D	0.55320847
16G_AG	51.39%	Shapiro	D	0.508452892
16G_AG	48.61%	Rafferty	R	0.491547078
16G_Auditor		Depasquale	D	0.489216834
16G_Auditor		Brown	R	0.510783136
16G_President	47.85%	Clinton	D	0.544552684
16G_President	48.58%	Trump	R	0.455447286
16G_Treasurer		Torsella	D	0.519055367
16G_Treasurer		Voit	R	0.480944633
16G_US_Senate	47.34%	McGinty	D	0.495229393
16G_US_Senate	48.77%	Toomey	R	0.504770637
16P_AG	16.22%	Morganelli	D	0.127144292
16P_AG	47.03%	Shapiro	D	0.651258588
16P_AG	36.74%	Zappala	D	0.22159712
16P_President	55.61%	Clinton	D	0.544940531
16P_President	0.86%	DeLaFuente	D	0.004764574
16P_President	43.53%	Sanders	D	0.450294882
16P_US_Senate	19.49%	Fetterman	D	0.077763289
16P_US_Senate	42.50%	McGinty	D	0.479077637
16P_US_Senate	32.57%	Sestak	D	0.424773723
16P_US_Senate	5.45%	Vodvarka	D	0.018385343

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.489391536
17G_Supreme_Court		Mundy	R	0.510608494
18G_Governor	57.77%	Wolf	D	0.617323637
18G_Governor	40.70%	Wagner	R	0.382676363
18G_US_Senator		Casey	D	0.597434103
18G_US_Senator		Barletta	R	0.402565897
18P_Lt_Governor	23.78%	Ahmad	D	0.190580264
18P_Lt_Governor	18.55%	Cozzone	D	0.556920886
18P_Lt_Governor	37.48%	Fetterman	D	0.152224332
18P_Lt_Governor	3.58%	Sosa	D	0.017512061
18P_Lt_Governor	16.62%	Stack	D	0.08276248
20G_AG		Shapiro	D	0.55343765
20G_AG		Heidelbaugh	R	0.44656238
20G_Auditor	46.35%	Ahmad	D	0.523571908
20G_Auditor	49.44%	Defoor	R	0.476428121
20G_President	50.01%	Biden	D	0.572454274
20G_President	48.84%	Trump	R	0.427545726
20G_Treasurer		Torsella	D	0.537903845
20G_Treasurer		Garrity	R	0.462096155
20P_Auditor	36.44%	Ahmad	D	0.381364375
20P_Auditor	7.47%	Conklin	D	0.040407322
20P_Auditor	5.99%	Davis	D	0.035246223
20P_Auditor	9.00%	Fountain	D	0.069031104
20P_Auditor	13.97%	Hartman	D	0.411356717
20P_Auditor	27.14%	Lamb	D	0.062594235
20P_President	79.26%	Biden	D	0.815012574
20P_President	2.70%	Gabbard	D	0.016050506
20P_President	18.04%	Sanders	D	0.168936923

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.563620985
12G_AG	41.56%	Freed	R	0.436379015
12G_Auditor		Depasquale	D	0.506414831
12G_Auditor		Maher	R	0.49358514
12G_President		Obama	D	0.525110364
12G_President		Romney	R	0.474889606
12G_Treasurer		McCord	D	0.536821485
12G_Treasurer		Vaughan	R	0.463178515
12G_US_Senate	53.69%	Casey	D	0.53870827
12G_US_Senate	44.59%	Smith	R	0.46129173
12P_AG	52.82%	Kane	D	0.512559175
12P_AG	47.18%	Murphy	D	0.487440854
12P_US_Senate	80.88%	Casey	D	0.822575212
12P_US_Senate	19.12%	Vodvarka	D	0.177424803
14G_Governor	54.93%	Wolf	D	0.546651363
14G_Governor	45.07%	Corbett	R	0.453348637
14P_Governor	16.84%	McCord	D	0.154147685
14P_Governor	7.66%	McGinty	D	0.062575661
14P_Governor	17.64%	Schwartz	D	0.144030675
14P_Governor	57.86%	Wolf	D	0.639245987
14P_Lt_Governor	15.88%	Critz	D	0.053149607
14P_Lt_Governor	11.91%	Koplinski	D	0.152438179
14P_Lt_Governor	10.84%	Neuman	D	0.071004279
14P_Lt_Governor	14.57%	Smith	D	0.23401022
14P_Lt_Governor	46.79%	Stack	D	0.489397705
16G_AG	51.39%	Shapiro	D	0.512476861
16G_AG	48.61%	Rafferty	R	0.487523168
16G_Auditor		Depasquale	D	0.491016448
16G_Auditor		Brown	R	0.508983552
16G_President	47.85%	Clinton	D	0.485730916
16G_President	48.58%	Trump	R	0.514269114
16G_Treasurer		Torsella	D	0.523451626
16G_Treasurer		Voit	R	0.476548374
16G_US_Senate	47.34%	McGinty	D	0.47767204
16G_US_Senate	48.77%	Toomey	R	0.52232796
16P_AG	16.22%	Morganelli	D	0.673120022
16P_AG	47.03%	Shapiro	D	0.235724345
16P_AG	36.74%	Zappala	D	0.091155611
16P_President	55.61%	Clinton	D	0.514795721
16P_President	0.86%	DeLaFuente	D	0.008094615
16P_President	43.53%	Sanders	D	0.4771097
16P_US_Senate	19.49%	Fetterman	D	0.110238187
16P_US_Senate	42.50%	McGinty	D	0.421358079
16P_US_Senate	32.57%	Sestak	D	0.429477572
16P_US_Senate	5.45%	Vodvarka	D	0.038926173

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.470042437
17G_Supreme_Court		Mundy	R	0.529957533
18G_Governor	57.77%	Wolf	D	0.581123531
18G_Governor	40.70%	Wagner	R	0.418876469
18G_US_Senator		Casey	D	0.551772535
18G_US_Senator		Barletta	R	0.448227495
18P_Lt_Governor	23.78%	Ahmad	D	0.28545478
18P_Lt_Governor	18.55%	Cozzone	D	0.239450097
18P_Lt_Governor	37.48%	Fetterman	D	0.191898853
18P_Lt_Governor	3.58%	Sosa	D	0.062771574
18P_Lt_Governor	16.62%	Stack	D	0.220424697
20G_AG		Shapiro	D	0.516382635
20G_AG		Heidelbaugh	R	0.483617395
20G_Auditor	46.35%	Ahmad	D	0.485945106
20G_Auditor	49.44%	Defoor	R	0.514054894
20G_President	50.01%	Biden	D	0.503868282
20G_President	48.84%	Trump	R	0.496131718
20G_Treasurer		Torsella	D	0.497316092
20G_Treasurer		Garrity	R	0.502683938
20P_Auditor	36.44%	Ahmad	D	0.338383079
20P_Auditor	7.47%	Conklin	D	0.085918918
20P_Auditor	5.99%	Davis	D	0.165033057
20P_Auditor	9.00%	Fountain	D	0.101673014
20P_Auditor	13.97%	Hartman	D	0.177240416
20P_Auditor	27.14%	Lamb	D	0.131751508
20P_President	79.26%	Biden	D	0.789617062
20P_President	2.70%	Gabbard	D	0.025951238
20P_President	18.04%	Sanders	D	0.184431717

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.639931798
12G_AG	41.56%	Freed	R	0.360068232
12G_Auditor		Depasquale	D	0.56731075
12G_Auditor		Maher	R	0.432689279
12G_President		Obama	D	0.563997984
12G_President		Romney	R	0.436002046
12G_Treasurer		McCord	D	0.599180758
12G_Treasurer		Vaughan	R	0.400819242
12G_US_Senate	53.69%	Casey	D	0.591375768
12G_US_Senate	44.59%	Smith	R	0.408624262
12P_AG	52.82%	Kane	D	0.771528006
12P_AG	47.18%	Murphy	D	0.228472009
12P_US_Senate	80.88%	Casey	D	0.905699611
12P_US_Senate	19.12%	Vodvarka	D	0.094300389
14G_Governor	54.93%	Wolf	D	0.597478211
14G_Governor	45.07%	Corbett	R	0.402521759
14P_Governor	16.84%	McCord	D	0.2139263
14P_Governor	7.66%	McGinty	D	0.08754947
14P_Governor	17.64%	Schwartz	D	0.0633725
14P_Governor	57.86%	Wolf	D	0.635151744
14P_Lt_Governor	15.88%	Critz	D	0.039817233
14P_Lt_Governor	11.91%	Koplinski	D	0.113178127
14P_Lt_Governor	10.84%	Neuman	D	0.075699881
14P_Lt_Governor	14.57%	Smith	D	0.338700324
14P_Lt_Governor	46.79%	Stack	D	0.432604432
16G_AG	51.39%	Shapiro	D	0.529467821
16G_AG	48.61%	Rafferty	R	0.470532209
16G_Auditor		Depasquale	D	0.547900081
16G_Auditor		Brown	R	0.452099919
16G_President	47.85%	Clinton	D	0.455490351
16G_President	48.58%	Trump	R	0.544509649
16G_Treasurer		Torsella	D	0.559066057
16G_Treasurer		Voit	R	0.440933973
16G_US_Senate	47.34%	McGinty	D	0.501612663
16G_US_Senate	48.77%	Toomey	R	0.498387337
16P_AG	16.22%	Morganelli	D	0.319777697
16P_AG	47.03%	Shapiro	D	0.42335242
16P_AG	36.74%	Zappala	D	0.256869882
16P_President	55.61%	Clinton	D	0.540315032
16P_President	0.86%	DeLaFuente	D	0.009964137
16P_President	43.53%	Sanders	D	0.44972083
16P_US_Senate	19.49%	Fetterman	D	0.085976966
16P_US_Senate	42.50%	McGinty	D	0.496906847
16P_US_Senate	32.57%	Sestak	D	0.383155674
16P_US_Senate	5.45%	Vodvarka	D	0.033960529

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.431482881
17G_Supreme_Court		Mundy	R	0.568517148
18G_Governor	57.77%	Wolf	D	0.570717812
18G_Governor	40.70%	Wagner	R	0.429282159
18G_US_Senator		Casey	D	0.52853328
18G_US_Senator		Barletta	R	0.47146669
18P_Lt_Governor	23.78%	Ahmad	D	0.266797066
18P_Lt_Governor	18.55%	Cozzone	D	0.171869844
18P_Lt_Governor	37.48%	Fetterman	D	0.199456394
18P_Lt_Governor	3.58%	Sosa	D	0.036248636
18P_Lt_Governor	16.62%	Stack	D	0.325628072
20G_AG		Shapiro	D	0.531970859
20G_AG		Heidelbaugh	R	0.468029171
20G_Auditor	46.35%	Ahmad	D	0.486439556
20G_Auditor	49.44%	Defoor	R	0.513560414
20G_President	50.01%	Biden	D	0.48170656
20G_President	48.84%	Trump	R	0.51829344
20G_Treasurer		Torsella	D	0.496654779
20G_Treasurer		Garrity	R	0.503345191
20P_Auditor	36.44%	Ahmad	D	0.22090961
20P_Auditor	7.47%	Conklin	D	0.073118061
20P_Auditor	5.99%	Davis	D	0.331653655
20P_Auditor	9.00%	Fountain	D	0.076306045
20P_Auditor	13.97%	Hartman	D	0.145426258
20P_Auditor	27.14%	Lamb	D	0.152586386
20P_President	79.26%	Biden	D	0.807243466
20P_President	2.70%	Gabbard	D	0.035220489
20P_President	18.04%	Sanders	D	0.157536075

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.464624763
12G_AG	41.56%	Freed	R	0.535375237
12G_Auditor		Depasquale	D	0.374049604
12G_Auditor		Maher	R	0.625950396
12G_President		Obama	D	0.390709609
12G_President		Romney	R	0.609290361
12G_Treasurer		McCord	D	0.414889604
12G_Treasurer		Vaughan	R	0.585110366
12G_US_Senate	53.69%	Casey	D	0.405042022
12G_US_Senate	44.59%	Smith	R	0.594957948
12P_AG	52.82%	Kane	D	0.690695167
12P_AG	47.18%	Murphy	D	0.309304863
12P_US_Senate	80.88%	Casey	D	0.870482087
12P_US_Senate	19.12%	Vodvarka	D	0.129517898
14G_Governor	54.93%	Wolf	D	0.438577384
14G_Governor	45.07%	Corbett	R	0.561422586
14P_Governor	16.84%	McCord	D	0.17849426
14P_Governor	7.66%	McGinty	D	0.10003648
14P_Governor	17.64%	Schwartz	D	0.079720512
14P_Governor	57.86%	Wolf	D	0.641748726
14P_Lt_Governor	15.88%	Critz	D	0.053530961
14P_Lt_Governor	11.91%	Koplinski	D	0.225975379
14P_Lt_Governor	10.84%	Neuman	D	0.047589883
14P_Lt_Governor	14.57%	Smith	D	0.343847603
14P_Lt_Governor	46.79%	Stack	D	0.329056174
16G_AG	51.39%	Shapiro	D	0.351609945
16G_AG	48.61%	Rafferty	R	0.648390055
16G_Auditor		Depasquale	D	0.357176721
16G_Auditor		Brown	R	0.642823279
16G_President	47.85%	Clinton	D	0.296738714
16G_President	48.58%	Trump	R	0.703261316
16G_Treasurer		Torsella	D	0.381943226
16G_Treasurer		Voit	R	0.618056774
16G_US_Senate	47.34%	McGinty	D	0.332563668
16G_US_Senate	48.77%	Toomey	R	0.667436302
16P_AG	16.22%	Morganelli	D	0.328243613
16P_AG	47.03%	Shapiro	D	0.467463583
16P_AG	36.74%	Zappala	D	0.204292819
16P_President	55.61%	Clinton	D	0.484660596
16P_President	0.86%	DeLaFuente	D	0.012562165
16P_President	43.53%	Sanders	D	0.502777219
16P_US_Senate	19.49%	Fetterman	D	0.122442268
16P_US_Senate	42.50%	McGinty	D	0.486745
16P_US_Senate	32.57%	Sestak	D	0.35989809
16P_US_Senate	5.45%	Vodvarka	D	0.03091462

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.288817644
17G_Supreme_Court		Mundy	R	0.711182356
18G_Governor	57.77%	Wolf	D	0.413530648
18G_Governor	40.70%	Wagner	R	0.586469352
18G_US_Senator		Casey	D	0.373037517
18G_US_Senator		Barletta	R	0.626962483
18P_Lt_Governor	23.78%	Ahmad	D	0.252838641
18P_Lt_Governor	18.55%	Cozzone	D	0.199645624
18P_Lt_Governor	37.48%	Fetterman	D	0.273703635
18P_Lt_Governor	3.58%	Sosa	D	0.041187532
18P_Lt_Governor	16.62%	Stack	D	0.232624575
20G_AG		Shapiro	D	0.348194152
20G_AG		Heidelbaugh	R	0.651805878
20G_Auditor	46.35%	Ahmad	D	0.301996231
20G_Auditor	49.44%	Defoor	R	0.698003769
20G_President	50.01%	Biden	D	0.315959811
20G_President	48.84%	Trump	R	0.684040189
20G_Treasurer		Torsella	D	0.313526034
20G_Treasurer		Garrity	R	0.686473966
20P_Auditor	36.44%	Ahmad	D	0.188245192
20P_Auditor	7.47%	Conklin	D	0.147105381
20P_Auditor	5.99%	Davis	D	0.09223894
20P_Auditor	9.00%	Fountain	D	0.169047952
20P_Auditor	13.97%	Hartman	D	0.265795648
20P_Auditor	27.14%	Lamb	D	0.137566879
20P_President	79.26%	Biden	D	0.773396552
20P_President	2.70%	Gabbard	D	0.045564476
20P_President	18.04%	Sanders	D	0.181038991

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.493816793
12G_AG	41.56%	Freed	R	0.506183207
12G_Auditor		Depasquale	D	0.457357824
12G_Auditor		Maher	R	0.542642176
12G_President		Obama	D	0.466702104
12G_President		Romney	R	0.533297896
12G_Treasurer		McCord	D	0.481496751
12G_Treasurer		Vaughan	R	0.518503249
12G_US_Senate	53.69%	Casey	D	0.485910654
12G_US_Senate	44.59%	Smith	R	0.514089346
12P_AG	52.82%	Kane	D	0.63923955
12P_AG	47.18%	Murphy	D	0.36076048
12P_US_Senate	80.88%	Casey	D	0.857487321
12P_US_Senate	19.12%	Vodvarka	D	0.142512679
14G_Governor	54.93%	Wolf	D	0.470262617
14G_Governor	45.07%	Corbett	R	0.529737413
14P_Governor	16.84%	McCord	D	0.085750252
14P_Governor	7.66%	McGinty	D	0.07424777
14P_Governor	17.64%	Schwartz	D	0.066003501
14P_Governor	57.86%	Wolf	D	0.773998499
14P_Lt_Governor	15.88%	Critz	D	0.048141476
14P_Lt_Governor	11.91%	Koplinski	D	0.508187354
14P_Lt_Governor	10.84%	Neuman	D	0.050843295
14P_Lt_Governor	14.57%	Smith	D	0.075323403
14P_Lt_Governor	46.79%	Stack	D	0.317504495
16G_AG	51.39%	Shapiro	D	0.443769187
16G_AG	48.61%	Rafferty	R	0.556230783
16G_Auditor		Depasquale	D	0.503777623
16G_Auditor		Brown	R	0.496222377
16G_President	47.85%	Clinton	D	0.451721936
16G_President	48.58%	Trump	R	0.548278034
16G_Treasurer		Torsella	D	0.460753798
16G_Treasurer		Voit	R	0.539246202
16G_US_Senate	47.34%	McGinty	D	0.436942726
16G_US_Senate	48.77%	Toomey	R	0.563057244
16P_AG	16.22%	Morganelli	D	0.17935963
16P_AG	47.03%	Shapiro	D	0.573078811
16P_AG	36.74%	Zappala	D	0.247561544
16P_President	55.61%	Clinton	D	0.543002129
16P_President	0.86%	DeLaFuente	D	0.007451486
16P_President	43.53%	Sanders	D	0.449546397
16P_US_Senate	19.49%	Fetterman	D	0.150744349
16P_US_Senate	42.50%	McGinty	D	0.517020881
16P_US_Senate	32.57%	Sestak	D	0.298869044
16P_US_Senate	5.45%	Vodvarka	D	0.033365726

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.37500447
17G_Supreme_Court		Mundy	R	0.62499553
18G_Governor	57.77%	Wolf	D	0.551496983
18G_Governor	40.70%	Wagner	R	0.448503017
18G_US_Senator		Casey	D	0.506199241
18G_US_Senator		Barletta	R	0.493800759
18P_Lt_Governor	23.78%	Ahmad	D	0.370171785
18P_Lt_Governor	18.55%	Cozzone	D	0.170881346
18P_Lt_Governor	37.48%	Fetterman	D	0.341655999
18P_Lt_Governor	3.58%	Sosa	D	0.029075971
18P_Lt_Governor	16.62%	Stack	D	0.088214897
20G_AG		Shapiro	D	0.486036271
20G_AG		Heidelbaugh	R	0.513963759
20G_Auditor	46.35%	Ahmad	D	0.439960837
20G_Auditor	49.44%	Defoor	R	0.560039163
20G_President	50.01%	Biden	D	0.481993318
20G_President	48.84%	Trump	R	0.518006682
20G_Treasurer		Torsella	D	0.456879556
20G_Treasurer		Garrity	R	0.543120444
20P_Auditor	36.44%	Ahmad	D	0.172974035
20P_Auditor	7.47%	Conklin	D	0.08356832
20P_Auditor	5.99%	Davis	D	0.035511926
20P_Auditor	9.00%	Fountain	D	0.443615764
20P_Auditor	13.97%	Hartman	D	0.172038481
20P_Auditor	27.14%	Lamb	D	0.092291474
20P_President	79.26%	Biden	D	0.797594011
20P_President	2.70%	Gabbard	D	0.024502976
20P_President	18.04%	Sanders	D	0.177902997

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.434088975
12G_AG	41.56%	Freed	R	0.565911055
12G_Auditor		Depasquale	D	0.366753608
12G_Auditor		Maher	R	0.633246422
12G_President		Obama	D	0.386334091
12G_President		Romney	R	0.613665879
12G_Treasurer		McCord	D	0.382509172
12G_Treasurer		Vaughan	R	0.617490828
12G_US_Senate	53.69%	Casey	D	0.396130145
12G_US_Senate	44.59%	Smith	R	0.603869855
12P_AG	52.82%	Kane	D	0.588899791
12P_AG	47.18%	Murphy	D	0.411100239
12P_US_Senate	80.88%	Casey	D	0.846662402
12P_US_Senate	19.12%	Vodvarka	D	0.153337628
14G_Governor	54.93%	Wolf	D	0.401915133
14G_Governor	45.07%	Corbett	R	0.598084867
14P_Governor	16.84%	McCord	D	0.087835021
14P_Governor	7.66%	McGinty	D	0.069449186
14P_Governor	17.64%	Schwartz	D	0.081276774
14P_Governor	57.86%	Wolf	D	0.761439025
14P_Lt_Governor	15.88%	Critz	D	0.058775406
14P_Lt_Governor	11.91%	Koplinski	D	0.324750245
14P_Lt_Governor	10.84%	Neuman	D	0.052402686
14P_Lt_Governor	14.57%	Smith	D	0.136712015
14P_Lt_Governor	46.79%	Stack	D	0.427359641
16G_AG	51.39%	Shapiro	D	0.362718791
16G_AG	48.61%	Rafferty	R	0.637281239
16G_Auditor		Depasquale	D	0.387707233
16G_Auditor		Brown	R	0.612292767
16G_President	47.85%	Clinton	D	0.36481753
16G_President	48.58%	Trump	R	0.63518244
16G_Treasurer		Torsella	D	0.368567288
16G_Treasurer		Voit	R	0.631432712
16G_US_Senate	47.34%	McGinty	D	0.361140341
16G_US_Senate	48.77%	Toomey	R	0.63885963
16P_AG	16.22%	Morganelli	D	0.180429086
16P_AG	47.03%	Shapiro	D	0.592292011
16P_AG	36.74%	Zappala	D	0.227278903
16P_President	55.61%	Clinton	D	0.47963351
16P_President	0.86%	DeLaFuente	D	0.007242583
16P_President	43.53%	Sanders	D	0.51312393
16P_US_Senate	19.49%	Fetterman	D	0.165421978
16P_US_Senate	42.50%	McGinty	D	0.531666934
16P_US_Senate	32.57%	Sestak	D	0.292343378
16P_US_Senate	5.45%	Vodvarka	D	0.01056772

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.322168499
17G_Supreme_Court		Mundy	R	0.677831471
18G_Governor	57.77%	Wolf	D	0.457811177
18G_Governor	40.70%	Wagner	R	0.542188823
18G_US_Senator		Casey	D	0.430951864
18G_US_Senator		Barletta	R	0.569048107
18P_Lt_Governor	23.78%	Ahmad	D	0.371258974
18P_Lt_Governor	18.55%	Cozzone	D	0.225840166
18P_Lt_Governor	37.48%	Fetterman	D	0.296020746
18P_Lt_Governor	3.58%	Sosa	D	0.026458787
18P_Lt_Governor	16.62%	Stack	D	0.080421336
20G_AG		Shapiro	D	0.381623894
20G_AG		Heidelbaugh	R	0.618376136
20G_Auditor	46.35%	Ahmad	D	0.357121408
20G_Auditor	49.44%	Defoor	R	0.642878592
20G_President	50.01%	Biden	D	0.390427142
20G_President	48.84%	Trump	R	0.609572887
20G_Treasurer		Torsella	D	0.358053356
20G_Treasurer		Garrity	R	0.641946673
20P_Auditor	36.44%	Ahmad	D	0.136205345
20P_Auditor	7.47%	Conklin	D	0.040836476
20P_Auditor	5.99%	Davis	D	0.026961049
20P_Auditor	9.00%	Fountain	D	0.080362596
20P_Auditor	13.97%	Hartman	D	0.670418262
20P_Auditor	27.14%	Lamb	D	0.0452163
20P_President	79.26%	Biden	D	0.763777435
20P_President	2.70%	Gabbard	D	0.026258627
20P_President	18.04%	Sanders	D	0.209963918

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.616538942
12G_AG	41.56%	Freed	R	0.383461058
12G_Auditor		Depasquale	D	0.571830392
12G_Auditor		Maher	R	0.428169608
12G_President		Obama	D	0.562410772
12G_President		Romney	R	0.437589258
12G_Treasurer		McCord	D	0.596027076
12G_Treasurer		Vaughan	R	0.403972924
12G_US_Senate	53.69%	Casey	D	0.59033972
12G_US_Senate	44.59%	Smith	R	0.40966028
12P_AG	52.82%	Kane	D	0.523724616
12P_AG	47.18%	Murphy	D	0.476275414
12P_US_Senate	80.88%	Casey	D	0.735513806
12P_US_Senate	19.12%	Vodvarka	D	0.264486164
14G_Governor	54.93%	Wolf	D	0.563690662
14G_Governor	45.07%	Corbett	R	0.436309338
14P_Governor	16.84%	McCord	D	0.143882141
14P_Governor	7.66%	McGinty	D	0.105493419
14P_Governor	17.64%	Schwartz	D	0.153936714
14P_Governor	57.86%	Wolf	D	0.596687734
14P_Lt_Governor	15.88%	Critz	D	0.322006345
14P_Lt_Governor	11.91%	Koplinski	D	0.075238429
14P_Lt_Governor	10.84%	Neuman	D	0.17195338
14P_Lt_Governor	14.57%	Smith	D	0.074567288
14P_Lt_Governor	46.79%	Stack	D	0.35623455
16G_AG	51.39%	Shapiro	D	0.586634874
16G_AG	48.61%	Rafferty	R	0.413365096
16G_Auditor		Depasquale	D	0.63964045
16G_Auditor		Brown	R	0.360359579
16G_President	47.85%	Clinton	D	0.581842005
16G_President	48.58%	Trump	R	0.418158025
16G_Treasurer		Torsella	D	0.618400693
16G_Treasurer		Voit	R	0.381599277
16G_US_Senate	47.34%	McGinty	D	0.569395542
16G_US_Senate	48.77%	Toomey	R	0.430604488
16P_AG	16.22%	Morganelli	D	0.043379307
16P_AG	47.03%	Shapiro	D	0.254270196
16P_AG	36.74%	Zappala	D	0.702350497
16P_President	55.61%	Clinton	D	0.552368045
16P_President	0.86%	DeLaFuente	D	0.007279518
16P_President	43.53%	Sanders	D	0.44035244
16P_US_Senate	19.49%	Fetterman	D	0.430090696
16P_US_Senate	42.50%	McGinty	D	0.333646566
16P_US_Senate	32.57%	Sestak	D	0.189517334
16P_US_Senate	5.45%	Vodvarka	D	0.04674542

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.620440304
17G_Supreme_Court		Mundy	R	0.379559726
18G_Governor	57.77%	Wolf	D	0.673728645
18G_Governor	40.70%	Wagner	R	0.326271325
18G_US_Senator		Casey	D	0.657816231
18G_US_Senator		Barletta	R	0.342183799
18P_Lt_Governor	23.78%	Ahmad	D	0.146362886
18P_Lt_Governor	18.55%	Cozzone	D	0.063593738
18P_Lt_Governor	37.48%	Fetterman	D	0.758219481
18P_Lt_Governor	3.58%	Sosa	D	0.009229605
18P_Lt_Governor	16.62%	Stack	D	0.02259429
20G_AG		Shapiro	D	0.631616294
20G_AG		Heidelbaugh	R	0.368383706
20G_Auditor	46.35%	Ahmad	D	0.579758227
20G_Auditor	49.44%	Defoor	R	0.420241803
20G_President	50.01%	Biden	D	0.596309602
20G_President	48.84%	Trump	R	0.403690398
20G_Treasurer		Torsella	D	0.586755335
20G_Treasurer		Garrity	R	0.413244635
20P_Auditor	36.44%	Ahmad	D	0.142381892
20P_Auditor	7.47%	Conklin	D	0.011545462
20P_Auditor	5.99%	Davis	D	0.017871441
20P_Auditor	9.00%	Fountain	D	0.053992867
20P_Auditor	13.97%	Hartman	D	0.027575161
20P_Auditor	27.14%	Lamb	D	0.746633172
20P_President	79.26%	Biden	D	0.759930015
20P_President	2.70%	Gabbard	D	0.028585117
20P_President	18.04%	Sanders	D	0.211484864

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.446192712
12G_AG	41.56%	Freed	R	0.553807259
12G_Auditor		Depasquale	D	0.348588377
12G_Auditor		Maher	R	0.651411593
12G_President		Obama	D	0.342358291
12G_President		Romney	R	0.657641709
12G_Treasurer		McCord	D	0.386674851
12G_Treasurer		Vaughan	R	0.613325179
12G_US_Senate	53.69%	Casey	D	0.377727389
12G_US_Senate	44.59%	Smith	R	0.622272611
12P_AG	52.82%	Kane	D	0.632549942
12P_AG	47.18%	Murphy	D	0.367450029
12P_US_Senate	80.88%	Casey	D	0.815131903
12P_US_Senate	19.12%	Vodvarka	D	0.184868068
14G_Governor	54.93%	Wolf	D	0.415728658
14G_Governor	45.07%	Corbett	R	0.584271371
14P_Governor	16.84%	McCord	D	0.195539147
14P_Governor	7.66%	McGinty	D	0.108130507
14P_Governor	17.64%	Schwartz	D	0.065355539
14P_Governor	57.86%	Wolf	D	0.630974829
14P_Lt_Governor	15.88%	Critz	D	0.540193617
14P_Lt_Governor	11.91%	Koplinski	D	0.159952268
14P_Lt_Governor	10.84%	Neuman	D	0.047473811
14P_Lt_Governor	14.57%	Smith	D	0.106590636
14P_Lt_Governor	46.79%	Stack	D	0.145789683
16G_AG	51.39%	Shapiro	D	0.332213104
16G_AG	48.61%	Rafferty	R	0.667786896
16G_Auditor		Depasquale	D	0.351289839
16G_Auditor		Brown	R	0.648710191
16G_President	47.85%	Clinton	D	0.280168504
16G_President	48.58%	Trump	R	0.719831467
16G_Treasurer		Torsella	D	0.350726634
16G_Treasurer		Voit	R	0.649273336
16G_US_Senate	47.34%	McGinty	D	0.305577606
16G_US_Senate	48.77%	Toomey	R	0.694422364
16P_AG	16.22%	Morganelli	D	0.231447428
16P_AG	47.03%	Shapiro	D	0.452969909
16P_AG	36.74%	Zappala	D	0.315582663
16P_President	55.61%	Clinton	D	0.475742936
16P_President	0.86%	DeLaFuente	D	0.017484309
16P_President	43.53%	Sanders	D	0.506772757
16P_US_Senate	19.49%	Fetterman	D	0.16644533
16P_US_Senate	42.50%	McGinty	D	0.472522616
16P_US_Senate	32.57%	Sestak	D	0.313808262
16P_US_Senate	5.45%	Vodvarka	D	0.047223803

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.304718107
17G_Supreme_Court		Mundy	R	0.695281923
18G_Governor	57.77%	Wolf	D	0.380258471
18G_Governor	40.70%	Wagner	R	0.619741559
18G_US_Senator		Casey	D	0.368310183
18G_US_Senator		Barletta	R	0.631689787
18P_Lt_Governor	23.78%	Ahmad	D	0.202714846
18P_Lt_Governor	18.55%	Cozzone	D	0.244300917
18P_Lt_Governor	37.48%	Fetterman	D	0.435030401
18P_Lt_Governor	3.58%	Sosa	D	0.038339321
18P_Lt_Governor	16.62%	Stack	D	0.079614535
20G_AG		Shapiro	D	0.308969021
20G_AG		Heidelbaugh	R	0.691030979
20G_Auditor	46.35%	Ahmad	D	0.271675706
20G_Auditor	49.44%	Defoor	R	0.728324294
20G_President	50.01%	Biden	D	0.293724924
20G_President	48.84%	Trump	R	0.706275046
20G_Treasurer		Torsella	D	0.290670484
20G_Treasurer		Garrity	R	0.709329486
20P_Auditor	36.44%	Ahmad	D	0.115740135
20P_Auditor	7.47%	Conklin	D	0.436223865
20P_Auditor	5.99%	Davis	D	0.039205026
20P_Auditor	9.00%	Fountain	D	0.136120752
20P_Auditor	13.97%	Hartman	D	0.127683505
20P_Auditor	27.14%	Lamb	D	0.145026714
20P_President	79.26%	Biden	D	0.760781467
20P_President	2.70%	Gabbard	D	0.050092764
20P_President	18.04%	Sanders	D	0.189125746

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.507860601
12G_AG	41.56%	Freed	R	0.492139399
12G_Auditor		Depasquale	D	0.433868289
12G_Auditor		Maher	R	0.566131711
12G_President		Obama	D	0.387662649
12G_President		Romney	R	0.612337351
12G_Treasurer		McCord	D	0.450032175
12G_Treasurer		Vaughan	R	0.549967825
12G_US_Senate	53.69%	Casey	D	0.434251934
12G_US_Senate	44.59%	Smith	R	0.565748096
12P_AG	52.82%	Kane	D	0.586155295
12P_AG	47.18%	Murphy	D	0.413844705
12P_US_Senate	80.88%	Casey	D	0.751312256
12P_US_Senate	19.12%	Vodvarka	D	0.248687774
14G_Governor	54.93%	Wolf	D	0.468039662
14G_Governor	45.07%	Corbett	R	0.531960368
14P_Governor	16.84%	McCord	D	0.192215607
14P_Governor	7.66%	McGinty	D	0.106690384
14P_Governor	17.64%	Schwartz	D	0.068732753
14P_Governor	57.86%	Wolf	D	0.632361233
14P_Lt_Governor	15.88%	Critz	D	0.417473197
14P_Lt_Governor	11.91%	Koplinski	D	0.027581073
14P_Lt_Governor	10.84%	Neuman	D	0.32543242
14P_Lt_Governor	14.57%	Smith	D	0.062624447
14P_Lt_Governor	46.79%	Stack	D	0.166888863
16G_AG	51.39%	Shapiro	D	0.400544763
16G_AG	48.61%	Rafferty	R	0.599455237
16G_Auditor		Depasquale	D	0.44513759
16G_Auditor		Brown	R	0.55486244
16G_President	47.85%	Clinton	D	0.317236543
16G_President	48.58%	Trump	R	0.682763457
16G_Treasurer		Torsella	D	0.436079293
16G_Treasurer		Voit	R	0.563920677
16G_US_Senate	47.34%	McGinty	D	0.360294044
16G_US_Senate	48.77%	Toomey	R	0.639705956
16P_AG	16.22%	Morganelli	D	0.087010339
16P_AG	47.03%	Shapiro	D	0.233660221
16P_AG	36.74%	Zappala	D	0.679329455
16P_President	55.61%	Clinton	D	0.551155031
16P_President	0.86%	DeLaFuente	D	0.019036444
16P_President	43.53%	Sanders	D	0.429808557
16P_US_Senate	19.49%	Fetterman	D	0.288321376
16P_US_Senate	42.50%	McGinty	D	0.427870482
16P_US_Senate	32.57%	Sestak	D	0.236861944
16P_US_Senate	5.45%	Vodvarka	D	0.046946201

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.398841798
17G_Supreme_Court		Mundy	R	0.601158202
18G_Governor	57.77%	Wolf	D	0.448964804
18G_Governor	40.70%	Wagner	R	0.551035166
18G_US_Senator		Casey	D	0.438205093
18G_US_Senator		Barletta	R	0.561794877
18P_Lt_Governor	23.78%	Ahmad	D	0.102959529
18P_Lt_Governor	18.55%	Cozzone	D	0.137390807
18P_Lt_Governor	37.48%	Fetterman	D	0.692725956
18P_Lt_Governor	3.58%	Sosa	D	0.020146193
18P_Lt_Governor	16.62%	Stack	D	0.046777502
20G_AG		Shapiro	D	0.385989219
20G_AG		Heidelbaugh	R	0.614010811
20G_Auditor	46.35%	Ahmad	D	0.324698567
20G_Auditor	49.44%	Defoor	R	0.675301433
20G_President	50.01%	Biden	D	0.325753242
20G_President	48.84%	Trump	R	0.674246788
20G_Treasurer		Torsella	D	0.342535883
20G_Treasurer		Garrity	R	0.657464087
20P_Auditor	36.44%	Ahmad	D	0.09411902
20P_Auditor	7.47%	Conklin	D	0.076951027
20P_Auditor	5.99%	Davis	D	0.023954738
20P_Auditor	9.00%	Fountain	D	0.032532245
20P_Auditor	13.97%	Hartman	D	0.062027976
20P_Auditor	27.14%	Lamb	D	0.710415006
20P_President	79.26%	Biden	D	0.790982962
20P_President	2.70%	Gabbard	D	0.056024775
20P_President	18.04%	Sanders	D	0.152992278

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.465251416
12G_AG	41.56%	Freed	R	0.534748554
12G_Auditor		Depasquale	D	0.377222806
12G_Auditor		Maher	R	0.622777224
12G_President		Obama	D	0.376121283
12G_President		Romney	R	0.623878717
12G_Treasurer		McCord	D	0.409271538
12G_Treasurer		Vaughan	R	0.590728462
12G_US_Senate	53.69%	Casey	D	0.386430949
12G_US_Senate	44.59%	Smith	R	0.613569021
12P_AG	52.82%	Kane	D	0.621090174
12P_AG	47.18%	Murphy	D	0.378909856
12P_US_Senate	80.88%	Casey	D	0.802958548
12P_US_Senate	19.12%	Vodvarka	D	0.197041452
14G_Governor	54.93%	Wolf	D	0.430759251
14G_Governor	45.07%	Corbett	R	0.569240749
14P_Governor	16.84%	McCord	D	0.197711274
14P_Governor	7.66%	McGinty	D	0.111991622
14P_Governor	17.64%	Schwartz	D	0.080561973
14P_Governor	57.86%	Wolf	D	0.609735131
14P_Lt_Governor	15.88%	Critz	D	0.346257567
14P_Lt_Governor	11.91%	Koplinski	D	0.113882206
14P_Lt_Governor	10.84%	Neuman	D	0.073514484
14P_Lt_Governor	14.57%	Smith	D	0.278079063
14P_Lt_Governor	46.79%	Stack	D	0.18826668
16G_AG	51.39%	Shapiro	D	0.356206954
16G_AG	48.61%	Rafferty	R	0.643793046
16G_Auditor		Depasquale	D	0.367273986
16G_Auditor		Brown	R	0.632726014
16G_President	47.85%	Clinton	D	0.301659197
16G_President	48.58%	Trump	R	0.698340774
16G_Treasurer		Torsella	D	0.38015911
16G_Treasurer		Voit	R	0.61984092
16G_US_Senate	47.34%	McGinty	D	0.330656707
16G_US_Senate	48.77%	Toomey	R	0.669343293
16P_AG	16.22%	Morganelli	D	0.194133565
16P_AG	47.03%	Shapiro	D	0.434939235
16P_AG	36.74%	Zappala	D	0.370927185
16P_President	55.61%	Clinton	D	0.461646587
16P_President	0.86%	DeLaFuente	D	0.016193837
16P_President	43.53%	Sanders	D	0.522159576
16P_US_Senate	19.49%	Fetterman	D	0.217361495
16P_US_Senate	42.50%	McGinty	D	0.444962502
16P_US_Senate	32.57%	Sestak	D	0.280291945
16P_US_Senate	5.45%	Vodvarka	D	0.057384044

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.317042142
17G_Supreme_Court		Mundy	R	0.682957888
18G_Governor	57.77%	Wolf	D	0.397291213
18G_Governor	40.70%	Wagner	R	0.602708757
18G_US_Senator		Casey	D	0.394565552
18G_US_Senator		Barletta	R	0.605434477
18P_Lt_Governor	23.78%	Ahmad	D	0.156030849
18P_Lt_Governor	18.55%	Cozzone	D	0.216496289
18P_Lt_Governor	37.48%	Fetterman	D	0.490248084
18P_Lt_Governor	3.58%	Sosa	D	0.037193399
18P_Lt_Governor	16.62%	Stack	D	0.100031398
20G_AG		Shapiro	D	0.3299748
20G_AG		Heidelbaugh	R	0.670025229
20G_Auditor	46.35%	Ahmad	D	0.28490293
20G_Auditor	49.44%	Defoor	R	0.71509707
20G_President	50.01%	Biden	D	0.302043468
20G_President	48.84%	Trump	R	0.697956562
20G_Treasurer		Torsella	D	0.299670219
20G_Treasurer		Garrity	R	0.700329781
20P_Auditor	36.44%	Ahmad	D	0.116054907
20P_Auditor	7.47%	Conklin	D	0.414286256
20P_Auditor	5.99%	Davis	D	0.041996595
20P_Auditor	9.00%	Fountain	D	0.061829351
20P_Auditor	13.97%	Hartman	D	0.081606604
20P_Auditor	27.14%	Lamb	D	0.284226298
20P_President	79.26%	Biden	D	0.752864718
20P_President	2.70%	Gabbard	D	0.048552915
20P_President	18.04%	Sanders	D	0.198582366

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.506591678
12G_AG	41.56%	Freed	R	0.493408293
12G_Auditor		Depasquale	D	0.444846511
12G_Auditor		Maher	R	0.555153489
12G_President		Obama	D	0.460143954
12G_President		Romney	R	0.539856076
12G_Treasurer		McCord	D	0.48503986
12G_Treasurer		Vaughan	R	0.51496011
12G_US_Senate	53.69%	Casey	D	0.469035864
12G_US_Senate	44.59%	Smith	R	0.530964136
12P_AG	52.82%	Kane	D	0.680986345
12P_AG	47.18%	Murphy	D	0.319013655
12P_US_Senate	80.88%	Casey	D	0.772978902
12P_US_Senate	19.12%	Vodvarka	D	0.227021068
14G_Governor	54.93%	Wolf	D	0.481153041
14G_Governor	45.07%	Corbett	R	0.518846989
14P_Governor	16.84%	McCord	D	0.253401011
14P_Governor	7.66%	McGinty	D	0.089489445
14P_Governor	17.64%	Schwartz	D	0.073347509
14P_Governor	57.86%	Wolf	D	0.58376205
14P_Lt_Governor	15.88%	Critz	D	0.173019275
14P_Lt_Governor	11.91%	Koplinski	D	0.097090311
14P_Lt_Governor	10.84%	Neuman	D	0.219775796
14P_Lt_Governor	14.57%	Smith	D	0.295881093
14P_Lt_Governor	46.79%	Stack	D	0.214233533
16G_AG	51.39%	Shapiro	D	0.417909801
16G_AG	48.61%	Rafferty	R	0.582090199
16G_Auditor		Depasquale	D	0.435833126
16G_Auditor		Brown	R	0.564166844
16G_President	47.85%	Clinton	D	0.384221584
16G_President	48.58%	Trump	R	0.615778387
16G_Treasurer		Torsella	D	0.453503191
16G_Treasurer		Voit	R	0.546496809
16G_US_Senate	47.34%	McGinty	D	0.392712921
16G_US_Senate	48.77%	Toomey	R	0.607287109
16P_AG	16.22%	Morganelli	D	0.166948482
16P_AG	47.03%	Shapiro	D	0.365635842
16P_AG	36.74%	Zappala	D	0.467415661
16P_President	55.61%	Clinton	D	0.531253994
16P_President	0.86%	DeLaFuente	D	0.012517755
16P_President	43.53%	Sanders	D	0.456228286
16P_US_Senate	19.49%	Fetterman	D	0.243290141
16P_US_Senate	42.50%	McGinty	D	0.377056628
16P_US_Senate	32.57%	Sestak	D	0.308707565
16P_US_Senate	5.45%	Vodvarka	D	0.070945665

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.39610821
17G_Supreme_Court		Mundy	R	0.60389179
18G_Governor	57.77%	Wolf	D	0.493225098
18G_Governor	40.70%	Wagner	R	0.506774902
18G_US_Senator		Casey	D	0.478433609
18G_US_Senator		Barletta	R	0.521566391
18P_Lt_Governor	23.78%	Ahmad	D	0.10245923
18P_Lt_Governor	18.55%	Cozzone	D	0.193670437
18P_Lt_Governor	37.48%	Fetterman	D	0.627665043
18P_Lt_Governor	3.58%	Sosa	D	0.024975715
18P_Lt_Governor	16.62%	Stack	D	0.051229615
20G_AG		Shapiro	D	0.430698544
20G_AG		Heidelbaugh	R	0.569301486
20G_Auditor	46.35%	Ahmad	D	0.377641916
20G_Auditor	49.44%	Defoor	R	0.622358084
20G_President	50.01%	Biden	D	0.395232499
20G_President	48.84%	Trump	R	0.604767501
20G_Treasurer		Torsella	D	0.394595742
20G_Treasurer		Garrity	R	0.605404258
20P_Auditor	36.44%	Ahmad	D	0.12712279
20P_Auditor	7.47%	Conklin	D	0.076720208
20P_Auditor	5.99%	Davis	D	0.050346762
20P_Auditor	9.00%	Fountain	D	0.064119563
20P_Auditor	13.97%	Hartman	D	0.097930595
20P_Auditor	27.14%	Lamb	D	0.583760083
20P_President	79.26%	Biden	D	0.793377757
20P_President	2.70%	Gabbard	D	0.036874909
20P_President	18.04%	Sanders	D	0.169747368

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.604880691
12G_AG	41.56%	Freed	R	0.395119339
12G_Auditor		Depasquale	D	0.555384576
12G_Auditor		Maher	R	0.444615424
12G_President		Obama	D	0.533016145
12G_President		Romney	R	0.466983855
12G_Treasurer		McCord	D	0.581485629
12G_Treasurer		Vaughan	R	0.418514371
12G_US_Senate	53.69%	Casey	D	0.571484208
12G_US_Senate	44.59%	Smith	R	0.428515762
12P_AG	52.82%	Kane	D	0.542237759
12P_AG	47.18%	Murphy	D	0.457762241
12P_US_Senate	80.88%	Casey	D	0.702094793
12P_US_Senate	19.12%	Vodvarka	D	0.297905177
14G_Governor	54.93%	Wolf	D	0.560140252
14G_Governor	45.07%	Corbett	R	0.439859748
14P_Governor	16.84%	McCord	D	0.167218328
14P_Governor	7.66%	McGinty	D	0.104730383
14P_Governor	17.64%	Schwartz	D	0.106529981
14P_Governor	57.86%	Wolf	D	0.621521294
14P_Lt_Governor	15.88%	Critz	D	0.318325073
14P_Lt_Governor	11.91%	Koplinski	D	0.043396946
14P_Lt_Governor	10.84%	Neuman	D	0.255602121
14P_Lt_Governor	14.57%	Smith	D	0.077823572
14P_Lt_Governor	46.79%	Stack	D	0.304852277
16G_AG	51.39%	Shapiro	D	0.550493717
16G_AG	48.61%	Rafferty	R	0.449506283
16G_Auditor		Depasquale	D	0.6146667
16G_Auditor		Brown	R	0.385333329
16G_President	47.85%	Clinton	D	0.516211629
16G_President	48.58%	Trump	R	0.483788341
16G_Treasurer		Torsella	D	0.593349218
16G_Treasurer		Voit	R	0.406650752
16G_US_Senate	47.34%	McGinty	D	0.525717676
16G_US_Senate	48.77%	Toomey	R	0.474282324
16P_AG	16.22%	Morganelli	D	0.046153598
16P_AG	47.03%	Shapiro	D	0.188248158
16P_AG	36.74%	Zappala	D	0.765598238
16P_President	55.61%	Clinton	D	0.551784873
16P_President	0.86%	DeLaFuente	D	0.011056903
16P_President	43.53%	Sanders	D	0.437158197
16P_US_Senate	19.49%	Fetterman	D	0.38376385
16P_US_Senate	42.50%	McGinty	D	0.357162178
16P_US_Senate	32.57%	Sestak	D	0.191102564
16P_US_Senate	5.45%	Vodvarka	D	0.067971431

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (1)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.570115268
17G_Supreme_Court		Mundy	R	0.429884702
18G_Governor	57.77%	Wolf	D	0.633426428
18G_Governor	40.70%	Wagner	R	0.366573572
18G_US_Senator		Casey	D	0.616071641
18G_US_Senator		Barletta	R	0.383928359
18P_Lt_Governor	23.78%	Ahmad	D	0.107429348
18P_Lt_Governor	18.55%	Cozzone	D	0.079827383
18P_Lt_Governor	37.48%	Fetterman	D	0.770908773
18P_Lt_Governor	3.58%	Sosa	D	0.011084786
18P_Lt_Governor	16.62%	Stack	D	0.030749705
20G_AG		Shapiro	D	0.586149275
20G_AG		Heidelbaugh	R	0.413850754
20G_Auditor	46.35%	Ahmad	D	0.527183115
20G_Auditor	49.44%	Defoor	R	0.472816914
20G_President	50.01%	Biden	D	0.533925414
20G_President	48.84%	Trump	R	0.466074556
20G_Treasurer		Torsella	D	0.539407253
20G_Treasurer		Garrity	R	0.460592777
20P_Auditor	36.44%	Ahmad	D	0.10287457
20P_Auditor	7.47%	Conklin	D	0.015730007
20P_Auditor	5.99%	Davis	D	0.016531223
20P_Auditor	9.00%	Fountain	D	0.036054745
20P_Auditor	13.97%	Hartman	D	0.030487107
20P_Auditor	27.14%	Lamb	D	0.79832238
20P_President	79.26%	Biden	D	0.772765398
20P_President	2.70%	Gabbard	D	0.039841995
20P_President	18.04%	Sanders	D	0.187392637

Senate Democrats (2)

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.560735226
12G_AG	41.56%	Freed	R	0.439264774
12G_Auditor		Depasquale	D	0.511049509
12G_Auditor		Maher	R	0.488950491
12G_President		Obama	D	0.533906817
12G_President		Romney	R	0.466093183
12G_Treasurer		McCord	D	0.538682759
12G_Treasurer		Vaughan	R	0.461317241
12G_US_Senate	53.69%	Casey	D	0.557185411
12G_US_Senate	44.59%	Smith	R	0.442814589
12P_AG	52.82%	Kane	D	0.313922852
12P_AG	47.18%	Murphy	D	0.686077178
12P_US_Senate	80.88%	Casey	D	0.842850685
12P_US_Senate	19.12%	Vodvarka	D	0.157149345
14G_Governor	54.93%	Wolf	D	0.561026275
14G_Governor	45.07%	Corbett	R	0.438973725
14P_Governor	16.84%	McCord	D	0.142260492
14P_Governor	7.66%	McGinty	D	0.053048298
14P_Governor	17.64%	Schwartz	D	0.326009512
14P_Governor	57.86%	Wolf	D	0.478681713
14P_Lt_Governor	15.88%	Critz	D	0.02883173
14P_Lt_Governor	11.91%	Koplinski	D	0.080671489
14P_Lt_Governor	10.84%	Neuman	D	0.056428131
14P_Lt_Governor	14.57%	Smith	D	0.104208946
14P_Lt_Governor	46.79%	Stack	D	0.72985971
15G_Mayor		Kenney	D	0.659997761
15G_Mayor		Bailey	R	0.331179053
15G_Mayor		Foster	U	0.005676071
15G_Mayor		Hart	U	0.00219175
15G_Mayor		Kindij	U	0.000955378
15G_Sheriff		Williams	D	0.455687642
15G_Sheriff		Sawyer	R	0.544312358
15P_Mayor		Abraham	D	0.158658281
15P_Mayor		Diaz	D	0.014842767
15P_Mayor		Kenney	D	0.750104845
15P_Mayor		Oliver	D	0.012327044
15P_Mayor		Street	D	0.00360587
15P_Mayor		Williams	D	0.060461216
16G_AG	51.39%	Shapiro	D	0.547611952
16G_AG	48.61%	Rafferty	R	0.452388018
16G_Auditor		Depasquale	D	0.50977087
16G_Auditor		Brown	R	0.49022913
16G_Congress_Dist1		Brady	D	
16G_Congress_Dist1		Williams	R	
16G_President	47.85%	Clinton	D	0.531098545

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.468901455
16G_Treasurer		Torsella	D	0.540396452
16G_Treasurer		Voit	R	0.459603578
16G_US_Senate	47.34%	McGinty	D	0.499294519
16G_US_Senate	48.77%	Toomey	R	0.500705481
16P_AG	16.22%	Morganelli	D	0.14014782
16P_AG	47.03%	Shapiro	D	0.647528291
16P_AG	36.74%	Zappala	D	0.212323889
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.566120386
16P_President	0.86%	DeLaFuente	D	0.009713444
16P_President	43.53%	Sanders	D	0.424166143
16P_US_Senate	19.49%	Fetterman	D	0.113490127
16P_US_Senate	42.50%	McGinty	D	0.427779019
16P_US_Senate	32.57%	Sestak	D	0.419670403
16P_US_Senate	5.45%	Vodvarka	D	0.039060451
17G_Supreme_Court		Woodruff	D	0.502509058
17G_Supreme_Court		Mundy	R	0.497490942
17P_DA		Deni	D	0.025821973
17P_DA		Khan	D	0.2085004
17P_DA		Krasner	D	0.125421017
17P_DA		Negrin	D	0.283079386
17P_DA		ONeill	D	0.200481161
17P_DA		Shabazz	D	0.017802726
17P_DA		Untermeyer	D	0.138893351
18G_Congress_Dist2		Boyle	D	0.596298337
18G_Congress_Dist2		Torres	R	0.403701633
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.619830847
18G_Governor	40.70%	Wagner	R	0.380169123
18G_US_Senator		Casey	D	0.599602997
18G_US_Senator		Barletta	R	0.400396973
18P_Congress_Dist2		Boyle	D	0.808150232
18P_Congress_Dist2		Lawrence	D	0.191849738
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.276110202
18P_Lt_Governor	18.55%	Cozzone	D	0.185986176
18P_Lt_Governor	37.48%	Fetterman	D	0.19359909
18P_Lt_Governor	3.58%	Sosa	D	0.082946688
18P_Lt_Governor	16.62%	Stack	D	0.261357814
19P_Mayor		Butkovitz	D	0.300777644
19P_Mayor		Kenney	D	0.528008461
19P_Mayor		Williams	D	0.171213925
19P_Municipal_Judge		Brunson	D	0.374630243
19P_Municipal_Judge		Conroy	D	0.625369787
19P_Register_Wills		Donatucci	D	0.538014472
19P_Register_Wills		Gordon	D	0.33930254
19P_Register_Wills		Whaumbush	D	0.122683004
20G_AG		Shapiro	D	0.555495441
20G_AG		Heidelbaugh	R	0.444504559
20G_Auditor	46.35%	Ahmad	D	0.509556651
20G_Auditor	49.44%	Defoor	R	0.490443349
20G_Congress_Dist2		Boyle	D	0.525267959
20G_Congress_Dist2		Torres	R	0.474732071
20G_President	50.01%	Biden	D	0.540770411
20G_President	48.84%	Trump	R	0.459229589
20G_Treasurer		Torsella	D	0.531375945
20G_Treasurer		Garrity	R	0.468624055
20P_Auditor	36.44%	Ahmad	D	0.624420106
20P_Auditor	7.47%	Conklin	D	0.043052413
20P_Auditor	5.99%	Davis	D	0.04296976
20P_Auditor	9.00%	Fountain	D	0.077374496
20P_Auditor	13.97%	Hartman	D	0.135614589
20P_Auditor	27.14%	Lamb	D	0.076568618
20P_President	79.26%	Biden	D	0.818032324
20P_President	2.70%	Gabbard	D	0.022254562
20P_President	18.04%	Sanders	D	0.159713104
21G_Superior_Judge		Lane	D	0.366285175
21G_Superior_Judge		Sullivan	R	0.633714795
21P_DA		Krasner	D	0.207243785
21P_DA		Vega	D	0.7927562
21P_Superior_Judge		Beck	D	0.251008511
21P_Superior_Judge		Lane	D	0.672568381
21P_Superior_Judge		Neft	D	0.076423131

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.849337995
12G_AG	41.56%	Freed	R	0.150662005
12G_Auditor		Depasquale	D	0.823515594
12G_Auditor		Maher	R	0.176484436
12G_President		Obama	D	0.838399053
12G_President		Romney	R	0.161600947
12G_Treasurer		McCord	D	0.845150232
12G_Treasurer		Vaughan	R	0.154849797
12G_US_Senate	53.69%	Casey	D	0.849861264
12G_US_Senate	44.59%	Smith	R	0.150138751
12P_AG	52.82%	Kane	D	0.357303709
12P_AG	47.18%	Murphy	D	0.642696321
12P_US_Senate	80.88%	Casey	D	0.784041643
12P_US_Senate	19.12%	Vodvarka	D	0.215958327
14G_Governor	54.93%	Wolf	D	0.852920949
14G_Governor	45.07%	Corbett	R	0.14707908
14P_Governor	16.84%	McCord	D	0.146994114
14P_Governor	7.66%	McGinty	D	0.049981259
14P_Governor	17.64%	Schwartz	D	0.317389965
14P_Governor	57.86%	Wolf	D	0.485634655
14P_Lt_Governor	15.88%	Critz	D	0.043835409
14P_Lt_Governor	11.91%	Koplinski	D	0.036429256
14P_Lt_Governor	10.84%	Neuman	D	0.035094645
14P_Lt_Governor	14.57%	Smith	D	0.058610123
14P_Lt_Governor	46.79%	Stack	D	0.826030552
15G_Mayor		Kenney	D	0.816305041
15G_Mayor		Bailey	R	0.170297444
15G_Mayor		Foster	U	0.006874171
15G_Mayor		Hart	U	0.004966506
15G_Mayor		Kindij	U	0.00155683
15G_Sheriff		Williams	D	0.7370314
15G_Sheriff		Sawyer	R	0.26296863
15P_Mayor		Abraham	D	0.109125808
15P_Mayor		Diaz	D	0.066743284
15P_Mayor		Kenney	D	0.571767092
15P_Mayor		Oliver	D	0.03895827
15P_Mayor		Street	D	0.016872438
15P_Mayor		Williams	D	0.196533099
16G_AG	51.39%	Shapiro	D	0.827703595
16G_AG	48.61%	Rafferty	R	0.17229639
16G_Auditor		Depasquale	D	0.819523096
16G_Auditor		Brown	R	0.180476919
16G_Congress_Dist1		Brady	D	0.815969527
16G_Congress_Dist1		Williams	R	0.184030473
16G_President	47.85%	Clinton	D	0.820684075

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.179315954
16G_Treasurer		Torsella	D	0.839438438
16G_Treasurer		Voit	R	0.160561547
16G_US_Senate	47.34%	McGinty	D	0.805862069
16G_US_Senate	48.77%	Toomey	R	0.194137901
16P_AG	16.22%	Morganelli	D	0.117492341
16P_AG	47.03%	Shapiro	D	0.54057759
16P_AG	36.74%	Zappala	D	0.341930062
16P_Congress_Dist2		Evans	D	0.425708622
16P_Congress_Dist2		Fattah	D	0.419180244
16P_Congress_Dist2		Gordon	D	0.12949343
16P_Congress_Dist2		Muroff	D	0.025617717
16P_President	55.61%	Clinton	D	0.610571206
16P_President	0.86%	DeLaFuente	D	0.005356845
16P_President	43.53%	Sanders	D	0.384071916
16P_US_Senate	19.49%	Fetterman	D	0.201133117
16P_US_Senate	42.50%	McGinty	D	0.407394797
16P_US_Senate	32.57%	Sestak	D	0.264349699
16P_US_Senate	5.45%	Vodvarka	D	0.127122357
17G_Supreme_Court		Woodruff	D	0.75072217
17G_Supreme_Court		Mundy	R	0.2492778
17P_DA		Deni	D	0.020422246
17P_DA		Khan	D	0.212689772
17P_DA		Krasner	D	0.353388786
17P_DA		Negrin	D	0.163098216
17P_DA		ONeill	D	0.073631987
17P_DA		Shabazz	D	0.081838191
17P_DA		Untermeyer	D	0.094930805
18G_Congress_Dist2		Boyle	D	0.832118869
18G_Congress_Dist2		Torres	R	0.167881146
18G_Congress_Dist3		Evans	D	0.91046989
18G_Congress_Dist3		Leib	R	0.089530125
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.865092933
18G_Governor	40.70%	Wagner	R	0.134907052
18G_US_Senator		Casey	D	0.860982895
18G_US_Senator		Barletta	R	0.139017135
18P_Congress_Dist2		Boyle	D	0.614054561
18P_Congress_Dist2		Lawrence	D	0.385945439
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.238579527
18P_Lt_Governor	18.55%	Cozzone	D	0.163269594
18P_Lt_Governor	37.48%	Fetterman	D	0.197373405
18P_Lt_Governor	3.58%	Sosa	D	0.012313511
18P_Lt_Governor	16.62%	Stack	D	0.388463974
19P_Mayor		Butkovitz	D	0.118104026
19P_Mayor		Kenney	D	0.671172023
19P_Mayor		Williams	D	0.210723966
19P_Municipal_Judge		Brunson	D	0.429542333
19P_Municipal_Judge		Conroy	D	0.570457637
19P_Register_Wills		Donatucci	D	0.400258839
19P_Register_Wills		Gordon	D	0.446796447
19P_Register_Wills		Whaumbush	D	0.152944729
20G_AG		Shapiro	D	0.803625941
20G_AG		Heidelbaugh	R	0.196374059
20G_Auditor	46.35%	Ahmad	D	0.79211098
20G_Auditor	49.44%	Defoor	R	0.20788902
20G_Congress_Dist2		Boyle	D	0.770586729
20G_Congress_Dist2		Torres	R	0.229413301
20G_President	50.01%	Biden	D	0.790612221
20G_President	48.84%	Trump	R	0.209387779
20G_Treasurer		Torsella	D	0.794888794
20G_Treasurer		Garrity	R	0.205111176
20P_Auditor	36.44%	Ahmad	D	0.69931072
20P_Auditor	7.47%	Conklin	D	0.032260559
20P_Auditor	5.99%	Davis	D	0.054234862
20P_Auditor	9.00%	Fountain	D	0.059639014
20P_Auditor	13.97%	Hartman	D	0.052736394
20P_Auditor	27.14%	Lamb	D	0.101818465
20P_President	79.26%	Biden	D	0.77422291
20P_President	2.70%	Gabbard	D	0.017376309
20P_President	18.04%	Sanders	D	0.208400756
21G_Superior_Judge		Lane	D	0.752619624
21G_Superior_Judge		Sullivan	R	0.247380406
21P_DA		Krasner	D	0.602075577
21P_DA		Vega	D	0.397924423
21P_Superior_Judge		Beck	D	0.153170153
21P_Superior_Judge		Lane	D	0.806748271
21P_Superior_Judge		Neft	D	0.04008159

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.913100123
12G_AG	41.56%	Freed	R	0.086899899
12G_Auditor		Depasquale	D	0.901206672
12G_Auditor		Maher	R	0.098793343
12G_President		Obama	D	0.909089684
12G_President		Romney	R	0.090910308
12G_Treasurer		McCord	D	0.910125613
12G_Treasurer		Vaughan	R	0.089874387
12G_US_Senate	53.69%	Casey	D	0.914493263
12G_US_Senate	44.59%	Smith	R	0.085506722
12P_AG	52.82%	Kane	D	0.37111164
12P_AG	47.18%	Murphy	D	0.6288836
12P_US_Senate	80.88%	Casey	D	0.818164587
12P_US_Senate	19.12%	Vodvarka	D	0.181835428
14G_Governor	54.93%	Wolf	D	0.924202859
14G_Governor	45.07%	Corbett	R	0.075797155
14P_Governor	16.84%	McCord	D	0.157364011
14P_Governor	7.66%	McGinty	D	0.033009019
14P_Governor	17.64%	Schwartz	D	0.336166143
14P_Governor	57.86%	Wolf	D	0.473460823
14P_Lt_Governor	15.88%	Critz	D	0.033000894
14P_Lt_Governor	11.91%	Koplinski	D	0.036046948
14P_Lt_Governor	10.84%	Neuman	D	0.042327233
14P_Lt_Governor	14.57%	Smith	D	0.062908687
14P_Lt_Governor	46.79%	Stack	D	0.825716257
15G_Mayor		Kenney	D	0.907166839
15G_Mayor		Bailey	R	0.078237042
15G_Mayor		Foster	U	0.00759523
15G_Mayor		Hart	U	0.005742735
15G_Mayor		Kindij	U	0.001258153
15G_Sheriff		Williams	D	0.869415402
15G_Sheriff		Sawyer	R	0.130584598
15P_Mayor		Abraham	D	0.06292358
15P_Mayor		Diaz	D	0.020882713
15P_Mayor		Kenney	D	0.533302903
15P_Mayor		Oliver	D	0.047107518
15P_Mayor		Street	D	0.017889114
15P_Mayor		Williams	D	0.317894191
16G_AG	51.39%	Shapiro	D	0.89979583
16G_AG	48.61%	Rafferty	R	0.100204147
16G_Auditor		Depasquale	D	0.895979643
16G_Auditor		Brown	R	0.104020342
16G_Congress_Dist1		Brady	D	0.861214578
16G_Congress_Dist1		Williams	R	0.138785452
16G_President	47.85%	Clinton	D	0.906073749

Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.093926251
16G_Treasurer		Torsella	D	0.904808819
16G_Treasurer		Voit	R	0.095191196
16G_US_Senate	47.34%	McGinty	D	0.886891723
16G_US_Senate	48.77%	Toomey	R	0.113108262
16P_AG	16.22%	Morganelli	D	0.088443995
16P_AG	47.03%	Shapiro	D	0.597603977
16P_AG	36.74%	Zappala	D	0.313951999
16P_Congress_Dist2		Evans	D	0.437676638
16P_Congress_Dist2		Fattah	D	0.357683182
16P_Congress_Dist2		Gordon	D	0.109866977
16P_Congress_Dist2		Muroff	D	0.094773203
16P_President	55.61%	Clinton	D	0.641906857
16P_President	0.86%	DeLaFuente	D	0.002623216
16P_President	43.53%	Sanders	D	0.355469942
16P_US_Senate	19.49%	Fetterman	D	0.165815383
16P_US_Senate	42.50%	McGinty	D	0.457554579
16P_US_Senate	32.57%	Sestak	D	0.27723214
16P_US_Senate	5.45%	Vodvarka	D	0.09939792
17G_Supreme_Court		Woodruff	D	0.888721168
17G_Supreme_Court		Mundy	R	0.111278854
17P_DA		Deni	D	0.011301923
17P_DA		Khan	D	0.196871534
17P_DA		Krasner	D	0.415592045
17P_DA		Negrin	D	0.121008158
17P_DA		ONeill	D	0.042408422
17P_DA		Shabazz	D	0.142007932
17P_DA		Untermeyer	D	0.070810005
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.939073324
18G_Congress_Dist3		Leib	R	0.060926694
18G_Congress_Dist5		Scanlon	D	0.803309083
18G_Congress_Dist5		Kim	R	0.196690932
18G_Governor	57.77%	Wolf	D	0.929243743
18G_Governor	40.70%	Wagner	R	0.070756264
18G_US_Senator		Casey	D	0.925795257
18G_US_Senator		Barletta	R	0.07420475
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.010880567
18P_Congress_Dist5		Davidson	D	0.021339405
18P_Congress_Dist5		Kirkland	D	0.025809716
18P_Congress_Dist5		Lazer	D	0.411184222
18P_Congress_Dist5		Li	D	0.124409579
18P_Congress_Dist5		Lunkenheimer	D	0.067223348
18P_Congress_Dist5		Scanlon	D	0.08316464

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.133350208
18P_Congress_Dist5		Vitali	D	0.040991902
18P_Congress_Dist5		Wright	D	0.08164642
18P_Lt_Governor	23.78%	Ahmad	D	0.311315238
18P_Lt_Governor	18.55%	Cozzone	D	0.154527664
18P_Lt_Governor	37.48%	Fetterman	D	0.167221338
18P_Lt_Governor	3.58%	Sosa	D	0.018135414
18P_Lt_Governor	16.62%	Stack	D	0.348800331
19P_Mayor		Butkovitz	D	0.056940895
19P_Mayor		Kenney	D	0.676995635
19P_Mayor		Williams	D	0.266063482
19P_Municipal_Judge		Brunson	D	0.458153695
19P_Municipal_Judge		Conroy	D	0.541846335
19P_Register_Wills		Donatucci	D	0.389670938
19P_Register_Wills		Gordon	D	0.44551149
19P_Register_Wills		Whaumbush	D	0.164817572
20G_AG		Shapiro	D	0.894182026
20G_AG		Heidelbaugh	R	0.105817959
20G_Auditor	46.35%	Ahmad	D	0.886210501
20G_Auditor	49.44%	Defoor	R	0.113789484
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.891788661
20G_President	48.84%	Trump	R	0.108211309
20G_Treasurer		Torsella	D	0.886422098
20G_Treasurer		Garrity	R	0.113577887
20P_Auditor	36.44%	Ahmad	D	0.731109381
20P_Auditor	7.47%	Conklin	D	0.025570165
20P_Auditor	5.99%	Davis	D	0.048163299
20P_Auditor	9.00%	Fountain	D	0.065927409
20P_Auditor	13.97%	Hartman	D	0.039139893
20P_Auditor	27.14%	Lamb	D	0.090089828
20P_President	79.26%	Biden	D	0.807891905
20P_President	2.70%	Gabbard	D	0.010526762
20P_President	18.04%	Sanders	D	0.181581348
21G_Superior_Judge		Lane	D	0.894705713
21G_Superior_Judge		Sullivan	R	0.10529431
21P_DA		Krasner	D	0.760840833
21P_DA		Vega	D	0.239159137
21P_Superior_Judge		Beck	D	0.101442046
21P_Superior_Judge		Lane	D	0.874483168
21P_Superior_Judge		Neft	D	0.024074791

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.558380783
12G_AG	41.56%	Freed	R	0.441619217
12G_Auditor		Depasquale	D	0.50912255
12G_Auditor		Maher	R	0.490877479
12G_President		Obama	D	0.543997347
12G_President		Romney	R	0.456002623
12G_Treasurer		McCord	D	0.539746881
12G_Treasurer		Vaughan	R	0.460253149
12G_US_Senate	53.69%	Casey	D	0.561194777
12G_US_Senate	44.59%	Smith	R	0.438805223
12P_AG	52.82%	Kane	D	0.393101692
12P_AG	47.18%	Murphy	D	0.606898308
12P_US_Senate	80.88%	Casey	D	0.868131876
12P_US_Senate	19.12%	Vodvarka	D	0.131868139
14G_Governor	54.93%	Wolf	D	0.568734586
14G_Governor	45.07%	Corbett	R	0.431265414
14P_Governor	16.84%	McCord	D	0.170759887
14P_Governor	7.66%	McGinty	D	0.041366417
14P_Governor	17.64%	Schwartz	D	0.357192367
14P_Governor	57.86%	Wolf	D	0.430681318
14P_Lt_Governor	15.88%	Critz	D	0.032576993
14P_Lt_Governor	11.91%	Koplinski	D	0.104923621
14P_Lt_Governor	10.84%	Neuman	D	0.057392851
14P_Lt_Governor	14.57%	Smith	D	0.147832319
14P_Lt_Governor	46.79%	Stack	D	0.657274187
16G_AG	51.39%	Shapiro	D	0.551481366
16G_AG	48.61%	Rafferty	R	0.448518664
16G_Auditor		Depasquale	D	0.5213449
16G_Auditor		Brown	R	0.47865507
16G_President	47.85%	Clinton	D	0.574784517
16G_President	48.58%	Trump	R	0.425215453
16G_Treasurer		Torsella	D	0.555554628
16G_Treasurer		Voit	R	0.444445372
16G_US_Senate	47.34%	McGinty	D	0.522228599
16G_US_Senate	48.77%	Toomey	R	0.477771431
16P_AG	16.22%	Morganelli	D	0.069102846
16P_AG	47.03%	Shapiro	D	0.784214318
16P_AG	36.74%	Zappala	D	0.146682829
16P_President	55.61%	Clinton	D	0.581581473
16P_President	0.86%	DeLaFuente	D	0.003968254
16P_President	43.53%	Sanders	D	0.414450258
16P_US_Senate	19.49%	Fetterman	D	0.099634215
16P_US_Senate	42.50%	McGinty	D	0.444363624
16P_US_Senate	32.57%	Sestak	D	0.446764082
16P_US_Senate	5.45%	Vodvarka	D	0.009238091

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.533688843
17G_Supreme_Court		Mundy	R	0.466311127
18G_Governor	57.77%	Wolf	D	0.650378108
18G_Governor	40.70%	Wagner	R	0.349621922
18G_US_Senator		Casey	D	0.630115509
18G_US_Senator		Barletta	R	0.369884491
18P_Lt_Governor	23.78%	Ahmad	D	0.309313893
18P_Lt_Governor	18.55%	Cozzone	D	0.165724725
18P_Lt_Governor	37.48%	Fetterman	D	0.262499541
18P_Lt_Governor	3.58%	Sosa	D	0.125956073
18P_Lt_Governor	16.62%	Stack	D	0.136505783
20G_AG		Shapiro	D	0.59947449
20G_AG		Heidelbaugh	R	0.40052554
20G_Auditor	46.35%	Ahmad	D	0.558211267
20G_Auditor	49.44%	Defoor	R	0.441788733
20G_President	50.01%	Biden	D	0.599749684
20G_President	48.84%	Trump	R	0.400250316
20G_Treasurer		Torsella	D	0.575508416
20G_Treasurer		Garrity	R	0.424491554
20P_Auditor	36.44%	Ahmad	D	0.578783095
20P_Auditor	7.47%	Conklin	D	0.046781234
20P_Auditor	5.99%	Davis	D	0.043957271
20P_Auditor	9.00%	Fountain	D	0.079191826
20P_Auditor	13.97%	Hartman	D	0.179795638
20P_Auditor	27.14%	Lamb	D	0.071490943
20P_President	79.26%	Biden	D	0.821432829
20P_President	2.70%	Gabbard	D	0.016387898
20P_President	18.04%	Sanders	D	0.162179306

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.573264122
12G_AG	41.56%	Freed	R	0.426735878
12G_Auditor		Depasquale	D	0.518005013
12G_Auditor		Maher	R	0.481994957
12G_President		Obama	D	0.568116069
12G_President		Romney	R	0.431883961
12G_Treasurer		McCord	D	0.543073297
12G_Treasurer		Vaughan	R	0.456926703
12G_US_Senate	53.69%	Casey	D	0.580854416
12G_US_Senate	44.59%	Smith	R	0.419145554
12P_AG	52.82%	Kane	D	0.391596258
12P_AG	47.18%	Murphy	D	0.608403742
12P_US_Senate	80.88%	Casey	D	0.861495614
12P_US_Senate	19.12%	Vodvarka	D	0.138504356
14G_Governor	54.93%	Wolf	D	0.574570119
14G_Governor	45.07%	Corbett	R	0.425429881
14P_Governor	16.84%	McCord	D	0.175385579
14P_Governor	7.66%	McGinty	D	0.064089201
14P_Governor	17.64%	Schwartz	D	0.241949767
14P_Governor	57.86%	Wolf	D	0.51857543
14P_Lt_Governor	15.88%	Critz	D	0.041132938
14P_Lt_Governor	11.91%	Koplinski	D	0.112015933
14P_Lt_Governor	10.84%	Neuman	D	0.048979107
14P_Lt_Governor	14.57%	Smith	D	0.137010723
14P_Lt_Governor	46.79%	Stack	D	0.660861313
16G_AG	51.39%	Shapiro	D	0.545275927
16G_AG	48.61%	Rafferty	R	0.454724103
16G_Auditor		Depasquale	D	0.528859079
16G_Auditor		Brown	R	0.471140951
16G_President	47.85%	Clinton	D	0.578908145
16G_President	48.58%	Trump	R	0.421091825
16G_Treasurer		Torsella	D	0.55354619
16G_Treasurer		Voit	R	0.44645378
16G_US_Senate	47.34%	McGinty	D	0.52996093
16G_US_Senate	48.77%	Toomey	R	0.47003904
16P_AG	16.22%	Morganelli	D	0.110848516
16P_AG	47.03%	Shapiro	D	0.655939102
16P_AG	36.74%	Zappala	D	0.233212352
16P_President	55.61%	Clinton	D	0.588184536
16P_President	0.86%	DeLaFuente	D	0.004530305
16P_President	43.53%	Sanders	D	0.407285154
16P_US_Senate	19.49%	Fetterman	D	0.071410671
16P_US_Senate	42.50%	McGinty	D	0.311846346
16P_US_Senate	32.57%	Sestak	D	0.592544496
16P_US_Senate	5.45%	Vodvarka	D	0.02419851

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.487669945
17G_Supreme_Court		Mundy	R	0.512330055
18G_Governor	57.77%	Wolf	D	0.641399264
18G_Governor	40.70%	Wagner	R	0.358600706
18G_US_Senator		Casey	D	0.624804556
18G_US_Senator		Barletta	R	0.375195414
18P_Lt_Governor	23.78%	Ahmad	D	0.364648283
18P_Lt_Governor	18.55%	Cozzone	D	0.283336431
18P_Lt_Governor	37.48%	Fetterman	D	0.178157732
18P_Lt_Governor	3.58%	Sosa	D	0.017941279
18P_Lt_Governor	16.62%	Stack	D	0.155916303
20G_AG		Shapiro	D	0.58095175
20G_AG		Heidelbaugh	R	0.41904822
20G_Auditor	46.35%	Ahmad	D	0.554478407
20G_Auditor	49.44%	Defoor	R	0.445521563
20G_President	50.01%	Biden	D	0.59809196
20G_President	48.84%	Trump	R	0.40190807
20G_Treasurer		Torsella	D	0.565563798
20G_Treasurer		Garrity	R	0.434436172
20P_Auditor	36.44%	Ahmad	D	0.632703781
20P_Auditor	7.47%	Conklin	D	0.036533885
20P_Auditor	5.99%	Davis	D	0.034026343
20P_Auditor	9.00%	Fountain	D	0.066772468
20P_Auditor	13.97%	Hartman	D	0.171634138
20P_Auditor	27.14%	Lamb	D	0.058329366
20P_President	79.26%	Biden	D	0.830590606
20P_President	2.70%	Gabbard	D	0.011839307
20P_President	18.04%	Sanders	D	0.157570064

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.540024281
12G_AG	41.56%	Freed	R	0.459975719
12G_Auditor		Depasquale	D	0.464181274
12G_Auditor		Maher	R	0.535818756
12G_President		Obama	D	0.510248005
12G_President		Romney	R	0.489751995
12G_Treasurer		McCord	D	0.503633082
12G_Treasurer		Vaughan	R	0.496366888
12G_US_Senate	53.69%	Casey	D	0.527787685
12G_US_Senate	44.59%	Smith	R	0.472212344
12P_AG	52.82%	Kane	D	0.481732517
12P_AG	47.18%	Murphy	D	0.518267453
12P_US_Senate	80.88%	Casey	D	0.840332627
12P_US_Senate	19.12%	Vodvarka	D	0.159667388
14G_Governor	54.93%	Wolf	D	0.525107622
14G_Governor	45.07%	Corbett	R	0.474892348
14P_Governor	16.84%	McCord	D	0.177293032
14P_Governor	7.66%	McGinty	D	0.081191622
14P_Governor	17.64%	Schwartz	D	0.162470266
14P_Governor	57.86%	Wolf	D	0.579045057
14P_Lt_Governor	15.88%	Critz	D	0.049734727
14P_Lt_Governor	11.91%	Koplinski	D	0.202128693
14P_Lt_Governor	10.84%	Neuman	D	0.057351172
14P_Lt_Governor	14.57%	Smith	D	0.173388019
14P_Lt_Governor	46.79%	Stack	D	0.517397404
16G_AG	51.39%	Shapiro	D	0.501364529
16G_AG	48.61%	Rafferty	R	0.498635471
16G_Auditor		Depasquale	D	0.481705159
16G_Auditor		Brown	R	0.518294811
16G_President	47.85%	Clinton	D	0.522286713
16G_President	48.58%	Trump	R	0.477713257
16G_Treasurer		Torsella	D	0.511323571
16G_Treasurer		Voit	R	0.488676399
16G_US_Senate	47.34%	McGinty	D	0.48535201
16G_US_Senate	48.77%	Toomey	R	0.514647961
16P_AG	16.22%	Morganelli	D	0.163929284
16P_AG	47.03%	Shapiro	D	0.620660543
16P_AG	36.74%	Zappala	D	0.215410203
16P_President	55.61%	Clinton	D	0.525811136
16P_President	0.86%	DeLaFuente	D	0.005953662
16P_President	43.53%	Sanders	D	0.468235195
16P_US_Senate	19.49%	Fetterman	D	0.086798787
16P_US_Senate	42.50%	McGinty	D	0.462170541
16P_US_Senate	32.57%	Sestak	D	0.426943392
16P_US_Senate	5.45%	Vodvarka	D	0.024087273

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.474338621
17G_Supreme_Court		Mundy	R	0.525661349
18G_Governor	57.77%	Wolf	D	0.603289604
18G_Governor	40.70%	Wagner	R	0.396710396
18G_US_Senator		Casey	D	0.584235787
18G_US_Senator		Barletta	R	0.415764242
18P_Lt_Governor	23.78%	Ahmad	D	0.20242849
18P_Lt_Governor	18.55%	Cozzone	D	0.51840508
18P_Lt_Governor	37.48%	Fetterman	D	0.152546078
18P_Lt_Governor	3.58%	Sosa	D	0.0231089
18P_Lt_Governor	16.62%	Stack	D	0.10351146
20G_AG		Shapiro	D	0.539277852
20G_AG		Heidelbaugh	R	0.460722148
20G_Auditor	46.35%	Ahmad	D	0.507490098
20G_Auditor	49.44%	Defoor	R	0.492509931
20G_President	50.01%	Biden	D	0.549223483
20G_President	48.84%	Trump	R	0.450776488
20G_Treasurer		Torsella	D	0.523481429
20G_Treasurer		Garrity	R	0.476518601
20P_Auditor	36.44%	Ahmad	D	0.375736922
20P_Auditor	7.47%	Conklin	D	0.046129648
20P_Auditor	5.99%	Davis	D	0.038853604
20P_Auditor	9.00%	Fountain	D	0.073576912
20P_Auditor	13.97%	Hartman	D	0.399245977
20P_Auditor	27.14%	Lamb	D	0.066456951
20P_President	79.26%	Biden	D	0.802287698
20P_President	2.70%	Gabbard	D	0.01989474
20P_President	18.04%	Sanders	D	0.177817583

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.555768609
12G_AG	41.56%	Freed	R	0.444231391
12G_Auditor		Depasquale	D	0.501792967
12G_Auditor		Maher	R	0.498207003
12G_President		Obama	D	0.525265336
12G_President		Romney	R	0.474734694
12G_Treasurer		McCord	D	0.530002296
12G_Treasurer		Vaughan	R	0.469997674
12G_US_Senate	53.69%	Casey	D	0.537320256
12G_US_Senate	44.59%	Smith	R	0.462679744
12P_AG	52.82%	Kane	D	0.451079249
12P_AG	47.18%	Murphy	D	0.548920751
12P_US_Senate	80.88%	Casey	D	0.821260631
12P_US_Senate	19.12%	Vodvarka	D	0.178739384
14G_Governor	54.93%	Wolf	D	0.540205896
14G_Governor	45.07%	Corbett	R	0.459794074
14P_Governor	16.84%	McCord	D	0.143959925
14P_Governor	7.66%	McGinty	D	0.05792575
14P_Governor	17.64%	Schwartz	D	0.170595169
14P_Governor	57.86%	Wolf	D	0.627519131
14P_Lt_Governor	15.88%	Critz	D	0.052868865
14P_Lt_Governor	11.91%	Koplinski	D	0.151738226
14P_Lt_Governor	10.84%	Neuman	D	0.070656195
14P_Lt_Governor	14.57%	Smith	D	0.210066572
14P_Lt_Governor	46.79%	Stack	D	0.514670134
16G_AG	51.39%	Shapiro	D	0.517421722
16G_AG	48.61%	Rafferty	R	0.482578278
16G_Auditor		Depasquale	D	0.493287295
16G_Auditor		Brown	R	0.506712735
16G_President	47.85%	Clinton	D	0.502001047
16G_President	48.58%	Trump	R	0.497998983
16G_Treasurer		Torsella	D	0.523491204
16G_Treasurer		Voit	R	0.476508796
16G_US_Senate	47.34%	McGinty	D	0.48347497
16G_US_Senate	48.77%	Toomey	R	0.51652503
16P_AG	16.22%	Morganelli	D	0.613135099
16P_AG	47.03%	Shapiro	D	0.289943248
16P_AG	36.74%	Zappala	D	0.096921615
16P_President	55.61%	Clinton	D	0.516844988
16P_President	0.86%	DeLaFuente	D	0.00744175
16P_President	43.53%	Sanders	D	0.475713253
16P_US_Senate	19.49%	Fetterman	D	0.111049339
16P_US_Senate	42.50%	McGinty	D	0.416502893
16P_US_Senate	32.57%	Sestak	D	0.434487492
16P_US_Senate	5.45%	Vodvarka	D	0.03796028

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.485213816
17G_Supreme_Court		Mundy	R	0.514786184
18G_Governor	57.77%	Wolf	D	0.593426824
18G_Governor	40.70%	Wagner	R	0.406573206
18G_US_Senator		Casey	D	0.566746533
18G_US_Senator		Barletta	R	0.433253467
18P_Lt_Governor	23.78%	Ahmad	D	0.290404379
18P_Lt_Governor	18.55%	Cozzone	D	0.2397971
18P_Lt_Governor	37.48%	Fetterman	D	0.195262685
18P_Lt_Governor	3.58%	Sosa	D	0.067988276
18P_Lt_Governor	16.62%	Stack	D	0.206547529
20G_AG		Shapiro	D	0.528879106
20G_AG		Heidelbaugh	R	0.471120894
20G_Auditor	46.35%	Ahmad	D	0.49939245
20G_Auditor	49.44%	Defoor	R	0.50060755
20G_President	50.01%	Biden	D	0.522264659
20G_President	48.84%	Trump	R	0.477735311
20G_Treasurer		Torsella	D	0.511496007
20G_Treasurer		Garrity	R	0.488503963
20P_Auditor	36.44%	Ahmad	D	0.386299074
20P_Auditor	7.47%	Conklin	D	0.0806982
20P_Auditor	5.99%	Davis	D	0.129709035
20P_Auditor	9.00%	Fountain	D	0.103296325
20P_Auditor	13.97%	Hartman	D	0.177036196
20P_Auditor	27.14%	Lamb	D	0.122961171
20P_President	79.26%	Biden	D	0.792291999
20P_President	2.70%	Gabbard	D	0.02328549
20P_President	18.04%	Sanders	D	0.184422493

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.638975322
12G_AG	41.56%	Freed	R	0.361024678
12G_Auditor		Depasquale	D	0.56708312
12G_Auditor		Maher	R	0.432916909
12G_President		Obama	D	0.563866556
12G_President		Romney	R	0.436133444
12G_Treasurer		McCord	D	0.598795891
12G_Treasurer		Vaughan	R	0.401204109
12G_US_Senate	53.69%	Casey	D	0.589817464
12G_US_Senate	44.59%	Smith	R	0.410182506
12P_AG	52.82%	Kane	D	0.769724429
12P_AG	47.18%	Murphy	D	0.230275586
12P_US_Senate	80.88%	Casey	D	0.905164778
12P_US_Senate	19.12%	Vodvarka	D	0.094835244
14G_Governor	54.93%	Wolf	D	0.597660661
14G_Governor	45.07%	Corbett	R	0.402339339
14P_Governor	16.84%	McCord	D	0.213903174
14P_Governor	7.66%	McGinty	D	0.087286122
14P_Governor	17.64%	Schwartz	D	0.063592419
14P_Governor	57.86%	Wolf	D	0.635218263
14P_Lt_Governor	15.88%	Critz	D	0.039988376
14P_Lt_Governor	11.91%	Koplinski	D	0.114662409
14P_Lt_Governor	10.84%	Neuman	D	0.075818107
14P_Lt_Governor	14.57%	Smith	D	0.337104559
14P_Lt_Governor	46.79%	Stack	D	0.432426542
16G_AG	51.39%	Shapiro	D	0.53006202
16G_AG	48.61%	Rafferty	R	0.46993801
16G_Auditor		Depasquale	D	0.547830403
16G_Auditor		Brown	R	0.452169597
16G_President	47.85%	Clinton	D	0.455792665
16G_President	48.58%	Trump	R	0.544207335
16G_Treasurer		Torsella	D	0.55957222
16G_Treasurer		Voit	R	0.44042778
16G_US_Senate	47.34%	McGinty	D	0.502114415
16G_US_Senate	48.77%	Toomey	R	0.497885585
16P_AG	16.22%	Morganelli	D	0.323007703
16P_AG	47.03%	Shapiro	D	0.421122193
16P_AG	36.74%	Zappala	D	0.255870134
16P_President	55.61%	Clinton	D	0.540074348
16P_President	0.86%	DeLaFuente	D	0.010014772
16P_President	43.53%	Sanders	D	0.449910849
16P_US_Senate	19.49%	Fetterman	D	0.08636485
16P_US_Senate	42.50%	McGinty	D	0.495740682
16P_US_Senate	32.57%	Sestak	D	0.38379854
16P_US_Senate	5.45%	Vodvarka	D	0.034095902

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.434049487
17G_Supreme_Court		Mundy	R	0.565950513
18G_Governor	57.77%	Wolf	D	0.5713498
18G_Governor	40.70%	Wagner	R	0.42865023
18G_US_Senator		Casey	D	0.529086828
18G_US_Senator		Barletta	R	0.470913172
18P_Lt_Governor	23.78%	Ahmad	D	0.267890275
18P_Lt_Governor	18.55%	Cozzone	D	0.17154333
18P_Lt_Governor	37.48%	Fetterman	D	0.199506819
18P_Lt_Governor	3.58%	Sosa	D	0.036403388
18P_Lt_Governor	16.62%	Stack	D	0.324656188
20G_AG		Shapiro	D	0.532308936
20G_AG		Heidelbaugh	R	0.467691064
20G_Auditor	46.35%	Ahmad	D	0.487097651
20G_Auditor	49.44%	Defoor	R	0.512902319
20G_President	50.01%	Biden	D	0.482171744
20G_President	48.84%	Trump	R	0.517828286
20G_Treasurer		Torsella	D	0.497549176
20G_Treasurer		Garrity	R	0.502450824
20P_Auditor	36.44%	Ahmad	D	0.219465256
20P_Auditor	7.47%	Conklin	D	0.071884945
20P_Auditor	5.99%	Davis	D	0.339410335
20P_Auditor	9.00%	Fountain	D	0.075631224
20P_Auditor	13.97%	Hartman	D	0.142243147
20P_Auditor	27.14%	Lamb	D	0.151365086
20P_President	79.26%	Biden	D	0.806501269
20P_President	2.70%	Gabbard	D	0.035272062
20P_President	18.04%	Sanders	D	0.158226669

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.479607284
12G_AG	41.56%	Freed	R	0.520392716
12G_Auditor		Depasquale	D	0.392848641
12G_Auditor		Maher	R	0.607151389
12G_President		Obama	D	0.402026057
12G_President		Romney	R	0.597973943
12G_Treasurer		McCord	D	0.428248316
12G_Treasurer		Vaughan	R	0.571751654
12G_US_Senate	53.69%	Casey	D	0.415125638
12G_US_Senate	44.59%	Smith	R	0.584874392
12P_AG	52.82%	Kane	D	0.700660706
12P_AG	47.18%	Murphy	D	0.299339294
12P_US_Senate	80.88%	Casey	D	0.873597324
12P_US_Senate	19.12%	Vodvarka	D	0.126402646
14G_Governor	54.93%	Wolf	D	0.45531407
14G_Governor	45.07%	Corbett	R	0.54468596
14P_Governor	16.84%	McCord	D	0.194237202
14P_Governor	7.66%	McGinty	D	0.102338336
14P_Governor	17.64%	Schwartz	D	0.077795058
14P_Governor	57.86%	Wolf	D	0.625629425
14P_Lt_Governor	15.88%	Critz	D	0.049024411
14P_Lt_Governor	11.91%	Koplinski	D	0.186010316
14P_Lt_Governor	10.84%	Neuman	D	0.048765022
14P_Lt_Governor	14.57%	Smith	D	0.385220617
14P_Lt_Governor	46.79%	Stack	D	0.330979615
16G_AG	51.39%	Shapiro	D	0.360803574
16G_AG	48.61%	Rafferty	R	0.639196396
16G_Auditor		Depasquale	D	0.362223119
16G_Auditor		Brown	R	0.637776852
16G_President	47.85%	Clinton	D	0.29792136
16G_President	48.58%	Trump	R	0.70207864
16G_Treasurer		Torsella	D	0.39445734
16G_Treasurer		Voit	R	0.60554266
16G_US_Senate	47.34%	McGinty	D	0.339992017
16G_US_Senate	48.77%	Toomey	R	0.660008013
16P_AG	16.22%	Morganelli	D	0.376918525
16P_AG	47.03%	Shapiro	D	0.430555552
16P_AG	36.74%	Zappala	D	0.192525908
16P_President	55.61%	Clinton	D	0.483028471
16P_President	0.86%	DeLaFuente	D	0.012767002
16P_President	43.53%	Sanders	D	0.504204512
16P_US_Senate	19.49%	Fetterman	D	0.122052684
16P_US_Senate	42.50%	McGinty	D	0.49161014
16P_US_Senate	32.57%	Sestak	D	0.354376554
16P_US_Senate	5.45%	Vodvarka	D	0.031960636

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.300419241
17G_Supreme_Court		Mundy	R	0.699580789
18G_Governor	57.77%	Wolf	D	0.416017771
18G_Governor	40.70%	Wagner	R	0.583982229
18G_US_Senator		Casey	D	0.374961525
18G_US_Senator		Barletta	R	0.625038445
18P_Lt_Governor	23.78%	Ahmad	D	0.235810071
18P_Lt_Governor	18.55%	Cozzone	D	0.194019243
18P_Lt_Governor	37.48%	Fetterman	D	0.264731795
18P_Lt_Governor	3.58%	Sosa	D	0.041689243
18P_Lt_Governor	16.62%	Stack	D	0.263749659
20G_AG		Shapiro	D	0.354158759
20G_AG		Heidelbaugh	R	0.645841241
20G_Auditor	46.35%	Ahmad	D	0.306817979
20G_Auditor	49.44%	Defoor	R	0.693181992
20G_President	50.01%	Biden	D	0.317332178
20G_President	48.84%	Trump	R	0.682667851
20G_Treasurer		Torsella	D	0.315995514
20G_Treasurer		Garrity	R	0.684004486
20P_Auditor	36.44%	Ahmad	D	0.204155356
20P_Auditor	7.47%	Conklin	D	0.178203896
20P_Auditor	5.99%	Davis	D	0.126945376
20P_Auditor	9.00%	Fountain	D	0.133975118
20P_Auditor	13.97%	Hartman	D	0.203745291
20P_Auditor	27.14%	Lamb	D	0.152974948
20P_President	79.26%	Biden	D	0.770088911
20P_President	2.70%	Gabbard	D	0.046303112
20P_President	18.04%	Sanders	D	0.183607981

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.488165736
12G_AG	41.56%	Freed	R	0.511834264
12G_Auditor		Depasquale	D	0.455452144
12G_Auditor		Maher	R	0.544547856
12G_President		Obama	D	0.452127427
12G_President		Romney	R	0.547872603
12G_Treasurer		McCord	D	0.465254724
12G_Treasurer		Vaughan	R	0.534745276
12G_US_Senate	53.69%	Casey	D	0.468754411
12G_US_Senate	44.59%	Smith	R	0.531245589
12P_AG	52.82%	Kane	D	0.648189783
12P_AG	47.18%	Murphy	D	0.351810247
12P_US_Senate	80.88%	Casey	D	0.848156333
12P_US_Senate	19.12%	Vodvarka	D	0.151843682
14G_Governor	54.93%	Wolf	D	0.46579349
14G_Governor	45.07%	Corbett	R	0.53420651
14P_Governor	16.84%	McCord	D	0.076589175
14P_Governor	7.66%	McGinty	D	0.064169966
14P_Governor	17.64%	Schwartz	D	0.052667119
14P_Governor	57.86%	Wolf	D	0.806573749
14P_Lt_Governor	15.88%	Critz	D	0.049804263
14P_Lt_Governor	11.91%	Koplinski	D	0.458840787
14P_Lt_Governor	10.84%	Neuman	D	0.052658767
14P_Lt_Governor	14.57%	Smith	D	0.098521098
14P_Lt_Governor	46.79%	Stack	D	0.340175062
16G_AG	51.39%	Shapiro	D	0.42467016
16G_AG	48.61%	Rafferty	R	0.57532984
16G_Auditor		Depasquale	D	0.486635506
16G_Auditor		Brown	R	0.513364494
16G_President	47.85%	Clinton	D	0.425638199
16G_President	48.58%	Trump	R	0.574361801
16G_Treasurer		Torsella	D	0.438759416
16G_Treasurer		Voit	R	0.561240554
16G_US_Senate	47.34%	McGinty	D	0.418429673
16G_US_Senate	48.77%	Toomey	R	0.581570327
16P_AG	16.22%	Morganelli	D	0.18252255
16P_AG	47.03%	Shapiro	D	0.574305534
16P_AG	36.74%	Zappala	D	0.243171901
16P_President	55.61%	Clinton	D	0.537262917
16P_President	0.86%	DeLaFuente	D	0.008237867
16P_President	43.53%	Sanders	D	0.454499185
16P_US_Senate	19.49%	Fetterman	D	0.155935913
16P_US_Senate	42.50%	McGinty	D	0.521558642
16P_US_Senate	32.57%	Sestak	D	0.287297875
16P_US_Senate	5.45%	Vodvarka	D	0.035207573

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.363891631
17G_Supreme_Court		Mundy	R	0.636108398
18G_Governor	57.77%	Wolf	D	0.52548635
18G_Governor	40.70%	Wagner	R	0.47451365
18G_US_Senator		Casey	D	0.487114072
18G_US_Senator		Barletta	R	0.512885928
18P_Lt_Governor	23.78%	Ahmad	D	0.359531522
18P_Lt_Governor	18.55%	Cozzone	D	0.169331461
18P_Lt_Governor	37.48%	Fetterman	D	0.349857897
18P_Lt_Governor	3.58%	Sosa	D	0.028733818
18P_Lt_Governor	16.62%	Stack	D	0.092545286
20G_AG		Shapiro	D	0.456385881
20G_AG		Heidelbaugh	R	0.543614089
20G_Auditor	46.35%	Ahmad	D	0.418052346
20G_Auditor	49.44%	Defoor	R	0.581947684
20G_President	50.01%	Biden	D	0.45481956
20G_President	48.84%	Trump	R	0.54518044
20G_Treasurer		Torsella	D	0.429734766
20G_Treasurer		Garrity	R	0.570265234
20P_Auditor	36.44%	Ahmad	D	0.179271713
20P_Auditor	7.47%	Conklin	D	0.083208919
20P_Auditor	5.99%	Davis	D	0.039030842
20P_Auditor	9.00%	Fountain	D	0.377198607
20P_Auditor	13.97%	Hartman	D	0.230914697
20P_Auditor	27.14%	Lamb	D	0.090375237
20P_President	79.26%	Biden	D	0.796545863
20P_President	2.70%	Gabbard	D	0.026123615
20P_President	18.04%	Sanders	D	0.177330524

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.442975581
12G_AG	41.56%	Freed	R	0.557024419
12G_Auditor		Depasquale	D	0.366862208
12G_Auditor		Maher	R	0.633137763
12G_President		Obama	D	0.397286355
12G_President		Romney	R	0.602713645
12G_Treasurer		McCord	D	0.39729619
12G_Treasurer		Vaughan	R	0.60270381
12G_US_Senate	53.69%	Casey	D	0.412539363
12G_US_Senate	44.59%	Smith	R	0.587460637
12P_AG	52.82%	Kane	D	0.578020573
12P_AG	47.18%	Murphy	D	0.421979457
12P_US_Senate	80.88%	Casey	D	0.863030195
12P_US_Senate	19.12%	Vodvarka	D	0.136969835
14G_Governor	54.93%	Wolf	D	0.405584902
14G_Governor	45.07%	Corbett	R	0.594415128
14P_Governor	16.84%	McCord	D	0.105811529
14P_Governor	7.66%	McGinty	D	0.084819019
14P_Governor	17.64%	Schwartz	D	0.101065062
14P_Governor	57.86%	Wolf	D	0.708304405
14P_Lt_Governor	15.88%	Critz	D	0.053133514
14P_Lt_Governor	11.91%	Koplinski	D	0.414552122
14P_Lt_Governor	10.84%	Neuman	D	0.048407696
14P_Lt_Governor	14.57%	Smith	D	0.098433241
14P_Lt_Governor	46.79%	Stack	D	0.38547343
16G_AG	51.39%	Shapiro	D	0.37853843
16G_AG	48.61%	Rafferty	R	0.62146157
16G_Auditor		Depasquale	D	0.403663993
16G_Auditor		Brown	R	0.596336007
16G_President	47.85%	Clinton	D	0.384441048
16G_President	48.58%	Trump	R	0.615558922
16G_Treasurer		Torsella	D	0.388722748
16G_Treasurer		Voit	R	0.611277223
16G_US_Senate	47.34%	McGinty	D	0.376035869
16G_US_Senate	48.77%	Toomey	R	0.623964131
16P_AG	16.22%	Morganelli	D	0.183025107
16P_AG	47.03%	Shapiro	D	0.5859496
16P_AG	36.74%	Zappala	D	0.231025264
16P_President	55.61%	Clinton	D	0.490516722
16P_President	0.86%	DeLaFuente	D	0.006861671
16P_President	43.53%	Sanders	D	0.502621591
16P_US_Senate	19.49%	Fetterman	D	0.154455855
16P_US_Senate	42.50%	McGinty	D	0.524024129
16P_US_Senate	32.57%	Sestak	D	0.310665309
16P_US_Senate	5.45%	Vodvarka	D	0.010854698

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.32574752
17G_Supreme_Court		Mundy	R	0.67425251
18G_Governor	57.77%	Wolf	D	0.478826731
18G_Governor	40.70%	Wagner	R	0.521173298
18G_US_Senator		Casey	D	0.445257843
18G_US_Senator		Barletta	R	0.554742157
18P_Lt_Governor	23.78%	Ahmad	D	0.385347098
18P_Lt_Governor	18.55%	Cozzone	D	0.2209194
18P_Lt_Governor	37.48%	Fetterman	D	0.286108077
18P_Lt_Governor	3.58%	Sosa	D	0.028498214
18P_Lt_Governor	16.62%	Stack	D	0.079127192
20G_AG		Shapiro	D	0.406278789
20G_AG		Heidelbaugh	R	0.593721211
20G_Auditor	46.35%	Ahmad	D	0.373229384
20G_Auditor	49.44%	Defoor	R	0.626770616
20G_President	50.01%	Biden	D	0.41026479
20G_President	48.84%	Trump	R	0.58973521
20G_Treasurer		Torsella	D	0.379453212
20G_Treasurer		Garrity	R	0.620546758
20P_Auditor	36.44%	Ahmad	D	0.127584934
20P_Auditor	7.47%	Conklin	D	0.037684161
20P_Auditor	5.99%	Davis	D	0.021848796
20P_Auditor	9.00%	Fountain	D	0.18564795
20P_Auditor	13.97%	Hartman	D	0.57882607
20P_Auditor	27.14%	Lamb	D	0.04840811
20P_President	79.26%	Biden	D	0.768770754
20P_President	2.70%	Gabbard	D	0.024886027
20P_President	18.04%	Sanders	D	0.206343234

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.616538942
12G_AG	41.56%	Freed	R	0.383461058
12G_Auditor		Depasquale	D	0.571830392
12G_Auditor		Maher	R	0.428169608
12G_President		Obama	D	0.562410772
12G_President		Romney	R	0.437589258
12G_Treasurer		McCord	D	0.596027076
12G_Treasurer		Vaughan	R	0.403972924
12G_US_Senate	53.69%	Casey	D	0.59033972
12G_US_Senate	44.59%	Smith	R	0.40966028
12P_AG	52.82%	Kane	D	0.523724616
12P_AG	47.18%	Murphy	D	0.476275414
12P_US_Senate	80.88%	Casey	D	0.735513806
12P_US_Senate	19.12%	Vodvarka	D	0.264486164
14G_Governor	54.93%	Wolf	D	0.563690662
14G_Governor	45.07%	Corbett	R	0.436309338
14P_Governor	16.84%	McCord	D	0.143882141
14P_Governor	7.66%	McGinty	D	0.105493419
14P_Governor	17.64%	Schwartz	D	0.153936714
14P_Governor	57.86%	Wolf	D	0.596687734
14P_Lt_Governor	15.88%	Critz	D	0.322006345
14P_Lt_Governor	11.91%	Koplinski	D	0.075238429
14P_Lt_Governor	10.84%	Neuman	D	0.17195338
14P_Lt_Governor	14.57%	Smith	D	0.074567288
14P_Lt_Governor	46.79%	Stack	D	0.35623455
16G_AG	51.39%	Shapiro	D	0.586634874
16G_AG	48.61%	Rafferty	R	0.413365096
16G_Auditor		Depasquale	D	0.63964045
16G_Auditor		Brown	R	0.360359579
16G_President	47.85%	Clinton	D	0.581842005
16G_President	48.58%	Trump	R	0.418158025
16G_Treasurer		Torsella	D	0.618400693
16G_Treasurer		Voit	R	0.381599277
16G_US_Senate	47.34%	McGinty	D	0.569395542
16G_US_Senate	48.77%	Toomey	R	0.430604488
16P_AG	16.22%	Morganelli	D	0.043379307
16P_AG	47.03%	Shapiro	D	0.254270196
16P_AG	36.74%	Zappala	D	0.702350497
16P_President	55.61%	Clinton	D	0.552368045
16P_President	0.86%	DeLaFuente	D	0.007279518
16P_President	43.53%	Sanders	D	0.44035244
16P_US_Senate	19.49%	Fetterman	D	0.430090696
16P_US_Senate	42.50%	McGinty	D	0.333646566
16P_US_Senate	32.57%	Sestak	D	0.189517334
16P_US_Senate	5.45%	Vodvarka	D	0.04674542

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.620440304
17G_Supreme_Court		Mundy	R	0.379559726
18G_Governor	57.77%	Wolf	D	0.673728645
18G_Governor	40.70%	Wagner	R	0.326271325
18G_US_Senator		Casey	D	0.657816231
18G_US_Senator		Barletta	R	0.342183799
18P_Lt_Governor	23.78%	Ahmad	D	0.146362886
18P_Lt_Governor	18.55%	Cozzone	D	0.063593738
18P_Lt_Governor	37.48%	Fetterman	D	0.758219481
18P_Lt_Governor	3.58%	Sosa	D	0.009229605
18P_Lt_Governor	16.62%	Stack	D	0.02259429
20G_AG		Shapiro	D	0.631616294
20G_AG		Heidelbaugh	R	0.368383706
20G_Auditor	46.35%	Ahmad	D	0.579758227
20G_Auditor	49.44%	Defoor	R	0.420241803
20G_President	50.01%	Biden	D	0.596309602
20G_President	48.84%	Trump	R	0.403690398
20G_Treasurer		Torsella	D	0.586755335
20G_Treasurer		Garrity	R	0.413244635
20P_Auditor	36.44%	Ahmad	D	0.142381892
20P_Auditor	7.47%	Conklin	D	0.011545462
20P_Auditor	5.99%	Davis	D	0.017871441
20P_Auditor	9.00%	Fountain	D	0.053992867
20P_Auditor	13.97%	Hartman	D	0.027575161
20P_Auditor	27.14%	Lamb	D	0.746633172
20P_President	79.26%	Biden	D	0.759930015
20P_President	2.70%	Gabbard	D	0.028585117
20P_President	18.04%	Sanders	D	0.211484864

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.409123778
12G_AG	41.56%	Freed	R	0.590876222
12G_Auditor		Depasquale	D	0.317175686
12G_Auditor		Maher	R	0.682824314
12G_President		Obama	D	0.329765618
12G_President		Romney	R	0.670234382
12G_Treasurer		McCord	D	0.355928063
12G_Treasurer		Vaughan	R	0.644071937
12G_US_Senate	53.69%	Casey	D	0.35476172
12G_US_Senate	44.59%	Smith	R	0.64523828
12P_AG	52.82%	Kane	D	0.621826768
12P_AG	47.18%	Murphy	D	0.378173232
12P_US_Senate	80.88%	Casey	D	0.824795187
12P_US_Senate	19.12%	Vodvarka	D	0.175204784
14G_Governor	54.93%	Wolf	D	0.383354068
14G_Governor	45.07%	Corbett	R	0.616645932
14P_Governor	16.84%	McCord	D	0.143276587
14P_Governor	7.66%	McGinty	D	0.110385329
14P_Governor	17.64%	Schwartz	D	0.073700182
14P_Governor	57.86%	Wolf	D	0.67263788
14P_Lt_Governor	15.88%	Critz	D	0.313989252
14P_Lt_Governor	11.91%	Koplinski	D	0.250590354
14P_Lt_Governor	10.84%	Neuman	D	0.061824687
14P_Lt_Governor	14.57%	Smith	D	0.149087653
14P_Lt_Governor	46.79%	Stack	D	0.224508047
16G_AG	51.39%	Shapiro	D	0.314153165
16G_AG	48.61%	Rafferty	R	0.685846806
16G_Auditor		Depasquale	D	0.330807805
16G_Auditor		Brown	R	0.669192195
16G_President	47.85%	Clinton	D	0.28083095
16G_President	48.58%	Trump	R	0.71916908
16G_Treasurer		Torsella	D	0.324676752
16G_Treasurer		Voit	R	0.675323248
16G_US_Senate	47.34%	McGinty	D	0.296201557
16G_US_Senate	48.77%	Toomey	R	0.703798413
16P_AG	16.22%	Morganelli	D	0.22419183
16P_AG	47.03%	Shapiro	D	0.501305759
16P_AG	36.74%	Zappala	D	0.274502426
16P_President	55.61%	Clinton	D	0.483065337
16P_President	0.86%	DeLaFuente	D	0.012643573
16P_President	43.53%	Sanders	D	0.504291117
16P_US_Senate	19.49%	Fetterman	D	0.157227352
16P_US_Senate	42.50%	McGinty	D	0.482439935
16P_US_Senate	32.57%	Sestak	D	0.32306838
16P_US_Senate	5.45%	Vodvarka	D	0.037264325

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.2783494
17G_Supreme_Court		Mundy	R	0.7216506
18G_Governor	57.77%	Wolf	D	0.375104636
18G_Governor	40.70%	Wagner	R	0.624895394
18G_US_Senator		Casey	D	0.357768327
18G_US_Senator		Barletta	R	0.642231643
18P_Lt_Governor	23.78%	Ahmad	D	0.270122558
18P_Lt_Governor	18.55%	Cozzone	D	0.23323445
18P_Lt_Governor	37.48%	Fetterman	D	0.373057991
18P_Lt_Governor	3.58%	Sosa	D	0.038683739
18P_Lt_Governor	16.62%	Stack	D	0.084901243
20G_AG		Shapiro	D	0.302514791
20G_AG		Heidelbaugh	R	0.697485209
20G_Auditor	46.35%	Ahmad	D	0.269910961
20G_Auditor	49.44%	Defoor	R	0.730089009
20G_President	50.01%	Biden	D	0.297574908
20G_President	48.84%	Trump	R	0.702425122
20G_Treasurer		Torsella	D	0.283477068
20G_Treasurer		Garrity	R	0.716522932
20P_Auditor	36.44%	Ahmad	D	0.145995408
20P_Auditor	7.47%	Conklin	D	0.35263288
20P_Auditor	5.99%	Davis	D	0.042768814
20P_Auditor	9.00%	Fountain	D	0.198304802
20P_Auditor	13.97%	Hartman	D	0.151748419
20P_Auditor	27.14%	Lamb	D	0.108549669
20P_President	79.26%	Biden	D	0.774007916
20P_President	2.70%	Gabbard	D	0.037309829
20P_President	18.04%	Sanders	D	0.188682288

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.527500391
12G_AG	41.56%	Freed	R	0.472499639
12G_Auditor		Depasquale	D	0.453806669
12G_Auditor		Maher	R	0.546193361
12G_President		Obama	D	0.40219149
12G_President		Romney	R	0.59780848
12G_Treasurer		McCord	D	0.470291793
12G_Treasurer		Vaughan	R	0.529708207
12G_US_Senate	53.69%	Casey	D	0.454274833
12G_US_Senate	44.59%	Smith	R	0.545725167
12P_AG	52.82%	Kane	D	0.597421646
12P_AG	47.18%	Murphy	D	0.402578384
12P_US_Senate	80.88%	Casey	D	0.759156704
12P_US_Senate	19.12%	Vodvarka	D	0.240843311
14G_Governor	54.93%	Wolf	D	0.48349753
14G_Governor	45.07%	Corbett	R	0.5165025
14P_Governor	16.84%	McCord	D	0.20053865
14P_Governor	7.66%	McGinty	D	0.107965492
14P_Governor	17.64%	Schwartz	D	0.066016316
14P_Governor	57.86%	Wolf	D	0.625479519
14P_Lt_Governor	15.88%	Critz	D	0.464223117
14P_Lt_Governor	11.91%	Koplinski	D	0.024889668
14P_Lt_Governor	10.84%	Neuman	D	0.304565817
14P_Lt_Governor	14.57%	Smith	D	0.053608514
14P_Lt_Governor	46.79%	Stack	D	0.152712882
16G_AG	51.39%	Shapiro	D	0.416886926
16G_AG	48.61%	Rafferty	R	0.583113074
16G_Auditor		Depasquale	D	0.464024991
16G_Auditor		Brown	R	0.535975039
16G_President	47.85%	Clinton	D	0.331502616
16G_President	48.58%	Trump	R	0.668497384
16G_Treasurer		Torsella	D	0.45565185
16G_Treasurer		Voit	R	0.544348121
16G_US_Senate	47.34%	McGinty	D	0.374887854
16G_US_Senate	48.77%	Toomey	R	0.625112176
16P_AG	16.22%	Morganelli	D	0.095713891
16P_AG	47.03%	Shapiro	D	0.239729598
16P_AG	36.74%	Zappala	D	0.664556503
16P_President	55.61%	Clinton	D	0.547677875
16P_President	0.86%	DeLaFuente	D	0.018975647
16P_President	43.53%	Sanders	D	0.43334648
16P_US_Senate	19.49%	Fetterman	D	0.282885343
16P_US_Senate	42.50%	McGinty	D	0.429427415
16P_US_Senate	32.57%	Sestak	D	0.238864243
16P_US_Senate	5.45%	Vodvarka	D	0.048823006

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.414647341
17G_Supreme_Court		Mundy	R	0.585352659
18G_Governor	57.77%	Wolf	D	0.465362698
18G_Governor	40.70%	Wagner	R	0.534637332
18G_US_Senator		Casey	D	0.453841239
18G_US_Senator		Barletta	R	0.546158791
18P_Lt_Governor	23.78%	Ahmad	D	0.099185281
18P_Lt_Governor	18.55%	Cozzone	D	0.14247942
18P_Lt_Governor	37.48%	Fetterman	D	0.691136956
18P_Lt_Governor	3.58%	Sosa	D	0.020443261
18P_Lt_Governor	16.62%	Stack	D	0.04675509
20G_AG		Shapiro	D	0.402612358
20G_AG		Heidelbaugh	R	0.597387671
20G_Auditor	46.35%	Ahmad	D	0.339626253
20G_Auditor	49.44%	Defoor	R	0.660373747
20G_President	50.01%	Biden	D	0.340570807
20G_President	48.84%	Trump	R	0.659429193
20G_Treasurer		Torsella	D	0.359371454
20G_Treasurer		Garrity	R	0.640628517
20P_Auditor	36.44%	Ahmad	D	0.092207775
20P_Auditor	7.47%	Conklin	D	0.102267489
20P_Auditor	5.99%	Davis	D	0.024619488
20P_Auditor	9.00%	Fountain	D	0.032310743
20P_Auditor	13.97%	Hartman	D	0.060881816
20P_Auditor	27.14%	Lamb	D	0.687712669
20P_President	79.26%	Biden	D	0.787405849
20P_President	2.70%	Gabbard	D	0.056944177
20P_President	18.04%	Sanders	D	0.15564999

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.47774002
12G_AG	41.56%	Freed	R	0.522259951
12G_Auditor		Depasquale	D	0.386995912
12G_Auditor		Maher	R	0.613004088
12G_President		Obama	D	0.379108012
12G_President		Romney	R	0.620891988
12G_Treasurer		McCord	D	0.422568053
12G_Treasurer		Vaughan	R	0.577431917
12G_US_Senate	53.69%	Casey	D	0.393001735
12G_US_Senate	44.59%	Smith	R	0.606998265
12P_AG	52.82%	Kane	D	0.611945629
12P_AG	47.18%	Murphy	D	0.388054371
12P_US_Senate	80.88%	Casey	D	0.796647549
12P_US_Senate	19.12%	Vodvarka	D	0.203352422
14G_Governor	54.93%	Wolf	D	0.448549628
14G_Governor	45.07%	Corbett	R	0.551450372
14P_Governor	16.84%	McCord	D	0.215300784
14P_Governor	7.66%	McGinty	D	0.108120173
14P_Governor	17.64%	Schwartz	D	0.077208556
14P_Governor	57.86%	Wolf	D	0.59937048
14P_Lt_Governor	15.88%	Critz	D	0.477633238
14P_Lt_Governor	11.91%	Koplinski	D	0.091618717
14P_Lt_Governor	10.84%	Neuman	D	0.065198898
14P_Lt_Governor	14.57%	Smith	D	0.213335007
14P_Lt_Governor	46.79%	Stack	D	0.152214155
16G_AG	51.39%	Shapiro	D	0.36407125
16G_AG	48.61%	Rafferty	R	0.63592875
16G_Auditor		Depasquale	D	0.377793312
16G_Auditor		Brown	R	0.622206688
16G_President	47.85%	Clinton	D	0.298534155
16G_President	48.58%	Trump	R	0.701465845
16G_Treasurer		Torsella	D	0.389861584
16G_Treasurer		Voit	R	0.610138416
16G_US_Senate	47.34%	McGinty	D	0.332361937
16G_US_Senate	48.77%	Toomey	R	0.667638063
16P_AG	16.22%	Morganelli	D	0.190575287
16P_AG	47.03%	Shapiro	D	0.409471959
16P_AG	36.74%	Zappala	D	0.399952769
16P_President	55.61%	Clinton	D	0.463129908
16P_President	0.86%	DeLaFuente	D	0.019431625
16P_President	43.53%	Sanders	D	0.517438471
16P_US_Senate	19.49%	Fetterman	D	0.222032994
16P_US_Senate	42.50%	McGinty	D	0.438731551
16P_US_Senate	32.57%	Sestak	D	0.279177457
16P_US_Senate	5.45%	Vodvarka	D	0.06005799

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.330180675
17G_Supreme_Court		Mundy	R	0.669819355
18G_Governor	57.77%	Wolf	D	0.399169296
18G_Governor	40.70%	Wagner	R	0.600830674
18G_US_Senator		Casey	D	0.399545074
18G_US_Senator		Barletta	R	0.600454926
18P_Lt_Governor	23.78%	Ahmad	D	0.13143076
18P_Lt_Governor	18.55%	Cozzone	D	0.223988995
18P_Lt_Governor	37.48%	Fetterman	D	0.527994633
18P_Lt_Governor	3.58%	Sosa	D	0.037432812
18P_Lt_Governor	16.62%	Stack	D	0.0791528
20G_AG		Shapiro	D	0.329571128
20G_AG		Heidelbaugh	R	0.670428872
20G_Auditor	46.35%	Ahmad	D	0.281817973
20G_Auditor	49.44%	Defoor	R	0.718182027
20G_President	50.01%	Biden	D	0.29647544
20G_President	48.84%	Trump	R	0.70352459
20G_Treasurer		Torsella	D	0.301199019
20G_Treasurer		Garrity	R	0.698800981
20P_Auditor	36.44%	Ahmad	D	0.091622174
20P_Auditor	7.47%	Conklin	D	0.436496824
20P_Auditor	5.99%	Davis	D	0.038735982
20P_Auditor	9.00%	Fountain	D	0.053940117
20P_Auditor	13.97%	Hartman	D	0.075761504
20P_Auditor	27.14%	Lamb	D	0.303443402
20P_President	79.26%	Biden	D	0.749797106
20P_President	2.70%	Gabbard	D	0.055760942
20P_President	18.04%	Sanders	D	0.194441944

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.506987989
12G_AG	41.56%	Freed	R	0.493011981
12G_Auditor		Depasquale	D	0.445156127
12G_Auditor		Maher	R	0.554843843
12G_President		Obama	D	0.460634291
12G_President		Romney	R	0.539365709
12G_Treasurer		McCord	D	0.485492676
12G_Treasurer		Vaughan	R	0.514507353
12G_US_Senate	53.69%	Casey	D	0.469516307
12G_US_Senate	44.59%	Smith	R	0.530483663
12P_AG	52.82%	Kane	D	0.681114137
12P_AG	47.18%	Murphy	D	0.318885863
12P_US_Senate	80.88%	Casey	D	0.773005366
12P_US_Senate	19.12%	Vodvarka	D	0.226994649
14G_Governor	54.93%	Wolf	D	0.481676102
14G_Governor	45.07%	Corbett	R	0.518323898
14P_Governor	16.84%	McCord	D	0.253220052
14P_Governor	7.66%	McGinty	D	0.089430891
14P_Governor	17.64%	Schwartz	D	0.07342194
14P_Governor	57.86%	Wolf	D	0.583927095
14P_Lt_Governor	15.88%	Critz	D	0.173023701
14P_Lt_Governor	11.91%	Koplinski	D	0.097192168
14P_Lt_Governor	10.84%	Neuman	D	0.219493791
14P_Lt_Governor	14.57%	Smith	D	0.296281397
14P_Lt_Governor	46.79%	Stack	D	0.214008957
16G_AG	51.39%	Shapiro	D	0.418335855
16G_AG	48.61%	Rafferty	R	0.581664145
16G_Auditor		Depasquale	D	0.436208367
16G_Auditor		Brown	R	0.563791633
16G_President	47.85%	Clinton	D	0.384671092
16G_President	48.58%	Trump	R	0.615328908
16G_Treasurer		Torsella	D	0.453948528
16G_Treasurer		Voit	R	0.546051443
16G_US_Senate	47.34%	McGinty	D	0.393165737
16G_US_Senate	48.77%	Toomey	R	0.606834292
16P_AG	16.22%	Morganelli	D	0.167065009
16P_AG	47.03%	Shapiro	D	0.365951329
16P_AG	36.74%	Zappala	D	0.466983676
16P_President	55.61%	Clinton	D	0.531418741
16P_President	0.86%	DeLaFuente	D	0.012461347
16P_President	43.53%	Sanders	D	0.456119895
16P_US_Senate	19.49%	Fetterman	D	0.2431463
16P_US_Senate	42.50%	McGinty	D	0.377159536
16P_US_Senate	32.57%	Sestak	D	0.308760047
16P_US_Senate	5.45%	Vodvarka	D	0.070934109

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.396563202
17G_Supreme_Court		Mundy	R	0.603436768
18G_Governor	57.77%	Wolf	D	0.493844092
18G_Governor	40.70%	Wagner	R	0.506155908
18G_US_Senator		Casey	D	0.479030281
18G_US_Senator		Barletta	R	0.520969689
18P_Lt_Governor	23.78%	Ahmad	D	0.102329619
18P_Lt_Governor	18.55%	Cozzone	D	0.193956271
18P_Lt_Governor	37.48%	Fetterman	D	0.627694905
18P_Lt_Governor	3.58%	Sosa	D	0.02493103
18P_Lt_Governor	16.62%	Stack	D	0.051088177
20G_AG		Shapiro	D	0.431184709
20G_AG		Heidelbaugh	R	0.568815291
20G_Auditor	46.35%	Ahmad	D	0.378018975
20G_Auditor	49.44%	Defoor	R	0.621981025
20G_President	50.01%	Biden	D	0.395584226
20G_President	48.84%	Trump	R	0.604415774
20G_Treasurer		Torsella	D	0.394842327
20G_Treasurer		Garrity	R	0.605157673
20P_Auditor	36.44%	Ahmad	D	0.126989886
20P_Auditor	7.47%	Conklin	D	0.076890908
20P_Auditor	5.99%	Davis	D	0.050294127
20P_Auditor	9.00%	Fountain	D	0.064247683
20P_Auditor	13.97%	Hartman	D	0.098051243
20P_Auditor	27.14%	Lamb	D	0.583526194
20P_President	79.26%	Biden	D	0.793524027
20P_President	2.70%	Gabbard	D	0.036792152
20P_President	18.04%	Sanders	D	0.169683799

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.604880691
12G_AG	41.56%	Freed	R	0.395119339
12G_Auditor		Depasquale	D	0.555384576
12G_Auditor		Maher	R	0.444615424
12G_President		Obama	D	0.533016145
12G_President		Romney	R	0.466983855
12G_Treasurer		McCord	D	0.581485629
12G_Treasurer		Vaughan	R	0.418514371
12G_US_Senate	53.69%	Casey	D	0.571484208
12G_US_Senate	44.59%	Smith	R	0.428515762
12P_AG	52.82%	Kane	D	0.542237759
12P_AG	47.18%	Murphy	D	0.457762241
12P_US_Senate	80.88%	Casey	D	0.702094793
12P_US_Senate	19.12%	Vodvarka	D	0.297905177
14G_Governor	54.93%	Wolf	D	0.560140252
14G_Governor	45.07%	Corbett	R	0.439859748
14P_Governor	16.84%	McCord	D	0.167218328
14P_Governor	7.66%	McGinty	D	0.104730383
14P_Governor	17.64%	Schwartz	D	0.106529981
14P_Governor	57.86%	Wolf	D	0.621521294
14P_Lt_Governor	15.88%	Critz	D	0.318325073
14P_Lt_Governor	11.91%	Koplinski	D	0.043396946
14P_Lt_Governor	10.84%	Neuman	D	0.255602121
14P_Lt_Governor	14.57%	Smith	D	0.077823572
14P_Lt_Governor	46.79%	Stack	D	0.304852277
16G_AG	51.39%	Shapiro	D	0.550493717
16G_AG	48.61%	Rafferty	R	0.449506283
16G_Auditor		Depasquale	D	0.6146667
16G_Auditor		Brown	R	0.385333329
16G_President	47.85%	Clinton	D	0.516211629
16G_President	48.58%	Trump	R	0.483788341
16G_Treasurer		Torsella	D	0.593349218
16G_Treasurer		Voit	R	0.406650752
16G_US_Senate	47.34%	McGinty	D	0.525717676
16G_US_Senate	48.77%	Toomey	R	0.474282324
16P_AG	16.22%	Morganelli	D	0.046153598
16P_AG	47.03%	Shapiro	D	0.188248158
16P_AG	36.74%	Zappala	D	0.765598238
16P_President	55.61%	Clinton	D	0.551784873
16P_President	0.86%	DeLaFuente	D	0.011056903
16P_President	43.53%	Sanders	D	0.437158197
16P_US_Senate	19.49%	Fetterman	D	0.38376385
16P_US_Senate	42.50%	McGinty	D	0.357162178
16P_US_Senate	32.57%	Sestak	D	0.191102564
16P_US_Senate	5.45%	Vodvarka	D	0.067971431

**Reconstituted Election Results for the Proposed Congressional Plan of the Senate Democrats (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.570115268
17G_Supreme_Court		Mundy	R	0.429884702
18G_Governor	57.77%	Wolf	D	0.633426428
18G_Governor	40.70%	Wagner	R	0.366573572
18G_US_Senator		Casey	D	0.616071641
18G_US_Senator		Barletta	R	0.383928359
18P_Lt_Governor	23.78%	Ahmad	D	0.107429348
18P_Lt_Governor	18.55%	Cozzone	D	0.079827383
18P_Lt_Governor	37.48%	Fetterman	D	0.770908773
18P_Lt_Governor	3.58%	Sosa	D	0.011084786
18P_Lt_Governor	16.62%	Stack	D	0.030749705
20G_AG		Shapiro	D	0.586149275
20G_AG		Heidelbaugh	R	0.413850754
20G_Auditor	46.35%	Ahmad	D	0.527183115
20G_Auditor	49.44%	Defoor	R	0.472816914
20G_President	50.01%	Biden	D	0.533925414
20G_President	48.84%	Trump	R	0.466074556
20G_Treasurer		Torsella	D	0.539407253
20G_Treasurer		Garrity	R	0.460592777
20P_Auditor	36.44%	Ahmad	D	0.10287457
20P_Auditor	7.47%	Conklin	D	0.015730007
20P_Auditor	5.99%	Davis	D	0.016531223
20P_Auditor	9.00%	Fountain	D	0.036054745
20P_Auditor	13.97%	Hartman	D	0.030487107
20P_Auditor	27.14%	Lamb	D	0.79832238
20P_President	79.26%	Biden	D	0.772765398
20P_President	2.70%	Gabbard	D	0.039841995
20P_President	18.04%	Sanders	D	0.187392637

House Democrats

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.532120705
12G_AG	41.56%	Freed	R	0.467879266
12G_Auditor		Depasquale	D	0.483204842
12G_Auditor		Maher	R	0.516795158
12G_President		Obama	D	0.511151016
12G_President		Romney	R	0.488848984
12G_Treasurer		McCord	D	0.509447038
12G_Treasurer		Vaughan	R	0.490552962
12G_US_Senate	53.69%	Casey	D	0.530368567
12G_US_Senate	44.59%	Smith	R	0.469631404
12P_AG	52.82%	Kane	D	0.318685621
12P_AG	47.18%	Murphy	D	0.681314349
12P_US_Senate	80.88%	Casey	D	0.859721363
12P_US_Senate	19.12%	Vodvarka	D	0.140278652
14G_Governor	54.93%	Wolf	D	0.536149442
14G_Governor	45.07%	Corbett	R	0.463850558
14P_Governor	16.84%	McCord	D	0.149879277
14P_Governor	7.66%	McGinty	D	0.051046278
14P_Governor	17.64%	Schwartz	D	0.344627768
14P_Governor	57.86%	Wolf	D	0.454446673
14P_Lt_Governor	15.88%	Critz	D	0.031667277
14P_Lt_Governor	11.91%	Koplinski	D	0.116311505
14P_Lt_Governor	10.84%	Neuman	D	0.059676237
14P_Lt_Governor	14.57%	Smith	D	0.124817081
14P_Lt_Governor	46.79%	Stack	D	0.667527914
16G_AG	51.39%	Shapiro	D	0.53335017
16G_AG	48.61%	Rafferty	R	0.466649801
16G_Auditor		Depasquale	D	0.492593706
16G_Auditor		Brown	R	0.507406294
16G_President	47.85%	Clinton	D	0.531663239
16G_President	48.58%	Trump	R	0.468336761
16G_Treasurer		Torsella	D	0.519777119
16G_Treasurer		Voit	R	0.480222881
16G_US_Senate	47.34%	McGinty	D	0.489420325
16G_US_Senate	48.77%	Toomey	R	0.510579705
16P_AG	16.22%	Morganelli	D	0.124436513
16P_AG	47.03%	Shapiro	D	0.70940876
16P_AG	36.74%	Zappala	D	0.166154712
16P_President	55.61%	Clinton	D	0.569195688
16P_President	0.86%	DeLaFuente	D	0.007233189
16P_President	43.53%	Sanders	D	0.42357114
16P_US_Senate	19.49%	Fetterman	D	0.103454739
16P_US_Senate	42.50%	McGinty	D	0.440008283
16P_US_Senate	32.57%	Sestak	D	0.432785004
16P_US_Senate	5.45%	Vodvarka	D	0.023751961

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.513086379
17G_Supreme_Court		Mundy	R	0.486913592
18G_Governor	57.77%	Wolf	D	0.616265953
18G_Governor	40.70%	Wagner	R	0.383734047
18G_US_Senator		Casey	D	0.594118536
18G_US_Senator		Barletta	R	0.405881494
18P_Lt_Governor	23.78%	Ahmad	D	0.298159868
18P_Lt_Governor	18.55%	Cozzone	D	0.185968339
18P_Lt_Governor	37.48%	Fetterman	D	0.217128843
18P_Lt_Governor	3.58%	Sosa	D	0.101455986
18P_Lt_Governor	16.62%	Stack	D	0.197286963
20G_AG		Shapiro	D	0.558556259
20G_AG		Heidelbaugh	R	0.441443741
20G_Auditor	46.35%	Ahmad	D	0.512287676
20G_Auditor	49.44%	Defoor	R	0.487712324
20G_President	50.01%	Biden	D	0.55430454
20G_President	48.84%	Trump	R	0.44569546
20G_Treasurer		Torsella	D	0.533514321
20G_Treasurer		Garrity	R	0.466485649
20P_Auditor	36.44%	Ahmad	D	0.601233959
20P_Auditor	7.47%	Conklin	D	0.044736061
20P_Auditor	5.99%	Davis	D	0.041622493
20P_Auditor	9.00%	Fountain	D	0.086731039
20P_Auditor	13.97%	Hartman	D	0.151065394
20P_Auditor	27.14%	Lamb	D	0.074611045
20P_President	79.26%	Biden	D	0.823037863
20P_President	2.70%	Gabbard	D	0.018069251
20P_President	18.04%	Sanders	D	0.158892885

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.747203112
12G_AG	41.56%	Freed	R	0.252796888
12G_Auditor		Depasquale	D	0.708860636
12G_Auditor		Maher	R	0.291139334
12G_President		Obama	D	0.725134015
12G_President		Romney	R	0.274866015
12G_Treasurer		McCord	D	0.738333523
12G_Treasurer		Vaughan	R	0.261666447
12G_US_Senate	53.69%	Casey	D	0.745499551
12G_US_Senate	44.59%	Smith	R	0.254500449
12P_AG	52.82%	Kane	D	0.340510339
12P_AG	47.18%	Murphy	D	0.659489632
12P_US_Senate	80.88%	Casey	D	0.798659444
12P_US_Senate	19.12%	Vodvarka	D	0.201340571
14G_Governor	54.93%	Wolf	D	0.743336737
14G_Governor	45.07%	Corbett	R	0.256663263
14P_Governor	16.84%	McCord	D	0.133802146
14P_Governor	7.66%	McGinty	D	0.053471576
14P_Governor	17.64%	Schwartz	D	0.32189092
14P_Governor	57.86%	Wolf	D	0.490835339
14P_Lt_Governor	15.88%	Critz	D	0.037290715
14P_Lt_Governor	11.91%	Koplinski	D	0.03498647
14P_Lt_Governor	10.84%	Neuman	D	0.03483849
14P_Lt_Governor	14.57%	Smith	D	0.060037207
14P_Lt_Governor	46.79%	Stack	D	0.832847118
15G_Mayor		Kenney	D	0.74461025
15G_Mayor		Bailey	R	0.24378708
15G_Mayor		Foster	U	0.006402383
15G_Mayor		Hart	U	0.003880628
15G_Mayor		Kindij	U	0.001319675
15G_Sheriff		Williams	D	0.625908792
15G_Sheriff		Sawyer	R	0.374091208
15P_Mayor		Abraham	D	0.13565518
15P_Mayor		Diaz	D	0.065936677
15P_Mayor		Kenney	D	0.633542717
15P_Mayor		Oliver	D	0.027485482
15P_Mayor		Street	D	0.01091824
15P_Mayor		Williams	D	0.1264617
16G_AG	51.39%	Shapiro	D	0.715469003
16G_AG	48.61%	Rafferty	R	0.284530967
16G_Auditor		Depasquale	D	0.69833225
16G_Auditor		Brown	R	0.30166775
16G_Congress_Dist1		Brady	D	0.798969865
16G_Congress_Dist1		Williams	R	0.20103015
16G_President	47.85%	Clinton	D	0.686840475

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.313159525
16G_Treasurer		Torsella	D	0.730578542
16G_Treasurer		Voit	R	0.269421458
16G_US_Senate	47.34%	McGinty	D	0.677069724
16G_US_Senate	48.77%	Toomey	R	0.322930247
16P_AG	16.22%	Morganelli	D	0.136471346
16P_AG	47.03%	Shapiro	D	0.512773812
16P_AG	36.74%	Zappala	D	0.350754827
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.587326407
16P_President	0.86%	DeLaFuente	D	0.009050054
16P_President	43.53%	Sanders	D	0.403623551
16P_US_Senate	19.49%	Fetterman	D	0.187471971
16P_US_Senate	42.50%	McGinty	D	0.389082283
16P_US_Senate	32.57%	Sestak	D	0.306483984
16P_US_Senate	5.45%	Vodvarka	D	0.116961747
17G_Supreme_Court		Woodruff	D	0.567197621
17G_Supreme_Court		Mundy	R	0.432802379
17P_DA		Deni	D	0.022232279
17P_DA		Khan	D	0.209566101
17P_DA		Krasner	D	0.262346566
17P_DA		Negrin	D	0.202579618
17P_DA		ONeill	D	0.129179165
17P_DA		Shabazz	D	0.055580698
17P_DA		Untermeyer	D	0.118515588
18G_Congress_Dist2		Boyle	D	0.761673629
18G_Congress_Dist2		Torres	R	0.238326371
18G_Congress_Dist3		Evans	D	0.848085046
18G_Congress_Dist3		Leib	R	0.151914969
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.752640009
18G_Governor	40.70%	Wagner	R	0.247359976
18G_US_Senator		Casey	D	0.744392931
18G_US_Senator		Barletta	R	0.255607069
18P_Congress_Dist2		Boyle	D	0.683070362
18P_Congress_Dist2		Lawrence	D	0.316929668
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.199962631
18P_Lt_Governor	18.55%	Cozzone	D	0.161849096
18P_Lt_Governor	37.48%	Fetterman	D	0.176021561
18P_Lt_Governor	3.58%	Sosa	D	0.021779167
18P_Lt_Governor	16.62%	Stack	D	0.440387547
19P_Mayor		Butkovitz	D	0.188201278
19P_Mayor		Kenney	D	0.605503201
19P_Mayor		Williams	D	0.206295505
19P_Municipal_Judge		Brunson	D	0.419986248
19P_Municipal_Judge		Conroy	D	0.580013752
19P_Register_Wills		Donatucci	D	0.452788413
19P_Register_Wills		Gordon	D	0.405173093
19P_Register_Wills		Whaumbush	D	0.142038494
20G_AG		Shapiro	D	0.679478228
20G_AG		Heidelbaugh	R	0.320521772
20G_Auditor	46.35%	Ahmad	D	0.654626966
20G_Auditor	49.44%	Defoor	R	0.345373034
20G_Congress_Dist2		Boyle	D	0.695582926
20G_Congress_Dist2		Torres	R	0.304417104
20G_President	50.01%	Biden	D	0.653734684
20G_President	48.84%	Trump	R	0.346265316
20G_Treasurer		Torsella	D	0.66512692
20G_Treasurer		Garrity	R	0.33487305
20P_Auditor	36.44%	Ahmad	D	0.685198963
20P_Auditor	7.47%	Conklin	D	0.037512291
20P_Auditor	5.99%	Davis	D	0.056652196
20P_Auditor	9.00%	Fountain	D	0.055141151
20P_Auditor	13.97%	Hartman	D	0.070923179
20P_Auditor	27.14%	Lamb	D	0.094572231
20P_President	79.26%	Biden	D	0.779905319
20P_President	2.70%	Gabbard	D	0.025340319
20P_President	18.04%	Sanders	D	0.194754377
21G_Superior_Judge		Lane	D	0.57531184
21G_Superior_Judge		Sullivan	R	0.42468819
21P_DA		Krasner	D	0.424779266
21P_DA		Vega	D	0.575220764
21P_Superior_Judge		Beck	D	0.194580883
21P_Superior_Judge		Lane	D	0.750381887
21P_Superior_Judge		Neft	D	0.055037249

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.90702188
12G_AG	41.56%	Freed	R	0.092978097
12G_Auditor		Depasquale	D	0.891995609
12G_Auditor		Maher	R	0.108004421
12G_President		Obama	D	0.901468039
12G_President		Romney	R	0.098531969
12G_Treasurer		McCord	D	0.901960552
12G_Treasurer		Vaughan	R	0.098039456
12G_US_Senate	53.69%	Casey	D	0.908005953
12G_US_Senate	44.59%	Smith	R	0.091994055
12P_AG	52.82%	Kane	D	0.379013479
12P_AG	47.18%	Murphy	D	0.620986521
12P_US_Senate	80.88%	Casey	D	0.808869958
12P_US_Senate	19.12%	Vodvarka	D	0.191130057
14G_Governor	54.93%	Wolf	D	0.921199203
14G_Governor	45.07%	Corbett	R	0.078800805
14P_Governor	16.84%	McCord	D	0.161905766
14P_Governor	7.66%	McGinty	D	0.036009476
14P_Governor	17.64%	Schwartz	D	0.325317174
14P_Governor	57.86%	Wolf	D	0.47676757
14P_Lt_Governor	15.88%	Critz	D	0.035653114
14P_Lt_Governor	11.91%	Koplinski	D	0.036811747
14P_Lt_Governor	10.84%	Neuman	D	0.041584808
14P_Lt_Governor	14.57%	Smith	D	0.062566116
14P_Lt_Governor	46.79%	Stack	D	0.823384225
15G_Mayor		Kenney	D	0.894446969
15G_Mayor		Bailey	R	0.089785412
15G_Mayor		Foster	U	0.008288707
15G_Mayor		Hart	U	0.006050374
15G_Mayor		Kindij	U	0.00142856
15G_Sheriff		Williams	D	0.842677653
15G_Sheriff		Sawyer	R	0.157322362
15P_Mayor		Abraham	D	0.071789816
15P_Mayor		Diaz	D	0.029074501
15P_Mayor		Kenney	D	0.571920574
15P_Mayor		Oliver	D	0.049954057
15P_Mayor		Street	D	0.018070715
15P_Mayor		Williams	D	0.259190381
16G_AG	51.39%	Shapiro	D	0.888879418
16G_AG	48.61%	Rafferty	R	0.111120559
16G_Auditor		Depasquale	D	0.885712087
16G_Auditor		Brown	R	0.114287905
16G_Congress_Dist1		Brady	D	0.799331844
16G_Congress_Dist1		Williams	R	0.200668156
16G_President	47.85%	Clinton	D	0.899038017

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.100961983
16G_Treasurer		Torsella	D	0.894299805
16G_Treasurer		Voit	R	0.10570018
16G_US_Senate	47.34%	McGinty	D	0.87653482
16G_US_Senate	48.77%	Toomey	R	0.123465158
16P_AG	16.22%	Morganelli	D	0.092043459
16P_AG	47.03%	Shapiro	D	0.613155961
16P_AG	36.74%	Zappala	D	0.294800609
16P_Congress_Dist2		Evans	D	0.448499978
16P_Congress_Dist2		Fattah	D	0.34268406
16P_Congress_Dist2		Gordon	D	0.11550796
16P_Congress_Dist2		Muroff	D	0.093308017
16P_President	55.61%	Clinton	D	0.628947258
16P_President	0.86%	DeLaFuente	D	0.002788541
16P_President	43.53%	Sanders	D	0.368264198
16P_US_Senate	19.49%	Fetterman	D	0.180227771
16P_US_Senate	42.50%	McGinty	D	0.456365168
16P_US_Senate	32.57%	Sestak	D	0.264158368
16P_US_Senate	5.45%	Vodvarka	D	0.0992487
17G_Supreme_Court		Woodruff	D	0.879715383
17G_Supreme_Court		Mundy	R	0.120284609
17P_DA		Deni	D	0.013146569
17P_DA		Khan	D	0.214577019
17P_DA		Krasner	D	0.423436344
17P_DA		Negrin	D	0.129908189
17P_DA		ONeill	D	0.039388474
17P_DA		Shabazz	D	0.1149377
17P_DA		Untermeyer	D	0.064605705
18G_Congress_Dist2		Boyle	D	0.960686028
18G_Congress_Dist2		Torres	R	0.039313994
18G_Congress_Dist3		Evans	D	0.925182939
18G_Congress_Dist3		Leib	R	0.074817076
18G_Congress_Dist5		Scanlon	D	0.674509048
18G_Congress_Dist5		Kim	R	0.325490981
18G_Governor	57.77%	Wolf	D	0.92428565
18G_Governor	40.70%	Wagner	R	0.075714342
18G_US_Senator		Casey	D	0.920656443
18G_US_Senator		Barletta	R	0.079343557
18P_Congress_Dist2		Boyle	D	0.478740871
18P_Congress_Dist2		Lawrence	D	0.521259129
18P_Congress_Dist5		Arata	D	0.015374332
18P_Congress_Dist5		Davidson	D	0.004010695
18P_Congress_Dist5		Kirkland	D	0.003609626
18P_Congress_Dist5		Lazer	D	0.495320857
18P_Congress_Dist5		Li	D	0.109224603
18P_Congress_Dist5		Lunkenheimer	D	0.065240644
18P_Congress_Dist5		Scanlon	D	0.098128341

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.135828882
18P_Congress_Dist5		Vitali	D	0.040106952
18P_Congress_Dist5		Wright	D	0.03315508
18P_Lt_Governor	23.78%	Ahmad	D	0.320336401
18P_Lt_Governor	18.55%	Cozzone	D	0.15140754
18P_Lt_Governor	37.48%	Fetterman	D	0.19028151
18P_Lt_Governor	3.58%	Sosa	D	0.008760659
18P_Lt_Governor	16.62%	Stack	D	0.329213887
19P_Mayor		Butkovitz	D	0.062094897
19P_Mayor		Kenney	D	0.719558656
19P_Mayor		Williams	D	0.218346447
19P_Municipal_Judge		Brunson	D	0.438325077
19P_Municipal_Judge		Conroy	D	0.561674953
19P_Register_Wills		Donatucci	D	0.390321314
19P_Register_Wills		Gordon	D	0.44239381
19P_Register_Wills		Whaumbush	D	0.167284891
20G_AG		Shapiro	D	0.883491039
20G_AG		Heidelbaugh	R	0.116508983
20G_Auditor	46.35%	Ahmad	D	0.8748312
20G_Auditor	49.44%	Defoor	R	0.1251688
20G_Congress_Dist2		Boyle	D	0.926052511
20G_Congress_Dist2		Torres	R	0.073947474
20G_President	50.01%	Biden	D	0.883775473
20G_President	48.84%	Trump	R	0.116224557
20G_Treasurer		Torsella	D	0.875806153
20G_Treasurer		Garrity	R	0.124193877
20P_Auditor	36.44%	Ahmad	D	0.736327767
20P_Auditor	7.47%	Conklin	D	0.024217289
20P_Auditor	5.99%	Davis	D	0.043792676
20P_Auditor	9.00%	Fountain	D	0.06250076
20P_Auditor	13.97%	Hartman	D	0.038362876
20P_Auditor	27.14%	Lamb	D	0.094798625
20P_President	79.26%	Biden	D	0.788760006
20P_President	2.70%	Gabbard	D	0.011535134
20P_President	18.04%	Sanders	D	0.199704841
21G_Superior_Judge		Lane	D	0.885921896
21G_Superior_Judge		Sullivan	R	0.114078082
21P_DA		Krasner	D	0.747340322
21P_DA		Vega	D	0.252659678
21P_Superior_Judge		Beck	D	0.109666817
21P_Superior_Judge		Lane	D	0.864247322
21P_Superior_Judge		Neft	D	0.026085844

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.572484255
12G_AG	41.56%	Freed	R	0.427515745
12G_Auditor		Depasquale	D	0.520687342
12G_Auditor		Maher	R	0.479312629
12G_President		Obama	D	0.554269731
12G_President		Romney	R	0.445730299
12G_Treasurer		McCord	D	0.55260098
12G_Treasurer		Vaughan	R	0.44739905
12G_US_Senate	53.69%	Casey	D	0.571746767
12G_US_Senate	44.59%	Smith	R	0.428253233
12P_AG	52.82%	Kane	D	0.397715241
12P_AG	47.18%	Murphy	D	0.602284789
12P_US_Senate	80.88%	Casey	D	0.864245594
12P_US_Senate	19.12%	Vodvarka	D	0.135754406
14G_Governor	54.93%	Wolf	D	0.580018163
14G_Governor	45.07%	Corbett	R	0.419981867
14P_Governor	16.84%	McCord	D	0.170034662
14P_Governor	7.66%	McGinty	D	0.041854996
14P_Governor	17.64%	Schwartz	D	0.334069759
14P_Governor	57.86%	Wolf	D	0.454040587
14P_Lt_Governor	15.88%	Critz	D	0.035594679
14P_Lt_Governor	11.91%	Koplinski	D	0.106664434
14P_Lt_Governor	10.84%	Neuman	D	0.05898957
14P_Lt_Governor	14.57%	Smith	D	0.147928432
14P_Lt_Governor	46.79%	Stack	D	0.650822878
16G_AG	51.39%	Shapiro	D	0.551566541
16G_AG	48.61%	Rafferty	R	0.448433459
16G_Auditor		Depasquale	D	0.526832402
16G_Auditor		Brown	R	0.473167598
16G_President	47.85%	Clinton	D	0.569324732
16G_President	48.58%	Trump	R	0.430675238
16G_Treasurer		Torsella	D	0.560054839
16G_Treasurer		Voit	R	0.439945191
16G_US_Senate	47.34%	McGinty	D	0.526251078
16G_US_Senate	48.77%	Toomey	R	0.473748922
16P_AG	16.22%	Morganelli	D	0.085535385
16P_AG	47.03%	Shapiro	D	0.764655888
16P_AG	36.74%	Zappala	D	0.149808735
16P_President	55.61%	Clinton	D	0.56920439
16P_President	0.86%	DeLaFuente	D	0.004347619
16P_President	43.53%	Sanders	D	0.426448017
16P_US_Senate	19.49%	Fetterman	D	0.101247527
16P_US_Senate	42.50%	McGinty	D	0.438961387
16P_US_Senate	32.57%	Sestak	D	0.448832929
16P_US_Senate	5.45%	Vodvarka	D	0.010958145

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.537281096
17G_Supreme_Court		Mundy	R	0.462718934
18G_Governor	57.77%	Wolf	D	0.649257779
18G_Governor	40.70%	Wagner	R	0.350742221
18G_US_Senator		Casey	D	0.629988134
18G_US_Senator		Barletta	R	0.370011866
18P_Lt_Governor	23.78%	Ahmad	D	0.313054055
18P_Lt_Governor	18.55%	Cozzone	D	0.174295172
18P_Lt_Governor	37.48%	Fetterman	D	0.252882093
18P_Lt_Governor	3.58%	Sosa	D	0.121371232
18P_Lt_Governor	16.62%	Stack	D	0.13839744
20G_AG		Shapiro	D	0.594105661
20G_AG		Heidelbaugh	R	0.405894309
20G_Auditor	46.35%	Ahmad	D	0.556533813
20G_Auditor	49.44%	Defoor	R	0.443466157
20G_President	50.01%	Biden	D	0.59296298
20G_President	48.84%	Trump	R	0.40703702
20G_Treasurer		Torsella	D	0.572287261
20G_Treasurer		Garrity	R	0.427712709
20P_Auditor	36.44%	Ahmad	D	0.566223383
20P_Auditor	7.47%	Conklin	D	0.047196131
20P_Auditor	5.99%	Davis	D	0.044508509
20P_Auditor	9.00%	Fountain	D	0.078499027
20P_Auditor	13.97%	Hartman	D	0.192783415
20P_Auditor	27.14%	Lamb	D	0.070789546
20P_President	79.26%	Biden	D	0.816098213
20P_President	2.70%	Gabbard	D	0.016781719
20P_President	18.04%	Sanders	D	0.167120069

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.699640274
12G_AG	41.56%	Freed	R	0.300359696
12G_Auditor		Depasquale	D	0.661827326
12G_Auditor		Maher	R	0.338172674
12G_President		Obama	D	0.701501667
12G_President		Romney	R	0.298498303
12G_Treasurer		McCord	D	0.680065334
12G_Treasurer		Vaughan	R	0.319934636
12G_US_Senate	53.69%	Casey	D	0.709680974
12G_US_Senate	44.59%	Smith	R	0.290319055
12P_AG	52.82%	Kane	D	0.367403597
12P_AG	47.18%	Murphy	D	0.632596374
12P_US_Senate	80.88%	Casey	D	0.825831115
12P_US_Senate	19.12%	Vodvarka	D	0.174168885
14G_Governor	54.93%	Wolf	D	0.692947268
14G_Governor	45.07%	Corbett	R	0.307052702
14P_Governor	16.84%	McCord	D	0.163166508
14P_Governor	7.66%	McGinty	D	0.04775041
14P_Governor	17.64%	Schwartz	D	0.278902978
14P_Governor	57.86%	Wolf	D	0.510180116
14P_Lt_Governor	15.88%	Critz	D	0.039709851
14P_Lt_Governor	11.91%	Koplinski	D	0.066622704
14P_Lt_Governor	10.84%	Neuman	D	0.045830157
14P_Lt_Governor	14.57%	Smith	D	0.10447792
14P_Lt_Governor	46.79%	Stack	D	0.743359387
15G_Mayor		Kenney	D	0.952804744
15G_Mayor		Bailey	R	0.036978733
15G_Mayor		Foster	U	0.004401465
15G_Mayor		Hart	U	0.00472274
15G_Mayor		Kindij	U	0.001092334
15G_Sheriff		Williams	D	0.951203704
15G_Sheriff		Sawyer	R	0.048796285
15P_Mayor		Abraham	D	0.042981867
15P_Mayor		Diaz	D	0.0170047
15P_Mayor		Kenney	D	0.380899936
15P_Mayor		Oliver	D	0.040564138
15P_Mayor		Street	D	0.022189388
15P_Mayor		Williams	D	0.496359974
16G_AG	51.39%	Shapiro	D	0.67152828
16G_AG	48.61%	Rafferty	R	0.32847169
16G_Auditor		Depasquale	D	0.65941298
16G_Auditor		Brown	R	0.34058705
16G_Congress_Dist1		Brady	D	0.958926439
16G_Congress_Dist1		Williams	R	0.041073542
16G_President	47.85%	Clinton	D	0.700759649

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.299240381
16G_Treasurer		Torsella	D	0.679021239
16G_Treasurer		Voit	R	0.320978791
16G_US_Senate	47.34%	McGinty	D	0.657436371
16G_US_Senate	48.77%	Toomey	R	0.342563629
16P_AG	16.22%	Morganelli	D	0.108740352
16P_AG	47.03%	Shapiro	D	0.581893623
16P_AG	36.74%	Zappala	D	0.309366047
16P_Congress_Dist2		Evans	D	0.361215442
16P_Congress_Dist2		Fattah	D	0.509516776
16P_Congress_Dist2		Gordon	D	0.096433848
16P_Congress_Dist2		Muroff	D	0.03283393
16P_President	55.61%	Clinton	D	0.631496549
16P_President	0.86%	DeLaFuente	D	0.003569208
16P_President	43.53%	Sanders	D	0.364934266
16P_US_Senate	19.49%	Fetterman	D	0.101474829
16P_US_Senate	42.50%	McGinty	D	0.336135924
16P_US_Senate	32.57%	Sestak	D	0.493173063
16P_US_Senate	5.45%	Vodvarka	D	0.069216207
17G_Supreme_Court		Woodruff	D	0.581987977
17G_Supreme_Court		Mundy	R	0.418012053
17P_DA		Deni	D	0.011889272
17P_DA		Khan	D	0.140562609
17P_DA		Krasner	D	0.393512487
17P_DA		Negrin	D	0.099241778
17P_DA		ONeill	D	0.03732783
17P_DA		Shabazz	D	0.21808964
17P_DA		Untermeyer	D	0.099376373
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.981802821
18G_Congress_Dist3		Leib	R	0.018197207
18G_Congress_Dist5		Scanlon	D	0.953812122
18G_Congress_Dist5		Kim	R	0.046187896
18G_Governor	57.77%	Wolf	D	0.743095756
18G_Governor	40.70%	Wagner	R	0.256904274
18G_US_Senator		Casey	D	0.73094058
18G_US_Senator		Barletta	R	0.26905939
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.003199269
18P_Congress_Dist5		Davidson	D	0.050959781
18P_Congress_Dist5		Kirkland	D	0.063756853
18P_Congress_Dist5		Lazer	D	0.267367452
18P_Congress_Dist5		Li	D	0.150365636
18P_Congress_Dist5		Lunkenheimer	D	0.070612431
18P_Congress_Dist5		Scanlon	D	0.057586838

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.129113346
18P_Congress_Dist5		Vitali	D	0.042504571
18P_Congress_Dist5		Wright	D	0.164533824
18P_Lt_Governor	23.78%	Ahmad	D	0.340054721
18P_Lt_Governor	18.55%	Cozzone	D	0.226017743
18P_Lt_Governor	37.48%	Fetterman	D	0.150800094
18P_Lt_Governor	3.58%	Sosa	D	0.016118066
18P_Lt_Governor	16.62%	Stack	D	0.267009377
19P_Mayor		Butkovitz	D	0.037130252
19P_Mayor		Kenney	D	0.572613716
19P_Mayor		Williams	D	0.390256017
19P_Municipal_Judge		Brunson	D	0.509359121
19P_Municipal_Judge		Conroy	D	0.490640849
19P_Register_Wills		Donatucci	D	0.353334367
19P_Register_Wills		Gordon	D	0.493661642
19P_Register_Wills		Whaumbush	D	0.153003991
20G_AG		Shapiro	D	0.692885399
20G_AG		Heidelbaugh	R	0.307114601
20G_Auditor	46.35%	Ahmad	D	0.673242152
20G_Auditor	49.44%	Defoor	R	0.326757878
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.70567435
20G_President	48.84%	Trump	R	0.29432562
20G_Treasurer		Torsella	D	0.679712892
20G_Treasurer		Garrity	R	0.320287108
20P_Auditor	36.44%	Ahmad	D	0.703973413
20P_Auditor	7.47%	Conklin	D	0.034280825
20P_Auditor	5.99%	Davis	D	0.04654675
20P_Auditor	9.00%	Fountain	D	0.070289955
20P_Auditor	13.97%	Hartman	D	0.071976304
20P_Auditor	27.14%	Lamb	D	0.07293275
20P_President	79.26%	Biden	D	0.834783912
20P_President	2.70%	Gabbard	D	0.009911304
20P_President	18.04%	Sanders	D	0.155304775
21G_Superior_Judge		Lane	D	0.966576934
21G_Superior_Judge		Sullivan	R	0.03342307
21P_DA		Krasner	D	0.830231011
21P_DA		Vega	D	0.169768959
21P_Superior_Judge		Beck	D	0.082089208
21P_Superior_Judge		Lane	D	0.899030745
21P_Superior_Judge		Neft	D	0.018880058

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.535402417
12G_AG	41.56%	Freed	R	0.464597583
12G_Auditor		Depasquale	D	0.465084821
12G_Auditor		Maher	R	0.534915209
12G_President		Obama	D	0.514341295
12G_President		Romney	R	0.485658675
12G_Treasurer		McCord	D	0.500772297
12G_Treasurer		Vaughan	R	0.499227673
12G_US_Senate	53.69%	Casey	D	0.52853477
12G_US_Senate	44.59%	Smith	R	0.47146523
12P_AG	52.82%	Kane	D	0.452771664
12P_AG	47.18%	Murphy	D	0.547228336
12P_US_Senate	80.88%	Casey	D	0.856611371
12P_US_Senate	19.12%	Vodvarka	D	0.143388659
14G_Governor	54.93%	Wolf	D	0.52506566
14G_Governor	45.07%	Corbett	R	0.47493434
14P_Governor	16.84%	McCord	D	0.184485987
14P_Governor	7.66%	McGinty	D	0.088098966
14P_Governor	17.64%	Schwartz	D	0.175983056
14P_Governor	57.86%	Wolf	D	0.551432014
14P_Lt_Governor	15.88%	Critz	D	0.042229325
14P_Lt_Governor	11.91%	Koplinski	D	0.196130976
14P_Lt_Governor	10.84%	Neuman	D	0.053808887
14P_Lt_Governor	14.57%	Smith	D	0.158128023
14P_Lt_Governor	46.79%	Stack	D	0.549702764
16G_AG	51.39%	Shapiro	D	0.51101315
16G_AG	48.61%	Rafferty	R	0.48898682
16G_Auditor		Depasquale	D	0.491684794
16G_Auditor		Brown	R	0.508315206
16G_President	47.85%	Clinton	D	0.546862245
16G_President	48.58%	Trump	R	0.453137755
16G_Treasurer		Torsella	D	0.520235717
16G_Treasurer		Voit	R	0.479764313
16G_US_Senate	47.34%	McGinty	D	0.497846723
16G_US_Senate	48.77%	Toomey	R	0.502153277
16P_AG	16.22%	Morganelli	D	0.130254775
16P_AG	47.03%	Shapiro	D	0.648844838
16P_AG	36.74%	Zappala	D	0.220900387
16P_President	55.61%	Clinton	D	0.544640362
16P_President	0.86%	DeLaFuente	D	0.004581303
16P_President	43.53%	Sanders	D	0.450778335
16P_US_Senate	19.49%	Fetterman	D	0.079207279
16P_US_Senate	42.50%	McGinty	D	0.478183508
16P_US_Senate	32.57%	Sestak	D	0.423448861
16P_US_Senate	5.45%	Vodvarka	D	0.019160349

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.491025537
17G_Supreme_Court		Mundy	R	0.508974493
18G_Governor	57.77%	Wolf	D	0.619197845
18G_Governor	40.70%	Wagner	R	0.380802125
18G_US_Senator		Casey	D	0.599812388
18G_US_Senator		Barletta	R	0.400187641
18P_Lt_Governor	23.78%	Ahmad	D	0.190151117
18P_Lt_Governor	18.55%	Cozzone	D	0.556402802
18P_Lt_Governor	37.48%	Fetterman	D	0.152584851
18P_Lt_Governor	3.58%	Sosa	D	0.017410083
18P_Lt_Governor	16.62%	Stack	D	0.083451092
20G_AG		Shapiro	D	0.556051135
20G_AG		Heidelbaugh	R	0.443948835
20G_Auditor	46.35%	Ahmad	D	0.526218116
20G_Auditor	49.44%	Defoor	R	0.473781884
20G_President	50.01%	Biden	D	0.574634075
20G_President	48.84%	Trump	R	0.425365925
20G_Treasurer		Torsella	D	0.540973485
20G_Treasurer		Garrity	R	0.459026515
20P_Auditor	36.44%	Ahmad	D	0.380179644
20P_Auditor	7.47%	Conklin	D	0.040591132
20P_Auditor	5.99%	Davis	D	0.035352074
20P_Auditor	9.00%	Fountain	D	0.06897711
20P_Auditor	13.97%	Hartman	D	0.4125413
20P_Auditor	27.14%	Lamb	D	0.062358737
20P_President	79.26%	Biden	D	0.813930571
20P_President	2.70%	Gabbard	D	0.016158547
20P_President	18.04%	Sanders	D	0.169910863

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.563671768
12G_AG	41.56%	Freed	R	0.436328232
12G_Auditor		Depasquale	D	0.50871563
12G_Auditor		Maher	R	0.49128437
12G_President		Obama	D	0.529475391
12G_President		Romney	R	0.470524639
12G_Treasurer		McCord	D	0.537652135
12G_Treasurer		Vaughan	R	0.462347895
12G_US_Senate	53.69%	Casey	D	0.542174816
12G_US_Senate	44.59%	Smith	R	0.457825184
12P_AG	52.82%	Kane	D	0.49545145
12P_AG	47.18%	Murphy	D	0.50454855
12P_US_Senate	80.88%	Casey	D	0.820199132
12P_US_Senate	19.12%	Vodvarka	D	0.179800868
14G_Governor	54.93%	Wolf	D	0.546164811
14G_Governor	45.07%	Corbett	R	0.45383516
14P_Governor	16.84%	McCord	D	0.153237298
14P_Governor	7.66%	McGinty	D	0.062168308
14P_Governor	17.64%	Schwartz	D	0.151448071
14P_Governor	57.86%	Wolf	D	0.633146346
14P_Lt_Governor	15.88%	Critz	D	0.05454744
14P_Lt_Governor	11.91%	Koplinski	D	0.148192689
14P_Lt_Governor	10.84%	Neuman	D	0.073021427
14P_Lt_Governor	14.57%	Smith	D	0.230141371
14P_Lt_Governor	46.79%	Stack	D	0.494097084
16G_AG	51.39%	Shapiro	D	0.516706705
16G_AG	48.61%	Rafferty	R	0.483293265
16G_Auditor		Depasquale	D	0.494437158
16G_Auditor		Brown	R	0.505562842
16G_President	47.85%	Clinton	D	0.495078057
16G_President	48.58%	Trump	R	0.504921913
16G_Treasurer		Torsella	D	0.527119219
16G_Treasurer		Voit	R	0.472880781
16G_US_Senate	47.34%	McGinty	D	0.48451823
16G_US_Senate	48.77%	Toomey	R	0.51548177
16P_AG	16.22%	Morganelli	D	0.670830846
16P_AG	47.03%	Shapiro	D	0.242802799
16P_AG	36.74%	Zappala	D	0.086366363
16P_President	55.61%	Clinton	D	0.517741323
16P_President	0.86%	DeLaFuente	D	0.007692213
16P_President	43.53%	Sanders	D	0.47456646
16P_US_Senate	19.49%	Fetterman	D	0.108612269
16P_US_Senate	42.50%	McGinty	D	0.420317352
16P_US_Senate	32.57%	Sestak	D	0.431084365
16P_US_Senate	5.45%	Vodvarka	D	0.039986003

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.473935097
17G_Supreme_Court		Mundy	R	0.526064873
18G_Governor	57.77%	Wolf	D	0.588565707
18G_Governor	40.70%	Wagner	R	0.411434323
18G_US_Senator		Casey	D	0.560316741
18G_US_Senator		Barletta	R	0.439683288
18P_Lt_Governor	23.78%	Ahmad	D	0.295019448
18P_Lt_Governor	18.55%	Cozzone	D	0.238715336
18P_Lt_Governor	37.48%	Fetterman	D	0.187354162
18P_Lt_Governor	3.58%	Sosa	D	0.06315393
18P_Lt_Governor	16.62%	Stack	D	0.215757117
20G_AG		Shapiro	D	0.524864674
20G_AG		Heidelbaugh	R	0.475135326
20G_Auditor	46.35%	Ahmad	D	0.495647252
20G_Auditor	49.44%	Defoor	R	0.504352748
20G_President	50.01%	Biden	D	0.514404774
20G_President	48.84%	Trump	R	0.485595196
20G_Treasurer		Torsella	D	0.506869793
20G_Treasurer		Garrity	R	0.493130207
20P_Auditor	36.44%	Ahmad	D	0.332163155
20P_Auditor	7.47%	Conklin	D	0.080646925
20P_Auditor	5.99%	Davis	D	0.200674787
20P_Auditor	9.00%	Fountain	D	0.09803573
20P_Auditor	13.97%	Hartman	D	0.166457221
20P_Auditor	27.14%	Lamb	D	0.122022182
20P_President	79.26%	Biden	D	0.791196048
20P_President	2.70%	Gabbard	D	0.02401856
20P_President	18.04%	Sanders	D	0.184785396

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.638952613
12G_AG	41.56%	Freed	R	0.361047417
12G_Auditor		Depasquale	D	0.564372957
12G_Auditor		Maher	R	0.435627043
12G_President		Obama	D	0.559886515
12G_President		Romney	R	0.440113485
12G_Treasurer		McCord	D	0.598558962
12G_Treasurer		Vaughan	R	0.401441038
12G_US_Senate	53.69%	Casey	D	0.587317646
12G_US_Senate	44.59%	Smith	R	0.412682325
12P_AG	52.82%	Kane	D	0.766468942
12P_AG	47.18%	Murphy	D	0.233531058
12P_US_Senate	80.88%	Casey	D	0.901749253
12P_US_Senate	19.12%	Vodvarka	D	0.098250747
14G_Governor	54.93%	Wolf	D	0.596348286
14G_Governor	45.07%	Corbett	R	0.403651685
14P_Governor	16.84%	McCord	D	0.212185457
14P_Governor	7.66%	McGinty	D	0.087238833
14P_Governor	17.64%	Schwartz	D	0.062532209
14P_Governor	57.86%	Wolf	D	0.638043523
14P_Lt_Governor	15.88%	Critz	D	0.039850667
14P_Lt_Governor	11.91%	Koplinski	D	0.116322279
14P_Lt_Governor	10.84%	Neuman	D	0.074266367
14P_Lt_Governor	14.57%	Smith	D	0.341048807
14P_Lt_Governor	46.79%	Stack	D	0.428511888
16G_AG	51.39%	Shapiro	D	0.525707543
16G_AG	48.61%	Rafferty	R	0.474292487
16G_Auditor		Depasquale	D	0.545683801
16G_Auditor		Brown	R	0.454316169
16G_President	47.85%	Clinton	D	0.446008086
16G_President	48.58%	Trump	R	0.553991914
16G_Treasurer		Torsella	D	0.557206988
16G_Treasurer		Voit	R	0.442793041
16G_US_Senate	47.34%	McGinty	D	0.494447559
16G_US_Senate	48.77%	Toomey	R	0.505552411
16P_AG	16.22%	Morganelli	D	0.329880863
16P_AG	47.03%	Shapiro	D	0.41086477
16P_AG	36.74%	Zappala	D	0.259254366
16P_President	55.61%	Clinton	D	0.53744632
16P_President	0.86%	DeLaFuente	D	0.010433244
16P_President	43.53%	Sanders	D	0.452120453
16P_US_Senate	19.49%	Fetterman	D	0.089151718
16P_US_Senate	42.50%	McGinty	D	0.495042503
16P_US_Senate	32.57%	Sestak	D	0.382485598
16P_US_Senate	5.45%	Vodvarka	D	0.03332017

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.428722441
17G_Supreme_Court		Mundy	R	0.571277559
18G_Governor	57.77%	Wolf	D	0.563463509
18G_Governor	40.70%	Wagner	R	0.436536491
18G_US_Senator		Casey	D	0.518405318
18G_US_Senator		Barletta	R	0.481594682
18P_Lt_Governor	23.78%	Ahmad	D	0.258391649
18P_Lt_Governor	18.55%	Cozzone	D	0.17573972
18P_Lt_Governor	37.48%	Fetterman	D	0.202725604
18P_Lt_Governor	3.58%	Sosa	D	0.036390424
18P_Lt_Governor	16.62%	Stack	D	0.326752603
20G_AG		Shapiro	D	0.525086284
20G_AG		Heidelbaugh	R	0.474913716
20G_Auditor	46.35%	Ahmad	D	0.476857305
20G_Auditor	49.44%	Defoor	R	0.523142695
20G_President	50.01%	Biden	D	0.470988274
20G_President	48.84%	Trump	R	0.529011726
20G_Treasurer		Torsella	D	0.488996506
20G_Treasurer		Garrity	R	0.511003494
20P_Auditor	36.44%	Ahmad	D	0.225498348
20P_Auditor	7.47%	Conklin	D	0.081401154
20P_Auditor	5.99%	Davis	D	0.294211775
20P_Auditor	9.00%	Fountain	D	0.079775177
20P_Auditor	13.97%	Hartman	D	0.155350998
20P_Auditor	27.14%	Lamb	D	0.163762525
20P_President	79.26%	Biden	D	0.806197703
20P_President	2.70%	Gabbard	D	0.037197761
20P_President	18.04%	Sanders	D	0.156604528

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.463499635
12G_AG	41.56%	Freed	R	0.536500335
12G_Auditor		Depasquale	D	0.375618368
12G_Auditor		Maher	R	0.624381602
12G_President		Obama	D	0.3867805
12G_President		Romney	R	0.6132195
12G_Treasurer		McCord	D	0.409898847
12G_Treasurer		Vaughan	R	0.590101182
12G_US_Senate	53.69%	Casey	D	0.399819314
12G_US_Senate	44.59%	Smith	R	0.600180686
12P_AG	52.82%	Kane	D	0.701240659
12P_AG	47.18%	Murphy	D	0.298759371
12P_US_Senate	80.88%	Casey	D	0.870475292
12P_US_Senate	19.12%	Vodvarka	D	0.129524723
14G_Governor	54.93%	Wolf	D	0.433269262
14G_Governor	45.07%	Corbett	R	0.566730738
14P_Governor	16.84%	McCord	D	0.189682961
14P_Governor	7.66%	McGinty	D	0.102265336
14P_Governor	17.64%	Schwartz	D	0.080743231
14P_Governor	57.86%	Wolf	D	0.627308488
14P_Lt_Governor	15.88%	Critz	D	0.051898111
14P_Lt_Governor	11.91%	Koplinski	D	0.189318895
14P_Lt_Governor	10.84%	Neuman	D	0.047129761
14P_Lt_Governor	14.57%	Smith	D	0.394265682
14P_Lt_Governor	46.79%	Stack	D	0.317387551
16G_AG	51.39%	Shapiro	D	0.345582157
16G_AG	48.61%	Rafferty	R	0.654417813
16G_Auditor		Depasquale	D	0.34460488
16G_Auditor		Brown	R	0.65539515
16G_President	47.85%	Clinton	D	0.288110852
16G_President	48.58%	Trump	R	0.711889148
16G_Treasurer		Torsella	D	0.375831693
16G_Treasurer		Voit	R	0.624168277
16G_US_Senate	47.34%	McGinty	D	0.326166064
16G_US_Senate	48.77%	Toomey	R	0.673833966
16P_AG	16.22%	Morganelli	D	0.330025107
16P_AG	47.03%	Shapiro	D	0.468935668
16P_AG	36.74%	Zappala	D	0.201039225
16P_President	55.61%	Clinton	D	0.473887205
16P_President	0.86%	DeLaFuente	D	0.013096577
16P_President	43.53%	Sanders	D	0.513016224
16P_US_Senate	19.49%	Fetterman	D	0.124628447
16P_US_Senate	42.50%	McGinty	D	0.488290042
16P_US_Senate	32.57%	Sestak	D	0.352016985
16P_US_Senate	5.45%	Vodvarka	D	0.035064511

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.285771459
17G_Supreme_Court		Mundy	R	0.714228511
18G_Governor	57.77%	Wolf	D	0.401176929
18G_Governor	40.70%	Wagner	R	0.598823071
18G_US_Senator		Casey	D	0.367329657
18G_US_Senator		Barletta	R	0.632670343
18P_Lt_Governor	23.78%	Ahmad	D	0.231670931
18P_Lt_Governor	18.55%	Cozzone	D	0.203218237
18P_Lt_Governor	37.48%	Fetterman	D	0.274722934
18P_Lt_Governor	3.58%	Sosa	D	0.042199489
18P_Lt_Governor	16.62%	Stack	D	0.248188406
20G_AG		Shapiro	D	0.339095533
20G_AG		Heidelbaugh	R	0.660904467
20G_Auditor	46.35%	Ahmad	D	0.294781715
20G_Auditor	49.44%	Defoor	R	0.705218256
20G_President	50.01%	Biden	D	0.306913435
20G_President	48.84%	Trump	R	0.693086565
20G_Treasurer		Torsella	D	0.303269714
20G_Treasurer		Garrity	R	0.696730256
20P_Auditor	36.44%	Ahmad	D	0.202041656
20P_Auditor	7.47%	Conklin	D	0.189158842
20P_Auditor	5.99%	Davis	D	0.102164149
20P_Auditor	9.00%	Fountain	D	0.137668431
20P_Auditor	13.97%	Hartman	D	0.224152714
20P_Auditor	27.14%	Lamb	D	0.144814208
20P_President	79.26%	Biden	D	0.764029145
20P_President	2.70%	Gabbard	D	0.047918893
20P_President	18.04%	Sanders	D	0.188051954

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.534850478
12G_AG	41.56%	Freed	R	0.465149552
12G_Auditor		Depasquale	D	0.487078041
12G_Auditor		Maher	R	0.512921989
12G_President		Obama	D	0.505005002
12G_President		Romney	R	0.494994998
12G_Treasurer		McCord	D	0.509949744
12G_Treasurer		Vaughan	R	0.490050256
12G_US_Senate	53.69%	Casey	D	0.518835783
12G_US_Senate	44.59%	Smith	R	0.481164247
12P_AG	52.82%	Kane	D	0.614623129
12P_AG	47.18%	Murphy	D	0.385376841
12P_US_Senate	80.88%	Casey	D	0.863969862
12P_US_Senate	19.12%	Vodvarka	D	0.136030123
14G_Governor	54.93%	Wolf	D	0.500190496
14G_Governor	45.07%	Corbett	R	0.499809504
14P_Governor	16.84%	McCord	D	0.093372516
14P_Governor	7.66%	McGinty	D	0.074518695
14P_Governor	17.64%	Schwartz	D	0.077233441
14P_Governor	57.86%	Wolf	D	0.754875362
14P_Lt_Governor	15.88%	Critz	D	0.044979919
14P_Lt_Governor	11.91%	Koplinski	D	0.499515295
14P_Lt_Governor	10.84%	Neuman	D	0.046530951
14P_Lt_Governor	14.57%	Smith	D	0.074504919
14P_Lt_Governor	46.79%	Stack	D	0.334468901
16G_AG	51.39%	Shapiro	D	0.485264063
16G_AG	48.61%	Rafferty	R	0.514735937
16G_Auditor		Depasquale	D	0.531322181
16G_Auditor		Brown	R	0.468677819
16G_President	47.85%	Clinton	D	0.497908086
16G_President	48.58%	Trump	R	0.502091885
16G_Treasurer		Torsella	D	0.500042617
16G_Treasurer		Voit	R	0.499957383
16G_US_Senate	47.34%	McGinty	D	0.480734676
16G_US_Senate	48.77%	Toomey	R	0.519265354
16P_AG	16.22%	Morganelli	D	0.17065239
16P_AG	47.03%	Shapiro	D	0.589735568
16P_AG	36.74%	Zappala	D	0.239612028
16P_President	55.61%	Clinton	D	0.529784739
16P_President	0.86%	DeLaFuente	D	0.006226682
16P_President	43.53%	Sanders	D	0.463988602
16P_US_Senate	19.49%	Fetterman	D	0.1568214
16P_US_Senate	42.50%	McGinty	D	0.5238235
16P_US_Senate	32.57%	Sestak	D	0.29561168
16P_US_Senate	5.45%	Vodvarka	D	0.023743426

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.411940426
17G_Supreme_Court		Mundy	R	0.588059545
18G_Governor	57.77%	Wolf	D	0.588896155
18G_Governor	40.70%	Wagner	R	0.411103845
18G_US_Senator		Casey	D	0.549729228
18G_US_Senator		Barletta	R	0.450270742
18P_Lt_Governor	23.78%	Ahmad	D	0.386080533
18P_Lt_Governor	18.55%	Cozzone	D	0.181092441
18P_Lt_Governor	37.48%	Fetterman	D	0.317929775
18P_Lt_Governor	3.58%	Sosa	D	0.029199818
18P_Lt_Governor	16.62%	Stack	D	0.08569745
20G_AG		Shapiro	D	0.524252236
20G_AG		Heidelbaugh	R	0.475747794
20G_Auditor	46.35%	Ahmad	D	0.482836813
20G_Auditor	49.44%	Defoor	R	0.517163217
20G_President	50.01%	Biden	D	0.523154676
20G_President	48.84%	Trump	R	0.476845324
20G_Treasurer		Torsella	D	0.495703131
20G_Treasurer		Garrity	R	0.504296839
20P_Auditor	36.44%	Ahmad	D	0.154269978
20P_Auditor	7.47%	Conklin	D	0.056127906
20P_Auditor	5.99%	Davis	D	0.025673924
20P_Auditor	9.00%	Fountain	D	0.356000841
20P_Auditor	13.97%	Hartman	D	0.340390205
20P_Auditor	27.14%	Lamb	D	0.067537136
20P_President	79.26%	Biden	D	0.779181838
20P_President	2.70%	Gabbard	D	0.022153711
20P_President	18.04%	Sanders	D	0.198664442

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.393241644
12G_AG	41.56%	Freed	R	0.606758356
12G_Auditor		Depasquale	D	0.330935955
12G_Auditor		Maher	R	0.669064045
12G_President		Obama	D	0.338694125
12G_President		Romney	R	0.661305904
12G_Treasurer		McCord	D	0.345478684
12G_Treasurer		Vaughan	R	0.654521286
12G_US_Senate	53.69%	Casey	D	0.354633003
12G_US_Senate	44.59%	Smith	R	0.645367026
12P_AG	52.82%	Kane	D	0.629072249
12P_AG	47.18%	Murphy	D	0.370927751
12P_US_Senate	80.88%	Casey	D	0.835436523
12P_US_Senate	19.12%	Vodvarka	D	0.164563462
14G_Governor	54.93%	Wolf	D	0.368810833
14G_Governor	45.07%	Corbett	R	0.631189167
14P_Governor	16.84%	McCord	D	0.079135031
14P_Governor	7.66%	McGinty	D	0.068380684
14P_Governor	17.64%	Schwartz	D	0.061596576
14P_Governor	57.86%	Wolf	D	0.790887713
14P_Lt_Governor	15.88%	Critz	D	0.06028245
14P_Lt_Governor	11.91%	Koplinski	D	0.342559487
14P_Lt_Governor	10.84%	Neuman	D	0.058015864
14P_Lt_Governor	14.57%	Smith	D	0.140571877
14P_Lt_Governor	46.79%	Stack	D	0.398570299
16G_AG	51.39%	Shapiro	D	0.312829316
16G_AG	48.61%	Rafferty	R	0.687170684
16G_Auditor		Depasquale	D	0.350120485
16G_Auditor		Brown	R	0.649879515
16G_President	47.85%	Clinton	D	0.303117812
16G_President	48.58%	Trump	R	0.696882188
16G_Treasurer		Torsella	D	0.320097119
16G_Treasurer		Voit	R	0.679902911
16G_US_Senate	47.34%	McGinty	D	0.307323188
16G_US_Senate	48.77%	Toomey	R	0.692676842
16P_AG	16.22%	Morganelli	D	0.200066298
16P_AG	47.03%	Shapiro	D	0.568334997
16P_AG	36.74%	Zappala	D	0.23159872
16P_President	55.61%	Clinton	D	0.488593578
16P_President	0.86%	DeLaFuente	D	0.009702935
16P_President	43.53%	Sanders	D	0.501703501
16P_US_Senate	19.49%	Fetterman	D	0.15451467
16P_US_Senate	42.50%	McGinty	D	0.520498753
16P_US_Senate	32.57%	Sestak	D	0.30163908
16P_US_Senate	5.45%	Vodvarka	D	0.023347508

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.257349253
17G_Supreme_Court		Mundy	R	0.742650747
18G_Governor	57.77%	Wolf	D	0.404237002
18G_Governor	40.70%	Wagner	R	0.595763028
18G_US_Senator		Casey	D	0.373796821
18G_US_Senator		Barletta	R	0.626203179
18P_Lt_Governor	23.78%	Ahmad	D	0.340650707
18P_Lt_Governor	18.55%	Cozzone	D	0.214668632
18P_Lt_Governor	37.48%	Fetterman	D	0.328311294
18P_Lt_Governor	3.58%	Sosa	D	0.027220631
18P_Lt_Governor	16.62%	Stack	D	0.089148723
20G_AG		Shapiro	D	0.330898315
20G_AG		Heidelbaugh	R	0.669101655
20G_Auditor	46.35%	Ahmad	D	0.302532852
20G_Auditor	49.44%	Defoor	R	0.697467148
20G_President	50.01%	Biden	D	0.33304888
20G_President	48.84%	Trump	R	0.66695112
20G_Treasurer		Torsella	D	0.306879282
20G_Treasurer		Garrity	R	0.693120718
20P_Auditor	36.44%	Ahmad	D	0.153823465
20P_Auditor	7.47%	Conklin	D	0.06618917
20P_Auditor	5.99%	Davis	D	0.037307773
20P_Auditor	9.00%	Fountain	D	0.159553409
20P_Auditor	13.97%	Hartman	D	0.514472306
20P_Auditor	27.14%	Lamb	D	0.068653889
20P_President	79.26%	Biden	D	0.78851229
20P_President	2.70%	Gabbard	D	0.031682566
20P_President	18.04%	Sanders	D	0.17980516

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.484919935
12G_AG	41.56%	Freed	R	0.515080094
12G_Auditor		Depasquale	D	0.388278157
12G_Auditor		Maher	R	0.611721873
12G_President		Obama	D	0.383577675
12G_President		Romney	R	0.616422355
12G_Treasurer		McCord	D	0.428167224
12G_Treasurer		Vaughan	R	0.571832776
12G_US_Senate	53.69%	Casey	D	0.402779877
12G_US_Senate	44.59%	Smith	R	0.597220123
12P_AG	52.82%	Kane	D	0.611007035
12P_AG	47.18%	Murphy	D	0.388992995
12P_US_Senate	80.88%	Casey	D	0.809236705
12P_US_Senate	19.12%	Vodvarka	D	0.19076328
14G_Governor	54.93%	Wolf	D	0.457405835
14G_Governor	45.07%	Corbett	R	0.542594194
14P_Governor	16.84%	McCord	D	0.204985887
14P_Governor	7.66%	McGinty	D	0.110610053
14P_Governor	17.64%	Schwartz	D	0.076730959
14P_Governor	57.86%	Wolf	D	0.607673109
14P_Lt_Governor	15.88%	Critz	D	0.472354919
14P_Lt_Governor	11.91%	Koplinski	D	0.131531805
14P_Lt_Governor	10.84%	Neuman	D	0.057007067
14P_Lt_Governor	14.57%	Smith	D	0.187966555
14P_Lt_Governor	46.79%	Stack	D	0.151139647
16G_AG	51.39%	Shapiro	D	0.36997214
16G_AG	48.61%	Rafferty	R	0.630027831
16G_Auditor		Depasquale	D	0.385493994
16G_Auditor		Brown	R	0.614506006
16G_President	47.85%	Clinton	D	0.310606211
16G_President	48.58%	Trump	R	0.689393759
16G_Treasurer		Torsella	D	0.392931104
16G_Treasurer		Voit	R	0.607068896
16G_US_Senate	47.34%	McGinty	D	0.339599192
16G_US_Senate	48.77%	Toomey	R	0.660400808
16P_AG	16.22%	Morganelli	D	0.210596159
16P_AG	47.03%	Shapiro	D	0.448851556
16P_AG	36.74%	Zappala	D	0.34055227
16P_President	55.61%	Clinton	D	0.463503331
16P_President	0.86%	DeLaFuente	D	0.018025529
16P_President	43.53%	Sanders	D	0.518471122
16P_US_Senate	19.49%	Fetterman	D	0.202316672
16P_US_Senate	42.50%	McGinty	D	0.446763635
16P_US_Senate	32.57%	Sestak	D	0.298502564
16P_US_Senate	5.45%	Vodvarka	D	0.052417114

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.340560138
17G_Supreme_Court		Mundy	R	0.659439862
18G_Governor	57.77%	Wolf	D	0.412690461
18G_Governor	40.70%	Wagner	R	0.587309539
18G_US_Senator		Casey	D	0.410306811
18G_US_Senator		Barletta	R	0.589693189
18P_Lt_Governor	23.78%	Ahmad	D	0.163748771
18P_Lt_Governor	18.55%	Cozzone	D	0.22535567
18P_Lt_Governor	37.48%	Fetterman	D	0.490079165
18P_Lt_Governor	3.58%	Sosa	D	0.037853695
18P_Lt_Governor	16.62%	Stack	D	0.082962684
20G_AG		Shapiro	D	0.336773753
20G_AG		Heidelbaugh	R	0.663226247
20G_Auditor	46.35%	Ahmad	D	0.291837066
20G_Auditor	49.44%	Defoor	R	0.708162963
20G_President	50.01%	Biden	D	0.310107857
20G_President	48.84%	Trump	R	0.689892173
20G_Treasurer		Torsella	D	0.313143641
20G_Treasurer		Garrity	R	0.686856329
20P_Auditor	36.44%	Ahmad	D	0.089728795
20P_Auditor	7.47%	Conklin	D	0.522521317
20P_Auditor	5.99%	Davis	D	0.034774788
20P_Auditor	9.00%	Fountain	D	0.07445436
20P_Auditor	13.97%	Hartman	D	0.069922946
20P_Auditor	27.14%	Lamb	D	0.208597809
20P_President	79.26%	Biden	D	0.748254597
20P_President	2.70%	Gabbard	D	0.052767985
20P_President	18.04%	Sanders	D	0.198977426

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.424519747
12G_AG	41.56%	Freed	R	0.575480282
12G_Auditor		Depasquale	D	0.338556409
12G_Auditor		Maher	R	0.661443591
12G_President		Obama	D	0.340049326
12G_President		Romney	R	0.659950674
12G_Treasurer		McCord	D	0.375735849
12G_Treasurer		Vaughan	R	0.624264121
12G_US_Senate	53.69%	Casey	D	0.372784048
12G_US_Senate	44.59%	Smith	R	0.627215922
12P_AG	52.82%	Kane	D	0.643677115
12P_AG	47.18%	Murphy	D	0.356322885
12P_US_Senate	80.88%	Casey	D	0.816018641
12P_US_Senate	19.12%	Vodvarka	D	0.183981359
14G_Governor	54.93%	Wolf	D	0.401416808
14G_Governor	45.07%	Corbett	R	0.598583221
14P_Governor	16.84%	McCord	D	0.177503899
14P_Governor	7.66%	McGinty	D	0.107015394
14P_Governor	17.64%	Schwartz	D	0.063294671
14P_Governor	57.86%	Wolf	D	0.652186036
14P_Lt_Governor	15.88%	Critz	D	0.511340976
14P_Lt_Governor	11.91%	Koplinski	D	0.175038099
14P_Lt_Governor	10.84%	Neuman	D	0.051547296
14P_Lt_Governor	14.57%	Smith	D	0.098523036
14P_Lt_Governor	46.79%	Stack	D	0.163550586
16G_AG	51.39%	Shapiro	D	0.32870698
16G_AG	48.61%	Rafferty	R	0.67129302
16G_Auditor		Depasquale	D	0.349893957
16G_Auditor		Brown	R	0.650106013
16G_President	47.85%	Clinton	D	0.290104747
16G_President	48.58%	Trump	R	0.709895253
16G_Treasurer		Torsella	D	0.344758093
16G_Treasurer		Voit	R	0.655241907
16G_US_Senate	47.34%	McGinty	D	0.306606948
16G_US_Senate	48.77%	Toomey	R	0.693393052
16P_AG	16.22%	Morganelli	D	0.220050141
16P_AG	47.03%	Shapiro	D	0.461735368
16P_AG	36.74%	Zappala	D	0.318214506
16P_President	55.61%	Clinton	D	0.493153185
16P_President	0.86%	DeLaFuente	D	0.014408216
16P_President	43.53%	Sanders	D	0.492438585
16P_US_Senate	19.49%	Fetterman	D	0.165247157
16P_US_Senate	42.50%	McGinty	D	0.48123771
16P_US_Senate	32.57%	Sestak	D	0.306133926
16P_US_Senate	5.45%	Vodvarka	D	0.047381215

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.302823603
17G_Supreme_Court		Mundy	R	0.697176397
18G_Governor	57.77%	Wolf	D	0.387438208
18G_Governor	40.70%	Wagner	R	0.612561762
18G_US_Senator		Casey	D	0.370065838
18G_US_Senator		Barletta	R	0.629934192
18P_Lt_Governor	23.78%	Ahmad	D	0.227423668
18P_Lt_Governor	18.55%	Cozzone	D	0.232279956
18P_Lt_Governor	37.48%	Fetterman	D	0.430923045
18P_Lt_Governor	3.58%	Sosa	D	0.035243705
18P_Lt_Governor	16.62%	Stack	D	0.074129619
20G_AG		Shapiro	D	0.317351848
20G_AG		Heidelbaugh	R	0.682648182
20G_Auditor	46.35%	Ahmad	D	0.281245232
20G_Auditor	49.44%	Defoor	R	0.718754768
20G_President	50.01%	Biden	D	0.308750361
20G_President	48.84%	Trump	R	0.691249609
20G_Treasurer		Torsella	D	0.297945589
20G_Treasurer		Garrity	R	0.702054381
20P_Auditor	36.44%	Ahmad	D	0.142580733
20P_Auditor	7.47%	Conklin	D	0.300753295
20P_Auditor	5.99%	Davis	D	0.045742303
20P_Auditor	9.00%	Fountain	D	0.191140831
20P_Auditor	13.97%	Hartman	D	0.153833151
20P_Auditor	27.14%	Lamb	D	0.165949687
20P_President	79.26%	Biden	D	0.778561354
20P_President	2.70%	Gabbard	D	0.040116105
20P_President	18.04%	Sanders	D	0.18132256

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.514924407
12G_AG	41.56%	Freed	R	0.485075593
12G_Auditor		Depasquale	D	0.446099102
12G_Auditor		Maher	R	0.553900898
12G_President		Obama	D	0.400638908
12G_President		Romney	R	0.599361062
12G_Treasurer		McCord	D	0.460312247
12G_Treasurer		Vaughan	R	0.539687753
12G_US_Senate	53.69%	Casey	D	0.446209669
12G_US_Senate	44.59%	Smith	R	0.553790331
12P_AG	52.82%	Kane	D	0.581658304
12P_AG	47.18%	Murphy	D	0.418341696
12P_US_Senate	80.88%	Casey	D	0.738852739
12P_US_Senate	19.12%	Vodvarka	D	0.261147261
14G_Governor	54.93%	Wolf	D	0.46833238
14G_Governor	45.07%	Corbett	R	0.53166759
14P_Governor	16.84%	McCord	D	0.186649621
14P_Governor	7.66%	McGinty	D	0.107368104
14P_Governor	17.64%	Schwartz	D	0.071124643
14P_Governor	57.86%	Wolf	D	0.634857655
14P_Lt_Governor	15.88%	Critz	D	0.372810483
14P_Lt_Governor	11.91%	Koplinski	D	0.029129114
14P_Lt_Governor	10.84%	Neuman	D	0.343084037
14P_Lt_Governor	14.57%	Smith	D	0.062334195
14P_Lt_Governor	46.79%	Stack	D	0.192642182
16G_AG	51.39%	Shapiro	D	0.416609734
16G_AG	48.61%	Rafferty	R	0.583390236
16G_Auditor		Depasquale	D	0.466188729
16G_Auditor		Brown	R	0.533811271
16G_President	47.85%	Clinton	D	0.339886159
16G_President	48.58%	Trump	R	0.660113871
16G_Treasurer		Torsella	D	0.454073548
16G_Treasurer		Voit	R	0.545926452
16G_US_Senate	47.34%	McGinty	D	0.378493458
16G_US_Senate	48.77%	Toomey	R	0.621506572
16P_AG	16.22%	Morganelli	D	0.072462134
16P_AG	47.03%	Shapiro	D	0.21713002
16P_AG	36.74%	Zappala	D	0.710407853
16P_President	55.61%	Clinton	D	0.555638731
16P_President	0.86%	DeLaFuente	D	0.017754493
16P_President	43.53%	Sanders	D	0.426606804
16P_US_Senate	19.49%	Fetterman	D	0.31028524
16P_US_Senate	42.50%	McGinty	D	0.420315981
16P_US_Senate	32.57%	Sestak	D	0.232064471
16P_US_Senate	5.45%	Vodvarka	D	0.037334323

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.418357134
17G_Supreme_Court		Mundy	R	0.581642866
18G_Governor	57.77%	Wolf	D	0.474112242
18G_Governor	40.70%	Wagner	R	0.525887728
18G_US_Senator		Casey	D	0.457896084
18G_US_Senator		Barletta	R	0.542103887
18P_Lt_Governor	23.78%	Ahmad	D	0.105368011
18P_Lt_Governor	18.55%	Cozzone	D	0.124964811
18P_Lt_Governor	37.48%	Fetterman	D	0.708126724
18P_Lt_Governor	3.58%	Sosa	D	0.018297568
18P_Lt_Governor	16.62%	Stack	D	0.04324289
20G_AG		Shapiro	D	0.414264679
20G_AG		Heidelbaugh	R	0.585735321
20G_Auditor	46.35%	Ahmad	D	0.350042701
20G_Auditor	49.44%	Defoor	R	0.649957299
20G_President	50.01%	Biden	D	0.350702077
20G_President	48.84%	Trump	R	0.649297953
20G_Treasurer		Torsella	D	0.366278738
20G_Treasurer		Garrity	R	0.633721292
20P_Auditor	36.44%	Ahmad	D	0.096122444
20P_Auditor	7.47%	Conklin	D	0.041407716
20P_Auditor	5.99%	Davis	D	0.022495186
20P_Auditor	9.00%	Fountain	D	0.031329971
20P_Auditor	13.97%	Hartman	D	0.057249397
20P_Auditor	27.14%	Lamb	D	0.751395285
20P_President	79.26%	Biden	D	0.792980254
20P_President	2.70%	Gabbard	D	0.054883838
20P_President	18.04%	Sanders	D	0.152135894

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.517318487
12G_AG	41.56%	Freed	R	0.482681513
12G_Auditor		Depasquale	D	0.453096658
12G_Auditor		Maher	R	0.546903372
12G_President		Obama	D	0.466406018
12G_President		Romney	R	0.533594012
12G_Treasurer		McCord	D	0.496358901
12G_Treasurer		Vaughan	R	0.503641129
12G_US_Senate	53.69%	Casey	D	0.471571177
12G_US_Senate	44.59%	Smith	R	0.528428793
12P_AG	52.82%	Kane	D	0.67882818
12P_AG	47.18%	Murphy	D	0.32117182
12P_US_Senate	80.88%	Casey	D	0.77514416
12P_US_Senate	19.12%	Vodvarka	D	0.224855825
14G_Governor	54.93%	Wolf	D	0.493965924
14G_Governor	45.07%	Corbett	R	0.506034076
14P_Governor	16.84%	McCord	D	0.252146274
14P_Governor	7.66%	McGinty	D	0.088212572
14P_Governor	17.64%	Schwartz	D	0.069894731
14P_Governor	57.86%	Wolf	D	0.589746416
14P_Lt_Governor	15.88%	Critz	D	0.184062466
14P_Lt_Governor	11.91%	Koplinski	D	0.095062569
14P_Lt_Governor	10.84%	Neuman	D	0.207027838
14P_Lt_Governor	14.57%	Smith	D	0.301799387
14P_Lt_Governor	46.79%	Stack	D	0.212047726
16G_AG	51.39%	Shapiro	D	0.421596706
16G_AG	48.61%	Rafferty	R	0.578403294
16G_Auditor		Depasquale	D	0.438267291
16G_Auditor		Brown	R	0.561732709
16G_President	47.85%	Clinton	D	0.375433385
16G_President	48.58%	Trump	R	0.624566615
16G_Treasurer		Torsella	D	0.459305525
16G_Treasurer		Voit	R	0.540694475
16G_US_Senate	47.34%	McGinty	D	0.393580943
16G_US_Senate	48.77%	Toomey	R	0.606419086
16P_AG	16.22%	Morganelli	D	0.168539464
16P_AG	47.03%	Shapiro	D	0.367918491
16P_AG	36.74%	Zappala	D	0.463542044
16P_President	55.61%	Clinton	D	0.525100112
16P_President	0.86%	DeLaFuente	D	0.013408077
16P_President	43.53%	Sanders	D	0.461491823
16P_US_Senate	19.49%	Fetterman	D	0.242657274
16P_US_Senate	42.50%	McGinty	D	0.378300399
16P_US_Senate	32.57%	Sestak	D	0.306062609
16P_US_Senate	5.45%	Vodvarka	D	0.072979718

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.386330336
17G_Supreme_Court		Mundy	R	0.613669634
18G_Governor	57.77%	Wolf	D	0.488297522
18G_Governor	40.70%	Wagner	R	0.511702478
18G_US_Senator		Casey	D	0.475602001
18G_US_Senator		Barletta	R	0.524397969
18P_Lt_Governor	23.78%	Ahmad	D	0.097790681
18P_Lt_Governor	18.55%	Cozzone	D	0.199192017
18P_Lt_Governor	37.48%	Fetterman	D	0.625022113
18P_Lt_Governor	3.58%	Sosa	D	0.025830071
18P_Lt_Governor	16.62%	Stack	D	0.052165132
20G_AG		Shapiro	D	0.420387149
20G_AG		Heidelbaugh	R	0.579612851
20G_Auditor	46.35%	Ahmad	D	0.36685282
20G_Auditor	49.44%	Defoor	R	0.63314718
20G_President	50.01%	Biden	D	0.380381703
20G_President	48.84%	Trump	R	0.619618297
20G_Treasurer		Torsella	D	0.384597212
20G_Treasurer		Garrity	R	0.615402758
20P_Auditor	36.44%	Ahmad	D	0.122333445
20P_Auditor	7.47%	Conklin	D	0.082606092
20P_Auditor	5.99%	Davis	D	0.052717887
20P_Auditor	9.00%	Fountain	D	0.063384101
20P_Auditor	13.97%	Hartman	D	0.102141798
20P_Auditor	27.14%	Lamb	D	0.576816678
20P_President	79.26%	Biden	D	0.788197637
20P_President	2.70%	Gabbard	D	0.039011523
20P_President	18.04%	Sanders	D	0.17279084

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.61739397
12G_AG	41.56%	Freed	R	0.382606059
12G_Auditor		Depasquale	D	0.572899163
12G_Auditor		Maher	R	0.427100837
12G_President		Obama	D	0.560594201
12G_President		Romney	R	0.439405769
12G_Treasurer		McCord	D	0.594326794
12G_Treasurer		Vaughan	R	0.405673206
12G_US_Senate	53.69%	Casey	D	0.590024292
12G_US_Senate	44.59%	Smith	R	0.409975708
12P_AG	52.82%	Kane	D	0.535251319
12P_AG	47.18%	Murphy	D	0.46474871
12P_US_Senate	80.88%	Casey	D	0.738518119
12P_US_Senate	19.12%	Vodvarka	D	0.261481851
14G_Governor	54.93%	Wolf	D	0.564891636
14G_Governor	45.07%	Corbett	R	0.435108364
14P_Governor	16.84%	McCord	D	0.163782865
14P_Governor	7.66%	McGinty	D	0.101441368
14P_Governor	17.64%	Schwartz	D	0.149176598
14P_Governor	57.86%	Wolf	D	0.585599184
14P_Lt_Governor	15.88%	Critz	D	0.31586504
14P_Lt_Governor	11.91%	Koplinski	D	0.07411477
14P_Lt_Governor	10.84%	Neuman	D	0.192748025
14P_Lt_Governor	14.57%	Smith	D	0.077818736
14P_Lt_Governor	46.79%	Stack	D	0.339453429
16G_AG	51.39%	Shapiro	D	0.573578954
16G_AG	48.61%	Rafferty	R	0.426421076
16G_Auditor		Depasquale	D	0.622261941
16G_Auditor		Brown	R	0.377738059
16G_President	47.85%	Clinton	D	0.562103689
16G_President	48.58%	Trump	R	0.437896341
16G_Treasurer		Torsella	D	0.605258644
16G_Treasurer		Voit	R	0.394741356
16G_US_Senate	47.34%	McGinty	D	0.557246566
16G_US_Senate	48.77%	Toomey	R	0.442753464
16P_AG	16.22%	Morganelli	D	0.048770867
16P_AG	47.03%	Shapiro	D	0.253779173
16P_AG	36.74%	Zappala	D	0.697449982
16P_President	55.61%	Clinton	D	0.538169682
16P_President	0.86%	DeLaFuente	D	0.008421312
16P_President	43.53%	Sanders	D	0.453409016
16P_US_Senate	19.49%	Fetterman	D	0.394465774
16P_US_Senate	42.50%	McGinty	D	0.354856163
16P_US_Senate	32.57%	Sestak	D	0.191761389
16P_US_Senate	5.45%	Vodvarka	D	0.058916673

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.602501214
17G_Supreme_Court		Mundy	R	0.397498786
18G_Governor	57.77%	Wolf	D	0.658054411
18G_Governor	40.70%	Wagner	R	0.341945618
18G_US_Senator		Casey	D	0.6423949
18G_US_Senator		Barletta	R	0.3576051
18P_Lt_Governor	23.78%	Ahmad	D	0.15275909
18P_Lt_Governor	18.55%	Cozzone	D	0.074422263
18P_Lt_Governor	37.48%	Fetterman	D	0.735214531
18P_Lt_Governor	3.58%	Sosa	D	0.010700845
18P_Lt_Governor	16.62%	Stack	D	0.026903255
20G_AG		Shapiro	D	0.608455718
20G_AG		Heidelbaugh	R	0.391544312
20G_Auditor	46.35%	Ahmad	D	0.556288719
20G_Auditor	49.44%	Defoor	R	0.443711311
20G_President	50.01%	Biden	D	0.571163058
20G_President	48.84%	Trump	R	0.428836942
20G_Treasurer		Torsella	D	0.565245926
20G_Treasurer		Garrity	R	0.434754074
20P_Auditor	36.44%	Ahmad	D	0.141486868
20P_Auditor	7.47%	Conklin	D	0.01401166
20P_Auditor	5.99%	Davis	D	0.01935811
20P_Auditor	9.00%	Fountain	D	0.056141686
20P_Auditor	13.97%	Hartman	D	0.033955898
20P_Auditor	27.14%	Lamb	D	0.735045791
20P_President	79.26%	Biden	D	0.740884423
20P_President	2.70%	Gabbard	D	0.031370215
20P_President	18.04%	Sanders	D	0.227745384

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.591747224
12G_AG	41.56%	Freed	R	0.408252776
12G_Auditor		Depasquale	D	0.540771604
12G_Auditor		Maher	R	0.459228426
12G_President		Obama	D	0.525924563
12G_President		Romney	R	0.474075466
12G_Treasurer		McCord	D	0.569232345
12G_Treasurer		Vaughan	R	0.430767626
12G_US_Senate	53.69%	Casey	D	0.561390996
12G_US_Senate	44.59%	Smith	R	0.438609004
12P_AG	52.82%	Kane	D	0.523123085
12P_AG	47.18%	Murphy	D	0.476876915
12P_US_Senate	80.88%	Casey	D	0.699357748
12P_US_Senate	19.12%	Vodvarka	D	0.300642282
14G_Governor	54.93%	Wolf	D	0.547350049
14G_Governor	45.07%	Corbett	R	0.452649951
14P_Governor	16.84%	McCord	D	0.146016002
14P_Governor	7.66%	McGinty	D	0.109491125
14P_Governor	17.64%	Schwartz	D	0.116121382
14P_Governor	57.86%	Wolf	D	0.628371477
14P_Lt_Governor	15.88%	Critz	D	0.307576478
14P_Lt_Governor	11.91%	Koplinski	D	0.045466091
14P_Lt_Governor	10.84%	Neuman	D	0.24306035
14P_Lt_Governor	14.57%	Smith	D	0.078322873
14P_Lt_Governor	46.79%	Stack	D	0.325574219
16G_AG	51.39%	Shapiro	D	0.55174315
16G_AG	48.61%	Rafferty	R	0.44825688
16G_Auditor		Depasquale	D	0.617902398
16G_Auditor		Brown	R	0.382097632
16G_President	47.85%	Clinton	D	0.531803787
16G_President	48.58%	Trump	R	0.468196183
16G_Treasurer		Torsella	D	0.593106747
16G_Treasurer		Voit	R	0.406893253
16G_US_Senate	47.34%	McGinty	D	0.529034197
16G_US_Senate	48.77%	Toomey	R	0.470965803
16P_AG	16.22%	Morganelli	D	0.039989546
16P_AG	47.03%	Shapiro	D	0.193587735
16P_AG	36.74%	Zappala	D	0.766422749
16P_President	55.61%	Clinton	D	0.56642282
16P_President	0.86%	DeLaFuente	D	0.009528653
16P_President	43.53%	Sanders	D	0.424048513
16P_US_Senate	19.49%	Fetterman	D	0.416353673
16P_US_Senate	42.50%	McGinty	D	0.335320801
16P_US_Senate	32.57%	Sestak	D	0.187566504
16P_US_Senate	5.45%	Vodvarka	D	0.060758997

**Reconstituted Election Results for the Proposed Congressional Plan of the House Democrats
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.584028482
17G_Supreme_Court		Mundy	R	0.415971518
18G_Governor	57.77%	Wolf	D	0.641405642
18G_Governor	40.70%	Wagner	R	0.358594358
18G_US_Senator		Casey	D	0.624306023
18G_US_Senator		Barletta	R	0.375693947
18P_Lt_Governor	23.78%	Ahmad	D	0.109043293
18P_Lt_Governor	18.55%	Cozzone	D	0.066461094
18P_Lt_Governor	37.48%	Fetterman	D	0.789196372
18P_Lt_Governor	3.58%	Sosa	D	0.009483373
18P_Lt_Governor	16.62%	Stack	D	0.025815848
20G_AG		Shapiro	D	0.600765407
20G_AG		Heidelbaugh	R	0.399234563
20G_Auditor	46.35%	Ahmad	D	0.543079495
20G_Auditor	49.44%	Defoor	R	0.456920534
20G_President	50.01%	Biden	D	0.555060923
20G_President	48.84%	Trump	R	0.444939077
20G_Treasurer		Torsella	D	0.552728415
20G_Treasurer		Garrity	R	0.447271556
20P_Auditor	36.44%	Ahmad	D	0.110061273
20P_Auditor	7.47%	Conklin	D	0.012516049
20P_Auditor	5.99%	Davis	D	0.015129966
20P_Auditor	9.00%	Fountain	D	0.036610212
20P_Auditor	13.97%	Hartman	D	0.024186419
20P_Auditor	27.14%	Lamb	D	0.801496089
20P_President	79.26%	Biden	D	0.790953457
20P_President	2.70%	Gabbard	D	0.034954689
20P_President	18.04%	Sanders	D	0.174091861

Republican Congressmen (1)

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.506484032
12G_AG	41.56%	Freed	R	0.493515939
12G_Auditor		Depasquale	D	0.444751024
12G_Auditor		Maher	R	0.555248976
12G_President		Obama	D	0.460053205
12G_President		Romney	R	0.539946795
12G_Treasurer		McCord	D	0.484949797
12G_Treasurer		Vaughan	R	0.515050173
12G_US_Senate	53.69%	Casey	D	0.468922049
12G_US_Senate	44.59%	Smith	R	0.531077981
12P_AG	52.82%	Kane	D	0.681001246
12P_AG	47.18%	Murphy	D	0.318998724
12P_US_Senate	80.88%	Casey	D	0.772877634
12P_US_Senate	19.12%	Vodvarka	D	0.227122381
14G_Governor	54.93%	Wolf	D	0.481020182
14G_Governor	45.07%	Corbett	R	0.518979788
14P_Governor	16.84%	McCord	D	0.253315657
14P_Governor	7.66%	McGinty	D	0.08936248
14P_Governor	17.64%	Schwartz	D	0.073310159
14P_Governor	57.86%	Wolf	D	0.584011734
14P_Lt_Governor	15.88%	Critz	D	0.173033312
14P_Lt_Governor	11.91%	Koplinski	D	0.097087137
14P_Lt_Governor	10.84%	Neuman	D	0.21977523
14P_Lt_Governor	14.57%	Smith	D	0.29597339
14P_Lt_Governor	46.79%	Stack	D	0.214130923
16G_AG	51.39%	Shapiro	D	0.417797834
16G_AG	48.61%	Rafferty	R	0.582202137
16G_Auditor		Depasquale	D	0.435691029
16G_Auditor		Brown	R	0.564308941
16G_President	47.85%	Clinton	D	0.384103805
16G_President	48.58%	Trump	R	0.615896225
16G_Treasurer		Torsella	D	0.45339036
16G_Treasurer		Voit	R	0.54660964
16G_US_Senate	47.34%	McGinty	D	0.392589867
16G_US_Senate	48.77%	Toomey	R	0.607410133
16P_AG	16.22%	Morganelli	D	0.167002842
16P_AG	47.03%	Shapiro	D	0.365714937
16P_AG	36.74%	Zappala	D	0.467282236
16P_President	55.61%	Clinton	D	0.531317472
16P_President	0.86%	DeLaFuente	D	0.012543168
16P_President	43.53%	Sanders	D	0.456139326
16P_US_Senate	19.49%	Fetterman	D	0.243285611
16P_US_Senate	42.50%	McGinty	D	0.377058595
16P_US_Senate	32.57%	Sestak	D	0.308670044
16P_US_Senate	5.45%	Vodvarka	D	0.070985734

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.395980537
17G_Supreme_Court		Mundy	R	0.604019463
18G_Governor	57.77%	Wolf	D	0.493044406
18G_Governor	40.70%	Wagner	R	0.506955564
18G_US_Senator		Casey	D	0.478258431
18G_US_Senator		Barletta	R	0.521741569
18P_Lt_Governor	23.78%	Ahmad	D	0.102478199
18P_Lt_Governor	18.55%	Cozzone	D	0.193652332
18P_Lt_Governor	37.48%	Fetterman	D	0.627631009
18P_Lt_Governor	3.58%	Sosa	D	0.025012149
18P_Lt_Governor	16.62%	Stack	D	0.05122631
20G_AG		Shapiro	D	0.430511951
20G_AG		Heidelbaugh	R	0.569488049
20G_Auditor	46.35%	Ahmad	D	0.377459854
20G_Auditor	49.44%	Defoor	R	0.622540116
20G_President	50.01%	Biden	D	0.395047635
20G_President	48.84%	Trump	R	0.604952335
20G_Treasurer		Torsella	D	0.394422531
20G_Treasurer		Garrity	R	0.605577469
20P_Auditor	36.44%	Ahmad	D	0.127163678
20P_Auditor	7.47%	Conklin	D	0.076727808
20P_Auditor	5.99%	Davis	D	0.050324291
20P_Auditor	9.00%	Fountain	D	0.064132787
20P_Auditor	13.97%	Hartman	D	0.097942673
20P_Auditor	27.14%	Lamb	D	0.583708763
20P_President	79.26%	Biden	D	0.793260753
20P_President	2.70%	Gabbard	D	0.036924392
20P_President	18.04%	Sanders	D	0.16981484

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.540843248
12G_AG	41.56%	Freed	R	0.459156722
12G_Auditor		Depasquale	D	0.481050968
12G_Auditor		Maher	R	0.518949032
12G_President		Obama	D	0.46698609
12G_President		Romney	R	0.53301388
12G_Treasurer		McCord	D	0.506212711
12G_Treasurer		Vaughan	R	0.493787289
12G_US_Senate	53.69%	Casey	D	0.506627142
12G_US_Senate	44.59%	Smith	R	0.493372887
12P_AG	52.82%	Kane	D	0.540951967
12P_AG	47.18%	Murphy	D	0.459048003
12P_US_Senate	80.88%	Casey	D	0.720047653
12P_US_Senate	19.12%	Vodvarka	D	0.279952377
14G_Governor	54.93%	Wolf	D	0.499529541
14G_Governor	45.07%	Corbett	R	0.500470459
14P_Governor	16.84%	McCord	D	0.173070058
14P_Governor	7.66%	McGinty	D	0.107569344
14P_Governor	17.64%	Schwartz	D	0.100141041
14P_Governor	57.86%	Wolf	D	0.619219542
14P_Lt_Governor	15.88%	Critz	D	0.301914781
14P_Lt_Governor	11.91%	Koplinski	D	0.037385765
14P_Lt_Governor	10.84%	Neuman	D	0.329766184
14P_Lt_Governor	14.57%	Smith	D	0.072753884
14P_Lt_Governor	46.79%	Stack	D	0.258179367
16G_AG	51.39%	Shapiro	D	0.488859773
16G_AG	48.61%	Rafferty	R	0.511140227
16G_Auditor		Depasquale	D	0.550507605
16G_Auditor		Brown	R	0.449492365
16G_President	47.85%	Clinton	D	0.465231776
16G_President	48.58%	Trump	R	0.534768224
16G_Treasurer		Torsella	D	0.528480291
16G_Treasurer		Voit	R	0.471519679
16G_US_Senate	47.34%	McGinty	D	0.463895619
16G_US_Senate	48.77%	Toomey	R	0.536104381
16P_AG	16.22%	Morganelli	D	0.049809471
16P_AG	47.03%	Shapiro	D	0.191824839
16P_AG	36.74%	Zappala	D	0.758365691
16P_President	55.61%	Clinton	D	0.559947371
16P_President	0.86%	DeLaFuente	D	0.011414248
16P_President	43.53%	Sanders	D	0.428638399
16P_US_Senate	19.49%	Fetterman	D	0.341324985
16P_US_Senate	42.50%	McGinty	D	0.384384245
16P_US_Senate	32.57%	Sestak	D	0.208032563
16P_US_Senate	5.45%	Vodvarka	D	0.066258214

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.518551528
17G_Supreme_Court		Mundy	R	0.481448442
18G_Governor	57.77%	Wolf	D	0.586099863
18G_Governor	40.70%	Wagner	R	0.413900107
18G_US_Senator		Casey	D	0.568284273
18G_US_Senator		Barletta	R	0.431715697
18P_Lt_Governor	23.78%	Ahmad	D	0.117563918
18P_Lt_Governor	18.55%	Cozzone	D	0.091271497
18P_Lt_Governor	37.48%	Fetterman	D	0.748002231
18P_Lt_Governor	3.58%	Sosa	D	0.012919709
18P_Lt_Governor	16.62%	Stack	D	0.030242629
20G_AG		Shapiro	D	0.53746289
20G_AG		Heidelbaugh	R	0.46253711
20G_Auditor	46.35%	Ahmad	D	0.473929703
20G_Auditor	49.44%	Defoor	R	0.526070297
20G_President	50.01%	Biden	D	0.491945535
20G_President	48.84%	Trump	R	0.508054435
20G_Treasurer		Torsella	D	0.486525387
20G_Treasurer		Garrity	R	0.513474584
20P_Auditor	36.44%	Ahmad	D	0.09986046
20P_Auditor	7.47%	Conklin	D	0.017871838
20P_Auditor	5.99%	Davis	D	0.016574834
20P_Auditor	9.00%	Fountain	D	0.033757918
20P_Auditor	13.97%	Hartman	D	0.034750797
20P_Auditor	27.14%	Lamb	D	0.797184169
20P_President	79.26%	Biden	D	0.792361438
20P_President	2.70%	Gabbard	D	0.039238852
20P_President	18.04%	Sanders	D	0.168399692

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.689152479
12G_AG	41.56%	Freed	R	0.310847521
12G_Auditor		Depasquale	D	0.654648662
12G_Auditor		Maher	R	0.345351309
12G_President		Obama	D	0.636810482
12G_President		Romney	R	0.363189548
12G_Treasurer		McCord	D	0.67542243
12G_Treasurer		Vaughan	R	0.3245776
12G_US_Senate	53.69%	Casey	D	0.665268362
12G_US_Senate	44.59%	Smith	R	0.334731638
12P_AG	52.82%	Kane	D	0.521859527
12P_AG	47.18%	Murphy	D	0.478140444
12P_US_Senate	80.88%	Casey	D	0.720186472
12P_US_Senate	19.12%	Vodvarka	D	0.279813528
14G_Governor	54.93%	Wolf	D	0.64008677
14G_Governor	45.07%	Corbett	R	0.35991326
14P_Governor	16.84%	McCord	D	0.144274816
14P_Governor	7.66%	McGinty	D	0.104430206
14P_Governor	17.64%	Schwartz	D	0.151213199
14P_Governor	57.86%	Wolf	D	0.600081801
14P_Lt_Governor	15.88%	Critz	D	0.295600563
14P_Lt_Governor	11.91%	Koplinski	D	0.072118536
14P_Lt_Governor	10.84%	Neuman	D	0.197311193
14P_Lt_Governor	14.57%	Smith	D	0.072133802
14P_Lt_Governor	46.79%	Stack	D	0.362835914
16G_AG	51.39%	Shapiro	D	0.655031323
16G_AG	48.61%	Rafferty	R	0.344968677
16G_Auditor		Depasquale	D	0.710707009
16G_Auditor		Brown	R	0.289293021
16G_President	47.85%	Clinton	D	0.637227178
16G_President	48.58%	Trump	R	0.362772852
16G_Treasurer		Torsella	D	0.690073371
16G_Treasurer		Voit	R	0.309926629
16G_US_Senate	47.34%	McGinty	D	0.637483239
16G_US_Senate	48.77%	Toomey	R	0.362516731
16P_AG	16.22%	Morganelli	D	0.041369915
16P_AG	47.03%	Shapiro	D	0.245556444
16P_AG	36.74%	Zappala	D	0.713073611
16P_President	55.61%	Clinton	D	0.548877597
16P_President	0.86%	DeLaFuente	D	0.007691952
16P_President	43.53%	Sanders	D	0.443430454
16P_US_Senate	19.49%	Fetterman	D	0.447528034
16P_US_Senate	42.50%	McGinty	D	0.320513934
16P_US_Senate	32.57%	Sestak	D	0.17556031
16P_US_Senate	5.45%	Vodvarka	D	0.056397717

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.678957641
17G_Supreme_Court		Mundy	R	0.321042329
18G_Governor	57.77%	Wolf	D	0.728736579
18G_Governor	40.70%	Wagner	R	0.27126345
18G_US_Senator		Casey	D	0.715680599
18G_US_Senator		Barletta	R	0.284319371
18P_Lt_Governor	23.78%	Ahmad	D	0.138573527
18P_Lt_Governor	18.55%	Cozzone	D	0.059568264
18P_Lt_Governor	37.48%	Fetterman	D	0.768516064
18P_Lt_Governor	3.58%	Sosa	D	0.009014445
18P_Lt_Governor	16.62%	Stack	D	0.024327688
20G_AG		Shapiro	D	0.687889159
20G_AG		Heidelbaugh	R	0.312110841
20G_Auditor	46.35%	Ahmad	D	0.641670763
20G_Auditor	49.44%	Defoor	R	0.358329207
20G_President	50.01%	Biden	D	0.645556808
20G_President	48.84%	Trump	R	0.354443192
20G_Treasurer		Torsella	D	0.6488083
20G_Treasurer		Garrity	R	0.3511917
20P_Auditor	36.44%	Ahmad	D	0.142833874
20P_Auditor	7.47%	Conklin	D	0.010113694
20P_Auditor	5.99%	Davis	D	0.017749872
20P_Auditor	9.00%	Fountain	D	0.054532494
20P_Auditor	13.97%	Hartman	D	0.025236722
20P_Auditor	27.14%	Lamb	D	0.749533355
20P_President	79.26%	Biden	D	0.746010065
20P_President	2.70%	Gabbard	D	0.029579867
20P_President	18.04%	Sanders	D	0.224410042

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.51774317
12G_AG	41.56%	Freed	R	0.48225683
12G_Auditor		Depasquale	D	0.444223732
12G_Auditor		Maher	R	0.555776238
12G_President		Obama	D	0.393476725
12G_President		Romney	R	0.606523275
12G_Treasurer		McCord	D	0.465675712
12G_Treasurer		Vaughan	R	0.534324288
12G_US_Senate	53.69%	Casey	D	0.444111198
12G_US_Senate	44.59%	Smith	R	0.555888772
12P_AG	52.82%	Kane	D	0.6022802
12P_AG	47.18%	Murphy	D	0.3977198
12P_US_Senate	80.88%	Casey	D	0.755708575
12P_US_Senate	19.12%	Vodvarka	D	0.24429144
14G_Governor	54.93%	Wolf	D	0.472198755
14G_Governor	45.07%	Corbett	R	0.527801216
14P_Governor	16.84%	McCord	D	0.199791729
14P_Governor	7.66%	McGinty	D	0.106744632
14P_Governor	17.64%	Schwartz	D	0.065748155
14P_Governor	57.86%	Wolf	D	0.627715468
14P_Lt_Governor	15.88%	Critz	D	0.510590374
14P_Lt_Governor	11.91%	Koplinski	D	0.028107423
14P_Lt_Governor	10.84%	Neuman	D	0.228097409
14P_Lt_Governor	14.57%	Smith	D	0.060337488
14P_Lt_Governor	46.79%	Stack	D	0.172867328
16G_AG	51.39%	Shapiro	D	0.411753803
16G_AG	48.61%	Rafferty	R	0.588246167
16G_Auditor		Depasquale	D	0.458729476
16G_Auditor		Brown	R	0.541270554
16G_President	47.85%	Clinton	D	0.330082804
16G_President	48.58%	Trump	R	0.669917226
16G_Treasurer		Torsella	D	0.450518936
16G_Treasurer		Voit	R	0.549481094
16G_US_Senate	47.34%	McGinty	D	0.370631933
16G_US_Senate	48.77%	Toomey	R	0.629368067
16P_AG	16.22%	Morganelli	D	0.094984755
16P_AG	47.03%	Shapiro	D	0.239242092
16P_AG	36.74%	Zappala	D	0.665773153
16P_President	55.61%	Clinton	D	0.543701887
16P_President	0.86%	DeLaFuente	D	0.018451445
16P_President	43.53%	Sanders	D	0.43784669
16P_US_Senate	19.49%	Fetterman	D	0.2978293
16P_US_Senate	42.50%	McGinty	D	0.421898782
16P_US_Senate	32.57%	Sestak	D	0.241153538
16P_US_Senate	5.45%	Vodvarka	D	0.039118376

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.412699252
17G_Supreme_Court		Mundy	R	0.587300777
18G_Governor	57.77%	Wolf	D	0.463328153
18G_Governor	40.70%	Wagner	R	0.536671817
18G_US_Senator		Casey	D	0.448888779
18G_US_Senator		Barletta	R	0.551111221
18P_Lt_Governor	23.78%	Ahmad	D	0.095423758
18P_Lt_Governor	18.55%	Cozzone	D	0.139827117
18P_Lt_Governor	37.48%	Fetterman	D	0.699714839
18P_Lt_Governor	3.58%	Sosa	D	0.019138223
18P_Lt_Governor	16.62%	Stack	D	0.045896087
20G_AG		Shapiro	D	0.402189732
20G_AG		Heidelbaugh	R	0.597810268
20G_Auditor	46.35%	Ahmad	D	0.338860482
20G_Auditor	49.44%	Defoor	R	0.661139548
20G_President	50.01%	Biden	D	0.33997345
20G_President	48.84%	Trump	R	0.66002655
20G_Treasurer		Torsella	D	0.358014643
20G_Treasurer		Garrity	R	0.641985357
20P_Auditor	36.44%	Ahmad	D	0.090760544
20P_Auditor	7.47%	Conklin	D	0.101827092
20P_Auditor	5.99%	Davis	D	0.024559319
20P_Auditor	9.00%	Fountain	D	0.032320756
20P_Auditor	13.97%	Hartman	D	0.059392948
20P_Auditor	27.14%	Lamb	D	0.69113934
20P_President	79.26%	Biden	D	0.787030518
20P_President	2.70%	Gabbard	D	0.057042658
20P_President	18.04%	Sanders	D	0.155926794

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.494891703
12G_AG	41.56%	Freed	R	0.505108297
12G_Auditor		Depasquale	D	0.397581249
12G_Auditor		Maher	R	0.60241878
12G_President		Obama	D	0.389775723
12G_President		Romney	R	0.610224247
12G_Treasurer		McCord	D	0.436506867
12G_Treasurer		Vaughan	R	0.563493133
12G_US_Senate	53.69%	Casey	D	0.405185223
12G_US_Senate	44.59%	Smith	R	0.594814777
12P_AG	52.82%	Kane	D	0.602188885
12P_AG	47.18%	Murphy	D	0.397811085
12P_US_Senate	80.88%	Casey	D	0.798593402
12P_US_Senate	19.12%	Vodvarka	D	0.201406613
14G_Governor	54.93%	Wolf	D	0.467511564
14G_Governor	45.07%	Corbett	R	0.532488406
14P_Governor	16.84%	McCord	D	0.210776433
14P_Governor	7.66%	McGinty	D	0.109906293
14P_Governor	17.64%	Schwartz	D	0.07858099
14P_Governor	57.86%	Wolf	D	0.60073626
14P_Lt_Governor	15.88%	Critz	D	0.484328657
14P_Lt_Governor	11.91%	Koplinski	D	0.10055986
14P_Lt_Governor	10.84%	Neuman	D	0.065891474
14P_Lt_Governor	14.57%	Smith	D	0.193080679
14P_Lt_Governor	46.79%	Stack	D	0.156139344
16G_AG	51.39%	Shapiro	D	0.380465716
16G_AG	48.61%	Rafferty	R	0.619534314
16G_Auditor		Depasquale	D	0.396264851
16G_Auditor		Brown	R	0.603735149
16G_President	47.85%	Clinton	D	0.317135185
16G_President	48.58%	Trump	R	0.682864845
16G_Treasurer		Torsella	D	0.406763822
16G_Treasurer		Voit	R	0.593236148
16G_US_Senate	47.34%	McGinty	D	0.348699689
16G_US_Senate	48.77%	Toomey	R	0.651300311
16P_AG	16.22%	Morganelli	D	0.188482344
16P_AG	47.03%	Shapiro	D	0.418479502
16P_AG	36.74%	Zappala	D	0.393038154
16P_President	55.61%	Clinton	D	0.467848361
16P_President	0.86%	DeLaFuente	D	0.018397838
16P_President	43.53%	Sanders	D	0.513753772
16P_US_Senate	19.49%	Fetterman	D	0.220129535
16P_US_Senate	42.50%	McGinty	D	0.439785838
16P_US_Senate	32.57%	Sestak	D	0.284190327
16P_US_Senate	5.45%	Vodvarka	D	0.055894323

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.351542413
17G_Supreme_Court		Mundy	R	0.648457587
18G_Governor	57.77%	Wolf	D	0.421251535
18G_Governor	40.70%	Wagner	R	0.578748465
18G_US_Senator		Casey	D	0.420851409
18G_US_Senator		Barletta	R	0.579148591
18P_Lt_Governor	23.78%	Ahmad	D	0.145298362
18P_Lt_Governor	18.55%	Cozzone	D	0.216006353
18P_Lt_Governor	37.48%	Fetterman	D	0.528827369
18P_Lt_Governor	3.58%	Sosa	D	0.035552703
18P_Lt_Governor	16.62%	Stack	D	0.074315235
20G_AG		Shapiro	D	0.347367644
20G_AG		Heidelbaugh	R	0.652632356
20G_Auditor	46.35%	Ahmad	D	0.298860878
20G_Auditor	49.44%	Defoor	R	0.701139092
20G_President	50.01%	Biden	D	0.315221816
20G_President	48.84%	Trump	R	0.684778154
20G_Treasurer		Torsella	D	0.32004106
20G_Treasurer		Garrity	R	0.67995894
20P_Auditor	36.44%	Ahmad	D	0.087521762
20P_Auditor	7.47%	Conklin	D	0.477326334
20P_Auditor	5.99%	Davis	D	0.034266748
20P_Auditor	9.00%	Fountain	D	0.052750614
20P_Auditor	13.97%	Hartman	D	0.066434532
20P_Auditor	27.14%	Lamb	D	0.281699985
20P_President	79.26%	Biden	D	0.750666082
20P_President	2.70%	Gabbard	D	0.053016547
20P_President	18.04%	Sanders	D	0.19631736

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.401287794
12G_AG	41.56%	Freed	R	0.598712206
12G_Auditor		Depasquale	D	0.32259202
12G_Auditor		Maher	R	0.67740798
12G_President		Obama	D	0.339265585
12G_President		Romney	R	0.660734415
12G_Treasurer		McCord	D	0.364522994
12G_Treasurer		Vaughan	R	0.635477006
12G_US_Senate	53.69%	Casey	D	0.364470065
12G_US_Senate	44.59%	Smith	R	0.635529935
12P_AG	52.82%	Kane	D	0.631415784
12P_AG	47.18%	Murphy	D	0.368584186
12P_US_Senate	80.88%	Casey	D	0.829299271
12P_US_Senate	19.12%	Vodvarka	D	0.170700744
14G_Governor	54.93%	Wolf	D	0.384947836
14G_Governor	45.07%	Corbett	R	0.615052164
14P_Governor	16.84%	McCord	D	0.13260372
14P_Governor	7.66%	McGinty	D	0.105553739
14P_Governor	17.64%	Schwartz	D	0.074518129
14P_Governor	57.86%	Wolf	D	0.687324405
14P_Lt_Governor	15.88%	Critz	D	0.272036165
14P_Lt_Governor	11.91%	Koplinski	D	0.296384543
14P_Lt_Governor	10.84%	Neuman	D	0.06095852
14P_Lt_Governor	14.57%	Smith	D	0.123213284
14P_Lt_Governor	46.79%	Stack	D	0.247407511
16G_AG	51.39%	Shapiro	D	0.324088782
16G_AG	48.61%	Rafferty	R	0.675911248
16G_Auditor		Depasquale	D	0.348659307
16G_Auditor		Brown	R	0.651340723
16G_President	47.85%	Clinton	D	0.299004108
16G_President	48.58%	Trump	R	0.700995922
16G_Treasurer		Torsella	D	0.336185247
16G_Treasurer		Voit	R	0.663814783
16G_US_Senate	47.34%	McGinty	D	0.307788759
16G_US_Senate	48.77%	Toomey	R	0.69221127
16P_AG	16.22%	Morganelli	D	0.220701799
16P_AG	47.03%	Shapiro	D	0.500454247
16P_AG	36.74%	Zappala	D	0.278843969
16P_President	55.61%	Clinton	D	0.493661761
16P_President	0.86%	DeLaFuente	D	0.011603988
16P_President	43.53%	Sanders	D	0.494734257
16P_US_Senate	19.49%	Fetterman	D	0.15638864
16P_US_Senate	42.50%	McGinty	D	0.490636647
16P_US_Senate	32.57%	Sestak	D	0.315004557
16P_US_Senate	5.45%	Vodvarka	D	0.037970174

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.286822319
17G_Supreme_Court		Mundy	R	0.713177681
18G_Governor	57.77%	Wolf	D	0.398139894
18G_Governor	40.70%	Wagner	R	0.601860106
18G_US_Senator		Casey	D	0.373501927
18G_US_Senator		Barletta	R	0.626498103
18P_Lt_Governor	23.78%	Ahmad	D	0.287430823
18P_Lt_Governor	18.55%	Cozzone	D	0.223638222
18P_Lt_Governor	37.48%	Fetterman	D	0.371905029
18P_Lt_Governor	3.58%	Sosa	D	0.035064083
18P_Lt_Governor	16.62%	Stack	D	0.08196184
20G_AG		Shapiro	D	0.326540917
20G_AG		Heidelbaugh	R	0.673459053
20G_Auditor	46.35%	Ahmad	D	0.291023284
20G_Auditor	49.44%	Defoor	R	0.708976686
20G_President	50.01%	Biden	D	0.323007673
20G_President	48.84%	Trump	R	0.676992297
20G_Treasurer		Torsella	D	0.304999948
20G_Treasurer		Garrity	R	0.695000052
20P_Auditor	36.44%	Ahmad	D	0.163526282
20P_Auditor	7.47%	Conklin	D	0.250513971
20P_Auditor	5.99%	Davis	D	0.045134764
20P_Auditor	9.00%	Fountain	D	0.261113942
20P_Auditor	13.97%	Hartman	D	0.155472562
20P_Auditor	27.14%	Lamb	D	0.124238484
20P_President	79.26%	Biden	D	0.775832474
20P_President	2.70%	Gabbard	D	0.035531778
20P_President	18.04%	Sanders	D	0.188635737

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.521988153
12G_AG	41.56%	Freed	R	0.478011817
12G_Auditor		Depasquale	D	0.436055779
12G_Auditor		Maher	R	0.563944221
12G_President		Obama	D	0.445827067
12G_President		Romney	R	0.554172933
12G_Treasurer		McCord	D	0.464429975
12G_Treasurer		Vaughan	R	0.535570025
12G_US_Senate	53.69%	Casey	D	0.465687782
12G_US_Senate	44.59%	Smith	R	0.534312248
12P_AG	52.82%	Kane	D	0.7765674
12P_AG	47.18%	Murphy	D	0.223432615
12P_US_Senate	80.88%	Casey	D	0.901786447
12P_US_Senate	19.12%	Vodvarka	D	0.098213531
14G_Governor	54.93%	Wolf	D	0.476068199
14G_Governor	45.07%	Corbett	R	0.523931801
14P_Governor	16.84%	McCord	D	0.182795703
14P_Governor	7.66%	McGinty	D	0.096627146
14P_Governor	17.64%	Schwartz	D	0.063100815
14P_Governor	57.86%	Wolf	D	0.657476306
14P_Lt_Governor	15.88%	Critz	D	0.039062168
14P_Lt_Governor	11.91%	Koplinski	D	0.143291265
14P_Lt_Governor	10.84%	Neuman	D	0.072954036
14P_Lt_Governor	14.57%	Smith	D	0.389819771
14P_Lt_Governor	46.79%	Stack	D	0.354872733
16G_AG	51.39%	Shapiro	D	0.407094806
16G_AG	48.61%	Rafferty	R	0.592905223
16G_Auditor		Depasquale	D	0.421971172
16G_Auditor		Brown	R	0.578028798
16G_President	47.85%	Clinton	D	0.348952264
16G_President	48.58%	Trump	R	0.651047766
16G_Treasurer		Torsella	D	0.437959164
16G_Treasurer		Voit	R	0.562040865
16G_US_Senate	47.34%	McGinty	D	0.385026485
16G_US_Senate	48.77%	Toomey	R	0.614973545
16P_AG	16.22%	Morganelli	D	0.280651808
16P_AG	47.03%	Shapiro	D	0.47813943
16P_AG	36.74%	Zappala	D	0.241208762
16P_President	55.61%	Clinton	D	0.51179564
16P_President	0.86%	DeLaFuente	D	0.011963537
16P_President	43.53%	Sanders	D	0.476240814
16P_US_Senate	19.49%	Fetterman	D	0.10619548
16P_US_Senate	42.50%	McGinty	D	0.507158458
16P_US_Senate	32.57%	Sestak	D	0.357054383
16P_US_Senate	5.45%	Vodvarka	D	0.029591693

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.334726006
17G_Supreme_Court		Mundy	R	0.665274024
18G_Governor	57.77%	Wolf	D	0.459401548
18G_Governor	40.70%	Wagner	R	0.540598452
18G_US_Senator		Casey	D	0.429533422
18G_US_Senator		Barletta	R	0.570466578
18P_Lt_Governor	23.78%	Ahmad	D	0.251977056
18P_Lt_Governor	18.55%	Cozzone	D	0.182542056
18P_Lt_Governor	37.48%	Fetterman	D	0.242710009
18P_Lt_Governor	3.58%	Sosa	D	0.035845313
18P_Lt_Governor	16.62%	Stack	D	0.286925554
20G_AG		Shapiro	D	0.401235431
20G_AG		Heidelbaugh	R	0.598764598
20G_Auditor	46.35%	Ahmad	D	0.354279429
20G_Auditor	49.44%	Defoor	R	0.645720601
20G_President	50.01%	Biden	D	0.365382522
20G_President	48.84%	Trump	R	0.634617448
20G_Treasurer		Torsella	D	0.363803387
20G_Treasurer		Garrity	R	0.636196613
20P_Auditor	36.44%	Ahmad	D	0.230747849
20P_Auditor	7.47%	Conklin	D	0.162553757
20P_Auditor	5.99%	Davis	D	0.155341864
20P_Auditor	9.00%	Fountain	D	0.123011008
20P_Auditor	13.97%	Hartman	D	0.16798313
20P_Auditor	27.14%	Lamb	D	0.160362393
20P_President	79.26%	Biden	D	0.794507563
20P_President	2.70%	Gabbard	D	0.040163539
20P_President	18.04%	Sanders	D	0.16532889

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.490484267
12G_AG	41.56%	Freed	R	0.509515762
12G_Auditor		Depasquale	D	0.450910598
12G_Auditor		Maher	R	0.549089432
12G_President		Obama	D	0.444110423
12G_President		Romney	R	0.555889606
12G_Treasurer		McCord	D	0.45656085
12G_Treasurer		Vaughan	R	0.54343915
12G_US_Senate	53.69%	Casey	D	0.46087122
12G_US_Senate	44.59%	Smith	R	0.53912878
12P_AG	52.82%	Kane	D	0.649848044
12P_AG	47.18%	Murphy	D	0.350151926
12P_US_Senate	80.88%	Casey	D	0.84656173
12P_US_Senate	19.12%	Vodvarka	D	0.15343827
14G_Governor	54.93%	Wolf	D	0.459670275
14G_Governor	45.07%	Corbett	R	0.540329695
14P_Governor	16.84%	McCord	D	0.077622026
14P_Governor	7.66%	McGinty	D	0.062703378
14P_Governor	17.64%	Schwartz	D	0.048610762
14P_Governor	57.86%	Wolf	D	0.811063826
14P_Lt_Governor	15.88%	Critz	D	0.048801903
14P_Lt_Governor	11.91%	Koplinski	D	0.462187737
14P_Lt_Governor	10.84%	Neuman	D	0.05197417
14P_Lt_Governor	14.57%	Smith	D	0.106610775
14P_Lt_Governor	46.79%	Stack	D	0.330425411
16G_AG	51.39%	Shapiro	D	0.413006425
16G_AG	48.61%	Rafferty	R	0.586993575
16G_Auditor		Depasquale	D	0.471820891
16G_Auditor		Brown	R	0.528179109
16G_President	47.85%	Clinton	D	0.408647001
16G_President	48.58%	Trump	R	0.591352999
16G_Treasurer		Torsella	D	0.426344544
16G_Treasurer		Voit	R	0.573655486
16G_US_Senate	47.34%	McGinty	D	0.406929731
16G_US_Senate	48.77%	Toomey	R	0.593070269
16P_AG	16.22%	Morganelli	D	0.181365788
16P_AG	47.03%	Shapiro	D	0.577569604
16P_AG	36.74%	Zappala	D	0.241064623
16P_President	55.61%	Clinton	D	0.533883154
16P_President	0.86%	DeLaFuente	D	0.009106138
16P_President	43.53%	Sanders	D	0.457010716
16P_US_Senate	19.49%	Fetterman	D	0.153036624
16P_US_Senate	42.50%	McGinty	D	0.521449685
16P_US_Senate	32.57%	Sestak	D	0.290090233
16P_US_Senate	5.45%	Vodvarka	D	0.035423458

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.347011268
17G_Supreme_Court		Mundy	R	0.652988732
18G_Governor	57.77%	Wolf	D	0.507401228
18G_Governor	40.70%	Wagner	R	0.492598742
18G_US_Senator		Casey	D	0.471596718
18G_US_Senator		Barletta	R	0.528403282
18P_Lt_Governor	23.78%	Ahmad	D	0.362142056
18P_Lt_Governor	18.55%	Cozzone	D	0.173187762
18P_Lt_Governor	37.48%	Fetterman	D	0.339391917
18P_Lt_Governor	3.58%	Sosa	D	0.030404685
18P_Lt_Governor	16.62%	Stack	D	0.094873592
20G_AG		Shapiro	D	0.437890768
20G_AG		Heidelbaugh	R	0.562109232
20G_Auditor	46.35%	Ahmad	D	0.399853021
20G_Auditor	49.44%	Defoor	R	0.600147009
20G_President	50.01%	Biden	D	0.433666378
20G_President	48.84%	Trump	R	0.566333652
20G_Treasurer		Torsella	D	0.411265641
20G_Treasurer		Garrity	R	0.588734388
20P_Auditor	36.44%	Ahmad	D	0.172741279
20P_Auditor	7.47%	Conklin	D	0.07606595
20P_Auditor	5.99%	Davis	D	0.036976084
20P_Auditor	9.00%	Fountain	D	0.393103033
20P_Auditor	13.97%	Hartman	D	0.241107017
20P_Auditor	27.14%	Lamb	D	0.080006644
20P_President	79.26%	Biden	D	0.801332593
20P_President	2.70%	Gabbard	D	0.026147656
20P_President	18.04%	Sanders	D	0.172519729

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.439083278
12G_AG	41.56%	Freed	R	0.560916722
12G_Auditor		Depasquale	D	0.36020425
12G_Auditor		Maher	R	0.639795721
12G_President		Obama	D	0.392401487
12G_President		Romney	R	0.607598484
12G_Treasurer		McCord	D	0.389606982
12G_Treasurer		Vaughan	R	0.610392988
12G_US_Senate	53.69%	Casey	D	0.405847311
12G_US_Senate	44.59%	Smith	R	0.594152689
12P_AG	52.82%	Kane	D	0.563868284
12P_AG	47.18%	Murphy	D	0.436131716
12P_US_Senate	80.88%	Casey	D	0.855858028
12P_US_Senate	19.12%	Vodvarka	D	0.144141987
14G_Governor	54.93%	Wolf	D	0.403357089
14G_Governor	45.07%	Corbett	R	0.596642911
14P_Governor	16.84%	McCord	D	0.110019088
14P_Governor	7.66%	McGinty	D	0.081306092
14P_Governor	17.64%	Schwartz	D	0.105348654
14P_Governor	57.86%	Wolf	D	0.703326166
14P_Lt_Governor	15.88%	Critz	D	0.059333906
14P_Lt_Governor	11.91%	Koplinski	D	0.351122975
14P_Lt_Governor	10.84%	Neuman	D	0.052284334
14P_Lt_Governor	14.57%	Smith	D	0.120520584
14P_Lt_Governor	46.79%	Stack	D	0.416738212
16G_AG	51.39%	Shapiro	D	0.3745175
16G_AG	48.61%	Rafferty	R	0.6254825
16G_Auditor		Depasquale	D	0.389888048
16G_Auditor		Brown	R	0.610111952
16G_President	47.85%	Clinton	D	0.376764923
16G_President	48.58%	Trump	R	0.623235106
16G_Treasurer		Torsella	D	0.382557154
16G_Treasurer		Voit	R	0.617442846
16G_US_Senate	47.34%	McGinty	D	0.370728165
16G_US_Senate	48.77%	Toomey	R	0.629271865
16P_AG	16.22%	Morganelli	D	0.189396739
16P_AG	47.03%	Shapiro	D	0.584482014
16P_AG	36.74%	Zappala	D	0.226121277
16P_President	55.61%	Clinton	D	0.48239702
16P_President	0.86%	DeLaFuente	D	0.006372437
16P_President	43.53%	Sanders	D	0.511230528
16P_US_Senate	19.49%	Fetterman	D	0.153086737
16P_US_Senate	42.50%	McGinty	D	0.517783165
16P_US_Senate	32.57%	Sestak	D	0.31954962
16P_US_Senate	5.45%	Vodvarka	D	0.009580467

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.327518851
17G_Supreme_Court		Mundy	R	0.67248112
18G_Governor	57.77%	Wolf	D	0.467902988
18G_Governor	40.70%	Wagner	R	0.532097042
18G_US_Senator		Casey	D	0.439552695
18G_US_Senator		Barletta	R	0.560447276
18P_Lt_Governor	23.78%	Ahmad	D	0.375716209
18P_Lt_Governor	18.55%	Cozzone	D	0.237445235
18P_Lt_Governor	37.48%	Fetterman	D	0.273171544
18P_Lt_Governor	3.58%	Sosa	D	0.028648466
18P_Lt_Governor	16.62%	Stack	D	0.085018538
20G_AG		Shapiro	D	0.393577486
20G_AG		Heidelbaugh	R	0.606422484
20G_Auditor	46.35%	Ahmad	D	0.365443081
20G_Auditor	49.44%	Defoor	R	0.63455689
20G_President	50.01%	Biden	D	0.399598569
20G_President	48.84%	Trump	R	0.600401461
20G_Treasurer		Torsella	D	0.370055407
20G_Treasurer		Garrity	R	0.629944623
20P_Auditor	36.44%	Ahmad	D	0.136353195
20P_Auditor	7.47%	Conklin	D	0.034786142
20P_Auditor	5.99%	Davis	D	0.022878647
20P_Auditor	9.00%	Fountain	D	0.104835436
20P_Auditor	13.97%	Hartman	D	0.655654311
20P_Auditor	27.14%	Lamb	D	0.045492288
20P_President	79.26%	Biden	D	0.7661708
20P_President	2.70%	Gabbard	D	0.025783515
20P_President	18.04%	Sanders	D	0.208045706

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.568995297
12G_AG	41.56%	Freed	R	0.431004733
12G_Auditor		Depasquale	D	0.494327933
12G_Auditor		Maher	R	0.505672097
12G_President		Obama	D	0.490509659
12G_President		Romney	R	0.509490311
12G_Treasurer		McCord	D	0.53275758
12G_Treasurer		Vaughan	R	0.46724239
12G_US_Senate	53.69%	Casey	D	0.510588646
12G_US_Senate	44.59%	Smith	R	0.489411354
12P_AG	52.82%	Kane	D	0.714232266
12P_AG	47.18%	Murphy	D	0.285767734
12P_US_Senate	80.88%	Casey	D	0.882340431
12P_US_Senate	19.12%	Vodvarka	D	0.117659546
14G_Governor	54.93%	Wolf	D	0.538762987
14G_Governor	45.07%	Corbett	R	0.461237013
14P_Governor	16.84%	McCord	D	0.227906689
14P_Governor	7.66%	McGinty	D	0.089644961
14P_Governor	17.64%	Schwartz	D	0.073508874
14P_Governor	57.86%	Wolf	D	0.608939469
14P_Lt_Governor	15.88%	Critz	D	0.047135726
14P_Lt_Governor	11.91%	Koplinski	D	0.152032331
14P_Lt_Governor	10.84%	Neuman	D	0.053601142
14P_Lt_Governor	14.57%	Smith	D	0.326836228
14P_Lt_Governor	46.79%	Stack	D	0.42039457
16G_AG	51.39%	Shapiro	D	0.446115315
16G_AG	48.61%	Rafferty	R	0.553884685
16G_Auditor		Depasquale	D	0.455972105
16G_Auditor		Brown	R	0.544027865
16G_President	47.85%	Clinton	D	0.368979722
16G_President	48.58%	Trump	R	0.631020248
16G_Treasurer		Torsella	D	0.47859019
16G_Treasurer		Voit	R	0.52140981
16G_US_Senate	47.34%	McGinty	D	0.420629621
16G_US_Senate	48.77%	Toomey	R	0.579370379
16P_AG	16.22%	Morganelli	D	0.376065433
16P_AG	47.03%	Shapiro	D	0.388726979
16P_AG	36.74%	Zappala	D	0.235207587
16P_President	55.61%	Clinton	D	0.517234445
16P_President	0.86%	DeLaFuente	D	0.011213381
16P_President	43.53%	Sanders	D	0.471552163
16P_US_Senate	19.49%	Fetterman	D	0.099219866
16P_US_Senate	42.50%	McGinty	D	0.484787405
16P_US_Senate	32.57%	Sestak	D	0.378468335
16P_US_Senate	5.45%	Vodvarka	D	0.03752438

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.362181067
17G_Supreme_Court		Mundy	R	0.637818933
18G_Governor	57.77%	Wolf	D	0.491154462
18G_Governor	40.70%	Wagner	R	0.508845568
18G_US_Senator		Casey	D	0.438646913
18G_US_Senator		Barletta	R	0.561353087
18P_Lt_Governor	23.78%	Ahmad	D	0.241373777
18P_Lt_Governor	18.55%	Cozzone	D	0.184379622
18P_Lt_Governor	37.48%	Fetterman	D	0.22771959
18P_Lt_Governor	3.58%	Sosa	D	0.041540835
18P_Lt_Governor	16.62%	Stack	D	0.304986179
20G_AG		Shapiro	D	0.446925431
20G_AG		Heidelbaugh	R	0.553074598
20G_Auditor	46.35%	Ahmad	D	0.399001688
20G_Auditor	49.44%	Defoor	R	0.600998282
20G_President	50.01%	Biden	D	0.396076947
20G_President	48.84%	Trump	R	0.603923082
20G_Treasurer		Torsella	D	0.409818709
20G_Treasurer		Garrity	R	0.590181291
20P_Auditor	36.44%	Ahmad	D	0.197643772
20P_Auditor	7.47%	Conklin	D	0.091080226
20P_Auditor	5.99%	Davis	D	0.276236951
20P_Auditor	9.00%	Fountain	D	0.103300601
20P_Auditor	13.97%	Hartman	D	0.175760046
20P_Auditor	27.14%	Lamb	D	0.155978411
20P_President	79.26%	Biden	D	0.789034665
20P_President	2.70%	Gabbard	D	0.041838307
20P_President	18.04%	Sanders	D	0.169127032

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.569873452
12G_AG	41.56%	Freed	R	0.430126518
12G_Auditor		Depasquale	D	0.515189469
12G_Auditor		Maher	R	0.484810531
12G_President		Obama	D	0.536985159
12G_President		Romney	R	0.463014871
12G_Treasurer		McCord	D	0.544367194
12G_Treasurer		Vaughan	R	0.455632776
12G_US_Senate	53.69%	Casey	D	0.548508167
12G_US_Senate	44.59%	Smith	R	0.451491833
12P_AG	52.82%	Kane	D	0.494334877
12P_AG	47.18%	Murphy	D	0.505665123
12P_US_Senate	80.88%	Casey	D	0.820482731
12P_US_Senate	19.12%	Vodvarka	D	0.179517284
14G_Governor	54.93%	Wolf	D	0.552418113
14G_Governor	45.07%	Corbett	R	0.447581857
14P_Governor	16.84%	McCord	D	0.154966608
14P_Governor	7.66%	McGinty	D	0.061678402
14P_Governor	17.64%	Schwartz	D	0.150191888
14P_Governor	57.86%	Wolf	D	0.633163095
14P_Lt_Governor	15.88%	Critz	D	0.05534143
14P_Lt_Governor	11.91%	Koplinski	D	0.154279694
14P_Lt_Governor	10.84%	Neuman	D	0.073376484
14P_Lt_Governor	14.57%	Smith	D	0.224492759
14P_Lt_Governor	46.79%	Stack	D	0.492509633
16G_AG	51.39%	Shapiro	D	0.526860714
16G_AG	48.61%	Rafferty	R	0.473139256
16G_Auditor		Depasquale	D	0.503889203
16G_Auditor		Brown	R	0.496110827
16G_President	47.85%	Clinton	D	0.506626844
16G_President	48.58%	Trump	R	0.493373185
16G_Treasurer		Torsella	D	0.537092507
16G_Treasurer		Voit	R	0.462907493
16G_US_Senate	47.34%	McGinty	D	0.494092166
16G_US_Senate	48.77%	Toomey	R	0.505907834
16P_AG	16.22%	Morganelli	D	0.667240262
16P_AG	47.03%	Shapiro	D	0.246558294
16P_AG	36.74%	Zappala	D	0.086201422
16P_President	55.61%	Clinton	D	0.5187639
16P_President	0.86%	DeLaFuente	D	0.00742991
16P_President	43.53%	Sanders	D	0.473806202
16P_US_Senate	19.49%	Fetterman	D	0.110028692
16P_US_Senate	42.50%	McGinty	D	0.418776274
16P_US_Senate	32.57%	Sestak	D	0.431120306
16P_US_Senate	5.45%	Vodvarka	D	0.040074732

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.485058606
17G_Supreme_Court		Mundy	R	0.514941394
18G_Governor	57.77%	Wolf	D	0.598692715
18G_Governor	40.70%	Wagner	R	0.401307315
18G_US_Senator		Casey	D	0.571151376
18G_US_Senator		Barletta	R	0.428848654
18P_Lt_Governor	23.78%	Ahmad	D	0.296663374
18P_Lt_Governor	18.55%	Cozzone	D	0.238779038
18P_Lt_Governor	37.48%	Fetterman	D	0.186727628
18P_Lt_Governor	3.58%	Sosa	D	0.063222937
18P_Lt_Governor	16.62%	Stack	D	0.214607015
20G_AG		Shapiro	D	0.53594327
20G_AG		Heidelbaugh	R	0.46405676
20G_Auditor	46.35%	Ahmad	D	0.507158756
20G_Auditor	49.44%	Defoor	R	0.492841274
20G_President	50.01%	Biden	D	0.525591731
20G_President	48.84%	Trump	R	0.474408269
20G_Treasurer		Torsella	D	0.517964363
20G_Treasurer		Garrity	R	0.482035607
20P_Auditor	36.44%	Ahmad	D	0.329260558
20P_Auditor	7.47%	Conklin	D	0.079284161
20P_Auditor	5.99%	Davis	D	0.208587885
20P_Auditor	9.00%	Fountain	D	0.097395852
20P_Auditor	13.97%	Hartman	D	0.164583087
20P_Auditor	27.14%	Lamb	D	0.120888457
20P_President	79.26%	Biden	D	0.79018569
20P_President	2.70%	Gabbard	D	0.024005305
20P_President	18.04%	Sanders	D	0.185809016

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.53849566
12G_AG	41.56%	Freed	R	0.46150434
12G_Auditor		Depasquale	D	0.465671629
12G_Auditor		Maher	R	0.534328401
12G_President		Obama	D	0.510003746
12G_President		Romney	R	0.489996284
12G_Treasurer		McCord	D	0.503309846
12G_Treasurer		Vaughan	R	0.496690154
12G_US_Senate	53.69%	Casey	D	0.524614573
12G_US_Senate	44.59%	Smith	R	0.475385427
12P_AG	52.82%	Kane	D	0.494300395
12P_AG	47.18%	Murphy	D	0.505699635
12P_US_Senate	80.88%	Casey	D	0.82475847
12P_US_Senate	19.12%	Vodvarka	D	0.17524156
14G_Governor	54.93%	Wolf	D	0.523603618
14G_Governor	45.07%	Corbett	R	0.476396382
14P_Governor	16.84%	McCord	D	0.164882362
14P_Governor	7.66%	McGinty	D	0.075781152
14P_Governor	17.64%	Schwartz	D	0.157195315
14P_Governor	57.86%	Wolf	D	0.602141142
14P_Lt_Governor	15.88%	Critz	D	0.052892212
14P_Lt_Governor	11.91%	Koplinski	D	0.189091414
14P_Lt_Governor	10.84%	Neuman	D	0.060548589
14P_Lt_Governor	14.57%	Smith	D	0.189688474
14P_Lt_Governor	46.79%	Stack	D	0.5077793
16G_AG	51.39%	Shapiro	D	0.492116332
16G_AG	48.61%	Rafferty	R	0.507883668
16G_Auditor		Depasquale	D	0.473093331
16G_Auditor		Brown	R	0.526906669
16G_President	47.85%	Clinton	D	0.50267446
16G_President	48.58%	Trump	R	0.49732554
16G_Treasurer		Torsella	D	0.506056905
16G_Treasurer		Voit	R	0.493943095
16G_US_Senate	47.34%	McGinty	D	0.476071686
16G_US_Senate	48.77%	Toomey	R	0.523928344
16P_AG	16.22%	Morganelli	D	0.176373318
16P_AG	47.03%	Shapiro	D	0.60003221
16P_AG	36.74%	Zappala	D	0.223594487
16P_President	55.61%	Clinton	D	0.509247899
16P_President	0.86%	DeLaFuente	D	0.006667688
16P_President	43.53%	Sanders	D	0.484084398
16P_US_Senate	19.49%	Fetterman	D	0.095505774
16P_US_Senate	42.50%	McGinty	D	0.475457162
16P_US_Senate	32.57%	Sestak	D	0.403361678
16P_US_Senate	5.45%	Vodvarka	D	0.025675377

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.455311179
17G_Supreme_Court		Mundy	R	0.544688821
18G_Governor	57.77%	Wolf	D	0.586878121
18G_Governor	40.70%	Wagner	R	0.413121849
18G_US_Senator		Casey	D	0.568843186
18G_US_Senator		Barletta	R	0.431156814
18P_Lt_Governor	23.78%	Ahmad	D	0.209560528
18P_Lt_Governor	18.55%	Cozzone	D	0.460077107
18P_Lt_Governor	37.48%	Fetterman	D	0.171287581
18P_Lt_Governor	3.58%	Sosa	D	0.038303778
18P_Lt_Governor	16.62%	Stack	D	0.120771013
20G_AG		Shapiro	D	0.524468839
20G_AG		Heidelbaugh	R	0.475531191
20G_Auditor	46.35%	Ahmad	D	0.493761539
20G_Auditor	49.44%	Defoor	R	0.506238461
20G_President	50.01%	Biden	D	0.528356075
20G_President	48.84%	Trump	R	0.471643925
20G_Treasurer		Torsella	D	0.507826388
20G_Treasurer		Garrity	R	0.492173642
20P_Auditor	36.44%	Ahmad	D	0.370164096
20P_Auditor	7.47%	Conklin	D	0.047595106
20P_Auditor	5.99%	Davis	D	0.042786609
20P_Auditor	9.00%	Fountain	D	0.074422143
20P_Auditor	13.97%	Hartman	D	0.39962098
20P_Auditor	27.14%	Lamb	D	0.065411046
20P_President	79.26%	Biden	D	0.794879794
20P_President	2.70%	Gabbard	D	0.022012202
20P_President	18.04%	Sanders	D	0.183108032

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.585417628
12G_AG	41.56%	Freed	R	0.414582372
12G_Auditor		Depasquale	D	0.529748559
12G_Auditor		Maher	R	0.470251441
12G_President		Obama	D	0.580893636
12G_President		Romney	R	0.419106364
12G_Treasurer		McCord	D	0.556578219
12G_Treasurer		Vaughan	R	0.443421751
12G_US_Senate	53.69%	Casey	D	0.595614135
12G_US_Senate	44.59%	Smith	R	0.404385865
12P_AG	52.82%	Kane	D	0.384987742
12P_AG	47.18%	Murphy	D	0.615012288
12P_US_Senate	80.88%	Casey	D	0.868104041
12P_US_Senate	19.12%	Vodvarka	D	0.131895959
14G_Governor	54.93%	Wolf	D	0.586933851
14G_Governor	45.07%	Corbett	R	0.413066149
14P_Governor	16.84%	McCord	D	0.184852645
14P_Governor	7.66%	McGinty	D	0.067824319
14P_Governor	17.64%	Schwartz	D	0.244764522
14P_Governor	57.86%	Wolf	D	0.502558529
14P_Lt_Governor	15.88%	Critz	D	0.038510256
14P_Lt_Governor	11.91%	Koplinski	D	0.118710756
14P_Lt_Governor	10.84%	Neuman	D	0.047241759
14P_Lt_Governor	14.57%	Smith	D	0.132050559
14P_Lt_Governor	46.79%	Stack	D	0.66348666
16G_AG	51.39%	Shapiro	D	0.564822376
16G_AG	48.61%	Rafferty	R	0.435177624
16G_Auditor		Depasquale	D	0.546442986
16G_Auditor		Brown	R	0.453557014
16G_President	47.85%	Clinton	D	0.607911825
16G_President	48.58%	Trump	R	0.392088205
16G_Treasurer		Torsella	D	0.571448326
16G_Treasurer		Voit	R	0.428551674
16G_US_Senate	47.34%	McGinty	D	0.548393309
16G_US_Senate	48.77%	Toomey	R	0.451606691
16P_AG	16.22%	Morganelli	D	0.102888405
16P_AG	47.03%	Shapiro	D	0.672800899
16P_AG	36.74%	Zappala	D	0.224310726
16P_President	55.61%	Clinton	D	0.59444499
16P_President	0.86%	DeLaFuente	D	0.004208042
16P_President	43.53%	Sanders	D	0.401346982
16P_US_Senate	19.49%	Fetterman	D	0.067963272
16P_US_Senate	42.50%	McGinty	D	0.314995199
16P_US_Senate	32.57%	Sestak	D	0.594590664
16P_US_Senate	5.45%	Vodvarka	D	0.022450859

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.510938525
17G_Supreme_Court		Mundy	R	0.489061445
18G_Governor	57.77%	Wolf	D	0.667692006
18G_Governor	40.70%	Wagner	R	0.332307994
18G_US_Senator		Casey	D	0.650421441
18G_US_Senator		Barletta	R	0.349578589
18P_Lt_Governor	23.78%	Ahmad	D	0.342845559
18P_Lt_Governor	18.55%	Cozzone	D	0.333364069
18P_Lt_Governor	37.48%	Fetterman	D	0.163675264
18P_Lt_Governor	3.58%	Sosa	D	0.016380439
18P_Lt_Governor	16.62%	Stack	D	0.143734664
20G_AG		Shapiro	D	0.609249234
20G_AG		Heidelbaugh	R	0.390750766
20G_Auditor	46.35%	Ahmad	D	0.581101954
20G_Auditor	49.44%	Defoor	R	0.418898016
20G_President	50.01%	Biden	D	0.631017804
20G_President	48.84%	Trump	R	0.368982226
20G_Treasurer		Torsella	D	0.593478322
20G_Treasurer		Garrity	R	0.406521648
20P_Auditor	36.44%	Ahmad	D	0.629536688
20P_Auditor	7.47%	Conklin	D	0.036590505
20P_Auditor	5.99%	Davis	D	0.034110278
20P_Auditor	9.00%	Fountain	D	0.066516005
20P_Auditor	13.97%	Hartman	D	0.172476202
20P_Auditor	27.14%	Lamb	D	0.060770307
20P_President	79.26%	Biden	D	0.83131206
20P_President	2.70%	Gabbard	D	0.010836114
20P_President	18.04%	Sanders	D	0.157851845

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.624112248
12G_AG	41.56%	Freed	R	0.375887752
12G_Auditor		Depasquale	D	0.579037726
12G_Auditor		Maher	R	0.420962274
12G_President		Obama	D	0.610965669
12G_President		Romney	R	0.389034301
12G_Treasurer		McCord	D	0.60921216
12G_Treasurer		Vaughan	R	0.39078781
12G_US_Senate	53.69%	Casey	D	0.630261958
12G_US_Senate	44.59%	Smith	R	0.369738013
12P_AG	52.82%	Kane	D	0.37407282
12P_AG	47.18%	Murphy	D	0.62592721
12P_US_Senate	80.88%	Casey	D	0.883263648
12P_US_Senate	19.12%	Vodvarka	D	0.116736345
14G_Governor	54.93%	Wolf	D	0.641744196
14G_Governor	45.07%	Corbett	R	0.358255833
14P_Governor	16.84%	McCord	D	0.163040414
14P_Governor	7.66%	McGinty	D	0.038516872
14P_Governor	17.64%	Schwartz	D	0.403633654
14P_Governor	57.86%	Wolf	D	0.394809037
14P_Lt_Governor	15.88%	Critz	D	0.026705135
14P_Lt_Governor	11.91%	Koplinski	D	0.088911563
14P_Lt_Governor	10.84%	Neuman	D	0.052829724
14P_Lt_Governor	14.57%	Smith	D	0.110673256
14P_Lt_Governor	46.79%	Stack	D	0.72088033
15G_Mayor		Kenney	D	0.792826056
15G_Mayor		Bailey	R	0.180679888
15G_Mayor		Foster	U	0.015969031
15G_Mayor		Hart	U	0.009133801
15G_Mayor		Kindij	U	0.001391241
15G_Sheriff		Williams	D	0.686251402
15G_Sheriff		Sawyer	R	0.313748628
15P_Mayor		Abraham	D	0.110459775
15P_Mayor		Diaz	D	0.034183204
15P_Mayor		Kenney	D	0.68119216
15P_Mayor		Oliver	D	0.050497916
15P_Mayor		Street	D	0.008051416
15P_Mayor		Williams	D	0.115615509
16G_AG	51.39%	Shapiro	D	0.639671803
16G_AG	48.61%	Rafferty	R	0.360328168
16G_Auditor		Depasquale	D	0.602842987
16G_Auditor		Brown	R	0.397157043
16G_Congress_Dist1		Brady	D	
16G_Congress_Dist1		Williams	R	
16G_President	47.85%	Clinton	D	0.659401596

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.340598404
16G_Treasurer		Torsella	D	0.632771969
16G_Treasurer		Voit	R	0.367228001
16G_US_Senate	47.34%	McGinty	D	0.600607216
16G_US_Senate	48.77%	Toomey	R	0.399392784
16P_AG	16.22%	Morganelli	D	0.052098908
16P_AG	47.03%	Shapiro	D	0.804514527
16P_AG	36.74%	Zappala	D	0.143386543
16P_Congress_Dist2		Evans	D	0.379142046
16P_Congress_Dist2		Fattah	D	0.174672484
16P_Congress_Dist2		Gordon	D	0.142923191
16P_Congress_Dist2		Muroff	D	0.303262264
16P_President	55.61%	Clinton	D	0.595238626
16P_President	0.86%	DeLaFuente	D	0.003263781
16P_President	43.53%	Sanders	D	0.401497602
16P_US_Senate	19.49%	Fetterman	D	0.1105306
16P_US_Senate	42.50%	McGinty	D	0.444750816
16P_US_Senate	32.57%	Sestak	D	0.430350959
16P_US_Senate	5.45%	Vodvarka	D	0.014367607
17G_Supreme_Court		Woodruff	D	0.616722524
17G_Supreme_Court		Mundy	R	0.383277476
17P_DA		Deni	D	0.010391877
17P_DA		Khan	D	0.32682848
17P_DA		Krasner	D	0.401951462
17P_DA		Negrin	D	0.134539112
17P_DA		ONeill	D	0.049500238
17P_DA		Shabazz	D	0.042281453
17P_DA		Untermeyer	D	0.034507379
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.836450696
18G_Congress_Dist3		Leib	R	0.163549289
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.723225772
18G_Governor	40.70%	Wagner	R	0.276774228
18G_US_Senator		Casey	D	0.706063807
18G_US_Senator		Barletta	R	0.293936193
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.335561395
18P_Lt_Governor	18.55%	Cozzone	D	0.141009182
18P_Lt_Governor	37.48%	Fetterman	D	0.257235348
18P_Lt_Governor	3.58%	Sosa	D	0.111732855
18P_Lt_Governor	16.62%	Stack	D	0.15446122
19P_Mayor		Butkovitz	D	0.079092361
19P_Mayor		Kenney	D	0.786211371
19P_Mayor		Williams	D	0.134696245
19P_Municipal_Judge		Brunson	D	0.441353023
19P_Municipal_Judge		Conroy	D	0.558646977
19P_Register_Wills		Donatucci	D	0.285512865
19P_Register_Wills		Gordon	D	0.496122658
19P_Register_Wills		Whaumbush	D	0.218364462
20G_AG		Shapiro	D	0.681593597
20G_AG		Heidelbaugh	R	0.318406403
20G_Auditor	46.35%	Ahmad	D	0.639169872
20G_Auditor	49.44%	Defoor	R	0.360830128
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.678459942
20G_President	48.84%	Trump	R	0.321540028
20G_Treasurer		Torsella	D	0.656136274
20G_Treasurer		Garrity	R	0.343863726
20P_Auditor	36.44%	Ahmad	D	0.637249231
20P_Auditor	7.47%	Conklin	D	0.041203007
20P_Auditor	5.99%	Davis	D	0.039097745
20P_Auditor	9.00%	Fountain	D	0.073156059
20P_Auditor	13.97%	Hartman	D	0.137773708
20P_Auditor	27.14%	Lamb	D	0.071520261
20P_President	79.26%	Biden	D	0.817341805
20P_President	2.70%	Gabbard	D	0.013739478
20P_President	18.04%	Sanders	D	0.168918699
21G_Superior_Judge		Lane	D	0.828196466
21G_Superior_Judge		Sullivan	R	0.171803534
21P_DA		Krasner	D	0.694140315
21P_DA		Vega	D	0.305859655
21P_Superior_Judge		Beck	D	0.121275701
21P_Superior_Judge		Lane	D	0.84879005
21P_Superior_Judge		Neft	D	0.029934257

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.518758953
12G_AG	41.56%	Freed	R	0.481241047
12G_Auditor		Depasquale	D	0.47064361
12G_Auditor		Maher	R	0.52935636
12G_President		Obama	D	0.49832195
12G_President		Romney	R	0.50167805
12G_Treasurer		McCord	D	0.494601756
12G_Treasurer		Vaughan	R	0.505398273
12G_US_Senate	53.69%	Casey	D	0.514222562
12G_US_Senate	44.59%	Smith	R	0.485777467
12P_AG	52.82%	Kane	D	0.29539004
12P_AG	47.18%	Murphy	D	0.70460999
12P_US_Senate	80.88%	Casey	D	0.842202723
12P_US_Senate	19.12%	Vodvarka	D	0.157797262
14G_Governor	54.93%	Wolf	D	0.513851941
14G_Governor	45.07%	Corbett	R	0.486148089
14P_Governor	16.84%	McCord	D	0.157364592
14P_Governor	7.66%	McGinty	D	0.056837212
14P_Governor	17.64%	Schwartz	D	0.263490707
14P_Governor	57.86%	Wolf	D	0.522307456
14P_Lt_Governor	15.88%	Critz	D	0.035536386
14P_Lt_Governor	11.91%	Koplinski	D	0.108390152
14P_Lt_Governor	10.84%	Neuman	D	0.063698344
14P_Lt_Governor	14.57%	Smith	D	0.136106864
14P_Lt_Governor	46.79%	Stack	D	0.656268239
16G_AG	51.39%	Shapiro	D	0.496460021
16G_AG	48.61%	Rafferty	R	0.503539979
16G_Auditor		Depasquale	D	0.466761917
16G_Auditor		Brown	R	0.533238113
16G_President	47.85%	Clinton	D	0.494497269
16G_President	48.58%	Trump	R	0.50550276
16G_Treasurer		Torsella	D	0.493719846
16G_Treasurer		Voit	R	0.506280184
16G_US_Senate	47.34%	McGinty	D	0.4624044
16G_US_Senate	48.77%	Toomey	R	0.53759557
16P_AG	16.22%	Morganelli	D	0.164276764
16P_AG	47.03%	Shapiro	D	0.632152319
16P_AG	36.74%	Zappala	D	0.203570932
16P_President	55.61%	Clinton	D	0.551271379
16P_President	0.86%	DeLaFuente	D	0.009410203
16P_President	43.53%	Sanders	D	0.439318419
16P_US_Senate	19.49%	Fetterman	D	0.107994594
16P_US_Senate	42.50%	McGinty	D	0.434815913
16P_US_Senate	32.57%	Sestak	D	0.424513012
16P_US_Senate	5.45%	Vodvarka	D	0.032676499

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.477889419
17G_Supreme_Court		Mundy	R	0.522110581
18G_Governor	57.77%	Wolf	D	0.584933698
18G_Governor	40.70%	Wagner	R	0.415066332
18G_US_Senator		Casey	D	0.561575234
18G_US_Senator		Barletta	R	0.438424766
18P_Lt_Governor	23.78%	Ahmad	D	0.288074911
18P_Lt_Governor	18.55%	Cozzone	D	0.210718006
18P_Lt_Governor	37.48%	Fetterman	D	0.200166494
18P_Lt_Governor	3.58%	Sosa	D	0.085182101
18P_Lt_Governor	16.62%	Stack	D	0.215858474
20G_AG		Shapiro	D	0.516409755
20G_AG		Heidelbaugh	R	0.483590275
20G_Auditor	46.35%	Ahmad	D	0.476562828
20G_Auditor	49.44%	Defoor	R	0.523437202
20G_President	50.01%	Biden	D	0.514185667
20G_President	48.84%	Trump	R	0.485814363
20G_Treasurer		Torsella	D	0.497132152
20G_Treasurer		Garrity	R	0.502867877
20P_Auditor	36.44%	Ahmad	D	0.588074028
20P_Auditor	7.47%	Conklin	D	0.044165697
20P_Auditor	5.99%	Davis	D	0.045038491
20P_Auditor	9.00%	Fountain	D	0.088275447
20P_Auditor	13.97%	Hartman	D	0.159262821
20P_Auditor	27.14%	Lamb	D	0.075183511
20P_President	79.26%	Biden	D	0.817314386
20P_President	2.70%	Gabbard	D	0.020629428
20P_President	18.04%	Sanders	D	0.162056193

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.930448055
12G_AG	41.56%	Freed	R	0.069551945
12G_Auditor		Depasquale	D	0.921346962
12G_Auditor		Maher	R	0.078653045
12G_President		Obama	D	0.927255929
12G_President		Romney	R	0.072744071
12G_Treasurer		McCord	D	0.927647233
12G_Treasurer		Vaughan	R	0.072352797
12G_US_Senate	53.69%	Casey	D	0.931533813
12G_US_Senate	44.59%	Smith	R	0.068466187
12P_AG	52.82%	Kane	D	0.367292434
12P_AG	47.18%	Murphy	D	0.632707536
12P_US_Senate	80.88%	Casey	D	0.807398617
12P_US_Senate	19.12%	Vodvarka	D	0.192601413
14G_Governor	54.93%	Wolf	D	0.941248477
14G_Governor	45.07%	Corbett	R	0.058751523
14P_Governor	16.84%	McCord	D	0.157898009
14P_Governor	7.66%	McGinty	D	0.034306705
14P_Governor	17.64%	Schwartz	D	0.320932686
14P_Governor	57.86%	Wolf	D	0.4868626
14P_Lt_Governor	15.88%	Critz	D	0.035409518
14P_Lt_Governor	11.91%	Koplinski	D	0.033291638
14P_Lt_Governor	10.84%	Neuman	D	0.041825093
14P_Lt_Governor	14.57%	Smith	D	0.061703473
14P_Lt_Governor	46.79%	Stack	D	0.827770293
15G_Mayor		Kenney	D	0.917652667
15G_Mayor		Bailey	R	0.068744346
15G_Mayor		Foster	U	0.006626694
15G_Mayor		Hart	U	0.005593173
15G_Mayor		Kindij	U	0.001383094
15G_Sheriff		Williams	D	0.880799532
15G_Sheriff		Sawyer	R	0.119200461
15P_Mayor		Abraham	D	0.061172854
15P_Mayor		Diaz	D	0.020296983
15P_Mayor		Kenney	D	0.526241601
15P_Mayor		Oliver	D	0.046401162
15P_Mayor		Street	D	0.019345563
15P_Mayor		Williams	D	0.326541841
16G_AG	51.39%	Shapiro	D	0.913099885
16G_AG	48.61%	Rafferty	R	0.0869001
16G_Auditor		Depasquale	D	0.911212087
16G_Auditor		Brown	R	0.088787891
16G_Congress_Dist1		Brady	D	0.853770137
16G_Congress_Dist1		Williams	R	0.146229863
16G_President	47.85%	Clinton	D	0.920516551

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.079483435
16G_Treasurer		Torsella	D	0.918215454
16G_Treasurer		Voit	R	0.081784539
16G_US_Senate	47.34%	McGinty	D	0.903400481
16G_US_Senate	48.77%	Toomey	R	0.096599534
16P_AG	16.22%	Morganelli	D	0.094515093
16P_AG	47.03%	Shapiro	D	0.577197433
16P_AG	36.74%	Zappala	D	0.328287452
16P_Congress_Dist2		Evans	D	0.444950968
16P_Congress_Dist2		Fattah	D	0.389852524
16P_Congress_Dist2		Gordon	D	0.106200472
16P_Congress_Dist2		Muroff	D	0.05899604
16P_President	55.61%	Clinton	D	0.644392192
16P_President	0.86%	DeLaFuente	D	0.002462658
16P_President	43.53%	Sanders	D	0.353145123
16P_US_Senate	19.49%	Fetterman	D	0.171437591
16P_US_Senate	42.50%	McGinty	D	0.459170669
16P_US_Senate	32.57%	Sestak	D	0.260240912
16P_US_Senate	5.45%	Vodvarka	D	0.109150812
17G_Supreme_Court		Woodruff	D	0.90713042
17G_Supreme_Court		Mundy	R	0.092869572
17P_DA		Deni	D	0.011580486
17P_DA		Khan	D	0.183948815
17P_DA		Krasner	D	0.423500299
17P_DA		Negrin	D	0.12092562
17P_DA		ONeill	D	0.040015537
17P_DA		Shabazz	D	0.145415336
17P_DA		Untermeyer	D	0.074613899
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.949875414
18G_Congress_Dist3		Leib	R	0.050124574
18G_Congress_Dist5		Scanlon	D	0.803309083
18G_Congress_Dist5		Kim	R	0.196690932
18G_Governor	57.77%	Wolf	D	0.94041872
18G_Governor	40.70%	Wagner	R	0.059581261
18G_US_Senator		Casey	D	0.938357353
18G_US_Senator		Barletta	R	0.061642643
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.010880567
18P_Congress_Dist5		Davidson	D	0.021339405
18P_Congress_Dist5		Kirkland	D	0.025809716
18P_Congress_Dist5		Lazer	D	0.411184222
18P_Congress_Dist5		Li	D	0.124409579
18P_Congress_Dist5		Lunkenheimer	D	0.067223348
18P_Congress_Dist5		Scanlon	D	0.08316464

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	0.133350208
18P_Congress_Dist5		Vitali	D	0.040991902
18P_Congress_Dist5		Wright	D	0.08164642
18P_Lt_Governor	23.78%	Ahmad	D	0.294060946
18P_Lt_Governor	18.55%	Cozzone	D	0.162536442
18P_Lt_Governor	37.48%	Fetterman	D	0.166897863
18P_Lt_Governor	3.58%	Sosa	D	0.008358412
18P_Lt_Governor	16.62%	Stack	D	0.36814633
19P_Mayor		Butkovitz	D	0.055239823
19P_Mayor		Kenney	D	0.678280056
19P_Mayor		Williams	D	0.266480118
19P_Municipal_Judge		Brunson	D	0.449836552
19P_Municipal_Judge		Conroy	D	0.550163448
19P_Register_Wills		Donatucci	D	0.395278871
19P_Register_Wills		Gordon	D	0.448091716
19P_Register_Wills		Whaumbush	D	0.156629413
20G_AG		Shapiro	D	0.905082762
20G_AG		Heidelbaugh	R	0.094917253
20G_Auditor	46.35%	Ahmad	D	0.899494827
20G_Auditor	49.44%	Defoor	R	0.100505166
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.904152453
20G_President	48.84%	Trump	R	0.095847532
20G_Treasurer		Torsella	D	0.898070812
20G_Treasurer		Garrity	R	0.101929165
20P_Auditor	36.44%	Ahmad	D	0.72894913
20P_Auditor	7.47%	Conklin	D	0.025379587
20P_Auditor	5.99%	Davis	D	0.04950187
20P_Auditor	9.00%	Fountain	D	0.066942476
20P_Auditor	13.97%	Hartman	D	0.034019064
20P_Auditor	27.14%	Lamb	D	0.095207877
20P_President	79.26%	Biden	D	0.801927209
20P_President	2.70%	Gabbard	D	0.010461668
20P_President	18.04%	Sanders	D	0.187611103
21G_Superior_Judge		Lane	D	0.906229496
21G_Superior_Judge		Sullivan	R	0.093770504
21P_DA		Krasner	D	0.771524489
21P_DA		Vega	D	0.228475526
21P_Superior_Judge		Beck	D	0.102116346
21P_Superior_Judge		Lane	D	0.873841524
21P_Superior_Judge		Neft	D	0.024042126

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.798934102
12G_AG	41.56%	Freed	R	0.201065883
12G_Auditor		Depasquale	D	0.766076565
12G_Auditor		Maher	R	0.233923465
12G_President		Obama	D	0.780356586
12G_President		Romney	R	0.219643384
12G_Treasurer		McCord	D	0.793260157
12G_Treasurer		Vaughan	R	0.206739843
12G_US_Senate	53.69%	Casey	D	0.798685551
12G_US_Senate	44.59%	Smith	R	0.201314449
12P_AG	52.82%	Kane	D	0.357354015
12P_AG	47.18%	Murphy	D	0.642646015
12P_US_Senate	80.88%	Casey	D	0.783228993
12P_US_Senate	19.12%	Vodvarka	D	0.216771007
14G_Governor	54.93%	Wolf	D	0.800868332
14G_Governor	45.07%	Corbett	R	0.199131697
14P_Governor	16.84%	McCord	D	0.1364007
14P_Governor	7.66%	McGinty	D	0.05104183
14P_Governor	17.64%	Schwartz	D	0.327139616
14P_Governor	57.86%	Wolf	D	0.485417873
14P_Lt_Governor	15.88%	Critz	D	0.040167972
14P_Lt_Governor	11.91%	Koplinski	D	0.032279585
14P_Lt_Governor	10.84%	Neuman	D	0.032907516
14P_Lt_Governor	14.57%	Smith	D	0.054610386
14P_Lt_Governor	46.79%	Stack	D	0.840034544
15G_Mayor		Kenney	D	0.772542834
15G_Mayor		Bailey	R	0.215935603
15G_Mayor		Foster	U	0.006368934
15G_Mayor		Hart	U	0.003858955
15G_Mayor		Kindij	U	0.00129369
15G_Sheriff		Williams	D	0.674260557
15G_Sheriff		Sawyer	R	0.325739413
15P_Mayor		Abraham	D	0.121932201
15P_Mayor		Diaz	D	0.068092339
15P_Mayor		Kenney	D	0.593887389
15P_Mayor		Oliver	D	0.03368187
15P_Mayor		Street	D	0.013753963
15P_Mayor		Williams	D	0.168652207
16G_AG	51.39%	Shapiro	D	0.772169352
16G_AG	48.61%	Rafferty	R	0.227830648
16G_Auditor		Depasquale	D	0.758941293
16G_Auditor		Brown	R	0.241058692
16G_Congress_Dist1		Brady	D	0.811323345
16G_Congress_Dist1		Williams	R	0.188676625
16G_President	47.85%	Clinton	D	0.751225412

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.248774573
16G_Treasurer		Torsella	D	0.78675729
16G_Treasurer		Voit	R	0.213242739
16G_US_Senate	47.34%	McGinty	D	0.740398586
16G_US_Senate	48.77%	Toomey	R	0.259601444
16P_AG	16.22%	Morganelli	D	0.125211194
16P_AG	47.03%	Shapiro	D	0.513814211
16P_AG	36.74%	Zappala	D	0.36097458
16P_Congress_Dist2		Evans	D	0.429542363
16P_Congress_Dist2		Fattah	D	0.419347525
16P_Congress_Dist2		Gordon	D	0.133590087
16P_Congress_Dist2		Muroff	D	0.017520012
16P_President	55.61%	Clinton	D	0.608033061
16P_President	0.86%	DeLaFuente	D	0.007200052
16P_President	43.53%	Sanders	D	0.384766877
16P_US_Senate	19.49%	Fetterman	D	0.19841595
16P_US_Senate	42.50%	McGinty	D	0.389640749
16P_US_Senate	32.57%	Sestak	D	0.28055492
16P_US_Senate	5.45%	Vodvarka	D	0.131388396
17G_Supreme_Court		Woodruff	D	0.63942641
17G_Supreme_Court		Mundy	R	0.36057356
17P_DA		Deni	D	0.023888195
17P_DA		Khan	D	0.209077507
17P_DA		Krasner	D	0.287305772
17P_DA		Negrin	D	0.190324172
17P_DA		ONeill	D	0.10501875
17P_DA		Shabazz	D	0.073316664
17P_DA		Untermeyer	D	0.111068942
18G_Congress_Dist2		Boyle	D	0.790169418
18G_Congress_Dist2		Torres	R	0.209830582
18G_Congress_Dist3		Evans	D	0.869818985
18G_Congress_Dist3		Leib	R	0.130181015
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.805172741
18G_Governor	40.70%	Wagner	R	0.194827259
18G_US_Senator		Casey	D	0.799425721
18G_US_Senator		Barletta	R	0.200574309
18P_Congress_Dist2		Boyle	D	0.645664334
18P_Congress_Dist2		Lawrence	D	0.354335666
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (1)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.200588435
18P_Lt_Governor	18.55%	Cozzone	D	0.161746532
18P_Lt_Governor	37.48%	Fetterman	D	0.172823027
18P_Lt_Governor	3.58%	Sosa	D	0.013524205
18P_Lt_Governor	16.62%	Stack	D	0.451317817
19P_Mayor		Butkovitz	D	0.158259228
19P_Mayor		Kenney	D	0.623102665
19P_Mayor		Williams	D	0.218638107
19P_Municipal_Judge		Brunson	D	0.435569108
19P_Municipal_Judge		Conroy	D	0.564430892
19P_Register_Wills		Donatucci	D	0.433739632
19P_Register_Wills		Gordon	D	0.415815324
19P_Register_Wills		Whaumbush	D	0.150445029
20G_AG		Shapiro	D	0.73740679
20G_AG		Heidelbaugh	R	0.26259324
20G_Auditor	46.35%	Ahmad	D	0.718772411
20G_Auditor	49.44%	Defoor	R	0.281227618
20G_Congress_Dist2		Boyle	D	0.72522229
20G_Congress_Dist2		Torres	R	0.27477774
20G_President	50.01%	Biden	D	0.714605331
20G_President	48.84%	Trump	R	0.285394669
20G_Treasurer		Torsella	D	0.724632263
20G_Treasurer		Garrity	R	0.275367737
20P_Auditor	36.44%	Ahmad	D	0.694214702
20P_Auditor	7.47%	Conklin	D	0.03526029
20P_Auditor	5.99%	Davis	D	0.057508908
20P_Auditor	9.00%	Fountain	D	0.055199672
20P_Auditor	13.97%	Hartman	D	0.056398697
20P_Auditor	27.14%	Lamb	D	0.101417743
20P_President	79.26%	Biden	D	0.786864817
20P_President	2.70%	Gabbard	D	0.022331249
20P_President	18.04%	Sanders	D	0.190803945
21G_Superior_Judge		Lane	D	0.628240824
21G_Superior_Judge		Sullivan	R	0.371759206
21P_DA		Krasner	D	0.479997486
21P_DA		Vega	D	0.520002484
21P_Superior_Judge		Beck	D	0.178960532
21P_Superior_Judge		Lane	D	0.771395564
21P_Superior_Judge		Neft	D	0.049643889

Republican Congressmen (2)

**Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.506484032
12G_AG	41.56%	Freed	R	0.493515939
12G_Auditor		Depasquale	D	0.444751024
12G_Auditor		Maher	R	0.555248976
12G_President		Obama	D	0.460053205
12G_President		Romney	R	0.539946795
12G_Treasurer		McCord	D	0.484949797
12G_Treasurer		Vaughan	R	0.515050173
12G_US_Senate	53.69%	Casey	D	0.468922049
12G_US_Senate	44.59%	Smith	R	0.531077981
12P_AG	52.82%	Kane	D	0.681001246
12P_AG	47.18%	Murphy	D	0.318998724
12P_US_Senate	80.88%	Casey	D	0.772877634
12P_US_Senate	19.12%	Vodvarka	D	0.227122381
14G_Governor	54.93%	Wolf	D	0.481020182
14G_Governor	45.07%	Corbett	R	0.518979788
14P_Governor	16.84%	McCord	D	0.253315657
14P_Governor	7.66%	McGinty	D	0.08936248
14P_Governor	17.64%	Schwartz	D	0.073310159
14P_Governor	57.86%	Wolf	D	0.584011734
14P_Lt_Governor	15.88%	Critz	D	0.173033312
14P_Lt_Governor	11.91%	Koplinski	D	0.097087137
14P_Lt_Governor	10.84%	Neuman	D	0.21977523
14P_Lt_Governor	14.57%	Smith	D	0.29597339
14P_Lt_Governor	46.79%	Stack	D	0.214130923
16G_AG	51.39%	Shapiro	D	0.417797834
16G_AG	48.61%	Rafferty	R	0.582202137
16G_Auditor		Depasquale	D	0.435691029
16G_Auditor		Brown	R	0.564308941
16G_President	47.85%	Clinton	D	0.384103805
16G_President	48.58%	Trump	R	0.615896225
16G_Treasurer		Torsella	D	0.45339036
16G_Treasurer		Voit	R	0.54660964
16G_US_Senate	47.34%	McGinty	D	0.392589867
16G_US_Senate	48.77%	Toomey	R	0.607410133
16P_AG	16.22%	Morganelli	D	0.167002842
16P_AG	47.03%	Shapiro	D	0.365714937
16P_AG	36.74%	Zappala	D	0.467282236
16P_President	55.61%	Clinton	D	0.531317472
16P_President	0.86%	DeLaFuente	D	0.012543168
16P_President	43.53%	Sanders	D	0.456139326
16P_US_Senate	19.49%	Fetterman	D	0.243285611
16P_US_Senate	42.50%	McGinty	D	0.377058595
16P_US_Senate	32.57%	Sestak	D	0.308670044
16P_US_Senate	5.45%	Vodvarka	D	0.070985734

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.395980537
17G_Supreme_Court		Mundy	R	0.604019463
18G_Governor	57.77%	Wolf	D	0.493044406
18G_Governor	40.70%	Wagner	R	0.506955564
18G_US_Senator		Casey	D	0.478258431
18G_US_Senator		Barletta	R	0.521741569
18P_Lt_Governor	23.78%	Ahmad	D	0.102478199
18P_Lt_Governor	18.55%	Cozzone	D	0.193652332
18P_Lt_Governor	37.48%	Fetterman	D	0.627631009
18P_Lt_Governor	3.58%	Sosa	D	0.025012149
18P_Lt_Governor	16.62%	Stack	D	0.05122631
20G_AG		Shapiro	D	0.430511951
20G_AG		Heidelbaugh	R	0.569488049
20G_Auditor	46.35%	Ahmad	D	0.377459854
20G_Auditor	49.44%	Defoor	R	0.622540116
20G_President	50.01%	Biden	D	0.395047635
20G_President	48.84%	Trump	R	0.604952335
20G_Treasurer		Torsella	D	0.394422531
20G_Treasurer		Garrity	R	0.605577469
20P_Auditor	36.44%	Ahmad	D	0.127163678
20P_Auditor	7.47%	Conklin	D	0.076727808
20P_Auditor	5.99%	Davis	D	0.050324291
20P_Auditor	9.00%	Fountain	D	0.064132787
20P_Auditor	13.97%	Hartman	D	0.097942673
20P_Auditor	27.14%	Lamb	D	0.583708763
20P_President	79.26%	Biden	D	0.793260753
20P_President	2.70%	Gabbard	D	0.036924392
20P_President	18.04%	Sanders	D	0.16981484

**Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.540843248
12G_AG	41.56%	Freed	R	0.459156722
12G_Auditor		Depasquale	D	0.481050968
12G_Auditor		Maher	R	0.518949032
12G_President		Obama	D	0.46698609
12G_President		Romney	R	0.53301388
12G_Treasurer		McCord	D	0.506212711
12G_Treasurer		Vaughan	R	0.493787289
12G_US_Senate	53.69%	Casey	D	0.506627142
12G_US_Senate	44.59%	Smith	R	0.493372887
12P_AG	52.82%	Kane	D	0.540951967
12P_AG	47.18%	Murphy	D	0.459048003
12P_US_Senate	80.88%	Casey	D	0.720047653
12P_US_Senate	19.12%	Vodvarka	D	0.279952377
14G_Governor	54.93%	Wolf	D	0.499529541
14G_Governor	45.07%	Corbett	R	0.500470459
14P_Governor	16.84%	McCord	D	0.173070058
14P_Governor	7.66%	McGinty	D	0.107569344
14P_Governor	17.64%	Schwartz	D	0.100141041
14P_Governor	57.86%	Wolf	D	0.619219542
14P_Lt_Governor	15.88%	Critz	D	0.301914781
14P_Lt_Governor	11.91%	Koplinski	D	0.037385765
14P_Lt_Governor	10.84%	Neuman	D	0.329766184
14P_Lt_Governor	14.57%	Smith	D	0.072753884
14P_Lt_Governor	46.79%	Stack	D	0.258179367
16G_AG	51.39%	Shapiro	D	0.488859773
16G_AG	48.61%	Rafferty	R	0.511140227
16G_Auditor		Depasquale	D	0.550507605
16G_Auditor		Brown	R	0.449492365
16G_President	47.85%	Clinton	D	0.465231776
16G_President	48.58%	Trump	R	0.534768224
16G_Treasurer		Torsella	D	0.528480291
16G_Treasurer		Voit	R	0.471519679
16G_US_Senate	47.34%	McGinty	D	0.463895619
16G_US_Senate	48.77%	Toomey	R	0.536104381
16P_AG	16.22%	Morganelli	D	0.049809471
16P_AG	47.03%	Shapiro	D	0.191824839
16P_AG	36.74%	Zappala	D	0.758365691
16P_President	55.61%	Clinton	D	0.559947371
16P_President	0.86%	DeLaFuente	D	0.011414248
16P_President	43.53%	Sanders	D	0.428638399
16P_US_Senate	19.49%	Fetterman	D	0.341324985
16P_US_Senate	42.50%	McGinty	D	0.384384245
16P_US_Senate	32.57%	Sestak	D	0.208032563
16P_US_Senate	5.45%	Vodvarka	D	0.066258214

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.518551528
17G_Supreme_Court		Mundy	R	0.481448442
18G_Governor	57.77%	Wolf	D	0.586099863
18G_Governor	40.70%	Wagner	R	0.413900107
18G_US_Senator		Casey	D	0.568284273
18G_US_Senator		Barletta	R	0.431715697
18P_Lt_Governor	23.78%	Ahmad	D	0.117563918
18P_Lt_Governor	18.55%	Cozzone	D	0.091271497
18P_Lt_Governor	37.48%	Fetterman	D	0.748002231
18P_Lt_Governor	3.58%	Sosa	D	0.012919709
18P_Lt_Governor	16.62%	Stack	D	0.030242629
20G_AG		Shapiro	D	0.53746289
20G_AG		Heidelbaugh	R	0.46253711
20G_Auditor	46.35%	Ahmad	D	0.473929703
20G_Auditor	49.44%	Defoor	R	0.526070297
20G_President	50.01%	Biden	D	0.491945535
20G_President	48.84%	Trump	R	0.508054435
20G_Treasurer		Torsella	D	0.486525387
20G_Treasurer		Garrity	R	0.513474584
20P_Auditor	36.44%	Ahmad	D	0.09986046
20P_Auditor	7.47%	Conklin	D	0.017871838
20P_Auditor	5.99%	Davis	D	0.016574834
20P_Auditor	9.00%	Fountain	D	0.033757918
20P_Auditor	13.97%	Hartman	D	0.034750797
20P_Auditor	27.14%	Lamb	D	0.797184169
20P_President	79.26%	Biden	D	0.792361438
20P_President	2.70%	Gabbard	D	0.039238852
20P_President	18.04%	Sanders	D	0.168399692

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.689152479
12G_AG	41.56%	Freed	R	0.310847521
12G_Auditor		Depasquale	D	0.654648662
12G_Auditor		Maher	R	0.345351309
12G_President		Obama	D	0.636810482
12G_President		Romney	R	0.363189548
12G_Treasurer		McCord	D	0.67542243
12G_Treasurer		Vaughan	R	0.3245776
12G_US_Senate	53.69%	Casey	D	0.665268362
12G_US_Senate	44.59%	Smith	R	0.334731638
12P_AG	52.82%	Kane	D	0.521859527
12P_AG	47.18%	Murphy	D	0.478140444
12P_US_Senate	80.88%	Casey	D	0.720186472
12P_US_Senate	19.12%	Vodvarka	D	0.279813528
14G_Governor	54.93%	Wolf	D	0.64008677
14G_Governor	45.07%	Corbett	R	0.35991326
14P_Governor	16.84%	McCord	D	0.144274816
14P_Governor	7.66%	McGinty	D	0.104430206
14P_Governor	17.64%	Schwartz	D	0.151213199
14P_Governor	57.86%	Wolf	D	0.600081801
14P_Lt_Governor	15.88%	Critz	D	0.295600563
14P_Lt_Governor	11.91%	Koplinski	D	0.072118536
14P_Lt_Governor	10.84%	Neuman	D	0.197311193
14P_Lt_Governor	14.57%	Smith	D	0.072133802
14P_Lt_Governor	46.79%	Stack	D	0.362835914
16G_AG	51.39%	Shapiro	D	0.655031323
16G_AG	48.61%	Rafferty	R	0.344968677
16G_Auditor		Depasquale	D	0.710707009
16G_Auditor		Brown	R	0.289293021
16G_President	47.85%	Clinton	D	0.637227178
16G_President	48.58%	Trump	R	0.362772852
16G_Treasurer		Torsella	D	0.690073371
16G_Treasurer		Voit	R	0.309926629
16G_US_Senate	47.34%	McGinty	D	0.637483239
16G_US_Senate	48.77%	Toomey	R	0.362516731
16P_AG	16.22%	Morganelli	D	0.041369915
16P_AG	47.03%	Shapiro	D	0.245556444
16P_AG	36.74%	Zappala	D	0.713073611
16P_President	55.61%	Clinton	D	0.548877597
16P_President	0.86%	DeLaFuente	D	0.007691952
16P_President	43.53%	Sanders	D	0.443430454
16P_US_Senate	19.49%	Fetterman	D	0.447528034
16P_US_Senate	42.50%	McGinty	D	0.320513934
16P_US_Senate	32.57%	Sestak	D	0.17556031
16P_US_Senate	5.45%	Vodvarka	D	0.056397717

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.678957641
17G_Supreme_Court		Mundy	R	0.321042329
18G_Governor	57.77%	Wolf	D	0.728736579
18G_Governor	40.70%	Wagner	R	0.27126345
18G_US_Senator		Casey	D	0.715680599
18G_US_Senator		Barletta	R	0.284319371
18P_Lt_Governor	23.78%	Ahmad	D	0.138573527
18P_Lt_Governor	18.55%	Cozzone	D	0.059568264
18P_Lt_Governor	37.48%	Fetterman	D	0.768516064
18P_Lt_Governor	3.58%	Sosa	D	0.009014445
18P_Lt_Governor	16.62%	Stack	D	0.024327688
20G_AG		Shapiro	D	0.687889159
20G_AG		Heidelbaugh	R	0.312110841
20G_Auditor	46.35%	Ahmad	D	0.641670763
20G_Auditor	49.44%	Defoor	R	0.358329207
20G_President	50.01%	Biden	D	0.645556808
20G_President	48.84%	Trump	R	0.354443192
20G_Treasurer		Torsella	D	0.6488083
20G_Treasurer		Garrity	R	0.3511917
20P_Auditor	36.44%	Ahmad	D	0.142833874
20P_Auditor	7.47%	Conklin	D	0.010113694
20P_Auditor	5.99%	Davis	D	0.017749872
20P_Auditor	9.00%	Fountain	D	0.054532494
20P_Auditor	13.97%	Hartman	D	0.025236722
20P_Auditor	27.14%	Lamb	D	0.749533355
20P_President	79.26%	Biden	D	0.746010065
20P_President	2.70%	Gabbard	D	0.029579867
20P_President	18.04%	Sanders	D	0.224410042

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.51774317
12G_AG	41.56%	Freed	R	0.48225683
12G_Auditor		Depasquale	D	0.444223732
12G_Auditor		Maher	R	0.555776238
12G_President		Obama	D	0.393476725
12G_President		Romney	R	0.606523275
12G_Treasurer		McCord	D	0.465675712
12G_Treasurer		Vaughan	R	0.534324288
12G_US_Senate	53.69%	Casey	D	0.444111198
12G_US_Senate	44.59%	Smith	R	0.555888772
12P_AG	52.82%	Kane	D	0.6022802
12P_AG	47.18%	Murphy	D	0.3977198
12P_US_Senate	80.88%	Casey	D	0.755708575
12P_US_Senate	19.12%	Vodvarka	D	0.24429144
14G_Governor	54.93%	Wolf	D	0.472198755
14G_Governor	45.07%	Corbett	R	0.527801216
14P_Governor	16.84%	McCord	D	0.199791729
14P_Governor	7.66%	McGinty	D	0.106744632
14P_Governor	17.64%	Schwartz	D	0.065748155
14P_Governor	57.86%	Wolf	D	0.627715468
14P_Lt_Governor	15.88%	Critz	D	0.510590374
14P_Lt_Governor	11.91%	Koplinski	D	0.028107423
14P_Lt_Governor	10.84%	Neuman	D	0.228097409
14P_Lt_Governor	14.57%	Smith	D	0.060337488
14P_Lt_Governor	46.79%	Stack	D	0.172867328
16G_AG	51.39%	Shapiro	D	0.411753803
16G_AG	48.61%	Rafferty	R	0.588246167
16G_Auditor		Depasquale	D	0.458729476
16G_Auditor		Brown	R	0.541270554
16G_President	47.85%	Clinton	D	0.330082804
16G_President	48.58%	Trump	R	0.669917226
16G_Treasurer		Torsella	D	0.450518936
16G_Treasurer		Voit	R	0.549481094
16G_US_Senate	47.34%	McGinty	D	0.370631933
16G_US_Senate	48.77%	Toomey	R	0.629368067
16P_AG	16.22%	Morganelli	D	0.094984755
16P_AG	47.03%	Shapiro	D	0.239242092
16P_AG	36.74%	Zappala	D	0.665773153
16P_President	55.61%	Clinton	D	0.543701887
16P_President	0.86%	DeLaFuente	D	0.018451445
16P_President	43.53%	Sanders	D	0.43784669
16P_US_Senate	19.49%	Fetterman	D	0.2978293
16P_US_Senate	42.50%	McGinty	D	0.421898782
16P_US_Senate	32.57%	Sestak	D	0.241153538
16P_US_Senate	5.45%	Vodvarka	D	0.039118376

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.412699252
17G_Supreme_Court		Mundy	R	0.587300777
18G_Governor	57.77%	Wolf	D	0.463328153
18G_Governor	40.70%	Wagner	R	0.536671817
18G_US_Senator		Casey	D	0.448888779
18G_US_Senator		Barletta	R	0.551111221
18P_Lt_Governor	23.78%	Ahmad	D	0.095423758
18P_Lt_Governor	18.55%	Cozzone	D	0.139827117
18P_Lt_Governor	37.48%	Fetterman	D	0.699714839
18P_Lt_Governor	3.58%	Sosa	D	0.019138223
18P_Lt_Governor	16.62%	Stack	D	0.045896087
20G_AG		Shapiro	D	0.402189732
20G_AG		Heidelbaugh	R	0.597810268
20G_Auditor	46.35%	Ahmad	D	0.338860482
20G_Auditor	49.44%	Defoor	R	0.661139548
20G_President	50.01%	Biden	D	0.33997345
20G_President	48.84%	Trump	R	0.66002655
20G_Treasurer		Torsella	D	0.358014643
20G_Treasurer		Garrity	R	0.641985357
20P_Auditor	36.44%	Ahmad	D	0.090760544
20P_Auditor	7.47%	Conklin	D	0.101827092
20P_Auditor	5.99%	Davis	D	0.024559319
20P_Auditor	9.00%	Fountain	D	0.032320756
20P_Auditor	13.97%	Hartman	D	0.059392948
20P_Auditor	27.14%	Lamb	D	0.69113934
20P_President	79.26%	Biden	D	0.787030518
20P_President	2.70%	Gabbard	D	0.057042658
20P_President	18.04%	Sanders	D	0.155926794

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.494891703
12G_AG	41.56%	Freed	R	0.505108297
12G_Auditor		Depasquale	D	0.397581249
12G_Auditor		Maher	R	0.60241878
12G_President		Obama	D	0.389775723
12G_President		Romney	R	0.610224247
12G_Treasurer		McCord	D	0.436506867
12G_Treasurer		Vaughan	R	0.563493133
12G_US_Senate	53.69%	Casey	D	0.405185223
12G_US_Senate	44.59%	Smith	R	0.594814777
12P_AG	52.82%	Kane	D	0.602188885
12P_AG	47.18%	Murphy	D	0.397811085
12P_US_Senate	80.88%	Casey	D	0.798593402
12P_US_Senate	19.12%	Vodvarka	D	0.201406613
14G_Governor	54.93%	Wolf	D	0.467511564
14G_Governor	45.07%	Corbett	R	0.532488406
14P_Governor	16.84%	McCord	D	0.210776433
14P_Governor	7.66%	McGinty	D	0.109906293
14P_Governor	17.64%	Schwartz	D	0.07858099
14P_Governor	57.86%	Wolf	D	0.60073626
14P_Lt_Governor	15.88%	Critz	D	0.484328657
14P_Lt_Governor	11.91%	Koplinski	D	0.10055986
14P_Lt_Governor	10.84%	Neuman	D	0.065891474
14P_Lt_Governor	14.57%	Smith	D	0.193080679
14P_Lt_Governor	46.79%	Stack	D	0.156139344
16G_AG	51.39%	Shapiro	D	0.380465716
16G_AG	48.61%	Rafferty	R	0.619534314
16G_Auditor		Depasquale	D	0.396264851
16G_Auditor		Brown	R	0.603735149
16G_President	47.85%	Clinton	D	0.317135185
16G_President	48.58%	Trump	R	0.682864845
16G_Treasurer		Torsella	D	0.406763822
16G_Treasurer		Voit	R	0.593236148
16G_US_Senate	47.34%	McGinty	D	0.348699689
16G_US_Senate	48.77%	Toomey	R	0.651300311
16P_AG	16.22%	Morganelli	D	0.188482344
16P_AG	47.03%	Shapiro	D	0.418479502
16P_AG	36.74%	Zappala	D	0.393038154
16P_President	55.61%	Clinton	D	0.467848361
16P_President	0.86%	DeLaFuente	D	0.018397838
16P_President	43.53%	Sanders	D	0.513753772
16P_US_Senate	19.49%	Fetterman	D	0.220129535
16P_US_Senate	42.50%	McGinty	D	0.439785838
16P_US_Senate	32.57%	Sestak	D	0.284190327
16P_US_Senate	5.45%	Vodvarka	D	0.055894323

**Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.351542413
17G_Supreme_Court		Mundy	R	0.648457587
18G_Governor	57.77%	Wolf	D	0.421251535
18G_Governor	40.70%	Wagner	R	0.578748465
18G_US_Senator		Casey	D	0.420851409
18G_US_Senator		Barletta	R	0.579148591
18P_Lt_Governor	23.78%	Ahmad	D	0.145298362
18P_Lt_Governor	18.55%	Cozzone	D	0.216006353
18P_Lt_Governor	37.48%	Fetterman	D	0.528827369
18P_Lt_Governor	3.58%	Sosa	D	0.035552703
18P_Lt_Governor	16.62%	Stack	D	0.074315235
20G_AG		Shapiro	D	0.347367644
20G_AG		Heidelbaugh	R	0.652632356
20G_Auditor	46.35%	Ahmad	D	0.298860878
20G_Auditor	49.44%	Defoor	R	0.701139092
20G_President	50.01%	Biden	D	0.315221816
20G_President	48.84%	Trump	R	0.684778154
20G_Treasurer		Torsella	D	0.32004106
20G_Treasurer		Garrity	R	0.67995894
20P_Auditor	36.44%	Ahmad	D	0.087521762
20P_Auditor	7.47%	Conklin	D	0.477326334
20P_Auditor	5.99%	Davis	D	0.034266748
20P_Auditor	9.00%	Fountain	D	0.052750614
20P_Auditor	13.97%	Hartman	D	0.066434532
20P_Auditor	27.14%	Lamb	D	0.281699985
20P_President	79.26%	Biden	D	0.750666082
20P_President	2.70%	Gabbard	D	0.053016547
20P_President	18.04%	Sanders	D	0.19631736

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.401287794
12G_AG	41.56%	Freed	R	0.598712206
12G_Auditor		Depasquale	D	0.32259202
12G_Auditor		Maher	R	0.67740798
12G_President		Obama	D	0.339265585
12G_President		Romney	R	0.660734415
12G_Treasurer		McCord	D	0.364522994
12G_Treasurer		Vaughan	R	0.635477006
12G_US_Senate	53.69%	Casey	D	0.364470065
12G_US_Senate	44.59%	Smith	R	0.635529935
12P_AG	52.82%	Kane	D	0.631415784
12P_AG	47.18%	Murphy	D	0.368584186
12P_US_Senate	80.88%	Casey	D	0.829299271
12P_US_Senate	19.12%	Vodvarka	D	0.170700744
14G_Governor	54.93%	Wolf	D	0.384947836
14G_Governor	45.07%	Corbett	R	0.615052164
14P_Governor	16.84%	McCord	D	0.13260372
14P_Governor	7.66%	McGinty	D	0.105553739
14P_Governor	17.64%	Schwartz	D	0.074518129
14P_Governor	57.86%	Wolf	D	0.687324405
14P_Lt_Governor	15.88%	Critz	D	0.272036165
14P_Lt_Governor	11.91%	Koplinski	D	0.296384543
14P_Lt_Governor	10.84%	Neuman	D	0.06095852
14P_Lt_Governor	14.57%	Smith	D	0.123213284
14P_Lt_Governor	46.79%	Stack	D	0.247407511
16G_AG	51.39%	Shapiro	D	0.324088782
16G_AG	48.61%	Rafferty	R	0.675911248
16G_Auditor		Depasquale	D	0.348659307
16G_Auditor		Brown	R	0.651340723
16G_President	47.85%	Clinton	D	0.299004108
16G_President	48.58%	Trump	R	0.700995922
16G_Treasurer		Torsella	D	0.336185247
16G_Treasurer		Voit	R	0.663814783
16G_US_Senate	47.34%	McGinty	D	0.307788759
16G_US_Senate	48.77%	Toomey	R	0.69221127
16P_AG	16.22%	Morganelli	D	0.220701799
16P_AG	47.03%	Shapiro	D	0.500454247
16P_AG	36.74%	Zappala	D	0.278843969
16P_President	55.61%	Clinton	D	0.493661761
16P_President	0.86%	DeLaFuente	D	0.011603988
16P_President	43.53%	Sanders	D	0.494734257
16P_US_Senate	19.49%	Fetterman	D	0.15638864
16P_US_Senate	42.50%	McGinty	D	0.490636647
16P_US_Senate	32.57%	Sestak	D	0.315004557
16P_US_Senate	5.45%	Vodvarka	D	0.037970174

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.286822319
17G_Supreme_Court		Mundy	R	0.713177681
18G_Governor	57.77%	Wolf	D	0.398139894
18G_Governor	40.70%	Wagner	R	0.601860106
18G_US_Senator		Casey	D	0.373501927
18G_US_Senator		Barletta	R	0.626498103
18P_Lt_Governor	23.78%	Ahmad	D	0.287430823
18P_Lt_Governor	18.55%	Cozzone	D	0.223638222
18P_Lt_Governor	37.48%	Fetterman	D	0.371905029
18P_Lt_Governor	3.58%	Sosa	D	0.035064083
18P_Lt_Governor	16.62%	Stack	D	0.08196184
20G_AG		Shapiro	D	0.326540917
20G_AG		Heidelbaugh	R	0.673459053
20G_Auditor	46.35%	Ahmad	D	0.291023284
20G_Auditor	49.44%	Defoor	R	0.708976686
20G_President	50.01%	Biden	D	0.323007673
20G_President	48.84%	Trump	R	0.676992297
20G_Treasurer		Torsella	D	0.304999948
20G_Treasurer		Garrity	R	0.695000052
20P_Auditor	36.44%	Ahmad	D	0.163526282
20P_Auditor	7.47%	Conklin	D	0.250513971
20P_Auditor	5.99%	Davis	D	0.045134764
20P_Auditor	9.00%	Fountain	D	0.261113942
20P_Auditor	13.97%	Hartman	D	0.155472562
20P_Auditor	27.14%	Lamb	D	0.124238484
20P_President	79.26%	Biden	D	0.775832474
20P_President	2.70%	Gabbard	D	0.035531778
20P_President	18.04%	Sanders	D	0.188635737

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.521988153
12G_AG	41.56%	Freed	R	0.478011817
12G_Auditor		Depasquale	D	0.436055779
12G_Auditor		Maher	R	0.563944221
12G_President		Obama	D	0.445827067
12G_President		Romney	R	0.554172933
12G_Treasurer		McCord	D	0.464429975
12G_Treasurer		Vaughan	R	0.535570025
12G_US_Senate	53.69%	Casey	D	0.465687782
12G_US_Senate	44.59%	Smith	R	0.534312248
12P_AG	52.82%	Kane	D	0.7765674
12P_AG	47.18%	Murphy	D	0.223432615
12P_US_Senate	80.88%	Casey	D	0.901786447
12P_US_Senate	19.12%	Vodvarka	D	0.098213531
14G_Governor	54.93%	Wolf	D	0.476068199
14G_Governor	45.07%	Corbett	R	0.523931801
14P_Governor	16.84%	McCord	D	0.182795703
14P_Governor	7.66%	McGinty	D	0.096627146
14P_Governor	17.64%	Schwartz	D	0.063100815
14P_Governor	57.86%	Wolf	D	0.657476306
14P_Lt_Governor	15.88%	Critz	D	0.039062168
14P_Lt_Governor	11.91%	Koplinski	D	0.143291265
14P_Lt_Governor	10.84%	Neuman	D	0.072954036
14P_Lt_Governor	14.57%	Smith	D	0.389819771
14P_Lt_Governor	46.79%	Stack	D	0.354872733
16G_AG	51.39%	Shapiro	D	0.407094806
16G_AG	48.61%	Rafferty	R	0.592905223
16G_Auditor		Depasquale	D	0.421971172
16G_Auditor		Brown	R	0.578028798
16G_President	47.85%	Clinton	D	0.348952264
16G_President	48.58%	Trump	R	0.651047766
16G_Treasurer		Torsella	D	0.437959164
16G_Treasurer		Voit	R	0.562040865
16G_US_Senate	47.34%	McGinty	D	0.385026485
16G_US_Senate	48.77%	Toomey	R	0.614973545
16P_AG	16.22%	Morganelli	D	0.280651808
16P_AG	47.03%	Shapiro	D	0.47813943
16P_AG	36.74%	Zappala	D	0.241208762
16P_President	55.61%	Clinton	D	0.51179564
16P_President	0.86%	DeLaFuente	D	0.011963537
16P_President	43.53%	Sanders	D	0.476240814
16P_US_Senate	19.49%	Fetterman	D	0.10619548
16P_US_Senate	42.50%	McGinty	D	0.507158458
16P_US_Senate	32.57%	Sestak	D	0.357054383
16P_US_Senate	5.45%	Vodvarka	D	0.029591693

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.334726006
17G_Supreme_Court		Mundy	R	0.665274024
18G_Governor	57.77%	Wolf	D	0.459401548
18G_Governor	40.70%	Wagner	R	0.540598452
18G_US_Senator		Casey	D	0.429533422
18G_US_Senator		Barletta	R	0.570466578
18P_Lt_Governor	23.78%	Ahmad	D	0.251977056
18P_Lt_Governor	18.55%	Cozzone	D	0.182542056
18P_Lt_Governor	37.48%	Fetterman	D	0.242710009
18P_Lt_Governor	3.58%	Sosa	D	0.035845313
18P_Lt_Governor	16.62%	Stack	D	0.286925554
20G_AG		Shapiro	D	0.401235431
20G_AG		Heidelbaugh	R	0.598764598
20G_Auditor	46.35%	Ahmad	D	0.354279429
20G_Auditor	49.44%	Defoor	R	0.645720601
20G_President	50.01%	Biden	D	0.365382522
20G_President	48.84%	Trump	R	0.634617448
20G_Treasurer		Torsella	D	0.363803387
20G_Treasurer		Garrity	R	0.636196613
20P_Auditor	36.44%	Ahmad	D	0.230747849
20P_Auditor	7.47%	Conklin	D	0.162553757
20P_Auditor	5.99%	Davis	D	0.155341864
20P_Auditor	9.00%	Fountain	D	0.123011008
20P_Auditor	13.97%	Hartman	D	0.16798313
20P_Auditor	27.14%	Lamb	D	0.160362393
20P_President	79.26%	Biden	D	0.794507563
20P_President	2.70%	Gabbard	D	0.040163539
20P_President	18.04%	Sanders	D	0.16532889

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.490484267
12G_AG	41.56%	Freed	R	0.509515762
12G_Auditor		Depasquale	D	0.450910598
12G_Auditor		Maher	R	0.549089432
12G_President		Obama	D	0.444110423
12G_President		Romney	R	0.555889606
12G_Treasurer		McCord	D	0.45656085
12G_Treasurer		Vaughan	R	0.54343915
12G_US_Senate	53.69%	Casey	D	0.46087122
12G_US_Senate	44.59%	Smith	R	0.53912878
12P_AG	52.82%	Kane	D	0.649848044
12P_AG	47.18%	Murphy	D	0.350151926
12P_US_Senate	80.88%	Casey	D	0.84656173
12P_US_Senate	19.12%	Vodvarka	D	0.15343827
14G_Governor	54.93%	Wolf	D	0.459670275
14G_Governor	45.07%	Corbett	R	0.540329695
14P_Governor	16.84%	McCord	D	0.077622026
14P_Governor	7.66%	McGinty	D	0.062703378
14P_Governor	17.64%	Schwartz	D	0.048610762
14P_Governor	57.86%	Wolf	D	0.811063826
14P_Lt_Governor	15.88%	Critz	D	0.048801903
14P_Lt_Governor	11.91%	Koplinski	D	0.462187737
14P_Lt_Governor	10.84%	Neuman	D	0.05197417
14P_Lt_Governor	14.57%	Smith	D	0.106610775
14P_Lt_Governor	46.79%	Stack	D	0.330425411
16G_AG	51.39%	Shapiro	D	0.413006425
16G_AG	48.61%	Rafferty	R	0.586993575
16G_Auditor		Depasquale	D	0.471820891
16G_Auditor		Brown	R	0.528179109
16G_President	47.85%	Clinton	D	0.408647001
16G_President	48.58%	Trump	R	0.591352999
16G_Treasurer		Torsella	D	0.426344544
16G_Treasurer		Voit	R	0.573655486
16G_US_Senate	47.34%	McGinty	D	0.406929731
16G_US_Senate	48.77%	Toomey	R	0.593070269
16P_AG	16.22%	Morganelli	D	0.181365788
16P_AG	47.03%	Shapiro	D	0.577569604
16P_AG	36.74%	Zappala	D	0.241064623
16P_President	55.61%	Clinton	D	0.533883154
16P_President	0.86%	DeLaFuente	D	0.009106138
16P_President	43.53%	Sanders	D	0.457010716
16P_US_Senate	19.49%	Fetterman	D	0.153036624
16P_US_Senate	42.50%	McGinty	D	0.521449685
16P_US_Senate	32.57%	Sestak	D	0.290090233
16P_US_Senate	5.45%	Vodvarka	D	0.035423458

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.347011268
17G_Supreme_Court		Mundy	R	0.652988732
18G_Governor	57.77%	Wolf	D	0.507401228
18G_Governor	40.70%	Wagner	R	0.492598742
18G_US_Senator		Casey	D	0.471596718
18G_US_Senator		Barletta	R	0.528403282
18P_Lt_Governor	23.78%	Ahmad	D	0.362142056
18P_Lt_Governor	18.55%	Cozzone	D	0.173187762
18P_Lt_Governor	37.48%	Fetterman	D	0.339391917
18P_Lt_Governor	3.58%	Sosa	D	0.030404685
18P_Lt_Governor	16.62%	Stack	D	0.094873592
20G_AG		Shapiro	D	0.437890768
20G_AG		Heidelbaugh	R	0.562109232
20G_Auditor	46.35%	Ahmad	D	0.399853021
20G_Auditor	49.44%	Defoor	R	0.600147009
20G_President	50.01%	Biden	D	0.433666378
20G_President	48.84%	Trump	R	0.566333652
20G_Treasurer		Torsella	D	0.411265641
20G_Treasurer		Garrity	R	0.588734388
20P_Auditor	36.44%	Ahmad	D	0.172741279
20P_Auditor	7.47%	Conklin	D	0.07606595
20P_Auditor	5.99%	Davis	D	0.036976084
20P_Auditor	9.00%	Fountain	D	0.393103033
20P_Auditor	13.97%	Hartman	D	0.241107017
20P_Auditor	27.14%	Lamb	D	0.080006644
20P_President	79.26%	Biden	D	0.801332593
20P_President	2.70%	Gabbard	D	0.026147656
20P_President	18.04%	Sanders	D	0.172519729

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.439083278
12G_AG	41.56%	Freed	R	0.560916722
12G_Auditor		Depasquale	D	0.36020425
12G_Auditor		Maher	R	0.639795721
12G_President		Obama	D	0.392401487
12G_President		Romney	R	0.607598484
12G_Treasurer		McCord	D	0.389606982
12G_Treasurer		Vaughan	R	0.610392988
12G_US_Senate	53.69%	Casey	D	0.405847311
12G_US_Senate	44.59%	Smith	R	0.594152689
12P_AG	52.82%	Kane	D	0.563868284
12P_AG	47.18%	Murphy	D	0.436131716
12P_US_Senate	80.88%	Casey	D	0.855858028
12P_US_Senate	19.12%	Vodvarka	D	0.144141987
14G_Governor	54.93%	Wolf	D	0.403357089
14G_Governor	45.07%	Corbett	R	0.596642911
14P_Governor	16.84%	McCord	D	0.110019088
14P_Governor	7.66%	McGinty	D	0.081306092
14P_Governor	17.64%	Schwartz	D	0.105348654
14P_Governor	57.86%	Wolf	D	0.703326166
14P_Lt_Governor	15.88%	Critz	D	0.059333906
14P_Lt_Governor	11.91%	Koplinski	D	0.351122975
14P_Lt_Governor	10.84%	Neuman	D	0.052284334
14P_Lt_Governor	14.57%	Smith	D	0.120520584
14P_Lt_Governor	46.79%	Stack	D	0.416738212
16G_AG	51.39%	Shapiro	D	0.3745175
16G_AG	48.61%	Rafferty	R	0.6254825
16G_Auditor		Depasquale	D	0.389888048
16G_Auditor		Brown	R	0.610111952
16G_President	47.85%	Clinton	D	0.376764923
16G_President	48.58%	Trump	R	0.623235106
16G_Treasurer		Torsella	D	0.382557154
16G_Treasurer		Voit	R	0.617442846
16G_US_Senate	47.34%	McGinty	D	0.370728165
16G_US_Senate	48.77%	Toomey	R	0.629271865
16P_AG	16.22%	Morganelli	D	0.189396739
16P_AG	47.03%	Shapiro	D	0.584482014
16P_AG	36.74%	Zappala	D	0.226121277
16P_President	55.61%	Clinton	D	0.48239702
16P_President	0.86%	DeLaFuente	D	0.006372437
16P_President	43.53%	Sanders	D	0.511230528
16P_US_Senate	19.49%	Fetterman	D	0.153086737
16P_US_Senate	42.50%	McGinty	D	0.517783165
16P_US_Senate	32.57%	Sestak	D	0.31954962
16P_US_Senate	5.45%	Vodvarka	D	0.009580467

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.327518851
17G_Supreme_Court		Mundy	R	0.67248112
18G_Governor	57.77%	Wolf	D	0.467902988
18G_Governor	40.70%	Wagner	R	0.532097042
18G_US_Senator		Casey	D	0.439552695
18G_US_Senator		Barletta	R	0.560447276
18P_Lt_Governor	23.78%	Ahmad	D	0.375716209
18P_Lt_Governor	18.55%	Cozzone	D	0.237445235
18P_Lt_Governor	37.48%	Fetterman	D	0.273171544
18P_Lt_Governor	3.58%	Sosa	D	0.028648466
18P_Lt_Governor	16.62%	Stack	D	0.085018538
20G_AG		Shapiro	D	0.393577486
20G_AG		Heidelbaugh	R	0.606422484
20G_Auditor	46.35%	Ahmad	D	0.365443081
20G_Auditor	49.44%	Defoor	R	0.63455689
20G_President	50.01%	Biden	D	0.399598569
20G_President	48.84%	Trump	R	0.600401461
20G_Treasurer		Torsella	D	0.370055407
20G_Treasurer		Garrity	R	0.629944623
20P_Auditor	36.44%	Ahmad	D	0.136353195
20P_Auditor	7.47%	Conklin	D	0.034786142
20P_Auditor	5.99%	Davis	D	0.022878647
20P_Auditor	9.00%	Fountain	D	0.104835436
20P_Auditor	13.97%	Hartman	D	0.655654311
20P_Auditor	27.14%	Lamb	D	0.045492288
20P_President	79.26%	Biden	D	0.7661708
20P_President	2.70%	Gabbard	D	0.025783515
20P_President	18.04%	Sanders	D	0.208045706

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.568995297
12G_AG	41.56%	Freed	R	0.431004733
12G_Auditor		Depasquale	D	0.494327933
12G_Auditor		Maher	R	0.505672097
12G_President		Obama	D	0.490509659
12G_President		Romney	R	0.509490311
12G_Treasurer		McCord	D	0.53275758
12G_Treasurer		Vaughan	R	0.46724239
12G_US_Senate	53.69%	Casey	D	0.510588646
12G_US_Senate	44.59%	Smith	R	0.489411354
12P_AG	52.82%	Kane	D	0.714232266
12P_AG	47.18%	Murphy	D	0.285767734
12P_US_Senate	80.88%	Casey	D	0.882340431
12P_US_Senate	19.12%	Vodvarka	D	0.117659546
14G_Governor	54.93%	Wolf	D	0.538762987
14G_Governor	45.07%	Corbett	R	0.461237013
14P_Governor	16.84%	McCord	D	0.227906689
14P_Governor	7.66%	McGinty	D	0.089644961
14P_Governor	17.64%	Schwartz	D	0.073508874
14P_Governor	57.86%	Wolf	D	0.608939469
14P_Lt_Governor	15.88%	Critz	D	0.047135726
14P_Lt_Governor	11.91%	Koplinski	D	0.152032331
14P_Lt_Governor	10.84%	Neuman	D	0.053601142
14P_Lt_Governor	14.57%	Smith	D	0.326836228
14P_Lt_Governor	46.79%	Stack	D	0.42039457
16G_AG	51.39%	Shapiro	D	0.446115315
16G_AG	48.61%	Rafferty	R	0.553884685
16G_Auditor		Depasquale	D	0.455972105
16G_Auditor		Brown	R	0.544027865
16G_President	47.85%	Clinton	D	0.368979722
16G_President	48.58%	Trump	R	0.631020248
16G_Treasurer		Torsella	D	0.47859019
16G_Treasurer		Voit	R	0.52140981
16G_US_Senate	47.34%	McGinty	D	0.420629621
16G_US_Senate	48.77%	Toomey	R	0.579370379
16P_AG	16.22%	Morganelli	D	0.376065433
16P_AG	47.03%	Shapiro	D	0.388726979
16P_AG	36.74%	Zappala	D	0.235207587
16P_President	55.61%	Clinton	D	0.517234445
16P_President	0.86%	DeLaFuente	D	0.011213381
16P_President	43.53%	Sanders	D	0.471552163
16P_US_Senate	19.49%	Fetterman	D	0.099219866
16P_US_Senate	42.50%	McGinty	D	0.484787405
16P_US_Senate	32.57%	Sestak	D	0.378468335
16P_US_Senate	5.45%	Vodvarka	D	0.03752438

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.362181067
17G_Supreme_Court		Mundy	R	0.637818933
18G_Governor	57.77%	Wolf	D	0.491154462
18G_Governor	40.70%	Wagner	R	0.508845568
18G_US_Senator		Casey	D	0.438646913
18G_US_Senator		Barletta	R	0.561353087
18P_Lt_Governor	23.78%	Ahmad	D	0.241373777
18P_Lt_Governor	18.55%	Cozzone	D	0.184379622
18P_Lt_Governor	37.48%	Fetterman	D	0.22771959
18P_Lt_Governor	3.58%	Sosa	D	0.041540835
18P_Lt_Governor	16.62%	Stack	D	0.304986179
20G_AG		Shapiro	D	0.446925431
20G_AG		Heidelbaugh	R	0.553074598
20G_Auditor	46.35%	Ahmad	D	0.399001688
20G_Auditor	49.44%	Defoor	R	0.600998282
20G_President	50.01%	Biden	D	0.396076947
20G_President	48.84%	Trump	R	0.603923082
20G_Treasurer		Torsella	D	0.409818709
20G_Treasurer		Garrity	R	0.590181291
20P_Auditor	36.44%	Ahmad	D	0.197643772
20P_Auditor	7.47%	Conklin	D	0.091080226
20P_Auditor	5.99%	Davis	D	0.276236951
20P_Auditor	9.00%	Fountain	D	0.103300601
20P_Auditor	13.97%	Hartman	D	0.175760046
20P_Auditor	27.14%	Lamb	D	0.155978411
20P_President	79.26%	Biden	D	0.789034665
20P_President	2.70%	Gabbard	D	0.041838307
20P_President	18.04%	Sanders	D	0.169127032

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.569873452
12G_AG	41.56%	Freed	R	0.430126518
12G_Auditor		Depasquale	D	0.515189469
12G_Auditor		Maher	R	0.484810531
12G_President		Obama	D	0.536985159
12G_President		Romney	R	0.463014871
12G_Treasurer		McCord	D	0.544367194
12G_Treasurer		Vaughan	R	0.455632776
12G_US_Senate	53.69%	Casey	D	0.548508167
12G_US_Senate	44.59%	Smith	R	0.451491833
12P_AG	52.82%	Kane	D	0.494334877
12P_AG	47.18%	Murphy	D	0.505665123
12P_US_Senate	80.88%	Casey	D	0.820482731
12P_US_Senate	19.12%	Vodvarka	D	0.179517284
14G_Governor	54.93%	Wolf	D	0.552418113
14G_Governor	45.07%	Corbett	R	0.447581857
14P_Governor	16.84%	McCord	D	0.154966608
14P_Governor	7.66%	McGinty	D	0.061678402
14P_Governor	17.64%	Schwartz	D	0.150191888
14P_Governor	57.86%	Wolf	D	0.633163095
14P_Lt_Governor	15.88%	Critz	D	0.05534143
14P_Lt_Governor	11.91%	Koplinski	D	0.154279694
14P_Lt_Governor	10.84%	Neuman	D	0.073376484
14P_Lt_Governor	14.57%	Smith	D	0.224492759
14P_Lt_Governor	46.79%	Stack	D	0.492509633
16G_AG	51.39%	Shapiro	D	0.526860714
16G_AG	48.61%	Rafferty	R	0.473139256
16G_Auditor		Depasquale	D	0.503889203
16G_Auditor		Brown	R	0.496110827
16G_President	47.85%	Clinton	D	0.506626844
16G_President	48.58%	Trump	R	0.493373185
16G_Treasurer		Torsella	D	0.537092507
16G_Treasurer		Voit	R	0.462907493
16G_US_Senate	47.34%	McGinty	D	0.494092166
16G_US_Senate	48.77%	Toomey	R	0.505907834
16P_AG	16.22%	Morganelli	D	0.667240262
16P_AG	47.03%	Shapiro	D	0.246558294
16P_AG	36.74%	Zappala	D	0.086201422
16P_President	55.61%	Clinton	D	0.5187639
16P_President	0.86%	DeLaFuente	D	0.00742991
16P_President	43.53%	Sanders	D	0.473806202
16P_US_Senate	19.49%	Fetterman	D	0.110028692
16P_US_Senate	42.50%	McGinty	D	0.418776274
16P_US_Senate	32.57%	Sestak	D	0.431120306
16P_US_Senate	5.45%	Vodvarka	D	0.040074732

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.485058606
17G_Supreme_Court		Mundy	R	0.514941394
18G_Governor	57.77%	Wolf	D	0.598692715
18G_Governor	40.70%	Wagner	R	0.401307315
18G_US_Senator		Casey	D	0.571151376
18G_US_Senator		Barletta	R	0.428848654
18P_Lt_Governor	23.78%	Ahmad	D	0.296663374
18P_Lt_Governor	18.55%	Cozzone	D	0.238779038
18P_Lt_Governor	37.48%	Fetterman	D	0.186727628
18P_Lt_Governor	3.58%	Sosa	D	0.063222937
18P_Lt_Governor	16.62%	Stack	D	0.214607015
20G_AG		Shapiro	D	0.53594327
20G_AG		Heidelbaugh	R	0.46405676
20G_Auditor	46.35%	Ahmad	D	0.507158756
20G_Auditor	49.44%	Defoor	R	0.492841274
20G_President	50.01%	Biden	D	0.525591731
20G_President	48.84%	Trump	R	0.474408269
20G_Treasurer		Torsella	D	0.517964363
20G_Treasurer		Garrity	R	0.482035607
20P_Auditor	36.44%	Ahmad	D	0.329260558
20P_Auditor	7.47%	Conklin	D	0.079284161
20P_Auditor	5.99%	Davis	D	0.208587885
20P_Auditor	9.00%	Fountain	D	0.097395852
20P_Auditor	13.97%	Hartman	D	0.164583087
20P_Auditor	27.14%	Lamb	D	0.120888457
20P_President	79.26%	Biden	D	0.79018569
20P_President	2.70%	Gabbard	D	0.024005305
20P_President	18.04%	Sanders	D	0.185809016

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.540652931
12G_AG	41.56%	Freed	R	0.459347069
12G_Auditor		Depasquale	D	0.467696279
12G_Auditor		Maher	R	0.532303691
12G_President		Obama	D	0.51189959
12G_President		Romney	R	0.48810041
12G_Treasurer		McCord	D	0.505877852
12G_Treasurer		Vaughan	R	0.494122118
12G_US_Senate	53.69%	Casey	D	0.52745378
12G_US_Senate	44.59%	Smith	R	0.47254619
12P_AG	52.82%	Kane	D	0.490850925
12P_AG	47.18%	Murphy	D	0.509149075
12P_US_Senate	80.88%	Casey	D	0.829104304
12P_US_Senate	19.12%	Vodvarka	D	0.170895696
14G_Governor	54.93%	Wolf	D	0.526254714
14G_Governor	45.07%	Corbett	R	0.473745257
14P_Governor	16.84%	McCord	D	0.171224013
14P_Governor	7.66%	McGinty	D	0.075444452
14P_Governor	17.64%	Schwartz	D	0.163553223
14P_Governor	57.86%	Wolf	D	0.589778304
14P_Lt_Governor	15.88%	Critz	D	0.051652402
14P_Lt_Governor	11.91%	Koplinski	D	0.197442755
14P_Lt_Governor	10.84%	Neuman	D	0.05950005
14P_Lt_Governor	14.57%	Smith	D	0.181882754
14P_Lt_Governor	46.79%	Stack	D	0.509522021
16G_AG	51.39%	Shapiro	D	0.495847911
16G_AG	48.61%	Rafferty	R	0.50415206
16G_Auditor		Depasquale	D	0.477069348
16G_Auditor		Brown	R	0.522930682
16G_President	47.85%	Clinton	D	0.510481358
16G_President	48.58%	Trump	R	0.489518672
16G_Treasurer		Torsella	D	0.509149551
16G_Treasurer		Voit	R	0.490850449
16G_US_Senate	47.34%	McGinty	D	0.480163246
16G_US_Senate	48.77%	Toomey	R	0.519836724
16P_AG	16.22%	Morganelli	D	0.169963717
16P_AG	47.03%	Shapiro	D	0.608519435
16P_AG	36.74%	Zappala	D	0.221516833
16P_President	55.61%	Clinton	D	0.518083811
16P_President	0.86%	DeLaFuente	D	0.006490035
16P_President	43.53%	Sanders	D	0.475426137
16P_US_Senate	19.49%	Fetterman	D	0.093428716
16P_US_Senate	42.50%	McGinty	D	0.46872735
16P_US_Senate	32.57%	Sestak	D	0.412718445
16P_US_Senate	5.45%	Vodvarka	D	0.025125492

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.463026404
17G_Supreme_Court		Mundy	R	0.536973596
18G_Governor	57.77%	Wolf	D	0.59325254
18G_Governor	40.70%	Wagner	R	0.406747431
18G_US_Senator		Casey	D	0.575455606
18G_US_Senator		Barletta	R	0.424544424
18P_Lt_Governor	23.78%	Ahmad	D	0.205601156
18P_Lt_Governor	18.55%	Cozzone	D	0.477774829
18P_Lt_Governor	37.48%	Fetterman	D	0.163415998
18P_Lt_Governor	3.58%	Sosa	D	0.036389846
18P_Lt_Governor	16.62%	Stack	D	0.116818167
20G_AG		Shapiro	D	0.530097067
20G_AG		Heidelbaugh	R	0.469902903
20G_Auditor	46.35%	Ahmad	D	0.498997688
20G_Auditor	49.44%	Defoor	R	0.501002312
20G_President	50.01%	Biden	D	0.535867929
20G_President	48.84%	Trump	R	0.464132071
20G_Treasurer		Torsella	D	0.513370752
20G_Treasurer		Garrity	R	0.486629218
20P_Auditor	36.44%	Ahmad	D	0.379492909
20P_Auditor	7.47%	Conklin	D	0.047058675
20P_Auditor	5.99%	Davis	D	0.042404246
20P_Auditor	9.00%	Fountain	D	0.073517419
20P_Auditor	13.97%	Hartman	D	0.390457779
20P_Auditor	27.14%	Lamb	D	0.067068964
20P_President	79.26%	Biden	D	0.796117842
20P_President	2.70%	Gabbard	D	0.021354094
20P_President	18.04%	Sanders	D	0.182528049

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.584106326
12G_AG	41.56%	Freed	R	0.415893674
12G_Auditor		Depasquale	D	0.528780103
12G_Auditor		Maher	R	0.471219897
12G_President		Obama	D	0.580044627
12G_President		Romney	R	0.419955373
12G_Treasurer		McCord	D	0.555020571
12G_Treasurer		Vaughan	R	0.444979429
12G_US_Senate	53.69%	Casey	D	0.59394908
12G_US_Senate	44.59%	Smith	R	0.40605092
12P_AG	52.82%	Kane	D	0.385333419
12P_AG	47.18%	Murphy	D	0.614666581
12P_US_Senate	80.88%	Casey	D	0.865457594
12P_US_Senate	19.12%	Vodvarka	D	0.134542391
14G_Governor	54.93%	Wolf	D	0.585624218
14G_Governor	45.07%	Corbett	R	0.414375782
14P_Governor	16.84%	McCord	D	0.180263251
14P_Governor	7.66%	McGinty	D	0.067881562
14P_Governor	17.64%	Schwartz	D	0.24198924
14P_Governor	57.86%	Wolf	D	0.50986594
14P_Lt_Governor	15.88%	Critz	D	0.039092652
14P_Lt_Governor	11.91%	Koplinski	D	0.10972596
14P_Lt_Governor	10.84%	Neuman	D	0.047699697
14P_Lt_Governor	14.57%	Smith	D	0.136713222
14P_Lt_Governor	46.79%	Stack	D	0.666768491
16G_AG	51.39%	Shapiro	D	0.562034786
16G_AG	48.61%	Rafferty	R	0.437965184
16G_Auditor		Depasquale	D	0.543622434
16G_Auditor		Brown	R	0.456377566
16G_President	47.85%	Clinton	D	0.601822734
16G_President	48.58%	Trump	R	0.398177266
16G_Treasurer		Torsella	D	0.569317698
16G_Treasurer		Voit	R	0.430682302
16G_US_Senate	47.34%	McGinty	D	0.545415819
16G_US_Senate	48.77%	Toomey	R	0.454584211
16P_AG	16.22%	Morganelli	D	0.106123134
16P_AG	47.03%	Shapiro	D	0.667904019
16P_AG	36.74%	Zappala	D	0.225972861
16P_President	55.61%	Clinton	D	0.589136839
16P_President	0.86%	DeLaFuente	D	0.004298656
16P_President	43.53%	Sanders	D	0.406564504
16P_US_Senate	19.49%	Fetterman	D	0.068988137
16P_US_Senate	42.50%	McGinty	D	0.316731751
16P_US_Senate	32.57%	Sestak	D	0.5914675
16P_US_Senate	5.45%	Vodvarka	D	0.022812642

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.505644858
17G_Supreme_Court		Mundy	R	0.494355142
18G_Governor	57.77%	Wolf	D	0.663015008
18G_Governor	40.70%	Wagner	R	0.336985022
18G_US_Senator		Casey	D	0.645572245
18G_US_Senator		Barletta	R	0.354427725
18P_Lt_Governor	23.78%	Ahmad	D	0.349372178
18P_Lt_Governor	18.55%	Cozzone	D	0.318161964
18P_Lt_Governor	37.48%	Fetterman	D	0.168531433
18P_Lt_Governor	3.58%	Sosa	D	0.01696332
18P_Lt_Governor	16.62%	Stack	D	0.146971107
20G_AG		Shapiro	D	0.604731023
20G_AG		Heidelbaugh	R	0.395269006
20G_Auditor	46.35%	Ahmad	D	0.576995909
20G_Auditor	49.44%	Defoor	R	0.423004091
20G_President	50.01%	Biden	D	0.624880254
20G_President	48.84%	Trump	R	0.375119716
20G_Treasurer		Torsella	D	0.5890764
20G_Treasurer		Garrity	R	0.41092363
20P_Auditor	36.44%	Ahmad	D	0.627688468
20P_Auditor	7.47%	Conklin	D	0.036778506
20P_Auditor	5.99%	Davis	D	0.034226887
20P_Auditor	9.00%	Fountain	D	0.067055762
20P_Auditor	13.97%	Hartman	D	0.174869001
20P_Auditor	27.14%	Lamb	D	0.059381355
20P_President	79.26%	Biden	D	0.831132948
20P_President	2.70%	Gabbard	D	0.011105015
20P_President	18.04%	Sanders	D	0.157762006

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.624112248
12G_AG	41.56%	Freed	R	0.375887752
12G_Auditor		Depasquale	D	0.579037726
12G_Auditor		Maher	R	0.420962274
12G_President		Obama	D	0.610965669
12G_President		Romney	R	0.389034301
12G_Treasurer		McCord	D	0.60921216
12G_Treasurer		Vaughan	R	0.39078781
12G_US_Senate	53.69%	Casey	D	0.630261958
12G_US_Senate	44.59%	Smith	R	0.369738013
12P_AG	52.82%	Kane	D	0.37407282
12P_AG	47.18%	Murphy	D	0.62592721
12P_US_Senate	80.88%	Casey	D	0.883263648
12P_US_Senate	19.12%	Vodvarka	D	0.116736345
14G_Governor	54.93%	Wolf	D	0.641744196
14G_Governor	45.07%	Corbett	R	0.358255833
14P_Governor	16.84%	McCord	D	0.163040414
14P_Governor	7.66%	McGinty	D	0.038516872
14P_Governor	17.64%	Schwartz	D	0.403633654
14P_Governor	57.86%	Wolf	D	0.394809037
14P_Lt_Governor	15.88%	Critz	D	0.026705135
14P_Lt_Governor	11.91%	Koplinski	D	0.088911563
14P_Lt_Governor	10.84%	Neuman	D	0.052829724
14P_Lt_Governor	14.57%	Smith	D	0.110673256
14P_Lt_Governor	46.79%	Stack	D	0.72088033
15G_Mayor		Kenney	D	0.792826056
15G_Mayor		Bailey	R	0.180679888
15G_Mayor		Foster	U	0.015969031
15G_Mayor		Hart	U	0.009133801
15G_Mayor		Kindij	U	0.001391241
15G_Sheriff		Williams	D	0.686251402
15G_Sheriff		Sawyer	R	0.313748628
15P_Mayor		Abraham	D	0.110459775
15P_Mayor		Diaz	D	0.034183204
15P_Mayor		Kenney	D	0.68119216
15P_Mayor		Oliver	D	0.050497916
15P_Mayor		Street	D	0.008051416
15P_Mayor		Williams	D	0.115615509
16G_AG	51.39%	Shapiro	D	0.639671803
16G_AG	48.61%	Rafferty	R	0.360328168
16G_Auditor		Depasquale	D	0.602842987
16G_Auditor		Brown	R	0.397157043
16G_Congress_Dist1		Brady	D	
16G_Congress_Dist1		Williams	R	
16G_President	47.85%	Clinton	D	0.659401596

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.340598404
16G_Treasurer		Torsella	D	0.632771969
16G_Treasurer		Voit	R	0.367228001
16G_US_Senate	47.34%	McGinty	D	0.600607216
16G_US_Senate	48.77%	Toomey	R	0.399392784
16P_AG	16.22%	Morganelli	D	0.052098908
16P_AG	47.03%	Shapiro	D	0.804514527
16P_AG	36.74%	Zappala	D	0.143386543
16P_Congress_Dist2		Evans	D	0.379142046
16P_Congress_Dist2		Fattah	D	0.174672484
16P_Congress_Dist2		Gordon	D	0.142923191
16P_Congress_Dist2		Muroff	D	0.303262264
16P_President	55.61%	Clinton	D	0.595238626
16P_President	0.86%	DeLaFuente	D	0.003263781
16P_President	43.53%	Sanders	D	0.401497602
16P_US_Senate	19.49%	Fetterman	D	0.1105306
16P_US_Senate	42.50%	McGinty	D	0.444750816
16P_US_Senate	32.57%	Sestak	D	0.430350959
16P_US_Senate	5.45%	Vodvarka	D	0.014367607
17G_Supreme_Court		Woodruff	D	0.616722524
17G_Supreme_Court		Mundy	R	0.383277476
17P_DA		Deni	D	0.010391877
17P_DA		Khan	D	0.32682848
17P_DA		Krasner	D	0.401951462
17P_DA		Negrin	D	0.134539112
17P_DA		ONeill	D	0.049500238
17P_DA		Shabazz	D	0.042281453
17P_DA		Untermeyer	D	0.034507379
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.836450696
18G_Congress_Dist3		Leib	R	0.163549289
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.723225772
18G_Governor	40.70%	Wagner	R	0.276774228
18G_US_Senator		Casey	D	0.706063807
18G_US_Senator		Barletta	R	0.293936193
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.335561395
18P_Lt_Governor	18.55%	Cozzone	D	0.141009182
18P_Lt_Governor	37.48%	Fetterman	D	0.257235348
18P_Lt_Governor	3.58%	Sosa	D	0.111732855
18P_Lt_Governor	16.62%	Stack	D	0.15446122
19P_Mayor		Butkovitz	D	0.079092361
19P_Mayor		Kenney	D	0.786211371
19P_Mayor		Williams	D	0.134696245
19P_Municipal_Judge		Brunson	D	0.441353023
19P_Municipal_Judge		Conroy	D	0.558646977
19P_Register_Wills		Donatucci	D	0.285512865
19P_Register_Wills		Gordon	D	0.496122658
19P_Register_Wills		Whaumbush	D	0.218364462
20G_AG		Shapiro	D	0.681593597
20G_AG		Heidelbaugh	R	0.318406403
20G_Auditor	46.35%	Ahmad	D	0.639169872
20G_Auditor	49.44%	Defoor	R	0.360830128
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.678459942
20G_President	48.84%	Trump	R	0.321540028
20G_Treasurer		Torsella	D	0.656136274
20G_Treasurer		Garrity	R	0.343863726
20P_Auditor	36.44%	Ahmad	D	0.637249231
20P_Auditor	7.47%	Conklin	D	0.041203007
20P_Auditor	5.99%	Davis	D	0.039097745
20P_Auditor	9.00%	Fountain	D	0.073156059
20P_Auditor	13.97%	Hartman	D	0.137773708
20P_Auditor	27.14%	Lamb	D	0.071520261
20P_President	79.26%	Biden	D	0.817341805
20P_President	2.70%	Gabbard	D	0.013739478
20P_President	18.04%	Sanders	D	0.168918699
21G_Superior_Judge		Lane	D	0.828196466
21G_Superior_Judge		Sullivan	R	0.171803534
21P_DA		Krasner	D	0.694140315
21P_DA		Vega	D	0.305859655
21P_Superior_Judge		Beck	D	0.121275701
21P_Superior_Judge		Lane	D	0.84879005
21P_Superior_Judge		Neft	D	0.029934257

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.518758953
12G_AG	41.56%	Freed	R	0.481241047
12G_Auditor		Depasquale	D	0.47064361
12G_Auditor		Maher	R	0.52935636
12G_President		Obama	D	0.49832195
12G_President		Romney	R	0.50167805
12G_Treasurer		McCord	D	0.494601756
12G_Treasurer		Vaughan	R	0.505398273
12G_US_Senate	53.69%	Casey	D	0.514222562
12G_US_Senate	44.59%	Smith	R	0.485777467
12P_AG	52.82%	Kane	D	0.29539004
12P_AG	47.18%	Murphy	D	0.70460999
12P_US_Senate	80.88%	Casey	D	0.842202723
12P_US_Senate	19.12%	Vodvarka	D	0.157797262
14G_Governor	54.93%	Wolf	D	0.513851941
14G_Governor	45.07%	Corbett	R	0.486148089
14P_Governor	16.84%	McCord	D	0.157364592
14P_Governor	7.66%	McGinty	D	0.056837212
14P_Governor	17.64%	Schwartz	D	0.263490707
14P_Governor	57.86%	Wolf	D	0.522307456
14P_Lt_Governor	15.88%	Critz	D	0.035536386
14P_Lt_Governor	11.91%	Koplinski	D	0.108390152
14P_Lt_Governor	10.84%	Neuman	D	0.063698344
14P_Lt_Governor	14.57%	Smith	D	0.136106864
14P_Lt_Governor	46.79%	Stack	D	0.656268239
16G_AG	51.39%	Shapiro	D	0.496460021
16G_AG	48.61%	Rafferty	R	0.503539979
16G_Auditor		Depasquale	D	0.466761917
16G_Auditor		Brown	R	0.533238113
16G_President	47.85%	Clinton	D	0.494497269
16G_President	48.58%	Trump	R	0.50550276
16G_Treasurer		Torsella	D	0.493719846
16G_Treasurer		Voit	R	0.506280184
16G_US_Senate	47.34%	McGinty	D	0.4624044
16G_US_Senate	48.77%	Toomey	R	0.53759557
16P_AG	16.22%	Morganelli	D	0.164276764
16P_AG	47.03%	Shapiro	D	0.632152319
16P_AG	36.74%	Zappala	D	0.203570932
16P_President	55.61%	Clinton	D	0.551271379
16P_President	0.86%	DeLaFuente	D	0.009410203
16P_President	43.53%	Sanders	D	0.439318419
16P_US_Senate	19.49%	Fetterman	D	0.107994594
16P_US_Senate	42.50%	McGinty	D	0.434815913
16P_US_Senate	32.57%	Sestak	D	0.424513012
16P_US_Senate	5.45%	Vodvarka	D	0.032676499

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

17G_Supreme_Court		Woodruff	D	0.477889419
17G_Supreme_Court		Mundy	R	0.522110581
18G_Governor	57.77%	Wolf	D	0.584933698
18G_Governor	40.70%	Wagner	R	0.415066332
18G_US_Senator		Casey	D	0.561575234
18G_US_Senator		Barletta	R	0.438424766
18P_Lt_Governor	23.78%	Ahmad	D	0.288074911
18P_Lt_Governor	18.55%	Cozzone	D	0.210718006
18P_Lt_Governor	37.48%	Fetterman	D	0.200166494
18P_Lt_Governor	3.58%	Sosa	D	0.085182101
18P_Lt_Governor	16.62%	Stack	D	0.215858474
20G_AG		Shapiro	D	0.516409755
20G_AG		Heidelbaugh	R	0.483590275
20G_Auditor	46.35%	Ahmad	D	0.476562828
20G_Auditor	49.44%	Defoor	R	0.523437202
20G_President	50.01%	Biden	D	0.514185667
20G_President	48.84%	Trump	R	0.485814363
20G_Treasurer		Torsella	D	0.497132152
20G_Treasurer		Garrity	R	0.502867877
20P_Auditor	36.44%	Ahmad	D	0.588074028
20P_Auditor	7.47%	Conklin	D	0.044165697
20P_Auditor	5.99%	Davis	D	0.045038491
20P_Auditor	9.00%	Fountain	D	0.088275447
20P_Auditor	13.97%	Hartman	D	0.159262821
20P_Auditor	27.14%	Lamb	D	0.075183511
20P_President	79.26%	Biden	D	0.817314386
20P_President	2.70%	Gabbard	D	0.020629428
20P_President	18.04%	Sanders	D	0.162056193

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.930448055
12G_AG	41.56%	Freed	R	0.069551945
12G_Auditor		Depasquale	D	0.921346962
12G_Auditor		Maher	R	0.078653045
12G_President		Obama	D	0.927255929
12G_President		Romney	R	0.072744071
12G_Treasurer		McCord	D	0.927647233
12G_Treasurer		Vaughan	R	0.072352797
12G_US_Senate	53.69%	Casey	D	0.931533813
12G_US_Senate	44.59%	Smith	R	0.068466187
12P_AG	52.82%	Kane	D	0.367292434
12P_AG	47.18%	Murphy	D	0.632707536
12P_US_Senate	80.88%	Casey	D	0.807398617
12P_US_Senate	19.12%	Vodvarka	D	0.192601413
14G_Governor	54.93%	Wolf	D	0.941248477
14G_Governor	45.07%	Corbett	R	0.058751523
14P_Governor	16.84%	McCord	D	0.157898009
14P_Governor	7.66%	McGinty	D	0.034306705
14P_Governor	17.64%	Schwartz	D	0.320932686
14P_Governor	57.86%	Wolf	D	0.4868626
14P_Lt_Governor	15.88%	Critz	D	0.035409518
14P_Lt_Governor	11.91%	Koplinski	D	0.033291638
14P_Lt_Governor	10.84%	Neuman	D	0.041825093
14P_Lt_Governor	14.57%	Smith	D	0.061703473
14P_Lt_Governor	46.79%	Stack	D	0.827770293
15G_Mayor		Kenney	D	0.917652667
15G_Mayor		Bailey	R	0.068744346
15G_Mayor		Foster	U	0.006626694
15G_Mayor		Hart	U	0.005593173
15G_Mayor		Kindij	U	0.001383094
15G_Sheriff		Williams	D	0.880799532
15G_Sheriff		Sawyer	R	0.119200461
15P_Mayor		Abraham	D	0.061172854
15P_Mayor		Diaz	D	0.020296983
15P_Mayor		Kenney	D	0.526241601
15P_Mayor		Oliver	D	0.046401162
15P_Mayor		Street	D	0.019345563
15P_Mayor		Williams	D	0.326541841
16G_AG	51.39%	Shapiro	D	0.913099885
16G_AG	48.61%	Rafferty	R	0.0869001
16G_Auditor		Depasquale	D	0.911212087
16G_Auditor		Brown	R	0.088787891
16G_Congress_Dist1		Brady	D	0.853770137
16G_Congress_Dist1		Williams	R	0.146229863
16G_President	47.85%	Clinton	D	0.920516551

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.079483435
16G_Treasurer		Torsella	D	0.918215454
16G_Treasurer		Voit	R	0.081784539
16G_US_Senate	47.34%	McGinty	D	0.903400481
16G_US_Senate	48.77%	Toomey	R	0.096599534
16P_AG	16.22%	Morganelli	D	0.094515093
16P_AG	47.03%	Shapiro	D	0.577197433
16P_AG	36.74%	Zappala	D	0.328287452
16P_Congress_Dist2		Evans	D	0.444950968
16P_Congress_Dist2		Fattah	D	0.389852524
16P_Congress_Dist2		Gordon	D	0.106200472
16P_Congress_Dist2		Muroff	D	0.05899604
16P_President	55.61%	Clinton	D	0.644392192
16P_President	0.86%	DeLaFuente	D	0.002462658
16P_President	43.53%	Sanders	D	0.353145123
16P_US_Senate	19.49%	Fetterman	D	0.171437591
16P_US_Senate	42.50%	McGinty	D	0.459170669
16P_US_Senate	32.57%	Sestak	D	0.260240912
16P_US_Senate	5.45%	Vodvarka	D	0.109150812
17G_Supreme_Court		Woodruff	D	0.90713042
17G_Supreme_Court		Mundy	R	0.092869572
17P_DA		Deni	D	0.011580486
17P_DA		Khan	D	0.183948815
17P_DA		Krasner	D	0.423500299
17P_DA		Negrin	D	0.12092562
17P_DA		ONeill	D	0.040015537
17P_DA		Shabazz	D	0.145415336
17P_DA		Untermeyer	D	0.074613899
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.949875414
18G_Congress_Dist3		Leib	R	0.050124574
18G_Congress_Dist5		Scanlon	D	0.803309083
18G_Congress_Dist5		Kim	R	0.196690932
18G_Governor	57.77%	Wolf	D	0.94041872
18G_Governor	40.70%	Wagner	R	0.059581261
18G_US_Senator		Casey	D	0.938357353
18G_US_Senator		Barletta	R	0.061642643
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.010880567
18P_Congress_Dist5		Davidson	D	0.021339405
18P_Congress_Dist5		Kirkland	D	0.025809716
18P_Congress_Dist5		Lazer	D	0.411184222
18P_Congress_Dist5		Li	D	0.124409579
18P_Congress_Dist5		Lunkenheimer	D	0.067223348
18P_Congress_Dist5		Scanlon	D	0.08316464

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	0.133350208
18P_Congress_Dist5		Vitali	D	0.040991902
18P_Congress_Dist5		Wright	D	0.08164642
18P_Lt_Governor	23.78%	Ahmad	D	0.294060946
18P_Lt_Governor	18.55%	Cozzone	D	0.162536442
18P_Lt_Governor	37.48%	Fetterman	D	0.166897863
18P_Lt_Governor	3.58%	Sosa	D	0.008358412
18P_Lt_Governor	16.62%	Stack	D	0.36814633
19P_Mayor		Butkovitz	D	0.055239823
19P_Mayor		Kenney	D	0.678280056
19P_Mayor		Williams	D	0.266480118
19P_Municipal_Judge		Brunson	D	0.449836552
19P_Municipal_Judge		Conroy	D	0.550163448
19P_Register_Wills		Donatucci	D	0.395278871
19P_Register_Wills		Gordon	D	0.448091716
19P_Register_Wills		Whaumbush	D	0.156629413
20G_AG		Shapiro	D	0.905082762
20G_AG		Heidelbaugh	R	0.094917253
20G_Auditor	46.35%	Ahmad	D	0.899494827
20G_Auditor	49.44%	Defoor	R	0.100505166
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.904152453
20G_President	48.84%	Trump	R	0.095847532
20G_Treasurer		Torsella	D	0.898070812
20G_Treasurer		Garrity	R	0.101929165
20P_Auditor	36.44%	Ahmad	D	0.72894913
20P_Auditor	7.47%	Conklin	D	0.025379587
20P_Auditor	5.99%	Davis	D	0.04950187
20P_Auditor	9.00%	Fountain	D	0.066942476
20P_Auditor	13.97%	Hartman	D	0.034019064
20P_Auditor	27.14%	Lamb	D	0.095207877
20P_President	79.26%	Biden	D	0.801927209
20P_President	2.70%	Gabbard	D	0.010461668
20P_President	18.04%	Sanders	D	0.187611103
21G_Superior_Judge		Lane	D	0.906229496
21G_Superior_Judge		Sullivan	R	0.093770504
21P_DA		Krasner	D	0.771524489
21P_DA		Vega	D	0.228475526
21P_Superior_Judge		Beck	D	0.102116346
21P_Superior_Judge		Lane	D	0.873841524
21P_Superior_Judge		Neft	D	0.024042126

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.798934102
12G_AG	41.56%	Freed	R	0.201065883
12G_Auditor		Depasquale	D	0.766076565
12G_Auditor		Maher	R	0.233923465
12G_President		Obama	D	0.780356586
12G_President		Romney	R	0.219643384
12G_Treasurer		McCord	D	0.793260157
12G_Treasurer		Vaughan	R	0.206739843
12G_US_Senate	53.69%	Casey	D	0.798685551
12G_US_Senate	44.59%	Smith	R	0.201314449
12P_AG	52.82%	Kane	D	0.357354015
12P_AG	47.18%	Murphy	D	0.642646015
12P_US_Senate	80.88%	Casey	D	0.783228993
12P_US_Senate	19.12%	Vodvarka	D	0.216771007
14G_Governor	54.93%	Wolf	D	0.800868332
14G_Governor	45.07%	Corbett	R	0.199131697
14P_Governor	16.84%	McCord	D	0.1364007
14P_Governor	7.66%	McGinty	D	0.05104183
14P_Governor	17.64%	Schwartz	D	0.327139616
14P_Governor	57.86%	Wolf	D	0.485417873
14P_Lt_Governor	15.88%	Critz	D	0.040167972
14P_Lt_Governor	11.91%	Koplinski	D	0.032279585
14P_Lt_Governor	10.84%	Neuman	D	0.032907516
14P_Lt_Governor	14.57%	Smith	D	0.054610386
14P_Lt_Governor	46.79%	Stack	D	0.840034544
15G_Mayor		Kenney	D	0.772542834
15G_Mayor		Bailey	R	0.215935603
15G_Mayor		Foster	U	0.006368934
15G_Mayor		Hart	U	0.003858955
15G_Mayor		Kindij	U	0.00129369
15G_Sheriff		Williams	D	0.674260557
15G_Sheriff		Sawyer	R	0.325739413
15P_Mayor		Abraham	D	0.121932201
15P_Mayor		Diaz	D	0.068092339
15P_Mayor		Kenney	D	0.593887389
15P_Mayor		Oliver	D	0.03368187
15P_Mayor		Street	D	0.013753963
15P_Mayor		Williams	D	0.168652207
16G_AG	51.39%	Shapiro	D	0.772169352
16G_AG	48.61%	Rafferty	R	0.227830648
16G_Auditor		Depasquale	D	0.758941293
16G_Auditor		Brown	R	0.241058692
16G_Congress_Dist1		Brady	D	0.811323345
16G_Congress_Dist1		Williams	R	0.188676625
16G_President	47.85%	Clinton	D	0.751225412

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

16G_President	48.58%	Trump	R	0.248774573
16G_Treasurer		Torsella	D	0.78675729
16G_Treasurer		Voit	R	0.213242739
16G_US_Senate	47.34%	McGinty	D	0.740398586
16G_US_Senate	48.77%	Toomey	R	0.259601444
16P_AG	16.22%	Morganelli	D	0.125211194
16P_AG	47.03%	Shapiro	D	0.513814211
16P_AG	36.74%	Zappala	D	0.36097458
16P_Congress_Dist2		Evans	D	0.429542363
16P_Congress_Dist2		Fattah	D	0.419347525
16P_Congress_Dist2		Gordon	D	0.133590087
16P_Congress_Dist2		Muroff	D	0.017520012
16P_President	55.61%	Clinton	D	0.608033061
16P_President	0.86%	DeLaFuente	D	0.007200052
16P_President	43.53%	Sanders	D	0.384766877
16P_US_Senate	19.49%	Fetterman	D	0.19841595
16P_US_Senate	42.50%	McGinty	D	0.389640749
16P_US_Senate	32.57%	Sestak	D	0.28055492
16P_US_Senate	5.45%	Vodvarka	D	0.131388396
17G_Supreme_Court		Woodruff	D	0.63942641
17G_Supreme_Court		Mundy	R	0.36057356
17P_DA		Deni	D	0.023888195
17P_DA		Khan	D	0.209077507
17P_DA		Krasner	D	0.287305772
17P_DA		Negrin	D	0.190324172
17P_DA		ONeill	D	0.10501875
17P_DA		Shabazz	D	0.073316664
17P_DA		Untermeyer	D	0.111068942
18G_Congress_Dist2		Boyle	D	0.790169418
18G_Congress_Dist2		Torres	R	0.209830582
18G_Congress_Dist3		Evans	D	0.869818985
18G_Congress_Dist3		Leib	R	0.130181015
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.805172741
18G_Governor	40.70%	Wagner	R	0.194827259
18G_US_Senator		Casey	D	0.799425721
18G_US_Senator		Barletta	R	0.200574309
18P_Congress_Dist2		Boyle	D	0.645664334
18P_Congress_Dist2		Lawrence	D	0.354335666
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Proposed Congressional Plan of the Republican Congressmen (2)
Submitted by the Gressman Math/Science Petitioners

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.200588435
18P_Lt_Governor	18.55%	Cozzone	D	0.161746532
18P_Lt_Governor	37.48%	Fetterman	D	0.172823027
18P_Lt_Governor	3.58%	Sosa	D	0.013524205
18P_Lt_Governor	16.62%	Stack	D	0.451317817
19P_Mayor		Butkovitz	D	0.158259228
19P_Mayor		Kenney	D	0.623102665
19P_Mayor		Williams	D	0.218638107
19P_Municipal_Judge		Brunson	D	0.435569108
19P_Municipal_Judge		Conroy	D	0.564430892
19P_Register_Wills		Donatucci	D	0.433739632
19P_Register_Wills		Gordon	D	0.415815324
19P_Register_Wills		Whaumbush	D	0.150445029
20G_AG		Shapiro	D	0.73740679
20G_AG		Heidelbaugh	R	0.26259324
20G_Auditor	46.35%	Ahmad	D	0.718772411
20G_Auditor	49.44%	Defoor	R	0.281227618
20G_Congress_Dist2		Boyle	D	0.72522229
20G_Congress_Dist2		Torres	R	0.27477774
20G_President	50.01%	Biden	D	0.714605331
20G_President	48.84%	Trump	R	0.285394669
20G_Treasurer		Torsella	D	0.724632263
20G_Treasurer		Garrity	R	0.275367737
20P_Auditor	36.44%	Ahmad	D	0.694214702
20P_Auditor	7.47%	Conklin	D	0.03526029
20P_Auditor	5.99%	Davis	D	0.057508908
20P_Auditor	9.00%	Fountain	D	0.055199672
20P_Auditor	13.97%	Hartman	D	0.056398697
20P_Auditor	27.14%	Lamb	D	0.101417743
20P_President	79.26%	Biden	D	0.786864817
20P_President	2.70%	Gabbard	D	0.022331249
20P_President	18.04%	Sanders	D	0.190803945
21G_Superior_Judge		Lane	D	0.628240824
21G_Superior_Judge		Sullivan	R	0.371759206
21P_DA		Krasner	D	0.479997486
21P_DA		Vega	D	0.520002484
21P_Superior_Judge		Beck	D	0.178960532
21P_Superior_Judge		Lane	D	0.771395564
21P_Superior_Judge		Neft	D	0.049643889

Concerned Citizens for Democracy

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.527534842
12G_AG	41.56%	Freed	R	0.472465158
12G_Auditor		Depasquale	D	0.479635537
12G_Auditor		Maher	R	0.520364463
12G_President		Obama	D	0.507235765
12G_President		Romney	R	0.492764264
12G_Treasurer		McCord	D	0.503428459
12G_Treasurer		Vaughan	R	0.496571541
12G_US_Senate	53.69%	Casey	D	0.52352643
12G_US_Senate	44.59%	Smith	R	0.4764736
12P_AG	52.82%	Kane	D	0.292821735
12P_AG	47.18%	Murphy	D	0.707178235
12P_US_Senate	80.88%	Casey	D	0.844066501
12P_US_Senate	19.12%	Vodvarka	D	0.155933484
14G_Governor	54.93%	Wolf	D	0.522134304
14G_Governor	45.07%	Corbett	R	0.477865726
14P_Governor	16.84%	McCord	D	0.157392412
14P_Governor	7.66%	McGinty	D	0.056104574
14P_Governor	17.64%	Schwartz	D	0.278783202
14P_Governor	57.86%	Wolf	D	0.507719815
14P_Lt_Governor	15.88%	Critz	D	0.034878705
14P_Lt_Governor	11.91%	Koplinski	D	0.111590296
14P_Lt_Governor	10.84%	Neuman	D	0.0628841
14P_Lt_Governor	14.57%	Smith	D	0.1309973
14P_Lt_Governor	46.79%	Stack	D	0.659649611
16G_AG	51.39%	Shapiro	D	0.510441661
16G_AG	48.61%	Rafferty	R	0.489558309
16G_Auditor		Depasquale	D	0.479617923
16G_Auditor		Brown	R	0.520382047
16G_President	47.85%	Clinton	D	0.508842051
16G_President	48.58%	Trump	R	0.491157949
16G_Treasurer		Torsella	D	0.506197512
16G_Treasurer		Voit	R	0.493802518
16G_US_Senate	47.34%	McGinty	D	0.474620938
16G_US_Senate	48.77%	Toomey	R	0.525379062
16P_AG	16.22%	Morganelli	D	0.159489572
16P_AG	47.03%	Shapiro	D	0.641654253
16P_AG	36.74%	Zappala	D	0.19885619
16P_President	55.61%	Clinton	D	0.555748582
16P_President	0.86%	DeLaFuente	D	0.009178367
16P_President	43.53%	Sanders	D	0.435073078
16P_US_Senate	19.49%	Fetterman	D	0.107222162
16P_US_Senate	42.50%	McGinty	D	0.434736729
16P_US_Senate	32.57%	Sestak	D	0.425799727
16P_US_Senate	5.45%	Vodvarka	D	0.032241397

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.489465117
17G_Supreme_Court		Mundy	R	0.510534883
18G_Governor	57.77%	Wolf	D	0.597153902
18G_Governor	40.70%	Wagner	R	0.402846068
18G_US_Senator		Casey	D	0.575008929
18G_US_Senator		Barletta	R	0.424991071
18P_Lt_Governor	23.78%	Ahmad	D	0.291417032
18P_Lt_Governor	18.55%	Cozzone	D	0.209258705
18P_Lt_Governor	37.48%	Fetterman	D	0.195622787
18P_Lt_Governor	3.58%	Sosa	D	0.087887041
18P_Lt_Governor	16.62%	Stack	D	0.215814427
20G_AG		Shapiro	D	0.531871498
20G_AG		Heidelbaugh	R	0.468128502
20G_Auditor	46.35%	Ahmad	D	0.490164608
20G_Auditor	49.44%	Defoor	R	0.509835422
20G_President	50.01%	Biden	D	0.528651655
20G_President	48.84%	Trump	R	0.471348315
20G_Treasurer		Torsella	D	0.511642575
20G_Treasurer		Garrity	R	0.488357425
20P_Auditor	36.44%	Ahmad	D	0.593930423
20P_Auditor	7.47%	Conklin	D	0.044396359
20P_Auditor	5.99%	Davis	D	0.044505093
20P_Auditor	9.00%	Fountain	D	0.0869551
20P_Auditor	13.97%	Hartman	D	0.155718893
20P_Auditor	27.14%	Lamb	D	0.074494109
20P_President	79.26%	Biden	D	0.818952382
20P_President	2.70%	Gabbard	D	0.020136299
20P_President	18.04%	Sanders	D	0.160911307

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.79896307
12G_AG	41.56%	Freed	R	0.201036945
12G_Auditor		Depasquale	D	0.766077757
12G_Auditor		Maher	R	0.233922228
12G_President		Obama	D	0.780367851
12G_President		Romney	R	0.219632179
12G_Treasurer		McCord	D	0.793262422
12G_Treasurer		Vaughan	R	0.206737563
12G_US_Senate	53.69%	Casey	D	0.798690975
12G_US_Senate	44.59%	Smith	R	0.20130901
12P_AG	52.82%	Kane	D	0.357291669
12P_AG	47.18%	Murphy	D	0.642708361
12P_US_Senate	80.88%	Casey	D	0.783208251
12P_US_Senate	19.12%	Vodvarka	D	0.216791764
14G_Governor	54.93%	Wolf	D	0.800939798
14G_Governor	45.07%	Corbett	R	0.199060231
14P_Governor	16.84%	McCord	D	0.136455864
14P_Governor	7.66%	McGinty	D	0.051051728
14P_Governor	17.64%	Schwartz	D	0.327154189
14P_Governor	57.86%	Wolf	D	0.485338241
14P_Lt_Governor	15.88%	Critz	D	0.040148277
14P_Lt_Governor	11.91%	Koplinski	D	0.032283373
14P_Lt_Governor	10.84%	Neuman	D	0.032891382
14P_Lt_Governor	14.57%	Smith	D	0.054603223
14P_Lt_Governor	46.79%	Stack	D	0.840073764
15G_Mayor		Kenney	D	0.772620738
15G_Mayor		Bailey	R	0.215839505
15G_Mayor		Foster	U	0.006388858
15G_Mayor		Hart	U	0.003857632
15G_Mayor		Kindij	U	0.001293246
15G_Sheriff		Williams	D	0.674276054
15G_Sheriff		Sawyer	R	0.325723946
15P_Mayor		Abraham	D	0.121880792
15P_Mayor		Diaz	D	0.068050854
15P_Mayor		Kenney	D	0.594007552
15P_Mayor		Oliver	D	0.033705998
15P_Mayor		Street	D	0.013748163
15P_Mayor		Williams	D	0.168606654
16G_AG	51.39%	Shapiro	D	0.772142172
16G_AG	48.61%	Rafferty	R	0.227857813
16G_Auditor		Depasquale	D	0.758912086
16G_Auditor		Brown	R	0.241087943
16G_Congress_Dist1		Brady	D	0.811291754
16G_Congress_Dist1		Williams	R	0.188708216
16G_President	47.85%	Clinton	D	0.751235783

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.248764187
16G_Treasurer		Torsella	D	0.786742032
16G_Treasurer		Voit	R	0.213257954
16G_US_Senate	47.34%	McGinty	D	0.740369678
16G_US_Senate	48.77%	Toomey	R	0.259630352
16P_AG	16.22%	Morganelli	D	0.125201538
16P_AG	47.03%	Shapiro	D	0.513963521
16P_AG	36.74%	Zappala	D	0.360834926
16P_Congress_Dist2		Evans	D	0.429542363
16P_Congress_Dist2		Fattah	D	0.419347525
16P_Congress_Dist2		Gordon	D	0.133590087
16P_Congress_Dist2		Muroff	D	0.017520012
16P_President	55.61%	Clinton	D	0.608116388
16P_President	0.86%	DeLaFuente	D	0.007198076
16P_President	43.53%	Sanders	D	0.384685516
16P_US_Senate	19.49%	Fetterman	D	0.198420539
16P_US_Senate	42.50%	McGinty	D	0.38981241
16P_US_Senate	32.57%	Sestak	D	0.280448467
16P_US_Senate	5.45%	Vodvarka	D	0.131318584
17G_Supreme_Court		Woodruff	D	0.639565349
17G_Supreme_Court		Mundy	R	0.360434622
17P_DA		Deni	D	0.023870608
17P_DA		Khan	D	0.209191293
17P_DA		Krasner	D	0.287317336
17P_DA		Negrin	D	0.190228671
17P_DA		ONeill	D	0.104986057
17P_DA		Shabazz	D	0.073262691
17P_DA		Untermeyer	D	0.111143336
18G_Congress_Dist2		Boyle	D	0.790169418
18G_Congress_Dist2		Torres	R	0.209830582
18G_Congress_Dist3		Evans	D	0.870075107
18G_Congress_Dist3		Leib	R	0.129924908
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.805201769
18G_Governor	40.70%	Wagner	R	0.194798246
18G_US_Senator		Casey	D	0.799463034
18G_US_Senator		Barletta	R	0.200536937
18P_Congress_Dist2		Boyle	D	0.645664334
18P_Congress_Dist2		Lawrence	D	0.354335666
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.200790703
18P_Lt_Governor	18.55%	Cozzone	D	0.161625892
18P_Lt_Governor	37.48%	Fetterman	D	0.172868788
18P_Lt_Governor	3.58%	Sosa	D	0.013565605
18P_Lt_Governor	16.62%	Stack	D	0.451148987
19P_Mayor		Butkovitz	D	0.158194467
19P_Mayor		Kenney	D	0.623286545
19P_Mayor		Williams	D	0.218519017
19P_Municipal_Judge		Brunson	D	0.435311377
19P_Municipal_Judge		Conroy	D	0.564688623
19P_Register_Wills		Donatucci	D	0.433525771
19P_Register_Wills		Gordon	D	0.415980101
19P_Register_Wills		Whaumbush	D	0.150494114
20G_AG		Shapiro	D	0.737470627
20G_AG		Heidelbaugh	R	0.262529373
20G_Auditor	46.35%	Ahmad	D	0.718825817
20G_Auditor	49.44%	Defoor	R	0.281174213
20G_Congress_Dist2		Boyle	D	0.725222229
20G_Congress_Dist2		Torres	R	0.274777774
20G_President	50.01%	Biden	D	0.714669704
20G_President	48.84%	Trump	R	0.285330296
20G_Treasurer		Torsella	D	0.72468251
20G_Treasurer		Garrity	R	0.27531746
20P_Auditor	36.44%	Ahmad	D	0.694225252
20P_Auditor	7.47%	Conklin	D	0.035239015
20P_Auditor	5.99%	Davis	D	0.05753671
20P_Auditor	9.00%	Fountain	D	0.055217039
20P_Auditor	13.97%	Hartman	D	0.056437917
20P_Auditor	27.14%	Lamb	D	0.101344079
20P_President	79.26%	Biden	D	0.786893368
20P_President	2.70%	Gabbard	D	0.02233414
20P_President	18.04%	Sanders	D	0.190772474
21G_Superior_Judge		Lane	D	0.628427684
21G_Superior_Judge		Sullivan	R	0.371572345
21P_DA		Krasner	D	0.480076939
21P_DA		Vega	D	0.519923031
21P_Superior_Judge		Beck	D	0.179066852
21P_Superior_Judge		Lane	D	0.771313131
21P_Superior_Judge		Neft	D	0.04962001

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.924014986
12G_AG	41.56%	Freed	R	0.075985014
12G_Auditor		Depasquale	D	0.9125669
12G_Auditor		Maher	R	0.087433092
12G_President		Obama	D	0.920504272
12G_President		Romney	R	0.079495728
12G_Treasurer		McCord	D	0.920559168
12G_Treasurer		Vaughan	R	0.079440817
12G_US_Senate	53.69%	Casey	D	0.925230742
12G_US_Senate	44.59%	Smith	R	0.074769266
12P_AG	52.82%	Kane	D	0.371260703
12P_AG	47.18%	Murphy	D	0.628739297
12P_US_Senate	80.88%	Casey	D	0.8135463
12P_US_Senate	19.12%	Vodvarka	D	0.186453715
14G_Governor	54.93%	Wolf	D	0.93603003
14G_Governor	45.07%	Corbett	R	0.063969955
14P_Governor	16.84%	McCord	D	0.161340535
14P_Governor	7.66%	McGinty	D	0.034663625
14P_Governor	17.64%	Schwartz	D	0.326736391
14P_Governor	57.86%	Wolf	D	0.477259427
14P_Lt_Governor	15.88%	Critz	D	0.034146398
14P_Lt_Governor	11.91%	Koplinski	D	0.034737576
14P_Lt_Governor	10.84%	Neuman	D	0.041370586
14P_Lt_Governor	14.57%	Smith	D	0.061175022
14P_Lt_Governor	46.79%	Stack	D	0.828570426
15G_Mayor		Kenney	D	0.909320176
15G_Mayor		Bailey	R	0.075321093
15G_Mayor		Foster	U	0.007719446
15G_Mayor		Hart	U	0.006188678
15G_Mayor		Kindij	U	0.001450585
15G_Sheriff		Williams	D	0.866946161
15G_Sheriff		Sawyer	R	0.133053839
15P_Mayor		Abraham	D	0.064566068
15P_Mayor		Diaz	D	0.022095667
15P_Mayor		Kenney	D	0.540980995
15P_Mayor		Oliver	D	0.047916565
15P_Mayor		Street	D	0.018142361
15P_Mayor		Williams	D	0.306298345
16G_AG	51.39%	Shapiro	D	0.907008171
16G_AG	48.61%	Rafferty	R	0.092991851
16G_Auditor		Depasquale	D	0.904617846
16G_Auditor		Brown	R	0.095382176
16G_Congress_Dist1		Brady	D	0.834035575
16G_Congress_Dist1		Williams	R	0.16596441
16G_President	47.85%	Clinton	D	0.915999174

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.084000841
16G_Treasurer		Torsella	D	0.912091851
16G_Treasurer		Voit	R	0.087908134
16G_US_Senate	47.34%	McGinty	D	0.896752298
16G_US_Senate	48.77%	Toomey	R	0.103247717
16P_AG	16.22%	Morganelli	D	0.092058808
16P_AG	47.03%	Shapiro	D	0.594614148
16P_AG	36.74%	Zappala	D	0.313327044
16P_Congress_Dist2		Evans	D	0.438472837
16P_Congress_Dist2		Fattah	D	0.369121701
16P_Congress_Dist2		Gordon	D	0.107475027
16P_Congress_Dist2		Muroff	D	0.084930412
16P_President	55.61%	Clinton	D	0.635733902
16P_President	0.86%	DeLaFuente	D	0.002477288
16P_President	43.53%	Sanders	D	0.361788779
16P_US_Senate	19.49%	Fetterman	D	0.175249651
16P_US_Senate	42.50%	McGinty	D	0.457865089
16P_US_Senate	32.57%	Sestak	D	0.265067905
16P_US_Senate	5.45%	Vodvarka	D	0.10181734
17G_Supreme_Court		Woodruff	D	0.900591314
17G_Supreme_Court		Mundy	R	0.099408716
17P_DA		Deni	D	0.011253167
17P_DA		Khan	D	0.198510498
17P_DA		Krasner	D	0.42893067
17P_DA		Negrin	D	0.121183507
17P_DA		ONeill	D	0.03590801
17P_DA		Shabazz	D	0.133987844
17P_DA		Untermeyer	D	0.070226319
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.944833875
18G_Congress_Dist3		Leib	R	0.055166114
18G_Congress_Dist5		Scanlon	D	0.709573746
18G_Congress_Dist5		Kim	R	0.290426284
18G_Governor	57.77%	Wolf	D	0.937258303
18G_Governor	40.70%	Wagner	R	0.062741682
18G_US_Senator		Casey	D	0.934661746
18G_US_Senator		Barletta	R	0.065338254
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.014173035
18P_Congress_Dist5		Davidson	D	0.008503821
18P_Congress_Dist5		Kirkland	D	0.010722209
18P_Congress_Dist5		Lazer	D	0.471530676
18P_Congress_Dist5		Li	D	0.109440476
18P_Congress_Dist5		Lunkenheimer	D	0.069016516
18P_Congress_Dist5		Scanlon	D	0.095144197

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.135075182
18P_Congress_Dist5		Vitali	D	0.040300716
18P_Congress_Dist5		Wright	D	0.046093173
18P_Lt_Governor	23.78%	Ahmad	D	0.31237635
18P_Lt_Governor	18.55%	Cozzone	D	0.153542608
18P_Lt_Governor	37.48%	Fetterman	D	0.180587366
18P_Lt_Governor	3.58%	Sosa	D	0.008203464
18P_Lt_Governor	16.62%	Stack	D	0.345290244
19P_Mayor		Butkovitz	D	0.055771116
19P_Mayor		Kenney	D	0.69401437
19P_Mayor		Williams	D	0.250214517
19P_Municipal_Judge		Brunson	D	0.452056557
19P_Municipal_Judge		Conroy	D	0.547943413
19P_Register_Wills		Donatucci	D	0.379071593
19P_Register_Wills		Gordon	D	0.458615988
19P_Register_Wills		Whaumbush	D	0.162312418
20G_AG		Shapiro	D	0.901601434
20G_AG		Heidelbaugh	R	0.098398566
20G_Auditor	46.35%	Ahmad	D	0.89514029
20G_Auditor	49.44%	Defoor	R	0.104859725
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.901793838
20G_President	48.84%	Trump	R	0.09820614
20G_Treasurer		Torsella	D	0.894358456
20G_Treasurer		Garrity	R	0.105641551
20P_Auditor	36.44%	Ahmad	D	0.735531926
20P_Auditor	7.47%	Conklin	D	0.02455993
20P_Auditor	5.99%	Davis	D	0.045097508
20P_Auditor	9.00%	Fountain	D	0.065560281
20P_Auditor	13.97%	Hartman	D	0.034704998
20P_Auditor	27.14%	Lamb	D	0.094545372
20P_President	79.26%	Biden	D	0.79444176
20P_President	2.70%	Gabbard	D	0.010409155
20P_President	18.04%	Sanders	D	0.195149109
21G_Superior_Judge		Lane	D	0.90438813
21G_Superior_Judge		Sullivan	R	0.095611863
21P_DA		Krasner	D	0.772228837
21P_DA		Vega	D	0.227771178
21P_Superior_Judge		Beck	D	0.101492368
21P_Superior_Judge		Lane	D	0.874579072
21P_Superior_Judge		Neft	D	0.023928562

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.598496437
12G_AG	41.56%	Freed	R	0.401503563
12G_Auditor		Depasquale	D	0.553176641
12G_Auditor		Maher	R	0.446823388
12G_President		Obama	D	0.584810495
12G_President		Romney	R	0.415189475
12G_Treasurer		McCord	D	0.583222687
12G_Treasurer		Vaughan	R	0.416777343
12G_US_Senate	53.69%	Casey	D	0.603160739
12G_US_Senate	44.59%	Smith	R	0.396839231
12P_AG	52.82%	Kane	D	0.373010129
12P_AG	47.18%	Murphy	D	0.626989841
12P_US_Senate	80.88%	Casey	D	0.880194962
12P_US_Senate	19.12%	Vodvarka	D	0.119805045
14G_Governor	54.93%	Wolf	D	0.614320219
14G_Governor	45.07%	Corbett	R	0.385679752
14P_Governor	16.84%	McCord	D	0.16023849
14P_Governor	7.66%	McGinty	D	0.039293293
14P_Governor	17.64%	Schwartz	D	0.390541315
14P_Governor	57.86%	Wolf	D	0.409926891
14P_Lt_Governor	15.88%	Critz	D	0.027938323
14P_Lt_Governor	11.91%	Koplinski	D	0.092394456
14P_Lt_Governor	10.84%	Neuman	D	0.055736657
14P_Lt_Governor	14.57%	Smith	D	0.123572588
14P_Lt_Governor	46.79%	Stack	D	0.700357974
15G_Mayor		Kenney	D	0.710047841
15G_Mayor		Bailey	R	0.27253589
15G_Mayor		Foster	U	0.010717703
15G_Mayor		Hart	U	0.005741627
15G_Mayor		Kindij	U	0.000956938
15G_Sheriff		Williams	D	0.558979273
15G_Sheriff		Sawyer	R	0.441020697
15P_Mayor		Abraham	D	0.143609017
15P_Mayor		Diaz	D	0.018796992
15P_Mayor		Kenney	D	0.720551372
15P_Mayor		Oliver	D	0.032330826
15P_Mayor		Street	D	0.005764411
15P_Mayor		Williams	D	0.078947365
16G_AG	51.39%	Shapiro	D	0.606430769
16G_AG	48.61%	Rafferty	R	0.393569231
16G_Auditor		Depasquale	D	0.570616364
16G_Auditor		Brown	R	0.429383636
16G_Congress_Dist1		Brady	D	
16G_Congress_Dist1		Williams	R	
16G_President	47.85%	Clinton	D	0.624652624

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.375347346
16G_Treasurer		Torsella	D	0.602427959
16G_Treasurer		Voit	R	0.397572011
16G_US_Senate	47.34%	McGinty	D	0.569050908
16G_US_Senate	48.77%	Toomey	R	0.430949062
16P_AG	16.22%	Morganelli	D	0.052996047
16P_AG	47.03%	Shapiro	D	0.807770729
16P_AG	36.74%	Zappala	D	0.139233217
16P_Congress_Dist2		Evans	D	0.384601057
16P_Congress_Dist2		Fattah	D	0.167785242
16P_Congress_Dist2		Gordon	D	0.204697981
16P_Congress_Dist2		Muroff	D	0.242915735
16P_President	55.61%	Clinton	D	0.591995239
16P_President	0.86%	DeLaFuente	D	0.003472769
16P_President	43.53%	Sanders	D	0.404532015
16P_US_Senate	19.49%	Fetterman	D	0.100500457
16P_US_Senate	42.50%	McGinty	D	0.446544021
16P_US_Senate	32.57%	Sestak	D	0.442821771
16P_US_Senate	5.45%	Vodvarka	D	0.010133752
17G_Supreme_Court		Woodruff	D	0.583692551
17G_Supreme_Court		Mundy	R	0.41630742
17P_DA		Deni	D	0.018132975
17P_DA		Khan	D	0.334116846
17P_DA		Krasner	D	0.279382139
17P_DA		Negrin	D	0.190732032
17P_DA		ONeill	D	0.091336466
17P_DA		Shabazz	D	0.033579584
17P_DA		Untermeyer	D	0.052719947
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.727367222
18G_Congress_Dist3		Leib	R	0.272632778
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.694233894
18G_Governor	40.70%	Wagner	R	0.305766106
18G_US_Senator		Casey	D	0.675091684
18G_US_Senator		Barletta	R	0.324908316
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.316152275
18P_Lt_Governor	18.55%	Cozzone	D	0.149608895
18P_Lt_Governor	37.48%	Fetterman	D	0.259509921
18P_Lt_Governor	3.58%	Sosa	D	0.126142994
18P_Lt_Governor	16.62%	Stack	D	0.148585901
19P_Mayor		Butkovitz	D	0.148071215
19P_Mayor		Kenney	D	0.69703263
19P_Mayor		Williams	D	0.15489614
19P_Municipal_Judge		Brunson	D	0.385574013
19P_Municipal_Judge		Conroy	D	0.614425957
19P_Register_Wills		Donatucci	D	0.402719676
19P_Register_Wills		Gordon	D	0.319386333
19P_Register_Wills		Whaumbush	D	0.27789399
20G_AG		Shapiro	D	0.648821414
20G_AG		Heidelbaugh	R	0.351178557
20G_Auditor	46.35%	Ahmad	D	0.6065467
20G_Auditor	49.44%	Defoor	R	0.3934533
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.645102441
20G_President	48.84%	Trump	R	0.354897588
20G_Treasurer		Torsella	D	0.623271465
20G_Treasurer		Garrity	R	0.376728535
20P_Auditor	36.44%	Ahmad	D	0.614874959
20P_Auditor	7.47%	Conklin	D	0.043844979
20P_Auditor	5.99%	Davis	D	0.041858967
20P_Auditor	9.00%	Fountain	D	0.075588971
20P_Auditor	13.97%	Hartman	D	0.153244346
20P_Auditor	27.14%	Lamb	D	0.070587762
20P_President	79.26%	Biden	D	0.820675671
20P_President	2.70%	Gabbard	D	0.014568684
20P_President	18.04%	Sanders	D	0.164755642
21G_Superior_Judge		Lane	D	0.675876737
21G_Superior_Judge		Sullivan	R	0.324123263
21P_DA		Krasner	D	0.481163263
21P_DA		Vega	D	0.518836737
21P_Superior_Judge		Beck	D	0.177725121
21P_Superior_Judge		Lane	D	0.773038447
21P_Superior_Judge		Neft	D	0.049236439

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.603899598
12G_AG	41.56%	Freed	R	0.396100402
12G_Auditor		Depasquale	D	0.552771091
12G_Auditor		Maher	R	0.447228909
12G_President		Obama	D	0.600977957
12G_President		Romney	R	0.399022073
12G_Treasurer		McCord	D	0.576531529
12G_Treasurer		Vaughan	R	0.423468471
12G_US_Senate	53.69%	Casey	D	0.613627076
12G_US_Senate	44.59%	Smith	R	0.386372924
12P_AG	52.82%	Kane	D	0.384212255
12P_AG	47.18%	Murphy	D	0.615787745
12P_US_Senate	80.88%	Casey	D	0.849847138
12P_US_Senate	19.12%	Vodvarka	D	0.150152877
14G_Governor	54.93%	Wolf	D	0.603244245
14G_Governor	45.07%	Corbett	R	0.396755785
14P_Governor	16.84%	McCord	D	0.172072694
14P_Governor	7.66%	McGinty	D	0.06074284
14P_Governor	17.64%	Schwartz	D	0.255191952
14P_Governor	57.86%	Wolf	D	0.511992514
14P_Lt_Governor	15.88%	Critz	D	0.040550943
14P_Lt_Governor	11.91%	Koplinski	D	0.101418592
14P_Lt_Governor	10.84%	Neuman	D	0.048358716
14P_Lt_Governor	14.57%	Smith	D	0.130477816
14P_Lt_Governor	46.79%	Stack	D	0.679193914
15G_Mayor		Kenney	D	0.946088791
15G_Mayor		Bailey	R	0.048978154
15G_Mayor		Foster	U	0.003347428
15G_Mayor		Hart	U	0.001409443
15G_Mayor		Kindij	U	0.00017618
15G_Sheriff		Williams	D	0.943687022
15G_Sheriff		Sawyer	R	0.056312982
15P_Mayor		Abraham	D	0.044704922
15P_Mayor		Diaz	D	0.01267548
15P_Mayor		Kenney	D	0.427286357
15P_Mayor		Oliver	D	0.031893145
15P_Mayor		Street	D	0.028758349
15P_Mayor		Williams	D	0.454681754
16G_AG	51.39%	Shapiro	D	0.578842103
16G_AG	48.61%	Rafferty	R	0.421157897
16G_Auditor		Depasquale	D	0.562365174
16G_Auditor		Brown	R	0.437634826
16G_Congress_Dist1		Brady	D	0.947737098
16G_Congress_Dist1		Williams	R	0.052262902
16G_President	47.85%	Clinton	D	0.613913715

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.386086315
16G_Treasurer		Torsella	D	0.587056458
16G_Treasurer		Voit	R	0.412943572
16G_US_Senate	47.34%	McGinty	D	0.563015044
16G_US_Senate	48.77%	Toomey	R	0.436984926
16P_AG	16.22%	Morganelli	D	0.108586334
16P_AG	47.03%	Shapiro	D	0.635999322
16P_AG	36.74%	Zappala	D	0.255414337
16P_Congress_Dist2		Evans	D	0.345070422
16P_Congress_Dist2		Fattah	D	0.535211265
16P_Congress_Dist2		Gordon	D	0.112676054
16P_Congress_Dist2		Muroff	D	0.007042253
16P_President	55.61%	Clinton	D	0.603578687
16P_President	0.86%	DeLaFuente	D	0.004325242
16P_President	43.53%	Sanders	D	0.392096072
16P_US_Senate	19.49%	Fetterman	D	0.075078748
16P_US_Senate	42.50%	McGinty	D	0.318363696
16P_US_Senate	32.57%	Sestak	D	0.570172846
16P_US_Senate	5.45%	Vodvarka	D	0.036384728
17G_Supreme_Court		Woodruff	D	0.509782553
17G_Supreme_Court		Mundy	R	0.490217477
17P_DA		Deni	D	0.011551155
17P_DA		Khan	D	0.138888896
17P_DA		Krasner	D	0.312706262
17P_DA		Negrin	D	0.104235426
17P_DA		ONeill	D	0.14796479
17P_DA		Shabazz	D	0.207095712
17P_DA		Untermeyer	D	0.077557757
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	0.949872613
18G_Congress_Dist5		Kim	R	0.050127383
18G_Governor	57.77%	Wolf	D	0.671087384
18G_Governor	40.70%	Wagner	R	0.328912646
18G_US_Senator		Casey	D	0.655105948
18G_US_Senator		Barletta	R	0.344894052
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.003741315
18P_Congress_Dist5		Davidson	D	0.049171567
18P_Congress_Dist5		Kirkland	D	0.058524854
18P_Congress_Dist5		Lazer	D	0.280331373
18P_Congress_Dist5		Li	D	0.156867981
18P_Congress_Dist5		Lunkenheimer	D	0.063335113
18P_Congress_Dist5		Scanlon	D	0.057188667

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.129609838
18P_Congress_Dist5		Vitali	D	0.042490646
18P_Congress_Dist5		Wright	D	0.158738643
18P_Lt_Governor	23.78%	Ahmad	D	0.353768826
18P_Lt_Governor	18.55%	Cozzone	D	0.279401481
18P_Lt_Governor	37.48%	Fetterman	D	0.167772859
18P_Lt_Governor	3.58%	Sosa	D	0.01754386
18P_Lt_Governor	16.62%	Stack	D	0.181512967
19P_Mayor		Butkovitz	D	0.045585584
19P_Mayor		Kenney	D	0.560000002
19P_Mayor		Williams	D	0.394414425
19P_Municipal_Judge		Brunson	D	0.417954385
19P_Municipal_Judge		Conroy	D	0.582045615
19P_Register_Wills		Donatucci	D	0.494787335
19P_Register_Wills		Gordon	D	0.402210176
19P_Register_Wills		Whaumbush	D	0.103002504
20G_AG		Shapiro	D	0.614121079
20G_AG		Heidelbaugh	R	0.385878921
20G_Auditor	46.35%	Ahmad	D	0.588507891
20G_Auditor	49.44%	Defoor	R	0.411492109
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.631666958
20G_President	48.84%	Trump	R	0.368333071
20G_Treasurer		Torsella	D	0.599104524
20G_Treasurer		Garrity	R	0.400895506
20P_Auditor	36.44%	Ahmad	D	0.644597828
20P_Auditor	7.47%	Conklin	D	0.036034342
20P_Auditor	5.99%	Davis	D	0.039797202
20P_Auditor	9.00%	Fountain	D	0.068117678
20P_Auditor	13.97%	Hartman	D	0.15056394
20P_Auditor	27.14%	Lamb	D	0.060889024
20P_President	79.26%	Biden	D	0.836533129
20P_President	2.70%	Gabbard	D	0.011431687
20P_President	18.04%	Sanders	D	0.152035177
21G_Superior_Judge		Lane	D	0.928322077
21G_Superior_Judge		Sullivan	R	0.071677916
21P_DA		Krasner	D	0.769696951
21P_DA		Vega	D	0.230303034
21P_Superior_Judge		Beck	D	0.115071572
21P_Superior_Judge		Lane	D	0.860791445
21P_Superior_Judge		Neft	D	0.024136962

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.538167953
12G_AG	41.56%	Freed	R	0.461832076
12G_Auditor		Depasquale	D	0.463415593
12G_Auditor		Maher	R	0.536584377
12G_President		Obama	D	0.508984268
12G_President		Romney	R	0.491015762
12G_Treasurer		McCord	D	0.502770185
12G_Treasurer		Vaughan	R	0.497229815
12G_US_Senate	53.69%	Casey	D	0.525948405
12G_US_Senate	44.59%	Smith	R	0.474051565
12P_AG	52.82%	Kane	D	0.479940742
12P_AG	47.18%	Murphy	D	0.520059288
12P_US_Senate	80.88%	Casey	D	0.836706817
12P_US_Senate	19.12%	Vodvarka	D	0.163293213
14G_Governor	54.93%	Wolf	D	0.523838103
14G_Governor	45.07%	Corbett	R	0.476161897
14P_Governor	16.84%	McCord	D	0.175254494
14P_Governor	7.66%	McGinty	D	0.079892486
14P_Governor	17.64%	Schwartz	D	0.164302871
14P_Governor	57.86%	Wolf	D	0.580550134
14P_Lt_Governor	15.88%	Critz	D	0.04991328
14P_Lt_Governor	11.91%	Koplinski	D	0.195252776
14P_Lt_Governor	10.84%	Neuman	D	0.057397056
14P_Lt_Governor	14.57%	Smith	D	0.178807735
14P_Lt_Governor	46.79%	Stack	D	0.518629134
16G_AG	51.39%	Shapiro	D	0.497296184
16G_AG	48.61%	Rafferty	R	0.502703786
16G_Auditor		Depasquale	D	0.477246404
16G_Auditor		Brown	R	0.522753596
16G_President	47.85%	Clinton	D	0.516558468
16G_President	48.58%	Trump	R	0.483441502
16G_Treasurer		Torsella	D	0.50870049
16G_Treasurer		Voit	R	0.49129954
16G_US_Senate	47.34%	McGinty	D	0.480835855
16G_US_Senate	48.77%	Toomey	R	0.519164145
16P_AG	16.22%	Morganelli	D	0.166205168
16P_AG	47.03%	Shapiro	D	0.618780017
16P_AG	36.74%	Zappala	D	0.2150148
16P_President	55.61%	Clinton	D	0.522741377
16P_President	0.86%	DeLaFuente	D	0.006171808
16P_President	43.53%	Sanders	D	0.4710868
16P_US_Senate	19.49%	Fetterman	D	0.08891619
16P_US_Senate	42.50%	McGinty	D	0.464109749
16P_US_Senate	32.57%	Sestak	D	0.42328611
16P_US_Senate	5.45%	Vodvarka	D	0.023687949

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.470703602
17G_Supreme_Court		Mundy	R	0.529296398
18G_Governor	57.77%	Wolf	D	0.597515941
18G_Governor	40.70%	Wagner	R	0.402484059
18G_US_Senator		Casey	D	0.579102457
18G_US_Senator		Barletta	R	0.420897573
18P_Lt_Governor	23.78%	Ahmad	D	0.200527921
18P_Lt_Governor	18.55%	Cozzone	D	0.514994025
18P_Lt_Governor	37.48%	Fetterman	D	0.153504953
18P_Lt_Governor	3.58%	Sosa	D	0.025144225
18P_Lt_Governor	16.62%	Stack	D	0.105828889
20G_AG		Shapiro	D	0.531755209
20G_AG		Heidelbaugh	R	0.468244761
20G_Auditor	46.35%	Ahmad	D	0.5005849
20G_Auditor	49.44%	Defoor	R	0.49941507
20G_President	50.01%	Biden	D	0.541271806
20G_President	48.84%	Trump	R	0.458728194
20G_Treasurer		Torsella	D	0.515558124
20G_Treasurer		Garrity	R	0.484441876
20P_Auditor	36.44%	Ahmad	D	0.377952188
20P_Auditor	7.47%	Conklin	D	0.047017977
20P_Auditor	5.99%	Davis	D	0.040254619
20P_Auditor	9.00%	Fountain	D	0.073348038
20P_Auditor	13.97%	Hartman	D	0.394167364
20P_Auditor	27.14%	Lamb	D	0.067259818
20P_President	79.26%	Biden	D	0.80064863
20P_President	2.70%	Gabbard	D	0.020364571
20P_President	18.04%	Sanders	D	0.178986803

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.563662529
12G_AG	41.56%	Freed	R	0.436337471
12G_Auditor		Depasquale	D	0.506530881
12G_Auditor		Maher	R	0.493469149
12G_President		Obama	D	0.525155246
12G_President		Romney	R	0.474844754
12G_Treasurer		McCord	D	0.537012696
12G_Treasurer		Vaughan	R	0.462987304
12G_US_Senate	53.69%	Casey	D	0.538752973
12G_US_Senate	44.59%	Smith	R	0.461246997
12P_AG	52.82%	Kane	D	0.512457728
12P_AG	47.18%	Murphy	D	0.487542242
12P_US_Senate	80.88%	Casey	D	0.822625399
12P_US_Senate	19.12%	Vodvarka	D	0.177374586
14G_Governor	54.93%	Wolf	D	0.54675281
14G_Governor	45.07%	Corbett	R	0.45324719
14P_Governor	16.84%	McCord	D	0.153317556
14P_Governor	7.66%	McGinty	D	0.062915057
14P_Governor	17.64%	Schwartz	D	0.144049197
14P_Governor	57.86%	Wolf	D	0.639718175
14P_Lt_Governor	15.88%	Critz	D	0.053224191
14P_Lt_Governor	11.91%	Koplinski	D	0.15134874
14P_Lt_Governor	10.84%	Neuman	D	0.070838943
14P_Lt_Governor	14.57%	Smith	D	0.234725252
14P_Lt_Governor	46.79%	Stack	D	0.489862889
16G_AG	51.39%	Shapiro	D	0.512104332
16G_AG	48.61%	Rafferty	R	0.487895668
16G_Auditor		Depasquale	D	0.490655988
16G_Auditor		Brown	R	0.509343982
16G_President	47.85%	Clinton	D	0.485182971
16G_President	48.58%	Trump	R	0.514817059
16G_Treasurer		Torsella	D	0.523041606
16G_Treasurer		Voit	R	0.476958424
16G_US_Senate	47.34%	McGinty	D	0.47713992
16G_US_Senate	48.77%	Toomey	R	0.52286011
16P_AG	16.22%	Morganelli	D	0.673226833
16P_AG	47.03%	Shapiro	D	0.235500768
16P_AG	36.74%	Zappala	D	0.091272384
16P_President	55.61%	Clinton	D	0.515033782
16P_President	0.86%	DeLaFuente	D	0.00816936
16P_President	43.53%	Sanders	D	0.476796836
16P_US_Senate	19.49%	Fetterman	D	0.10997773
16P_US_Senate	42.50%	McGinty	D	0.421341866
16P_US_Senate	32.57%	Sestak	D	0.42961821
16P_US_Senate	5.45%	Vodvarka	D	0.039062191

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.469602466
17G_Supreme_Court		Mundy	R	0.530397534
18G_Governor	57.77%	Wolf	D	0.58073473
18G_Governor	40.70%	Wagner	R	0.41926524
18G_US_Senator		Casey	D	0.551408112
18G_US_Senator		Barletta	R	0.448591858
18P_Lt_Governor	23.78%	Ahmad	D	0.284825087
18P_Lt_Governor	18.55%	Cozzone	D	0.239482358
18P_Lt_Governor	37.48%	Fetterman	D	0.192073017
18P_Lt_Governor	3.58%	Sosa	D	0.062810607
18P_Lt_Governor	16.62%	Stack	D	0.220808938
20G_AG		Shapiro	D	0.515682995
20G_AG		Heidelbaugh	R	0.484316975
20G_Auditor	46.35%	Ahmad	D	0.485162467
20G_Auditor	49.44%	Defoor	R	0.514837503
20G_President	50.01%	Biden	D	0.50305295
20G_President	48.84%	Trump	R	0.49694705
20G_Treasurer		Torsella	D	0.496600837
20G_Treasurer		Garrity	R	0.503399193
20P_Auditor	36.44%	Ahmad	D	0.338670135
20P_Auditor	7.47%	Conklin	D	0.086169362
20P_Auditor	5.99%	Davis	D	0.163851306
20P_Auditor	9.00%	Fountain	D	0.101656146
20P_Auditor	13.97%	Hartman	D	0.177753583
20P_Auditor	27.14%	Lamb	D	0.131899476
20P_President	79.26%	Biden	D	0.789887965
20P_President	2.70%	Gabbard	D	0.025839698
20P_President	18.04%	Sanders	D	0.184272349

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.638406336
12G_AG	41.56%	Freed	R	0.361593664
12G_Auditor		Depasquale	D	0.565793514
12G_Auditor		Maher	R	0.434206486
12G_President		Obama	D	0.562550008
12G_President		Romney	R	0.437449962
12G_Treasurer		McCord	D	0.597593665
12G_Treasurer		Vaughan	R	0.402406305
12G_US_Senate	53.69%	Casey	D	0.58954823
12G_US_Senate	44.59%	Smith	R	0.4104518
12P_AG	52.82%	Kane	D	0.770378351
12P_AG	47.18%	Murphy	D	0.229621619
12P_US_Senate	80.88%	Casey	D	0.904988766
12P_US_Senate	19.12%	Vodvarka	D	0.095011249
14G_Governor	54.93%	Wolf	D	0.596593142
14G_Governor	45.07%	Corbett	R	0.403406829
14P_Governor	16.84%	McCord	D	0.213453382
14P_Governor	7.66%	McGinty	D	0.087264761
14P_Governor	17.64%	Schwartz	D	0.063438833
14P_Governor	57.86%	Wolf	D	0.635843039
14P_Lt_Governor	15.88%	Critz	D	0.03992385
14P_Lt_Governor	11.91%	Koplinski	D	0.113951594
14P_Lt_Governor	10.84%	Neuman	D	0.075441934
14P_Lt_Governor	14.57%	Smith	D	0.33775723
14P_Lt_Governor	46.79%	Stack	D	0.432925403
16G_AG	51.39%	Shapiro	D	0.529494226
16G_AG	48.61%	Rafferty	R	0.470505774
16G_Auditor		Depasquale	D	0.548178196
16G_Auditor		Brown	R	0.451821804
16G_President	47.85%	Clinton	D	0.455271095
16G_President	48.58%	Trump	R	0.544728935
16G_Treasurer		Torsella	D	0.559680462
16G_Treasurer		Voit	R	0.440319568
16G_US_Senate	47.34%	McGinty	D	0.501361489
16G_US_Senate	48.77%	Toomey	R	0.498638541
16P_AG	16.22%	Morganelli	D	0.320093244
16P_AG	47.03%	Shapiro	D	0.422572196
16P_AG	36.74%	Zappala	D	0.25733456
16P_President	55.61%	Clinton	D	0.540293455
16P_President	0.86%	DeLaFuente	D	0.009894144
16P_President	43.53%	Sanders	D	0.449812382
16P_US_Senate	19.49%	Fetterman	D	0.086531781
16P_US_Senate	42.50%	McGinty	D	0.496189654
16P_US_Senate	32.57%	Sestak	D	0.383450359
16P_US_Senate	5.45%	Vodvarka	D	0.033828199

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.432055682
17G_Supreme_Court		Mundy	R	0.567944288
18G_Governor	57.77%	Wolf	D	0.57076633
18G_Governor	40.70%	Wagner	R	0.42923364
18G_US_Senator		Casey	D	0.527898908
18G_US_Senator		Barletta	R	0.472101122
18P_Lt_Governor	23.78%	Ahmad	D	0.267940879
18P_Lt_Governor	18.55%	Cozzone	D	0.171537936
18P_Lt_Governor	37.48%	Fetterman	D	0.200030416
18P_Lt_Governor	3.58%	Sosa	D	0.036249336
18P_Lt_Governor	16.62%	Stack	D	0.32424143
20G_AG		Shapiro	D	0.532840729
20G_AG		Heidelbaugh	R	0.467159301
20G_Auditor	46.35%	Ahmad	D	0.487096161
20G_Auditor	49.44%	Defoor	R	0.51290381
20G_President	50.01%	Biden	D	0.482135087
20G_President	48.84%	Trump	R	0.517864943
20G_Treasurer		Torsella	D	0.497861892
20G_Treasurer		Garrity	R	0.502138078
20P_Auditor	36.44%	Ahmad	D	0.221101284
20P_Auditor	7.47%	Conklin	D	0.073371828
20P_Auditor	5.99%	Davis	D	0.331600726
20P_Auditor	9.00%	Fountain	D	0.076636493
20P_Auditor	13.97%	Hartman	D	0.143939883
20P_Auditor	27.14%	Lamb	D	0.153349802
20P_President	79.26%	Biden	D	0.806759834
20P_President	2.70%	Gabbard	D	0.035356972
20P_President	18.04%	Sanders	D	0.157883197

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.462785095
12G_AG	41.56%	Freed	R	0.537214875
12G_Auditor		Depasquale	D	0.377375573
12G_Auditor		Maher	R	0.622624397
12G_President		Obama	D	0.386604905
12G_President		Romney	R	0.613395095
12G_Treasurer		McCord	D	0.411129922
12G_Treasurer		Vaughan	R	0.588870049
12G_US_Senate	53.69%	Casey	D	0.398516417
12G_US_Senate	44.59%	Smith	R	0.601483583
12P_AG	52.82%	Kane	D	0.705699742
12P_AG	47.18%	Murphy	D	0.294300228
12P_US_Senate	80.88%	Casey	D	0.872710049
12P_US_Senate	19.12%	Vodvarka	D	0.127289936
14G_Governor	54.93%	Wolf	D	0.430911332
14G_Governor	45.07%	Corbett	R	0.569088638
14P_Governor	16.84%	McCord	D	0.190962702
14P_Governor	7.66%	McGinty	D	0.104715228
14P_Governor	17.64%	Schwartz	D	0.07830108
14P_Governor	57.86%	Wolf	D	0.626020968
14P_Lt_Governor	15.88%	Critz	D	0.054491501
14P_Lt_Governor	11.91%	Koplinski	D	0.191439614
14P_Lt_Governor	10.84%	Neuman	D	0.047178011
14P_Lt_Governor	14.57%	Smith	D	0.404250205
14P_Lt_Governor	46.79%	Stack	D	0.302640647
16G_AG	51.39%	Shapiro	D	0.342005223
16G_AG	48.61%	Rafferty	R	0.657994747
16G_Auditor		Depasquale	D	0.345491976
16G_Auditor		Brown	R	0.654508054
16G_President	47.85%	Clinton	D	0.282877117
16G_President	48.58%	Trump	R	0.717122912
16G_Treasurer		Torsella	D	0.374140114
16G_Treasurer		Voit	R	0.625859857
16G_US_Senate	47.34%	McGinty	D	0.323262691
16G_US_Senate	48.77%	Toomey	R	0.676737309
16P_AG	16.22%	Morganelli	D	0.324579209
16P_AG	47.03%	Shapiro	D	0.46871236
16P_AG	36.74%	Zappala	D	0.206708431
16P_President	55.61%	Clinton	D	0.475747228
16P_President	0.86%	DeLaFuente	D	0.013672378
16P_President	43.53%	Sanders	D	0.51058042
16P_US_Senate	19.49%	Fetterman	D	0.13019453
16P_US_Senate	42.50%	McGinty	D	0.493409812
16P_US_Senate	32.57%	Sestak	D	0.339877456
16P_US_Senate	5.45%	Vodvarka	D	0.036518179

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.282101274
17G_Supreme_Court		Mundy	R	0.717898726
18G_Governor	57.77%	Wolf	D	0.396203369
18G_Governor	40.70%	Wagner	R	0.603796661
18G_US_Senator		Casey	D	0.361192197
18G_US_Senator		Barletta	R	0.638807774
18P_Lt_Governor	23.78%	Ahmad	D	0.227112368
18P_Lt_Governor	18.55%	Cozzone	D	0.200076848
18P_Lt_Governor	37.48%	Fetterman	D	0.283803135
18P_Lt_Governor	3.58%	Sosa	D	0.043417513
18P_Lt_Governor	16.62%	Stack	D	0.245590135
20G_AG		Shapiro	D	0.335127503
20G_AG		Heidelbaugh	R	0.664872527
20G_Auditor	46.35%	Ahmad	D	0.289167017
20G_Auditor	49.44%	Defoor	R	0.710832953
20G_President	50.01%	Biden	D	0.30109477
20G_President	48.84%	Trump	R	0.69890523
20G_Treasurer		Torsella	D	0.298224062
20G_Treasurer		Garrity	R	0.701775968
20P_Auditor	36.44%	Ahmad	D	0.187647477
20P_Auditor	7.47%	Conklin	D	0.22470504
20P_Auditor	5.99%	Davis	D	0.097034983
20P_Auditor	9.00%	Fountain	D	0.148435414
20P_Auditor	13.97%	Hartman	D	0.193515956
20P_Auditor	27.14%	Lamb	D	0.148661122
20P_President	79.26%	Biden	D	0.764707088
20P_President	2.70%	Gabbard	D	0.048134029
20P_President	18.04%	Sanders	D	0.187158912

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.491552323
12G_AG	41.56%	Freed	R	0.508447707
12G_Auditor		Depasquale	D	0.454487383
12G_Auditor		Maher	R	0.545512617
12G_President		Obama	D	0.450806201
12G_President		Romney	R	0.549193799
12G_Treasurer		McCord	D	0.463746279
12G_Treasurer		Vaughan	R	0.536253691
12G_US_Senate	53.69%	Casey	D	0.467804223
12G_US_Senate	44.59%	Smith	R	0.532195807
12P_AG	52.82%	Kane	D	0.647933304
12P_AG	47.18%	Murphy	D	0.352066696
12P_US_Senate	80.88%	Casey	D	0.84926033
12P_US_Senate	19.12%	Vodvarka	D	0.150739685
14G_Governor	54.93%	Wolf	D	0.463733733
14G_Governor	45.07%	Corbett	R	0.536266267
14P_Governor	16.84%	McCord	D	0.077894278
14P_Governor	7.66%	McGinty	D	0.063784756
14P_Governor	17.64%	Schwartz	D	0.053008005
14P_Governor	57.86%	Wolf	D	0.805312991
14P_Lt_Governor	15.88%	Critz	D	0.048082724
14P_Lt_Governor	11.91%	Koplinski	D	0.473805487
14P_Lt_Governor	10.84%	Neuman	D	0.050770748
14P_Lt_Governor	14.57%	Smith	D	0.097043172
14P_Lt_Governor	46.79%	Stack	D	0.330297887
16G_AG	51.39%	Shapiro	D	0.423871994
16G_AG	48.61%	Rafferty	R	0.576128006
16G_Auditor		Depasquale	D	0.485278517
16G_Auditor		Brown	R	0.514721453
16G_President	47.85%	Clinton	D	0.424285561
16G_President	48.58%	Trump	R	0.575714469
16G_Treasurer		Torsella	D	0.437885582
16G_Treasurer		Voit	R	0.562114418
16G_US_Senate	47.34%	McGinty	D	0.417262197
16G_US_Senate	48.77%	Toomey	R	0.582737803
16P_AG	16.22%	Morganelli	D	0.180269182
16P_AG	47.03%	Shapiro	D	0.579059243
16P_AG	36.74%	Zappala	D	0.24067156
16P_President	55.61%	Clinton	D	0.535989285
16P_President	0.86%	DeLaFuente	D	0.008679933
16P_President	43.53%	Sanders	D	0.455330789
16P_US_Senate	19.49%	Fetterman	D	0.154808775
16P_US_Senate	42.50%	McGinty	D	0.519722521
16P_US_Senate	32.57%	Sestak	D	0.290253639
16P_US_Senate	5.45%	Vodvarka	D	0.03521508

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.35685575
17G_Supreme_Court		Mundy	R	0.64314425
18G_Governor	57.77%	Wolf	D	0.524137914
18G_Governor	40.70%	Wagner	R	0.475862056
18G_US_Senator		Casey	D	0.485427976
18G_US_Senator		Barletta	R	0.514572024
18P_Lt_Governor	23.78%	Ahmad	D	0.362761796
18P_Lt_Governor	18.55%	Cozzone	D	0.17090857
18P_Lt_Governor	37.48%	Fetterman	D	0.345110506
18P_Lt_Governor	3.58%	Sosa	D	0.028802542
18P_Lt_Governor	16.62%	Stack	D	0.092416584
20G_AG		Shapiro	D	0.457312882
20G_AG		Heidelbaugh	R	0.542687118
20G_Auditor	46.35%	Ahmad	D	0.416500986
20G_Auditor	49.44%	Defoor	R	0.583499014
20G_President	50.01%	Biden	D	0.453881919
20G_President	48.84%	Trump	R	0.546118081
20G_Treasurer		Torsella	D	0.429232448
20G_Treasurer		Garrity	R	0.570767581
20P_Auditor	36.44%	Ahmad	D	0.174519032
20P_Auditor	7.47%	Conklin	D	0.076129399
20P_Auditor	5.99%	Davis	D	0.036240559
20P_Auditor	9.00%	Fountain	D	0.407296568
20P_Auditor	13.97%	Hartman	D	0.223286301
20P_Auditor	27.14%	Lamb	D	0.082528144
20P_President	79.26%	Biden	D	0.799789906
20P_President	2.70%	Gabbard	D	0.025432169
20P_President	18.04%	Sanders	D	0.17477794

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.44161123
12G_AG	41.56%	Freed	R	0.55838877
12G_Auditor		Depasquale	D	0.363441914
12G_Auditor		Maher	R	0.636558115
12G_President		Obama	D	0.395463228
12G_President		Romney	R	0.604536772
12G_Treasurer		McCord	D	0.392335773
12G_Treasurer		Vaughan	R	0.607664227
12G_US_Senate	53.69%	Casey	D	0.40859282
12G_US_Senate	44.59%	Smith	R	0.59140718
12P_AG	52.82%	Kane	D	0.562447429
12P_AG	47.18%	Murphy	D	0.437552601
12P_US_Senate	80.88%	Casey	D	0.856291056
12P_US_Senate	19.12%	Vodvarka	D	0.143708929
14G_Governor	54.93%	Wolf	D	0.406070739
14G_Governor	45.07%	Corbett	R	0.593929291
14P_Governor	16.84%	McCord	D	0.109975688
14P_Governor	7.66%	McGinty	D	0.080967486
14P_Governor	17.64%	Schwartz	D	0.10503111
14P_Governor	57.86%	Wolf	D	0.704025686
14P_Lt_Governor	15.88%	Critz	D	0.059439115
14P_Lt_Governor	11.91%	Koplinski	D	0.344792753
14P_Lt_Governor	10.84%	Neuman	D	0.052095287
14P_Lt_Governor	14.57%	Smith	D	0.121219076
14P_Lt_Governor	46.79%	Stack	D	0.422453761
16G_AG	51.39%	Shapiro	D	0.376552701
16G_AG	48.61%	Rafferty	R	0.623447299
16G_Auditor		Depasquale	D	0.39194411
16G_Auditor		Brown	R	0.60805589
16G_President	47.85%	Clinton	D	0.37918216
16G_President	48.58%	Trump	R	0.62081784
16G_Treasurer		Torsella	D	0.384197563
16G_Treasurer		Voit	R	0.615802467
16G_US_Senate	47.34%	McGinty	D	0.373121142
16G_US_Senate	48.77%	Toomey	R	0.626878858
16P_AG	16.22%	Morganelli	D	0.18814902
16P_AG	47.03%	Shapiro	D	0.585411191
16P_AG	36.74%	Zappala	D	0.226439819
16P_President	55.61%	Clinton	D	0.482358128
16P_President	0.86%	DeLaFuente	D	0.006440827
16P_President	43.53%	Sanders	D	0.511201084
16P_US_Senate	19.49%	Fetterman	D	0.152127251
16P_US_Senate	42.50%	McGinty	D	0.517438114
16P_US_Senate	32.57%	Sestak	D	0.320747793
16P_US_Senate	5.45%	Vodvarka	D	0.00968683

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.329485089
17G_Supreme_Court		Mundy	R	0.670514882
18G_Governor	57.77%	Wolf	D	0.470768958
18G_Governor	40.70%	Wagner	R	0.529231012
18G_US_Senator		Casey	D	0.442581624
18G_US_Senator		Barletta	R	0.557418346
18P_Lt_Governor	23.78%	Ahmad	D	0.375085443
18P_Lt_Governor	18.55%	Cozzone	D	0.239832535
18P_Lt_Governor	37.48%	Fetterman	D	0.270548522
18P_Lt_Governor	3.58%	Sosa	D	0.028537253
18P_Lt_Governor	16.62%	Stack	D	0.08599624
20G_AG		Shapiro	D	0.396366715
20G_AG		Heidelbaugh	R	0.603633285
20G_Auditor	46.35%	Ahmad	D	0.368606538
20G_Auditor	49.44%	Defoor	R	0.631393492
20G_President	50.01%	Biden	D	0.402648509
20G_President	48.84%	Trump	R	0.597351491
20G_Treasurer		Torsella	D	0.373034716
20G_Treasurer		Garrity	R	0.626965284
20P_Auditor	36.44%	Ahmad	D	0.138341114
20P_Auditor	7.47%	Conklin	D	0.034043912
20P_Auditor	5.99%	Davis	D	0.022950355
20P_Auditor	9.00%	Fountain	D	0.093824878
20P_Auditor	13.97%	Hartman	D	0.666660726
20P_Auditor	27.14%	Lamb	D	0.044178989
20P_President	79.26%	Biden	D	0.765470088
20P_President	2.70%	Gabbard	D	0.025534123
20P_President	18.04%	Sanders	D	0.208995759

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.426860154
12G_AG	41.56%	Freed	R	0.573139846
12G_Auditor		Depasquale	D	0.344339788
12G_Auditor		Maher	R	0.655660212
12G_President		Obama	D	0.367233425
12G_President		Romney	R	0.632766604
12G_Treasurer		McCord	D	0.384128332
12G_Treasurer		Vaughan	R	0.615871668
12G_US_Senate	53.69%	Casey	D	0.389316559
12G_US_Senate	44.59%	Smith	R	0.610683441
12P_AG	52.82%	Kane	D	0.619776845
12P_AG	47.18%	Murphy	D	0.380223125
12P_US_Senate	80.88%	Casey	D	0.84492135
12P_US_Senate	19.12%	Vodvarka	D	0.15507865
14G_Governor	54.93%	Wolf	D	0.402020246
14G_Governor	45.07%	Corbett	R	0.597979784
14P_Governor	16.84%	McCord	D	0.12389864
14P_Governor	7.66%	McGinty	D	0.113158405
14P_Governor	17.64%	Schwartz	D	0.086950928
14P_Governor	57.86%	Wolf	D	0.675992012
14P_Lt_Governor	15.88%	Critz	D	0.153766543
14P_Lt_Governor	11.91%	Koplinski	D	0.333261967
14P_Lt_Governor	10.84%	Neuman	D	0.07054919
14P_Lt_Governor	14.57%	Smith	D	0.155193955
14P_Lt_Governor	46.79%	Stack	D	0.287228346
16G_AG	51.39%	Shapiro	D	0.350760251
16G_AG	48.61%	Rafferty	R	0.649239719
16G_Auditor		Depasquale	D	0.370013118
16G_Auditor		Brown	R	0.629986882
16G_President	47.85%	Clinton	D	0.335789979
16G_President	48.58%	Trump	R	0.664210021
16G_Treasurer		Torsella	D	0.361537129
16G_Treasurer		Voit	R	0.638462901
16G_US_Senate	47.34%	McGinty	D	0.337353647
16G_US_Senate	48.77%	Toomey	R	0.662646353
16P_AG	16.22%	Morganelli	D	0.20430167
16P_AG	47.03%	Shapiro	D	0.545215368
16P_AG	36.74%	Zappala	D	0.250482976
16P_President	55.61%	Clinton	D	0.483717382
16P_President	0.86%	DeLaFuente	D	0.009704872
16P_President	43.53%	Sanders	D	0.50657773
16P_US_Senate	19.49%	Fetterman	D	0.161981076
16P_US_Senate	42.50%	McGinty	D	0.483215421
16P_US_Senate	32.57%	Sestak	D	0.324337214
16P_US_Senate	5.45%	Vodvarka	D	0.030466286

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.313345432
17G_Supreme_Court		Mundy	R	0.686654568
18G_Governor	57.77%	Wolf	D	0.432351768
18G_Governor	40.70%	Wagner	R	0.567648232
18G_US_Senator		Casey	D	0.405259252
18G_US_Senator		Barletta	R	0.594740748
18P_Lt_Governor	23.78%	Ahmad	D	0.326983899
18P_Lt_Governor	18.55%	Cozzone	D	0.20499754
18P_Lt_Governor	37.48%	Fetterman	D	0.341533691
18P_Lt_Governor	3.58%	Sosa	D	0.035390455
18P_Lt_Governor	16.62%	Stack	D	0.091094397
20G_AG		Shapiro	D	0.352193594
20G_AG		Heidelbaugh	R	0.647806406
20G_Auditor	46.35%	Ahmad	D	0.317674994
20G_Auditor	49.44%	Defoor	R	0.682325006
20G_President	50.01%	Biden	D	0.349938482
20G_President	48.84%	Trump	R	0.650061488
20G_Treasurer		Torsella	D	0.329979599
20G_Treasurer		Garrity	R	0.670020401
20P_Auditor	36.44%	Ahmad	D	0.163075581
20P_Auditor	7.47%	Conklin	D	0.294728458
20P_Auditor	5.99%	Davis	D	0.04405342
20P_Auditor	9.00%	Fountain	D	0.239258468
20P_Auditor	13.97%	Hartman	D	0.157004878
20P_Auditor	27.14%	Lamb	D	0.101879202
20P_President	79.26%	Biden	D	0.769817591
20P_President	2.70%	Gabbard	D	0.03272536
20P_President	18.04%	Sanders	D	0.19745703

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.498290837
12G_AG	41.56%	Freed	R	0.501709163
12G_Auditor		Depasquale	D	0.42051205
12G_Auditor		Maher	R	0.57948792
12G_President		Obama	D	0.378112793
12G_President		Romney	R	0.621887207
12G_Treasurer		McCord	D	0.441385478
12G_Treasurer		Vaughan	R	0.558614552
12G_US_Senate	53.69%	Casey	D	0.422055751
12G_US_Senate	44.59%	Smith	R	0.577944219
12P_AG	52.82%	Kane	D	0.5934093
12P_AG	47.18%	Murphy	D	0.4065907
12P_US_Senate	80.88%	Casey	D	0.756581604
12P_US_Senate	19.12%	Vodvarka	D	0.243418381
14G_Governor	54.93%	Wolf	D	0.463903993
14G_Governor	45.07%	Corbett	R	0.536095977
14P_Governor	16.84%	McCord	D	0.192113861
14P_Governor	7.66%	McGinty	D	0.106473595
14P_Governor	17.64%	Schwartz	D	0.065161839
14P_Governor	57.86%	Wolf	D	0.636250734
14P_Lt_Governor	15.88%	Critz	D	0.480463088
14P_Lt_Governor	11.91%	Koplinski	D	0.029982559
14P_Lt_Governor	10.84%	Neuman	D	0.255000174
14P_Lt_Governor	14.57%	Smith	D	0.068221457
14P_Lt_Governor	46.79%	Stack	D	0.166332707
16G_AG	51.39%	Shapiro	D	0.386577368
16G_AG	48.61%	Rafferty	R	0.613422632
16G_Auditor		Depasquale	D	0.424598306
16G_Auditor		Brown	R	0.575401723
16G_President	47.85%	Clinton	D	0.30365032
16G_President	48.58%	Trump	R	0.69634968
16G_Treasurer		Torsella	D	0.418293685
16G_Treasurer		Voit	R	0.581706285
16G_US_Senate	47.34%	McGinty	D	0.34847343
16G_US_Senate	48.77%	Toomey	R	0.65152657
16P_AG	16.22%	Morganelli	D	0.108196378
16P_AG	47.03%	Shapiro	D	0.255124182
16P_AG	36.74%	Zappala	D	0.636679411
16P_President	55.61%	Clinton	D	0.539505064
16P_President	0.86%	DeLaFuente	D	0.018816954
16P_President	43.53%	Sanders	D	0.441677958
16P_US_Senate	19.49%	Fetterman	D	0.277016163
16P_US_Senate	42.50%	McGinty	D	0.434557259
16P_US_Senate	32.57%	Sestak	D	0.245188981
16P_US_Senate	5.45%	Vodvarka	D	0.0432376

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.382045269
17G_Supreme_Court		Mundy	R	0.617954731
18G_Governor	57.77%	Wolf	D	0.427626669
18G_Governor	40.70%	Wagner	R	0.572373331
18G_US_Senator		Casey	D	0.419578284
18G_US_Senator		Barletta	R	0.580421686
18P_Lt_Governor	23.78%	Ahmad	D	0.099304378
18P_Lt_Governor	18.55%	Cozzone	D	0.155150801
18P_Lt_Governor	37.48%	Fetterman	D	0.672270954
18P_Lt_Governor	3.58%	Sosa	D	0.021581495
18P_Lt_Governor	16.62%	Stack	D	0.051692352
20G_AG		Shapiro	D	0.363279134
20G_AG		Heidelbaugh	R	0.636720896
20G_Auditor	46.35%	Ahmad	D	0.307848454
20G_Auditor	49.44%	Defoor	R	0.692151546
20G_President	50.01%	Biden	D	0.310282946
20G_President	48.84%	Trump	R	0.689717054
20G_Treasurer		Torsella	D	0.325475514
20G_Treasurer		Garrity	R	0.674524486
20P_Auditor	36.44%	Ahmad	D	0.095895857
20P_Auditor	7.47%	Conklin	D	0.138002023
20P_Auditor	5.99%	Davis	D	0.025695262
20P_Auditor	9.00%	Fountain	D	0.03412785
20P_Auditor	13.97%	Hartman	D	0.064905383
20P_Auditor	27.14%	Lamb	D	0.641373634
20P_President	79.26%	Biden	D	0.783536196
20P_President	2.70%	Gabbard	D	0.056024548
20P_President	18.04%	Sanders	D	0.160439268

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.586610556
12G_AG	41.56%	Freed	R	0.413389474
12G_Auditor		Depasquale	D	0.532702863
12G_Auditor		Maher	R	0.467297107
12G_President		Obama	D	0.512058139
12G_President		Romney	R	0.487941831
12G_Treasurer		McCord	D	0.556434453
12G_Treasurer		Vaughan	R	0.443565518
12G_US_Senate	53.69%	Casey	D	0.551077366
12G_US_Senate	44.59%	Smith	R	0.448922604
12P_AG	52.82%	Kane	D	0.533945978
12P_AG	47.18%	Murphy	D	0.466053993
12P_US_Senate	80.88%	Casey	D	0.695533454
12P_US_Senate	19.12%	Vodvarka	D	0.304466516
14G_Governor	54.93%	Wolf	D	0.539643288
14G_Governor	45.07%	Corbett	R	0.460356683
14P_Governor	16.84%	McCord	D	0.166639403
14P_Governor	7.66%	McGinty	D	0.106953532
14P_Governor	17.64%	Schwartz	D	0.10209424
14P_Governor	57.86%	Wolf	D	0.624312818
14P_Lt_Governor	15.88%	Critz	D	0.283059806
14P_Lt_Governor	11.91%	Koplinski	D	0.039734751
14P_Lt_Governor	10.84%	Neuman	D	0.323424429
14P_Lt_Governor	14.57%	Smith	D	0.070546247
14P_Lt_Governor	46.79%	Stack	D	0.283234775
16G_AG	51.39%	Shapiro	D	0.530746043
16G_AG	48.61%	Rafferty	R	0.469253987
16G_Auditor		Depasquale	D	0.596450031
16G_Auditor		Brown	R	0.403549939
16G_President	47.85%	Clinton	D	0.498981923
16G_President	48.58%	Trump	R	0.501018047
16G_Treasurer		Torsella	D	0.572532952
16G_Treasurer		Voit	R	0.427467048
16G_US_Senate	47.34%	McGinty	D	0.504823208
16G_US_Senate	48.77%	Toomey	R	0.495176792
16P_AG	16.22%	Morganelli	D	0.045548655
16P_AG	47.03%	Shapiro	D	0.179984555
16P_AG	36.74%	Zappala	D	0.774466813
16P_President	55.61%	Clinton	D	0.5558635
16P_President	0.86%	DeLaFuente	D	0.011487487
16P_President	43.53%	Sanders	D	0.432648987
16P_US_Senate	19.49%	Fetterman	D	0.386594534
16P_US_Senate	42.50%	McGinty	D	0.352245837
16P_US_Senate	32.57%	Sestak	D	0.193862095
16P_US_Senate	5.45%	Vodvarka	D	0.067297541

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.55650413
17G_Supreme_Court		Mundy	R	0.44349584
18G_Governor	57.77%	Wolf	D	0.615438402
18G_Governor	40.70%	Wagner	R	0.384561568
18G_US_Senator		Casey	D	0.59800595
18G_US_Senator		Barletta	R	0.40199402
18P_Lt_Governor	23.78%	Ahmad	D	0.104433142
18P_Lt_Governor	18.55%	Cozzone	D	0.080221228
18P_Lt_Governor	37.48%	Fetterman	D	0.772486746
18P_Lt_Governor	3.58%	Sosa	D	0.011232684
18P_Lt_Governor	16.62%	Stack	D	0.031626172
20G_AG		Shapiro	D	0.570120811
20G_AG		Heidelbaugh	R	0.429879189
20G_Auditor	46.35%	Ahmad	D	0.509930849
20G_Auditor	49.44%	Defoor	R	0.490069121
20G_President	50.01%	Biden	D	0.519562781
20G_President	48.84%	Trump	R	0.480437249
20G_Treasurer		Torsella	D	0.522592604
20G_Treasurer		Garrity	R	0.477407396
20P_Auditor	36.44%	Ahmad	D	0.099025734
20P_Auditor	7.47%	Conklin	D	0.015388459
20P_Auditor	5.99%	Davis	D	0.015679907
20P_Auditor	9.00%	Fountain	D	0.03236739
20P_Auditor	13.97%	Hartman	D	0.028461987
20P_Auditor	27.14%	Lamb	D	0.809076548
20P_President	79.26%	Biden	D	0.781177998
20P_President	2.70%	Gabbard	D	0.040358178
20P_President	18.04%	Sanders	D	0.178463817

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.485566765
12G_AG	41.56%	Freed	R	0.514433265
12G_Auditor		Depasquale	D	0.391121954
12G_Auditor		Maher	R	0.608878076
12G_President		Obama	D	0.369163483
12G_President		Romney	R	0.630836487
12G_Treasurer		McCord	D	0.430291146
12G_Treasurer		Vaughan	R	0.569708884
12G_US_Senate	53.69%	Casey	D	0.393253833
12G_US_Senate	44.59%	Smith	R	0.606746197
12P_AG	52.82%	Kane	D	0.618948817
12P_AG	47.18%	Murphy	D	0.381051183
12P_US_Senate	80.88%	Casey	D	0.787238419
12P_US_Senate	19.12%	Vodvarka	D	0.212761596
14G_Governor	54.93%	Wolf	D	0.452864677
14G_Governor	45.07%	Corbett	R	0.547135353
14P_Governor	16.84%	McCord	D	0.227218211
14P_Governor	7.66%	McGinty	D	0.105918743
14P_Governor	17.64%	Schwartz	D	0.06724599
14P_Governor	57.86%	Wolf	D	0.599617064
14P_Lt_Governor	15.88%	Critz	D	0.582097709
14P_Lt_Governor	11.91%	Koplinski	D	0.064770132
14P_Lt_Governor	10.84%	Neuman	D	0.066086158
14P_Lt_Governor	14.57%	Smith	D	0.158185646
14P_Lt_Governor	46.79%	Stack	D	0.128860325
16G_AG	51.39%	Shapiro	D	0.362484425
16G_AG	48.61%	Rafferty	R	0.637515604
16G_Auditor		Depasquale	D	0.387194306
16G_Auditor		Brown	R	0.612805665
16G_President	47.85%	Clinton	D	0.28405413
16G_President	48.58%	Trump	R	0.715945899
16G_Treasurer		Torsella	D	0.396316707
16G_Treasurer		Voit	R	0.603683293
16G_US_Senate	47.34%	McGinty	D	0.326070458
16G_US_Senate	48.77%	Toomey	R	0.673929572
16P_AG	16.22%	Morganelli	D	0.179776818
16P_AG	47.03%	Shapiro	D	0.352712959
16P_AG	36.74%	Zappala	D	0.467510223
16P_President	55.61%	Clinton	D	0.47808364
16P_President	0.86%	DeLaFuente	D	0.021549499
16P_President	43.53%	Sanders	D	0.500366867
16P_US_Senate	19.49%	Fetterman	D	0.227469906
16P_US_Senate	42.50%	McGinty	D	0.437759578
16P_US_Senate	32.57%	Sestak	D	0.270611644
16P_US_Senate	5.45%	Vodvarka	D	0.064158857

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.337063968
17G_Supreme_Court		Mundy	R	0.662936032
18G_Governor	57.77%	Wolf	D	0.396981835
18G_Governor	40.70%	Wagner	R	0.603018165
18G_US_Senator		Casey	D	0.394808888
18G_US_Senator		Barletta	R	0.605191112
18P_Lt_Governor	23.78%	Ahmad	D	0.096927077
18P_Lt_Governor	18.55%	Cozzone	D	0.220122665
18P_Lt_Governor	37.48%	Fetterman	D	0.589523554
18P_Lt_Governor	3.58%	Sosa	D	0.033857878
18P_Lt_Governor	16.62%	Stack	D	0.0595688
20G_AG		Shapiro	D	0.331478417
20G_AG		Heidelbaugh	R	0.668521583
20G_Auditor	46.35%	Ahmad	D	0.276445985
20G_Auditor	49.44%	Defoor	R	0.723554015
20G_President	50.01%	Biden	D	0.288019866
20G_President	48.84%	Trump	R	0.711980104
20G_Treasurer		Torsella	D	0.300104111
20G_Treasurer		Garrity	R	0.699895918
20P_Auditor	36.44%	Ahmad	D	0.080970868
20P_Auditor	7.47%	Conklin	D	0.380811006
20P_Auditor	5.99%	Davis	D	0.036309659
20P_Auditor	9.00%	Fountain	D	0.045803022
20P_Auditor	13.97%	Hartman	D	0.069895282
20P_Auditor	27.14%	Lamb	D	0.386210173
20P_President	79.26%	Biden	D	0.759459734
20P_President	2.70%	Gabbard	D	0.061466817
20P_President	18.04%	Sanders	D	0.179073438

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.521088123
12G_AG	41.56%	Freed	R	0.478911877
12G_Auditor		Depasquale	D	0.464234561
12G_Auditor		Maher	R	0.535765469
12G_President		Obama	D	0.475454211
12G_President		Romney	R	0.524545789
12G_Treasurer		McCord	D	0.502207637
12G_Treasurer		Vaughan	R	0.497792363
12G_US_Senate	53.69%	Casey	D	0.487255692
12G_US_Senate	44.59%	Smith	R	0.512744308
12P_AG	52.82%	Kane	D	0.676650763
12P_AG	47.18%	Murphy	D	0.323349267
12P_US_Senate	80.88%	Casey	D	0.771637022
12P_US_Senate	19.12%	Vodvarka	D	0.228362992
14G_Governor	54.93%	Wolf	D	0.497311711
14G_Governor	45.07%	Corbett	R	0.502688289
14P_Governor	16.84%	McCord	D	0.253568888
14P_Governor	7.66%	McGinty	D	0.089043908
14P_Governor	17.64%	Schwartz	D	0.072176747
14P_Governor	57.86%	Wolf	D	0.585210443
14P_Lt_Governor	15.88%	Critz	D	0.202706546
14P_Lt_Governor	11.91%	Koplinski	D	0.092102773
14P_Lt_Governor	10.84%	Neuman	D	0.218581438
14P_Lt_Governor	14.57%	Smith	D	0.271836847
14P_Lt_Governor	46.79%	Stack	D	0.214772403
16G_AG	51.39%	Shapiro	D	0.434971809
16G_AG	48.61%	Rafferty	R	0.565028191
16G_Auditor		Depasquale	D	0.456268281
16G_Auditor		Brown	R	0.543731749
16G_President	47.85%	Clinton	D	0.398910791
16G_President	48.58%	Trump	R	0.601089239
16G_Treasurer		Torsella	D	0.472545862
16G_Treasurer		Voit	R	0.527454138
16G_US_Senate	47.34%	McGinty	D	0.407929391
16G_US_Senate	48.77%	Toomey	R	0.592070639
16P_AG	16.22%	Morganelli	D	0.16147761
16P_AG	47.03%	Shapiro	D	0.352930754
16P_AG	36.74%	Zappala	D	0.48559165
16P_President	55.61%	Clinton	D	0.539712191
16P_President	0.86%	DeLaFuente	D	0.011927403
16P_President	43.53%	Sanders	D	0.448360384
16P_US_Senate	19.49%	Fetterman	D	0.243614286
16P_US_Senate	42.50%	McGinty	D	0.3839131
16P_US_Senate	32.57%	Sestak	D	0.300465554
16P_US_Senate	5.45%	Vodvarka	D	0.072007068

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.411051869
17G_Supreme_Court		Mundy	R	0.588948131
18G_Governor	57.77%	Wolf	D	0.510911942
18G_Governor	40.70%	Wagner	R	0.489088058
18G_US_Senator		Casey	D	0.496007621
18G_US_Senator		Barletta	R	0.503992379
18P_Lt_Governor	23.78%	Ahmad	D	0.101939075
18P_Lt_Governor	18.55%	Cozzone	D	0.189305142
18P_Lt_Governor	37.48%	Fetterman	D	0.634740293
18P_Lt_Governor	3.58%	Sosa	D	0.024520027
18P_Lt_Governor	16.62%	Stack	D	0.049495459
20G_AG		Shapiro	D	0.44795993
20G_AG		Heidelbaugh	R	0.5520401
20G_Auditor	46.35%	Ahmad	D	0.393650085
20G_Auditor	49.44%	Defoor	R	0.606349945
20G_President	50.01%	Biden	D	0.409583986
20G_President	48.84%	Trump	R	0.590416014
20G_Treasurer		Torsella	D	0.410690099
20G_Treasurer		Garrity	R	0.589309871
20P_Auditor	36.44%	Ahmad	D	0.125081033
20P_Auditor	7.47%	Conklin	D	0.072966143
20P_Auditor	5.99%	Davis	D	0.048489738
20P_Auditor	9.00%	Fountain	D	0.061984837
20P_Auditor	13.97%	Hartman	D	0.097072095
20P_Auditor	27.14%	Lamb	D	0.594406128
20P_President	79.26%	Biden	D	0.793443263
20P_President	2.70%	Gabbard	D	0.037323397
20P_President	18.04%	Sanders	D	0.169233307

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.628808439
12G_AG	41.56%	Freed	R	0.371191561
12G_Auditor		Depasquale	D	0.585895479
12G_Auditor		Maher	R	0.414104491
12G_President		Obama	D	0.576794207
12G_President		Romney	R	0.423205793
12G_Treasurer		McCord	D	0.609451473
12G_Treasurer		Vaughan	R	0.390548557
12G_US_Senate	53.69%	Casey	D	0.604187787
12G_US_Senate	44.59%	Smith	R	0.395812243
12P_AG	52.82%	Kane	D	0.52213043
12P_AG	47.18%	Murphy	D	0.47786957
12P_US_Senate	80.88%	Casey	D	0.737749755
12P_US_Senate	19.12%	Vodvarka	D	0.262250245
14G_Governor	54.93%	Wolf	D	0.576978087
14G_Governor	45.07%	Corbett	R	0.423021942
14P_Governor	16.84%	McCord	D	0.143894196
14P_Governor	7.66%	McGinty	D	0.105182812
14P_Governor	17.64%	Schwartz	D	0.158210397
14P_Governor	57.86%	Wolf	D	0.592712581
14P_Lt_Governor	15.88%	Critz	D	0.31872192
14P_Lt_Governor	11.91%	Koplinski	D	0.07595969
14P_Lt_Governor	10.84%	Neuman	D	0.172700301
14P_Lt_Governor	14.57%	Smith	D	0.074016899
14P_Lt_Governor	46.79%	Stack	D	0.358601183
16G_AG	51.39%	Shapiro	D	0.599984884
16G_AG	48.61%	Rafferty	R	0.400015116
16G_Auditor		Depasquale	D	0.652223945
16G_Auditor		Brown	R	0.347776085
16G_President	47.85%	Clinton	D	0.596023083
16G_President	48.58%	Trump	R	0.403976887
16G_Treasurer		Torsella	D	0.631268084
16G_Treasurer		Voit	R	0.368731946
16G_US_Senate	47.34%	McGinty	D	0.583401918
16G_US_Senate	48.77%	Toomey	R	0.416598082
16P_AG	16.22%	Morganelli	D	0.043130763
16P_AG	47.03%	Shapiro	D	0.258792073
16P_AG	36.74%	Zappala	D	0.698077142
16P_President	55.61%	Clinton	D	0.550392866
16P_President	0.86%	DeLaFuente	D	0.007156045
16P_President	43.53%	Sanders	D	0.44245109
16P_US_Senate	19.49%	Fetterman	D	0.429971695
16P_US_Senate	42.50%	McGinty	D	0.334467232
16P_US_Senate	32.57%	Sestak	D	0.187709853
16P_US_Senate	5.45%	Vodvarka	D	0.047851205

**Reconstituted Election Results for the Proposed Congressional Plan of Concerned Citizens for Democracy
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.633760035
17G_Supreme_Court		Mundy	R	0.366239965
18G_Governor	57.77%	Wolf	D	0.685894191
18G_Governor	40.70%	Wagner	R	0.314105809
18G_US_Senator		Casey	D	0.670519888
18G_US_Senator		Barletta	R	0.329480112
18P_Lt_Governor	23.78%	Ahmad	D	0.148961514
18P_Lt_Governor	18.55%	Cozzone	D	0.062242698
18P_Lt_Governor	37.48%	Fetterman	D	0.75727731
18P_Lt_Governor	3.58%	Sosa	D	0.009173583
18P_Lt_Governor	16.62%	Stack	D	0.022344889
20G_AG		Shapiro	D	0.643743634
20G_AG		Heidelbaugh	R	0.356256336
20G_Auditor	46.35%	Ahmad	D	0.593270421
20G_Auditor	49.44%	Defoor	R	0.406729579
20G_President	50.01%	Biden	D	0.609643936
20G_President	48.84%	Trump	R	0.390356064
20G_Treasurer		Torsella	D	0.600084186
20G_Treasurer		Garrity	R	0.399915844
20P_Auditor	36.44%	Ahmad	D	0.143808767
20P_Auditor	7.47%	Conklin	D	0.011059467
20P_Auditor	5.99%	Davis	D	0.017927904
20P_Auditor	9.00%	Fountain	D	0.056796681
20P_Auditor	13.97%	Hartman	D	0.02730239
20P_Auditor	27.14%	Lamb	D	0.743104815
20P_President	79.26%	Biden	D	0.754757166
20P_President	2.70%	Gabbard	D	0.027809428
20P_President	18.04%	Sanders	D	0.217433408

Draw the Lines

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.541062295
12G_AG	41.56%	Freed	R	0.458937734
12G_Auditor		Depasquale	D	0.490887493
12G_Auditor		Maher	R	0.509112477
12G_President		Obama	D	0.513706744
12G_President		Romney	R	0.486293256
12G_Treasurer		McCord	D	0.516410053
12G_Treasurer		Vaughan	R	0.483589917
12G_US_Senate	53.69%	Casey	D	0.53513211
12G_US_Senate	44.59%	Smith	R	0.46486789
12P_AG	52.82%	Kane	D	0.291272521
12P_AG	47.18%	Murphy	D	0.708727479
12P_US_Senate	80.88%	Casey	D	0.837120295
12P_US_Senate	19.12%	Vodvarka	D	0.162879735
14G_Governor	54.93%	Wolf	D	0.537589014
14G_Governor	45.07%	Corbett	R	0.462410986
14P_Governor	16.84%	McCord	D	0.146704316
14P_Governor	7.66%	McGinty	D	0.057574276
14P_Governor	17.64%	Schwartz	D	0.281600237
14P_Governor	57.86%	Wolf	D	0.514121175
14P_Lt_Governor	15.88%	Critz	D	0.031369586
14P_Lt_Governor	11.91%	Koplinski	D	0.089258291
14P_Lt_Governor	10.84%	Neuman	D	0.055475663
14P_Lt_Governor	14.57%	Smith	D	0.111341313
14P_Lt_Governor	46.79%	Stack	D	0.71255517
15G_Mayor		Kenney	D	0.662177384
15G_Mayor		Bailey	R	0.328412026
15G_Mayor		Foster	U	0.005691424
15G_Mayor		Hart	U	0.002479432
15G_Mayor		Kindij	U	0.001239716
15G_Sheriff		Williams	D	0.46481204
15G_Sheriff		Sawyer	R	0.53518796
15P_Mayor		Abraham	D	0.163240135
15P_Mayor		Diaz	D	0.014555921
15P_Mayor		Kenney	D	0.74309212
15P_Mayor		Oliver	D	0.012664474
15P_Mayor		Street	D	0.004276316
15P_Mayor		Williams	D	0.062171053
16G_AG	51.39%	Shapiro	D	0.514493465
16G_AG	48.61%	Rafferty	R	0.485506564
16G_Auditor		Depasquale	D	0.484604776
16G_Auditor		Brown	R	0.515395224
16G_Congress_Dist1		Brady	D	0.639145136
16G_Congress_Dist1		Williams	R	0.360854864
16G_President	47.85%	Clinton	D	0.503251374

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.496748626
16G_Treasurer		Torsella	D	0.513354778
16G_Treasurer		Voit	R	0.486645222
16G_US_Senate	47.34%	McGinty	D	0.475501686
16G_US_Senate	48.77%	Toomey	R	0.524498343
16P_AG	16.22%	Morganelli	D	0.168652609
16P_AG	47.03%	Shapiro	D	0.595529675
16P_AG	36.74%	Zappala	D	0.235817701
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.556859374
16P_President	0.86%	DeLaFuente	D	0.01071307
16P_President	43.53%	Sanders	D	0.432427555
16P_US_Senate	19.49%	Fetterman	D	0.117854252
16P_US_Senate	42.50%	McGinty	D	0.421100974
16P_US_Senate	32.57%	Sestak	D	0.416573942
16P_US_Senate	5.45%	Vodvarka	D	0.044470854
17G_Supreme_Court		Woodruff	D	0.478159159
17G_Supreme_Court		Mundy	R	0.521840811
17P_DA		Deni	D	0.02734934
17P_DA		Khan	D	0.189378276
17P_DA		Krasner	D	0.123549052
17P_DA		Negrin	D	0.275401503
17P_DA		ONeill	D	0.213070437
17P_DA		Shabazz	D	0.021784067
17P_DA		Untermeyer	D	0.149467319
18G_Congress_Dist2		Boyle	D	0.598746061
18G_Congress_Dist2		Torres	R	0.401253909
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.594364524
18G_Governor	40.70%	Wagner	R	0.405635476
18G_US_Senator		Casey	D	0.573097467
18G_US_Senator		Barletta	R	0.426902533
18P_Congress_Dist2		Boyle	D	0.794540942
18P_Congress_Dist2		Lawrence	D	0.205459058
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.264805883
18P_Lt_Governor	18.55%	Cozzone	D	0.204747647
18P_Lt_Governor	37.48%	Fetterman	D	0.193082109
18P_Lt_Governor	3.58%	Sosa	D	0.068934627
18P_Lt_Governor	16.62%	Stack	D	0.268429726
19P_Mayor		Butkovitz	D	0.305139869
19P_Mayor		Kenney	D	0.514899135
19P_Mayor		Williams	D	0.179960966
19P_Municipal_Judge		Brunson	D	0.370229661
19P_Municipal_Judge		Conroy	D	0.629770339
19P_Register_Wills		Donatucci	D	0.549613595
19P_Register_Wills		Gordon	D	0.327047914
19P_Register_Wills		Whaumbush	D	0.123338483
20G_AG		Shapiro	D	0.524706006
20G_AG		Heidelbaugh	R	0.475294024
20G_Auditor	46.35%	Ahmad	D	0.483749717
20G_Auditor	49.44%	Defoor	R	0.516250312
20G_Congress_Dist2		Boyle	D	0.530141711
20G_Congress_Dist2		Torres	R	0.469858289
20G_President	50.01%	Biden	D	0.516475439
20G_President	48.84%	Trump	R	0.483524531
20G_Treasurer		Torsella	D	0.50476408
20G_Treasurer		Garrity	R	0.49523589
20P_Auditor	36.44%	Ahmad	D	0.608841956
20P_Auditor	7.47%	Conklin	D	0.042639572
20P_Auditor	5.99%	Davis	D	0.043805934
20P_Auditor	9.00%	Fountain	D	0.082060426
20P_Auditor	13.97%	Hartman	D	0.143171161
20P_Auditor	27.14%	Lamb	D	0.079480968
20P_President	79.26%	Biden	D	0.818237841
20P_President	2.70%	Gabbard	D	0.023387611
20P_President	18.04%	Sanders	D	0.158374578
21G_Superior_Judge		Lane	D	0.367608815
21G_Superior_Judge		Sullivan	R	0.632391155
21P_DA		Krasner	D	0.206487283
21P_DA		Vega	D	0.793512702
21P_Superior_Judge		Beck	D	0.25
21P_Superior_Judge		Lane	D	0.673514962
21P_Superior_Judge		Neft	D	0.076485038

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.833611071
12G_AG	41.56%	Freed	R	0.166388899
12G_Auditor		Depasquale	D	0.80723387
12G_Auditor		Maher	R	0.192766145
12G_President		Obama	D	0.822498977
12G_President		Romney	R	0.177501038
12G_Treasurer		McCord	D	0.830025554
12G_Treasurer		Vaughan	R	0.169974461
12G_US_Senate	53.69%	Casey	D	0.834814012
12G_US_Senate	44.59%	Smith	R	0.165186003
12P_AG	52.82%	Kane	D	0.355800003
12P_AG	47.18%	Murphy	D	0.644200027
12P_US_Senate	80.88%	Casey	D	0.794694245
12P_US_Senate	19.12%	Vodvarka	D	0.205305725
14G_Governor	54.93%	Wolf	D	0.836769998
14G_Governor	45.07%	Corbett	R	0.163229987
14P_Governor	16.84%	McCord	D	0.14331454
14P_Governor	7.66%	McGinty	D	0.048679475
14P_Governor	17.64%	Schwartz	D	0.34249258
14P_Governor	57.86%	Wolf	D	0.465513408
14P_Lt_Governor	15.88%	Critz	D	0.041378293
14P_Lt_Governor	11.91%	Koplinski	D	0.040935349
14P_Lt_Governor	10.84%	Neuman	D	0.036708932
14P_Lt_Governor	14.57%	Smith	D	0.060277209
14P_Lt_Governor	46.79%	Stack	D	0.820700228
15G_Mayor		Kenney	D	0.810131371
15G_Mayor		Bailey	R	0.176601931
15G_Mayor		Foster	U	0.006922786
15G_Mayor		Hart	U	0.004890842
15G_Mayor		Kindij	U	0.001453076
15G_Sheriff		Williams	D	0.723466456
15G_Sheriff		Sawyer	R	0.276533514
15P_Mayor		Abraham	D	0.109906517
15P_Mayor		Diaz	D	0.070449233
15P_Mayor		Kenney	D	0.587055326
15P_Mayor		Oliver	D	0.037068292
15P_Mayor		Street	D	0.014905219
15P_Mayor		Williams	D	0.180615425
16G_AG	51.39%	Shapiro	D	0.818077624
16G_AG	48.61%	Rafferty	R	0.181922361
16G_Auditor		Depasquale	D	0.807424784
16G_Auditor		Brown	R	0.192575231
16G_Congress_Dist1		Brady	D	0.823558867
16G_Congress_Dist1		Williams	R	0.176441118
16G_President	47.85%	Clinton	D	0.809370756

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.190629259
16G_Treasurer		Torsella	D	0.827995181
16G_Treasurer		Voit	R	0.172004804
16G_US_Senate	47.34%	McGinty	D	0.793335259
16G_US_Senate	48.77%	Toomey	R	0.206664711
16P_AG	16.22%	Morganelli	D	0.110396683
16P_AG	47.03%	Shapiro	D	0.55869621
16P_AG	36.74%	Zappala	D	0.330907136
16P_Congress_Dist2		Evans	D	0.406815708
16P_Congress_Dist2		Fattah	D	0.439679265
16P_Congress_Dist2		Gordon	D	0.133337379
16P_Congress_Dist2		Muroff	D	0.020167658
16P_President	55.61%	Clinton	D	0.602247298
16P_President	0.86%	DeLaFuente	D	0.005382202
16P_President	43.53%	Sanders	D	0.392370492
16P_US_Senate	19.49%	Fetterman	D	0.196351975
16P_US_Senate	42.50%	McGinty	D	0.402763486
16P_US_Senate	32.57%	Sestak	D	0.284397483
16P_US_Senate	5.45%	Vodvarka	D	0.116487041
17G_Supreme_Court		Woodruff	D	0.742173493
17G_Supreme_Court		Mundy	R	0.257826507
17P_DA		Deni	D	0.020889349
17P_DA		Khan	D	0.211251289
17P_DA		Krasner	D	0.356546015
17P_DA		Negrin	D	0.162316442
17P_DA		ONeill	D	0.081758015
17P_DA		Shabazz	D	0.073588416
17P_DA		Untermeyer	D	0.093650468
18G_Congress_Dist2		Boyle	D	0.831753373
18G_Congress_Dist2		Torres	R	0.168246597
18G_Congress_Dist3		Evans	D	0.885563374
18G_Congress_Dist3		Leib	R	0.114436619
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.855907261
18G_Governor	40.70%	Wagner	R	0.144092754
18G_US_Senator		Casey	D	0.850609422
18G_US_Senator		Barletta	R	0.149390593
18P_Congress_Dist2		Boyle	D	0.616225064
18P_Congress_Dist2		Lawrence	D	0.383774936
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.256702155
18P_Lt_Governor	18.55%	Cozzone	D	0.156029925
18P_Lt_Governor	37.48%	Fetterman	D	0.198343471
18P_Lt_Governor	3.58%	Sosa	D	0.030949904
18P_Lt_Governor	16.62%	Stack	D	0.357974559
19P_Mayor		Butkovitz	D	0.124507397
19P_Mayor		Kenney	D	0.667579353
19P_Mayor		Williams	D	0.207913265
19P_Municipal_Judge		Brunson	D	0.422017008
19P_Municipal_Judge		Conroy	D	0.577983022
19P_Register_Wills		Donatucci	D	0.404373735
19P_Register_Wills		Gordon	D	0.44137013
19P_Register_Wills		Whaumbush	D	0.15425615
20G_AG		Shapiro	D	0.796044767
20G_AG		Heidelbaugh	R	0.203955233
20G_Auditor	46.35%	Ahmad	D	0.781733692
20G_Auditor	49.44%	Defoor	R	0.218266323
20G_Congress_Dist2		Boyle	D	0.770141184
20G_Congress_Dist2		Torres	R	0.229858845
20G_President	50.01%	Biden	D	0.780626953
20G_President	48.84%	Trump	R	0.219373032
20G_Treasurer		Torsella	D	0.785795271
20G_Treasurer		Garrity	R	0.214204714
20P_Auditor	36.44%	Ahmad	D	0.701104581
20P_Auditor	7.47%	Conklin	D	0.033504114
20P_Auditor	5.99%	Davis	D	0.05282256
20P_Auditor	9.00%	Fountain	D	0.059045829
20P_Auditor	13.97%	Hartman	D	0.061330199
20P_Auditor	27.14%	Lamb	D	0.092192717
20P_President	79.26%	Biden	D	0.773793697
20P_President	2.70%	Gabbard	D	0.01717837
20P_President	18.04%	Sanders	D	0.209027916
21G_Superior_Judge		Lane	D	0.733275652
21G_Superior_Judge		Sullivan	R	0.266724318
21P_DA		Krasner	D	0.58335954
21P_DA		Vega	D	0.41664046
21P_Superior_Judge		Beck	D	0.154023886
21P_Superior_Judge		Lane	D	0.804404914
21P_Superior_Judge		Neft	D	0.04157117

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.921166062
12G_AG	41.56%	Freed	R	0.078833923
12G_Auditor		Depasquale	D	0.909330666
12G_Auditor		Maher	R	0.090669312
12G_President		Obama	D	0.917364001
12G_President		Romney	R	0.082636006
12G_Treasurer		McCord	D	0.917759836
12G_Treasurer		Vaughan	R	0.082240149
12G_US_Senate	53.69%	Casey	D	0.922261178
12G_US_Senate	44.59%	Smith	R	0.077738807
12P_AG	52.82%	Kane	D	0.372118473
12P_AG	47.18%	Murphy	D	0.627881527
12P_US_Senate	80.88%	Casey	D	0.812726855
12P_US_Senate	19.12%	Vodvarka	D	0.18727313
14G_Governor	54.93%	Wolf	D	0.93245554
14G_Governor	45.07%	Corbett	R	0.067544468
14P_Governor	16.84%	McCord	D	0.159615368
14P_Governor	7.66%	McGinty	D	0.033566114
14P_Governor	17.64%	Schwartz	D	0.322399586
14P_Governor	57.86%	Wolf	D	0.484418929
14P_Lt_Governor	15.88%	Critz	D	0.034309197
14P_Lt_Governor	11.91%	Koplinski	D	0.033681519
14P_Lt_Governor	10.84%	Neuman	D	0.041711077
14P_Lt_Governor	14.57%	Smith	D	0.062306073
14P_Lt_Governor	46.79%	Stack	D	0.827992141
15G_Mayor		Kenney	D	0.906254828
15G_Mayor		Bailey	R	0.079204209
15G_Mayor		Foster	U	0.007527521
15G_Mayor		Hart	U	0.005713572
15G_Mayor		Kindij	U	0.001299874
15G_Sheriff		Williams	D	0.869314849
15G_Sheriff		Sawyer	R	0.130685136
15P_Mayor		Abraham	D	0.06431894
15P_Mayor		Diaz	D	0.021281142
15P_Mayor		Kenney	D	0.527376711
15P_Mayor		Oliver	D	0.047724061
15P_Mayor		Street	D	0.018855311
15P_Mayor		Williams	D	0.320443809
16G_AG	51.39%	Shapiro	D	0.905289173
16G_AG	48.61%	Rafferty	R	0.094710805
16G_Auditor		Depasquale	D	0.902620018
16G_Auditor		Brown	R	0.097379975
16G_Congress_Dist1		Brady	D	0.860550404
16G_Congress_Dist1		Williams	R	0.139449582
16G_President	47.85%	Clinton	D	0.913116753

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.086883269
16G_Treasurer		Torsella	D	0.910945296
16G_Treasurer		Voit	R	0.089054719
16G_US_Senate	47.34%	McGinty	D	0.894169271
16G_US_Senate	48.77%	Toomey	R	0.105830759
16P_AG	16.22%	Morganelli	D	0.092083126
16P_AG	47.03%	Shapiro	D	0.590088606
16P_AG	36.74%	Zappala	D	0.317828298
16P_Congress_Dist2		Evans	D	0.439150572
16P_Congress_Dist2		Fattah	D	0.358617663
16P_Congress_Dist2		Gordon	D	0.110465631
16P_Congress_Dist2		Muroff	D	0.091766141
16P_President	55.61%	Clinton	D	0.647286832
16P_President	0.86%	DeLaFuente	D	0.002603404
16P_President	43.53%	Sanders	D	0.350109756
16P_US_Senate	19.49%	Fetterman	D	0.168109432
16P_US_Senate	42.50%	McGinty	D	0.460679621
16P_US_Senate	32.57%	Sestak	D	0.265766144
16P_US_Senate	5.45%	Vodvarka	D	0.105444804
17G_Supreme_Court		Woodruff	D	0.895448327
17G_Supreme_Court		Mundy	R	0.104551651
17P_DA		Deni	D	0.011451406
17P_DA		Khan	D	0.199574545
17P_DA		Krasner	D	0.411087573
17P_DA		Negrin	D	0.123977378
17P_DA		ONeill	D	0.039274745
17P_DA		Shabazz	D	0.142645553
17P_DA		Untermeyer	D	0.071988784
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.941076696
18G_Congress_Dist3		Leib	R	0.0589233
18G_Congress_Dist5		Scanlon	D	0.803309083
18G_Congress_Dist5		Kim	R	0.196690932
18G_Governor	57.77%	Wolf	D	0.934252739
18G_Governor	40.70%	Wagner	R	0.065747254
18G_US_Senator		Casey	D	0.9315027
18G_US_Senator		Barletta	R	0.068497322
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.010880567
18P_Congress_Dist5		Davidson	D	0.021339405
18P_Congress_Dist5		Kirkland	D	0.025809716
18P_Congress_Dist5		Lazer	D	0.411184222
18P_Congress_Dist5		Li	D	0.124409579
18P_Congress_Dist5		Lunkenheimer	D	0.067223348
18P_Congress_Dist5		Scanlon	D	0.08316464

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.133350208
18P_Congress_Dist5		Vitali	D	0.040991902
18P_Congress_Dist5		Wright	D	0.08164642
18P_Lt_Governor	23.78%	Ahmad	D	0.304086566
18P_Lt_Governor	18.55%	Cozzone	D	0.158224285
18P_Lt_Governor	37.48%	Fetterman	D	0.166909844
18P_Lt_Governor	3.58%	Sosa	D	0.008363875
18P_Lt_Governor	16.62%	Stack	D	0.362415403
19P_Mayor		Butkovitz	D	0.056482054
19P_Mayor		Kenney	D	0.679339409
19P_Mayor		Williams	D	0.264178514
19P_Municipal_Judge		Brunson	D	0.460762113
19P_Municipal_Judge		Conroy	D	0.539237857
19P_Register_Wills		Donatucci	D	0.387379557
19P_Register_Wills		Gordon	D	0.449036449
19P_Register_Wills		Whaumbush	D	0.163583979
20G_AG		Shapiro	D	0.899223447
20G_AG		Heidelbaugh	R	0.100776538
20G_Auditor	46.35%	Ahmad	D	0.892347455
20G_Auditor	49.44%	Defoor	R	0.107652567
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.898387253
20G_President	48.84%	Trump	R	0.101612747
20G_Treasurer		Torsella	D	0.891798735
20G_Treasurer		Garrity	R	0.10820128
20P_Auditor	36.44%	Ahmad	D	0.730182707
20P_Auditor	7.47%	Conklin	D	0.02486096
20P_Auditor	5.99%	Davis	D	0.048957415
20P_Auditor	9.00%	Fountain	D	0.066336744
20P_Auditor	13.97%	Hartman	D	0.03414005
20P_Auditor	27.14%	Lamb	D	0.095522106
20P_President	79.26%	Biden	D	0.80875361
20P_President	2.70%	Gabbard	D	0.010589667
20P_President	18.04%	Sanders	D	0.180656716
21G_Superior_Judge		Lane	D	0.899160564
21G_Superior_Judge		Sullivan	R	0.100839458
21P_DA		Krasner	D	0.763367355
21P_DA		Vega	D	0.236632675
21P_Superior_Judge		Beck	D	0.103624485
21P_Superior_Judge		Lane	D	0.872296154
21P_Superior_Judge		Neft	D	0.024079362

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.571228445
12G_AG	41.56%	Freed	R	0.428771555
12G_Auditor		Depasquale	D	0.524529755
12G_Auditor		Maher	R	0.475470215
12G_President		Obama	D	0.559465349
12G_President		Romney	R	0.440534651
12G_Treasurer		McCord	D	0.554737151
12G_Treasurer		Vaughan	R	0.445262849
12G_US_Senate	53.69%	Casey	D	0.57766819
12G_US_Senate	44.59%	Smith	R	0.42233178
12P_AG	52.82%	Kane	D	0.379406929
12P_AG	47.18%	Murphy	D	0.620593071
12P_US_Senate	80.88%	Casey	D	0.880113721
12P_US_Senate	19.12%	Vodvarka	D	0.119886309
14G_Governor	54.93%	Wolf	D	0.585611522
14G_Governor	45.07%	Corbett	R	0.414388478
14P_Governor	16.84%	McCord	D	0.164180517
14P_Governor	7.66%	McGinty	D	0.039508175
14P_Governor	17.64%	Schwartz	D	0.394534856
14P_Governor	57.86%	Wolf	D	0.401776463
14P_Lt_Governor	15.88%	Critz	D	0.028438238
14P_Lt_Governor	11.91%	Koplinski	D	0.101663917
14P_Lt_Governor	10.84%	Neuman	D	0.057077218
14P_Lt_Governor	14.57%	Smith	D	0.130548239
14P_Lt_Governor	46.79%	Stack	D	0.682272375
16G_AG	51.39%	Shapiro	D	0.582181692
16G_AG	48.61%	Rafferty	R	0.417818338
16G_Auditor		Depasquale	D	0.543176413
16G_Auditor		Brown	R	0.456823587
16G_President	47.85%	Clinton	D	0.601855934
16G_President	48.58%	Trump	R	0.398144096
16G_Treasurer		Torsella	D	0.575975895
16G_Treasurer		Voit	R	0.424024105
16G_US_Senate	47.34%	McGinty	D	0.543566942
16G_US_Senate	48.77%	Toomey	R	0.456433058
16P_AG	16.22%	Morganelli	D	0.054182172
16P_AG	47.03%	Shapiro	D	0.813694119
16P_AG	36.74%	Zappala	D	0.132123724
16P_President	55.61%	Clinton	D	0.590973973
16P_President	0.86%	DeLaFuente	D	0.003339648
16P_President	43.53%	Sanders	D	0.405686378
16P_US_Senate	19.49%	Fetterman	D	0.096666925
16P_US_Senate	42.50%	McGinty	D	0.446745962
16P_US_Senate	32.57%	Sestak	D	0.448779732
16P_US_Senate	5.45%	Vodvarka	D	0.00780738

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.557370186
17G_Supreme_Court		Mundy	R	0.442629814
18G_Governor	57.77%	Wolf	D	0.672882617
18G_Governor	40.70%	Wagner	R	0.327117383
18G_US_Senator		Casey	D	0.65275687
18G_US_Senator		Barletta	R	0.3472431
18P_Lt_Governor	23.78%	Ahmad	D	0.316706151
18P_Lt_Governor	18.55%	Cozzone	D	0.151828036
18P_Lt_Governor	37.48%	Fetterman	D	0.259190917
18P_Lt_Governor	3.58%	Sosa	D	0.130280972
18P_Lt_Governor	16.62%	Stack	D	0.14199391
20G_AG		Shapiro	D	0.627423286
20G_AG		Heidelbaugh	R	0.372576743
20G_Auditor	46.35%	Ahmad	D	0.582575798
20G_Auditor	49.44%	Defoor	R	0.417424172
20G_President	50.01%	Biden	D	0.624533594
20G_President	48.84%	Trump	R	0.375466436
20G_Treasurer		Torsella	D	0.600587904
20G_Treasurer		Garrity	R	0.399412096
20P_Auditor	36.44%	Ahmad	D	0.601601422
20P_Auditor	7.47%	Conklin	D	0.046186768
20P_Auditor	5.99%	Davis	D	0.04218328
20P_Auditor	9.00%	Fountain	D	0.078093857
20P_Auditor	13.97%	Hartman	D	0.16080381
20P_Auditor	27.14%	Lamb	D	0.071130902
20P_President	79.26%	Biden	D	0.823281825
20P_President	2.70%	Gabbard	D	0.01510271
20P_President	18.04%	Sanders	D	0.161615446

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.577513218
12G_AG	41.56%	Freed	R	0.422486752
12G_Auditor		Depasquale	D	0.522126198
12G_Auditor		Maher	R	0.477873832
12G_President		Obama	D	0.573039412
12G_President		Romney	R	0.426960588
12G_Treasurer		McCord	D	0.547950983
12G_Treasurer		Vaughan	R	0.452049047
12G_US_Senate	53.69%	Casey	D	0.587063253
12G_US_Senate	44.59%	Smith	R	0.412936777
12P_AG	52.82%	Kane	D	0.387829095
12P_AG	47.18%	Murphy	D	0.612170935
12P_US_Senate	80.88%	Casey	D	0.864707768
12P_US_Senate	19.12%	Vodvarka	D	0.135292217
14G_Governor	54.93%	Wolf	D	0.579276562
14G_Governor	45.07%	Corbett	R	0.420723408
14P_Governor	16.84%	McCord	D	0.179193348
14P_Governor	7.66%	McGinty	D	0.066017292
14P_Governor	17.64%	Schwartz	D	0.242520124
14P_Governor	57.86%	Wolf	D	0.512269258
14P_Lt_Governor	15.88%	Critz	D	0.039662063
14P_Lt_Governor	11.91%	Koplinski	D	0.112125419
14P_Lt_Governor	10.84%	Neuman	D	0.047741897
14P_Lt_Governor	14.57%	Smith	D	0.135599464
14P_Lt_Governor	46.79%	Stack	D	0.664871156
16G_AG	51.39%	Shapiro	D	0.553588748
16G_AG	48.61%	Rafferty	R	0.446411222
16G_Auditor		Depasquale	D	0.535322249
16G_Auditor		Brown	R	0.464677751
16G_President	47.85%	Clinton	D	0.590729773
16G_President	48.58%	Trump	R	0.409270227
16G_Treasurer		Torsella	D	0.561456978
16G_Treasurer		Voit	R	0.438543051
16G_US_Senate	47.34%	McGinty	D	0.537156522
16G_US_Senate	48.77%	Toomey	R	0.462843508
16P_AG	16.22%	Morganelli	D	0.107786909
16P_AG	47.03%	Shapiro	D	0.660605729
16P_AG	36.74%	Zappala	D	0.231607378
16P_President	55.61%	Clinton	D	0.591700912
16P_President	0.86%	DeLaFuente	D	0.004460652
16P_President	43.53%	Sanders	D	0.403838426
16P_US_Senate	19.49%	Fetterman	D	0.0685293
16P_US_Senate	42.50%	McGinty	D	0.31599921
16P_US_Senate	32.57%	Sestak	D	0.591951549
16P_US_Senate	5.45%	Vodvarka	D	0.023519957

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.496172965
17G_Supreme_Court		Mundy	R	0.503827035
18G_Governor	57.77%	Wolf	D	0.652743876
18G_Governor	40.70%	Wagner	R	0.347256124
18G_US_Senator		Casey	D	0.63570714
18G_US_Senator		Barletta	R	0.36429289
18P_Lt_Governor	23.78%	Ahmad	D	0.34986195
18P_Lt_Governor	18.55%	Cozzone	D	0.310912758
18P_Lt_Governor	37.48%	Fetterman	D	0.171703026
18P_Lt_Governor	3.58%	Sosa	D	0.017170303
18P_Lt_Governor	16.62%	Stack	D	0.150351956
20G_AG		Shapiro	D	0.594058454
20G_AG		Heidelbaugh	R	0.405941516
20G_Auditor	46.35%	Ahmad	D	0.566709697
20G_Auditor	49.44%	Defoor	R	0.433290303
20G_President	50.01%	Biden	D	0.613355696
20G_President	48.84%	Trump	R	0.386644304
20G_Treasurer		Torsella	D	0.578609526
20G_Treasurer		Garrity	R	0.421390444
20P_Auditor	36.44%	Ahmad	D	0.626937091
20P_Auditor	7.47%	Conklin	D	0.036169063
20P_Auditor	5.99%	Davis	D	0.03391663
20P_Auditor	9.00%	Fountain	D	0.067252636
20P_Auditor	13.97%	Hartman	D	0.176570699
20P_Auditor	27.14%	Lamb	D	0.059153885
20P_President	79.26%	Biden	D	0.833038986
20P_President	2.70%	Gabbard	D	0.011348096
20P_President	18.04%	Sanders	D	0.155612916

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.547759652
12G_AG	41.56%	Freed	R	0.452240378
12G_Auditor		Depasquale	D	0.475049943
12G_Auditor		Maher	R	0.524950027
12G_President		Obama	D	0.519800961
12G_President		Romney	R	0.480199039
12G_Treasurer		McCord	D	0.513345897
12G_Treasurer		Vaughan	R	0.486654133
12G_US_Senate	53.69%	Casey	D	0.535474122
12G_US_Senate	44.59%	Smith	R	0.464525908
12P_AG	52.82%	Kane	D	0.485961199
12P_AG	47.18%	Murphy	D	0.514038801
12P_US_Senate	80.88%	Casey	D	0.8320719
12P_US_Senate	19.12%	Vodvarka	D	0.1679281
14G_Governor	54.93%	Wolf	D	0.533788025
14G_Governor	45.07%	Corbett	R	0.466212004
14P_Governor	16.84%	McCord	D	0.17350167
14P_Governor	7.66%	McGinty	D	0.07753823
14P_Governor	17.64%	Schwartz	D	0.164567351
14P_Governor	57.86%	Wolf	D	0.584392786
14P_Lt_Governor	15.88%	Critz	D	0.051012654
14P_Lt_Governor	11.91%	Koplinski	D	0.19433707
14P_Lt_Governor	10.84%	Neuman	D	0.057323158
14P_Lt_Governor	14.57%	Smith	D	0.178643405
14P_Lt_Governor	46.79%	Stack	D	0.518683732
16G_AG	51.39%	Shapiro	D	0.50526613
16G_AG	48.61%	Rafferty	R	0.49473387
16G_Auditor		Depasquale	D	0.487172216
16G_Auditor		Brown	R	0.512827814
16G_President	47.85%	Clinton	D	0.523878455
16G_President	48.58%	Trump	R	0.476121545
16G_Treasurer		Torsella	D	0.517834902
16G_Treasurer		Voit	R	0.482165098
16G_US_Senate	47.34%	McGinty	D	0.489786565
16G_US_Senate	48.77%	Toomey	R	0.510213435
16P_AG	16.22%	Morganelli	D	0.160562947
16P_AG	47.03%	Shapiro	D	0.623596728
16P_AG	36.74%	Zappala	D	0.21584031
16P_President	55.61%	Clinton	D	0.520627379
16P_President	0.86%	DeLaFuente	D	0.006100208
16P_President	43.53%	Sanders	D	0.473272413
16P_US_Senate	19.49%	Fetterman	D	0.092431292
16P_US_Senate	42.50%	McGinty	D	0.465731531
16P_US_Senate	32.57%	Sestak	D	0.417331845
16P_US_Senate	5.45%	Vodvarka	D	0.024505343

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.476495475
17G_Supreme_Court		Mundy	R	0.523504496
18G_Governor	57.77%	Wolf	D	0.60569036
18G_Governor	40.70%	Wagner	R	0.39430964
18G_US_Senator		Casey	D	0.587283313
18G_US_Senator		Barletta	R	0.412716717
18P_Lt_Governor	23.78%	Ahmad	D	0.21039772
18P_Lt_Governor	18.55%	Cozzone	D	0.483125001
18P_Lt_Governor	37.48%	Fetterman	D	0.158352271
18P_Lt_Governor	3.58%	Sosa	D	0.035340909
18P_Lt_Governor	16.62%	Stack	D	0.112784088
20G_AG		Shapiro	D	0.542626023
20G_AG		Heidelbaugh	R	0.457374007
20G_Auditor	46.35%	Ahmad	D	0.511053383
20G_Auditor	49.44%	Defoor	R	0.488946646
20G_President	50.01%	Biden	D	0.54932946
20G_President	48.84%	Trump	R	0.450670511
20G_Treasurer		Torsella	D	0.525879443
20G_Treasurer		Garrity	R	0.474120557
20P_Auditor	36.44%	Ahmad	D	0.387435198
20P_Auditor	7.47%	Conklin	D	0.046954114
20P_Auditor	5.99%	Davis	D	0.041781511
20P_Auditor	9.00%	Fountain	D	0.072270721
20P_Auditor	13.97%	Hartman	D	0.384861022
20P_Auditor	27.14%	Lamb	D	0.066697426
20P_President	79.26%	Biden	D	0.79657793
20P_President	2.70%	Gabbard	D	0.020622503
20P_President	18.04%	Sanders	D	0.182799578

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.563864708
12G_AG	41.56%	Freed	R	0.436135292
12G_Auditor		Depasquale	D	0.506743014
12G_Auditor		Maher	R	0.493256956
12G_President		Obama	D	0.525383651
12G_President		Romney	R	0.474616379
12G_Treasurer		McCord	D	0.537264645
12G_Treasurer		Vaughan	R	0.462735355
12G_US_Senate	53.69%	Casey	D	0.538964093
12G_US_Senate	44.59%	Smith	R	0.461035907
12P_AG	52.82%	Kane	D	0.512598097
12P_AG	47.18%	Murphy	D	0.487401903
12P_US_Senate	80.88%	Casey	D	0.822723567
12P_US_Senate	19.12%	Vodvarka	D	0.177276418
14G_Governor	54.93%	Wolf	D	0.546934426
14G_Governor	45.07%	Corbett	R	0.453065574
14P_Governor	16.84%	McCord	D	0.15345563
14P_Governor	7.66%	McGinty	D	0.062911041
14P_Governor	17.64%	Schwartz	D	0.143965617
14P_Governor	57.86%	Wolf	D	0.63966769
14P_Lt_Governor	15.88%	Critz	D	0.053196259
14P_Lt_Governor	11.91%	Koplinski	D	0.151136711
14P_Lt_Governor	10.84%	Neuman	D	0.070790358
14P_Lt_Governor	14.57%	Smith	D	0.235139892
14P_Lt_Governor	46.79%	Stack	D	0.489736766
16G_AG	51.39%	Shapiro	D	0.512407005
16G_AG	48.61%	Rafferty	R	0.487592995
16G_Auditor		Depasquale	D	0.491001159
16G_Auditor		Brown	R	0.508998871
16G_President	47.85%	Clinton	D	0.485487223
16G_President	48.58%	Trump	R	0.514512777
16G_Treasurer		Torsella	D	0.523361385
16G_Treasurer		Voit	R	0.476638645
16G_US_Senate	47.34%	McGinty	D	0.477430969
16G_US_Senate	48.77%	Toomey	R	0.52256906
16P_AG	16.22%	Morganelli	D	0.67315805
16P_AG	47.03%	Shapiro	D	0.235701323
16P_AG	36.74%	Zappala	D	0.091140628
16P_President	55.61%	Clinton	D	0.515215516
16P_President	0.86%	DeLaFuente	D	0.008169161
16P_President	43.53%	Sanders	D	0.47661531
16P_US_Senate	19.49%	Fetterman	D	0.109920666
16P_US_Senate	42.50%	McGinty	D	0.421575606
16P_US_Senate	32.57%	Sestak	D	0.429456264
16P_US_Senate	5.45%	Vodvarka	D	0.039047468

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.469719052
17G_Supreme_Court		Mundy	R	0.530280948
18G_Governor	57.77%	Wolf	D	0.581005633
18G_Governor	40.70%	Wagner	R	0.418994337
18G_US_Senator		Casey	D	0.551616311
18G_US_Senator		Barletta	R	0.448383689
18P_Lt_Governor	23.78%	Ahmad	D	0.284606665
18P_Lt_Governor	18.55%	Cozzone	D	0.239588454
18P_Lt_Governor	37.48%	Fetterman	D	0.192084283
18P_Lt_Governor	3.58%	Sosa	D	0.062813826
18P_Lt_Governor	16.62%	Stack	D	0.220906764
20G_AG		Shapiro	D	0.515872598
20G_AG		Heidelbaugh	R	0.484127373
20G_Auditor	46.35%	Ahmad	D	0.485347509
20G_Auditor	49.44%	Defoor	R	0.514652491
20G_President	50.01%	Biden	D	0.503266752
20G_President	48.84%	Trump	R	0.496733248
20G_Treasurer		Torsella	D	0.496774763
20G_Treasurer		Garrity	R	0.503225207
20P_Auditor	36.44%	Ahmad	D	0.338680565
20P_Auditor	7.47%	Conklin	D	0.086189553
20P_Auditor	5.99%	Davis	D	0.163641632
20P_Auditor	9.00%	Fountain	D	0.101638623
20P_Auditor	13.97%	Hartman	D	0.177781448
20P_Auditor	27.14%	Lamb	D	0.132068187
20P_President	79.26%	Biden	D	0.789834321
20P_President	2.70%	Gabbard	D	0.025820181
20P_President	18.04%	Sanders	D	0.184345514

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.638347328
12G_AG	41.56%	Freed	R	0.361652642
12G_Auditor		Depasquale	D	0.565713763
12G_Auditor		Maher	R	0.434286207
12G_President		Obama	D	0.562380791
12G_President		Romney	R	0.437619209
12G_Treasurer		McCord	D	0.597501993
12G_Treasurer		Vaughan	R	0.402498007
12G_US_Senate	53.69%	Casey	D	0.589180708
12G_US_Senate	44.59%	Smith	R	0.410819292
12P_AG	52.82%	Kane	D	0.770387292
12P_AG	47.18%	Murphy	D	0.229612723
12P_US_Senate	80.88%	Casey	D	0.904820085
12P_US_Senate	19.12%	Vodvarka	D	0.09517993
14G_Governor	54.93%	Wolf	D	0.596535742
14G_Governor	45.07%	Corbett	R	0.403464258
14P_Governor	16.84%	McCord	D	0.214130506
14P_Governor	7.66%	McGinty	D	0.087240621
14P_Governor	17.64%	Schwartz	D	0.063429639
14P_Governor	57.86%	Wolf	D	0.635199249
14P_Lt_Governor	15.88%	Critz	D	0.03998623
14P_Lt_Governor	11.91%	Koplinski	D	0.114179075
14P_Lt_Governor	10.84%	Neuman	D	0.075497337
14P_Lt_Governor	14.57%	Smith	D	0.337645382
14P_Lt_Governor	46.79%	Stack	D	0.432691962
16G_AG	51.39%	Shapiro	D	0.52944082
16G_AG	48.61%	Rafferty	R	0.47055918
16G_Auditor		Depasquale	D	0.548054099
16G_Auditor		Brown	R	0.451945901
16G_President	47.85%	Clinton	D	0.455257744
16G_President	48.58%	Trump	R	0.544742227
16G_Treasurer		Torsella	D	0.559616923
16G_Treasurer		Voit	R	0.440383047
16G_US_Senate	47.34%	McGinty	D	0.501325786
16G_US_Senate	48.77%	Toomey	R	0.498674214
16P_AG	16.22%	Morganelli	D	0.319808543
16P_AG	47.03%	Shapiro	D	0.422273248
16P_AG	36.74%	Zappala	D	0.257918179
16P_President	55.61%	Clinton	D	0.540294886
16P_President	0.86%	DeLaFuente	D	0.009893239
16P_President	43.53%	Sanders	D	0.449811906
16P_US_Senate	19.49%	Fetterman	D	0.086550385
16P_US_Senate	42.50%	McGinty	D	0.496056169
16P_US_Senate	32.57%	Sestak	D	0.383544952
16P_US_Senate	5.45%	Vodvarka	D	0.033848491

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.432451069
17G_Supreme_Court		Mundy	R	0.567548931
18G_Governor	57.77%	Wolf	D	0.570753098
18G_Governor	40.70%	Wagner	R	0.429246873
18G_US_Senator		Casey	D	0.527997136
18G_US_Senator		Barletta	R	0.472002864
18P_Lt_Governor	23.78%	Ahmad	D	0.268031299
18P_Lt_Governor	18.55%	Cozzone	D	0.1713323
18P_Lt_Governor	37.48%	Fetterman	D	0.200339466
18P_Lt_Governor	3.58%	Sosa	D	0.036227293
18P_Lt_Governor	16.62%	Stack	D	0.324069619
20G_AG		Shapiro	D	0.53273803
20G_AG		Heidelbaugh	R	0.46726197
20G_Auditor	46.35%	Ahmad	D	0.487028152
20G_Auditor	49.44%	Defoor	R	0.512971818
20G_President	50.01%	Biden	D	0.482015938
20G_President	48.84%	Trump	R	0.517984033
20G_Treasurer		Torsella	D	0.497770876
20G_Treasurer		Garrity	R	0.502229154
20P_Auditor	36.44%	Ahmad	D	0.221023679
20P_Auditor	7.47%	Conklin	D	0.073371723
20P_Auditor	5.99%	Davis	D	0.331759423
20P_Auditor	9.00%	Fountain	D	0.076660268
20P_Auditor	13.97%	Hartman	D	0.143941134
20P_Auditor	27.14%	Lamb	D	0.153243765
20P_President	79.26%	Biden	D	0.806742549
20P_President	2.70%	Gabbard	D	0.035419766
20P_President	18.04%	Sanders	D	0.157837674

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.465729505
12G_AG	41.56%	Freed	R	0.534270465
12G_Auditor		Depasquale	D	0.376888961
12G_Auditor		Maher	R	0.623111069
12G_President		Obama	D	0.387712389
12G_President		Romney	R	0.612287641
12G_Treasurer		McCord	D	0.412196696
12G_Treasurer		Vaughan	R	0.587803304
12G_US_Senate	53.69%	Casey	D	0.40105626
12G_US_Senate	44.59%	Smith	R	0.59894377
12P_AG	52.82%	Kane	D	0.700805426
12P_AG	47.18%	Murphy	D	0.299194574
12P_US_Senate	80.88%	Casey	D	0.870499551
12P_US_Senate	19.12%	Vodvarka	D	0.129500434
14G_Governor	54.93%	Wolf	D	0.434907675
14G_Governor	45.07%	Corbett	R	0.565092325
14P_Governor	16.84%	McCord	D	0.188032523
14P_Governor	7.66%	McGinty	D	0.10169021
14P_Governor	17.64%	Schwartz	D	0.08009769
14P_Governor	57.86%	Wolf	D	0.630179584
14P_Lt_Governor	15.88%	Critz	D	0.051835332
14P_Lt_Governor	11.91%	Koplinski	D	0.188114032
14P_Lt_Governor	10.84%	Neuman	D	0.050057258
14P_Lt_Governor	14.57%	Smith	D	0.394219756
14P_Lt_Governor	46.79%	Stack	D	0.315773606
16G_AG	51.39%	Shapiro	D	0.346950203
16G_AG	48.61%	Rafferty	R	0.653049827
16G_Auditor		Depasquale	D	0.347088724
16G_Auditor		Brown	R	0.652911246
16G_President	47.85%	Clinton	D	0.287615836
16G_President	48.58%	Trump	R	0.712384164
16G_Treasurer		Torsella	D	0.379172355
16G_Treasurer		Voit	R	0.620827675
16G_US_Senate	47.34%	McGinty	D	0.327702016
16G_US_Senate	48.77%	Toomey	R	0.672297955
16P_AG	16.22%	Morganelli	D	0.335865915
16P_AG	47.03%	Shapiro	D	0.463188648
16P_AG	36.74%	Zappala	D	0.200945422
16P_President	55.61%	Clinton	D	0.472069055
16P_President	0.86%	DeLaFuente	D	0.013362103
16P_President	43.53%	Sanders	D	0.514568865
16P_US_Senate	19.49%	Fetterman	D	0.12450359
16P_US_Senate	42.50%	McGinty	D	0.487478316
16P_US_Senate	32.57%	Sestak	D	0.354951143
16P_US_Senate	5.45%	Vodvarka	D	0.033066962

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.287581384
17G_Supreme_Court		Mundy	R	0.712418616
18G_Governor	57.77%	Wolf	D	0.402896464
18G_Governor	40.70%	Wagner	R	0.597103536
18G_US_Senator		Casey	D	0.366189927
18G_US_Senator		Barletta	R	0.633810103
18P_Lt_Governor	23.78%	Ahmad	D	0.236002281
18P_Lt_Governor	18.55%	Cozzone	D	0.199066818
18P_Lt_Governor	37.48%	Fetterman	D	0.269447207
18P_Lt_Governor	3.58%	Sosa	D	0.041173957
18P_Lt_Governor	16.62%	Stack	D	0.254309744
20G_AG		Shapiro	D	0.340161234
20G_AG		Heidelbaugh	R	0.659838796
20G_Auditor	46.35%	Ahmad	D	0.294226259
20G_Auditor	49.44%	Defoor	R	0.705773711
20G_President	50.01%	Biden	D	0.306005776
20G_President	48.84%	Trump	R	0.693994224
20G_Treasurer		Torsella	D	0.303786337
20G_Treasurer		Garrity	R	0.696213663
20P_Auditor	36.44%	Ahmad	D	0.202397451
20P_Auditor	7.47%	Conklin	D	0.197830871
20P_Auditor	5.99%	Davis	D	0.097712629
20P_Auditor	9.00%	Fountain	D	0.137507141
20P_Auditor	13.97%	Hartman	D	0.219664842
20P_Auditor	27.14%	Lamb	D	0.14488706
20P_President	79.26%	Biden	D	0.76387763
20P_President	2.70%	Gabbard	D	0.047569066
20P_President	18.04%	Sanders	D	0.188553318

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.493790179
12G_AG	41.56%	Freed	R	0.506209791
12G_Auditor		Depasquale	D	0.456543416
12G_Auditor		Maher	R	0.543456614
12G_President		Obama	D	0.456837118
12G_President		Romney	R	0.543162882
12G_Treasurer		McCord	D	0.470633239
12G_Treasurer		Vaughan	R	0.529366791
12G_US_Senate	53.69%	Casey	D	0.474501371
12G_US_Senate	44.59%	Smith	R	0.525498629
12P_AG	52.82%	Kane	D	0.643818796
12P_AG	47.18%	Murphy	D	0.356181175
12P_US_Senate	80.88%	Casey	D	0.853824973
12P_US_Senate	19.12%	Vodvarka	D	0.146175042
14G_Governor	54.93%	Wolf	D	0.468020856
14G_Governor	45.07%	Corbett	R	0.531979144
14P_Governor	16.84%	McCord	D	0.080924019
14P_Governor	7.66%	McGinty	D	0.06763763
14P_Governor	17.64%	Schwartz	D	0.056087386
14P_Governor	57.86%	Wolf	D	0.795350969
14P_Lt_Governor	15.88%	Critz	D	0.0463381
14P_Lt_Governor	11.91%	Koplinski	D	0.489388734
14P_Lt_Governor	10.84%	Neuman	D	0.050474465
14P_Lt_Governor	14.57%	Smith	D	0.089053504
14P_Lt_Governor	46.79%	Stack	D	0.324745208
16G_AG	51.39%	Shapiro	D	0.430063277
16G_AG	48.61%	Rafferty	R	0.569936752
16G_Auditor		Depasquale	D	0.491482496
16G_Auditor		Brown	R	0.508517504
16G_President	47.85%	Clinton	D	0.432193339
16G_President	48.58%	Trump	R	0.567806661
16G_Treasurer		Torsella	D	0.445635378
16G_Treasurer		Voit	R	0.554364622
16G_US_Senate	47.34%	McGinty	D	0.423795938
16G_US_Senate	48.77%	Toomey	R	0.576204062
16P_AG	16.22%	Morganelli	D	0.180196807
16P_AG	47.03%	Shapiro	D	0.578290284
16P_AG	36.74%	Zappala	D	0.24151291
16P_President	55.61%	Clinton	D	0.53825134
16P_President	0.86%	DeLaFuente	D	0.008279744
16P_President	43.53%	Sanders	D	0.453468919
16P_US_Senate	19.49%	Fetterman	D	0.154059082
16P_US_Senate	42.50%	McGinty	D	0.517941833
16P_US_Senate	32.57%	Sestak	D	0.293153405
16P_US_Senate	5.45%	Vodvarka	D	0.034845669

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.361618847
17G_Supreme_Court		Mundy	R	0.638381183
18G_Governor	57.77%	Wolf	D	0.532597423
18G_Governor	40.70%	Wagner	R	0.467402548
18G_US_Senator		Casey	D	0.492029071
18G_US_Senator		Barletta	R	0.507970929
18P_Lt_Governor	23.78%	Ahmad	D	0.363860488
18P_Lt_Governor	18.55%	Cozzone	D	0.17050007
18P_Lt_Governor	37.48%	Fetterman	D	0.344165862
18P_Lt_Governor	3.58%	Sosa	D	0.028883597
18P_Lt_Governor	16.62%	Stack	D	0.092589997
20G_AG		Shapiro	D	0.466521651
20G_AG		Heidelbaugh	R	0.533478379
20G_Auditor	46.35%	Ahmad	D	0.423612684
20G_Auditor	49.44%	Defoor	R	0.576387346
20G_President	50.01%	Biden	D	0.462008953
20G_President	48.84%	Trump	R	0.537991047
20G_Treasurer		Torsella	D	0.437909245
20G_Treasurer		Garrity	R	0.562090755
20P_Auditor	36.44%	Ahmad	D	0.173414186
20P_Auditor	7.47%	Conklin	D	0.078397289
20P_Auditor	5.99%	Davis	D	0.035255831
20P_Auditor	9.00%	Fountain	D	0.422986537
20P_Auditor	13.97%	Hartman	D	0.20480369
20P_Auditor	27.14%	Lamb	D	0.085142486
20P_President	79.26%	Biden	D	0.797973871
20P_President	2.70%	Gabbard	D	0.025179952
20P_President	18.04%	Sanders	D	0.176846176

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.434283525
12G_AG	41.56%	Freed	R	0.565716505
12G_Auditor		Depasquale	D	0.36056757
12G_Auditor		Maher	R	0.63943243
12G_President		Obama	D	0.387129188
12G_President		Romney	R	0.612870812
12G_Treasurer		McCord	D	0.384543687
12G_Treasurer		Vaughan	R	0.615456343
12G_US_Senate	53.69%	Casey	D	0.398921788
12G_US_Senate	44.59%	Smith	R	0.601078212
12P_AG	52.82%	Kane	D	0.572246611
12P_AG	47.18%	Murphy	D	0.427753419
12P_US_Senate	80.88%	Casey	D	0.853213847
12P_US_Senate	19.12%	Vodvarka	D	0.146786153
14G_Governor	54.93%	Wolf	D	0.398429751
14G_Governor	45.07%	Corbett	R	0.601570249
14P_Governor	16.84%	McCord	D	0.0995377
14P_Governor	7.66%	McGinty	D	0.078509182
14P_Governor	17.64%	Schwartz	D	0.096142046
14P_Governor	57.86%	Wolf	D	0.725811064
14P_Lt_Governor	15.88%	Critz	D	0.057747703
14P_Lt_Governor	11.91%	Koplinski	D	0.351469994
14P_Lt_Governor	10.84%	Neuman	D	0.050843582
14P_Lt_Governor	14.57%	Smith	D	0.120662063
14P_Lt_Governor	46.79%	Stack	D	0.419276655
16G_AG	51.39%	Shapiro	D	0.366699964
16G_AG	48.61%	Rafferty	R	0.633300066
16G_Auditor		Depasquale	D	0.388348162
16G_Auditor		Brown	R	0.611651838
16G_President	47.85%	Clinton	D	0.368527412
16G_President	48.58%	Trump	R	0.631472588
16G_Treasurer		Torsella	D	0.373839527
16G_Treasurer		Voit	R	0.626160443
16G_US_Senate	47.34%	McGinty	D	0.364145577
16G_US_Senate	48.77%	Toomey	R	0.635854423
16P_AG	16.22%	Morganelli	D	0.184257179
16P_AG	47.03%	Shapiro	D	0.586631358
16P_AG	36.74%	Zappala	D	0.229111478
16P_President	55.61%	Clinton	D	0.481518805
16P_President	0.86%	DeLaFuente	D	0.006748246
16P_President	43.53%	Sanders	D	0.511732936
16P_US_Senate	19.49%	Fetterman	D	0.158321053
16P_US_Senate	42.50%	McGinty	D	0.527911007
16P_US_Senate	32.57%	Sestak	D	0.304865539
16P_US_Senate	5.45%	Vodvarka	D	0.008902409

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.319314778
17G_Supreme_Court		Mundy	R	0.680685222
18G_Governor	57.77%	Wolf	D	0.459986299
18G_Governor	40.70%	Wagner	R	0.540013731
18G_US_Senator		Casey	D	0.431401134
18G_US_Senator		Barletta	R	0.568598866
18P_Lt_Governor	23.78%	Ahmad	D	0.37807405
18P_Lt_Governor	18.55%	Cozzone	D	0.229873151
18P_Lt_Governor	37.48%	Fetterman	D	0.286521703
18P_Lt_Governor	3.58%	Sosa	D	0.027828112
18P_Lt_Governor	16.62%	Stack	D	0.077702992
20G_AG		Shapiro	D	0.384131283
20G_AG		Heidelbaugh	R	0.615868688
20G_Auditor	46.35%	Ahmad	D	0.357387334
20G_Auditor	49.44%	Defoor	R	0.642612696
20G_President	50.01%	Biden	D	0.390953541
20G_President	48.84%	Trump	R	0.609046459
20G_Treasurer		Torsella	D	0.359840304
20G_Treasurer		Garrity	R	0.640159726
20P_Auditor	36.44%	Ahmad	D	0.12887463
20P_Auditor	7.47%	Conklin	D	0.034826051
20P_Auditor	5.99%	Davis	D	0.023648895
20P_Auditor	9.00%	Fountain	D	0.097239442
20P_Auditor	13.97%	Hartman	D	0.67084825
20P_Auditor	27.14%	Lamb	D	0.044562761
20P_President	79.26%	Biden	D	0.762920022
20P_President	2.70%	Gabbard	D	0.026276851
20P_President	18.04%	Sanders	D	0.210803106

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.48823005
12G_AG	41.56%	Freed	R	0.51176995
12G_Auditor		Depasquale	D	0.394066483
12G_Auditor		Maher	R	0.605933547
12G_President		Obama	D	0.38618052
12G_President		Romney	R	0.61381948
12G_Treasurer		McCord	D	0.431239784
12G_Treasurer		Vaughan	R	0.568760216
12G_US_Senate	53.69%	Casey	D	0.40159604
12G_US_Senate	44.59%	Smith	R	0.598403931
12P_AG	52.82%	Kane	D	0.598610938
12P_AG	47.18%	Murphy	D	0.401389062
12P_US_Senate	80.88%	Casey	D	0.796976328
12P_US_Senate	19.12%	Vodvarka	D	0.203023702
14G_Governor	54.93%	Wolf	D	0.459052175
14G_Governor	45.07%	Corbett	R	0.540947855
14P_Governor	16.84%	McCord	D	0.211712614
14P_Governor	7.66%	McGinty	D	0.110932223
14P_Governor	17.64%	Schwartz	D	0.081572413
14P_Governor	57.86%	Wolf	D	0.595782757
14P_Lt_Governor	15.88%	Critz	D	0.486510456
14P_Lt_Governor	11.91%	Koplinski	D	0.096319728
14P_Lt_Governor	10.84%	Neuman	D	0.068645775
14P_Lt_Governor	14.57%	Smith	D	0.194891706
14P_Lt_Governor	46.79%	Stack	D	0.153632358
16G_AG	51.39%	Shapiro	D	0.376157939
16G_AG	48.61%	Rafferty	R	0.623842061
16G_Auditor		Depasquale	D	0.392032355
16G_Auditor		Brown	R	0.607967615
16G_President	47.85%	Clinton	D	0.313686162
16G_President	48.58%	Trump	R	0.686313808
16G_Treasurer		Torsella	D	0.402121693
16G_Treasurer		Voit	R	0.597878337
16G_US_Senate	47.34%	McGinty	D	0.344234377
16G_US_Senate	48.77%	Toomey	R	0.655765593
16P_AG	16.22%	Morganelli	D	0.187079519
16P_AG	47.03%	Shapiro	D	0.412874967
16P_AG	36.74%	Zappala	D	0.400045514
16P_President	55.61%	Clinton	D	0.467292547
16P_President	0.86%	DeLaFuente	D	0.018488316
16P_President	43.53%	Sanders	D	0.514219165
16P_US_Senate	19.49%	Fetterman	D	0.225118354
16P_US_Senate	42.50%	McGinty	D	0.438252389
16P_US_Senate	32.57%	Sestak	D	0.279859334
16P_US_Senate	5.45%	Vodvarka	D	0.056769919

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.347450644
17G_Supreme_Court		Mundy	R	0.652549326
18G_Governor	57.77%	Wolf	D	0.415491194
18G_Governor	40.70%	Wagner	R	0.584508777
18G_US_Senator		Casey	D	0.416293979
18G_US_Senator		Barletta	R	0.583706021
18P_Lt_Governor	23.78%	Ahmad	D	0.140680701
18P_Lt_Governor	18.55%	Cozzone	D	0.219385117
18P_Lt_Governor	37.48%	Fetterman	D	0.530911982
18P_Lt_Governor	3.58%	Sosa	D	0.036289953
18P_Lt_Governor	16.62%	Stack	D	0.072732262
20G_AG		Shapiro	D	0.344610929
20G_AG		Heidelbaugh	R	0.655389071
20G_Auditor	46.35%	Ahmad	D	0.297195345
20G_Auditor	49.44%	Defoor	R	0.702804625
20G_President	50.01%	Biden	D	0.313147515
20G_President	48.84%	Trump	R	0.686852515
20G_Treasurer		Torsella	D	0.318276286
20G_Treasurer		Garrity	R	0.681723714
20P_Auditor	36.44%	Ahmad	D	0.088687487
20P_Auditor	7.47%	Conklin	D	0.463327408
20P_Auditor	5.99%	Davis	D	0.035620652
20P_Auditor	9.00%	Fountain	D	0.053649459
20P_Auditor	13.97%	Hartman	D	0.068554781
20P_Auditor	27.14%	Lamb	D	0.290160209
20P_President	79.26%	Biden	D	0.751125753
20P_President	2.70%	Gabbard	D	0.053292859
20P_President	18.04%	Sanders	D	0.195581421

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.398813874
12G_AG	41.56%	Freed	R	0.601186097
12G_Auditor		Depasquale	D	0.312793612
12G_Auditor		Maher	R	0.687206388
12G_President		Obama	D	0.32640931
12G_President		Romney	R	0.67359072
12G_Treasurer		McCord	D	0.352250308
12G_Treasurer		Vaughan	R	0.647749662
12G_US_Senate	53.69%	Casey	D	0.352424145
12G_US_Senate	44.59%	Smith	R	0.647575855
12P_AG	52.82%	Kane	D	0.637542903
12P_AG	47.18%	Murphy	D	0.362457067
12P_US_Senate	80.88%	Casey	D	0.824243724
12P_US_Senate	19.12%	Vodvarka	D	0.175756261
14G_Governor	54.93%	Wolf	D	0.374751389
14G_Governor	45.07%	Corbett	R	0.625248611
14P_Governor	16.84%	McCord	D	0.136647046
14P_Governor	7.66%	McGinty	D	0.104987875
14P_Governor	17.64%	Schwartz	D	0.069553167
14P_Governor	57.86%	Wolf	D	0.688811898
14P_Lt_Governor	15.88%	Critz	D	0.2889162
14P_Lt_Governor	11.91%	Koplinski	D	0.275401175
14P_Lt_Governor	10.84%	Neuman	D	0.0618787
14P_Lt_Governor	14.57%	Smith	D	0.138575524
14P_Lt_Governor	46.79%	Stack	D	0.235228419
16G_AG	51.39%	Shapiro	D	0.309742212
16G_AG	48.61%	Rafferty	R	0.690257788
16G_Auditor		Depasquale	D	0.329854846
16G_Auditor		Brown	R	0.670145154
16G_President	47.85%	Clinton	D	0.279078424
16G_President	48.58%	Trump	R	0.720921576
16G_Treasurer		Torsella	D	0.320844173
16G_Treasurer		Voit	R	0.679155827
16G_US_Senate	47.34%	McGinty	D	0.292702377
16G_US_Senate	48.77%	Toomey	R	0.707297623
16P_AG	16.22%	Morganelli	D	0.224492669
16P_AG	47.03%	Shapiro	D	0.494630575
16P_AG	36.74%	Zappala	D	0.280876786
16P_President	55.61%	Clinton	D	0.48814404
16P_President	0.86%	DeLaFuente	D	0.012632643
16P_President	43.53%	Sanders	D	0.499223322
16P_US_Senate	19.49%	Fetterman	D	0.15316911
16P_US_Senate	42.50%	McGinty	D	0.489869773
16P_US_Senate	32.57%	Sestak	D	0.318777204
16P_US_Senate	5.45%	Vodvarka	D	0.038183909

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.26953271
17G_Supreme_Court		Mundy	R	0.73046726
18G_Governor	57.77%	Wolf	D	0.375330627
18G_Governor	40.70%	Wagner	R	0.624669373
18G_US_Senator		Casey	D	0.353891164
18G_US_Senator		Barletta	R	0.646108806
18P_Lt_Governor	23.78%	Ahmad	D	0.279977709
18P_Lt_Governor	18.55%	Cozzone	D	0.233215272
18P_Lt_Governor	37.48%	Fetterman	D	0.364070535
18P_Lt_Governor	3.58%	Sosa	D	0.038404904
18P_Lt_Governor	16.62%	Stack	D	0.084331594
20G_AG		Shapiro	D	0.303002834
20G_AG		Heidelbaugh	R	0.696997166
20G_Auditor	46.35%	Ahmad	D	0.269501358
20G_Auditor	49.44%	Defoor	R	0.730498612
20G_President	50.01%	Biden	D	0.297971845
20G_President	48.84%	Trump	R	0.702028155
20G_Treasurer		Torsella	D	0.282651007
20G_Treasurer		Garrity	R	0.717348993
20P_Auditor	36.44%	Ahmad	D	0.155961975
20P_Auditor	7.47%	Conklin	D	0.277131945
20P_Auditor	5.99%	Davis	D	0.046167899
20P_Auditor	9.00%	Fountain	D	0.233953327
20P_Auditor	13.97%	Hartman	D	0.16702649
20P_Auditor	27.14%	Lamb	D	0.119758368
20P_President	79.26%	Biden	D	0.779428482
20P_President	2.70%	Gabbard	D	0.037476629
20P_President	18.04%	Sanders	D	0.183094874

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.523676157
12G_AG	41.56%	Freed	R	0.476323873
12G_Auditor		Depasquale	D	0.449514627
12G_Auditor		Maher	R	0.550485373
12G_President		Obama	D	0.399952024
12G_President		Romney	R	0.600048006
12G_Treasurer		McCord	D	0.465934217
12G_Treasurer		Vaughan	R	0.534065783
12G_US_Senate	53.69%	Casey	D	0.450837106
12G_US_Senate	44.59%	Smith	R	0.549162865
12P_AG	52.82%	Kane	D	0.599531949
12P_AG	47.18%	Murphy	D	0.400468051
12P_US_Senate	80.88%	Casey	D	0.761269033
12P_US_Senate	19.12%	Vodvarka	D	0.238730952
14G_Governor	54.93%	Wolf	D	0.480065823
14G_Governor	45.07%	Corbett	R	0.519934177
14P_Governor	16.84%	McCord	D	0.199334756
14P_Governor	7.66%	McGinty	D	0.108503059
14P_Governor	17.64%	Schwartz	D	0.066035062
14P_Governor	57.86%	Wolf	D	0.626127124
14P_Lt_Governor	15.88%	Critz	D	0.460295141
14P_Lt_Governor	11.91%	Koplinski	D	0.02521695
14P_Lt_Governor	10.84%	Neuman	D	0.306852549
14P_Lt_Governor	14.57%	Smith	D	0.053326577
14P_Lt_Governor	46.79%	Stack	D	0.154308781
16G_AG	51.39%	Shapiro	D	0.414646715
16G_AG	48.61%	Rafferty	R	0.585353255
16G_Auditor		Depasquale	D	0.461715281
16G_Auditor		Brown	R	0.538284719
16G_President	47.85%	Clinton	D	0.331680954
16G_President	48.58%	Trump	R	0.668319046
16G_Treasurer		Torsella	D	0.453181684
16G_Treasurer		Voit	R	0.546818316
16G_US_Senate	47.34%	McGinty	D	0.373580813
16G_US_Senate	48.77%	Toomey	R	0.626419187
16P_AG	16.22%	Morganelli	D	0.095919356
16P_AG	47.03%	Shapiro	D	0.241313562
16P_AG	36.74%	Zappala	D	0.662767112
16P_President	55.61%	Clinton	D	0.548069775
16P_President	0.86%	DeLaFuente	D	0.018711518
16P_President	43.53%	Sanders	D	0.433218688
16P_US_Senate	19.49%	Fetterman	D	0.278072745
16P_US_Senate	42.50%	McGinty	D	0.431985199
16P_US_Senate	32.57%	Sestak	D	0.240772083
16P_US_Senate	5.45%	Vodvarka	D	0.049169987

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.413284838
17G_Supreme_Court		Mundy	R	0.586715162
18G_Governor	57.77%	Wolf	D	0.464064598
18G_Governor	40.70%	Wagner	R	0.535935402
18G_US_Senator		Casey	D	0.45260793
18G_US_Senator		Barletta	R	0.54739207
18P_Lt_Governor	23.78%	Ahmad	D	0.100985914
18P_Lt_Governor	18.55%	Cozzone	D	0.144391954
18P_Lt_Governor	37.48%	Fetterman	D	0.687657773
18P_Lt_Governor	3.58%	Sosa	D	0.020387029
18P_Lt_Governor	16.62%	Stack	D	0.046577353
20G_AG		Shapiro	D	0.402205169
20G_AG		Heidelbaugh	R	0.597794831
20G_Auditor	46.35%	Ahmad	D	0.339456797
20G_Auditor	49.44%	Defoor	R	0.660543203
20G_President	50.01%	Biden	D	0.340996683
20G_President	48.84%	Trump	R	0.659003317
20G_Treasurer		Torsella	D	0.359018356
20G_Treasurer		Garrity	R	0.640981615
20P_Auditor	36.44%	Ahmad	D	0.092652559
20P_Auditor	7.47%	Conklin	D	0.102741696
20P_Auditor	5.99%	Davis	D	0.024779027
20P_Auditor	9.00%	Fountain	D	0.032505281
20P_Auditor	13.97%	Hartman	D	0.061122432
20P_Auditor	27.14%	Lamb	D	0.686199009
20P_President	79.26%	Biden	D	0.788361549
20P_President	2.70%	Gabbard	D	0.056386176
20P_President	18.04%	Sanders	D	0.155252263

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.6660285
12G_AG	41.56%	Freed	R	0.333971471
12G_Auditor		Depasquale	D	0.627140939
12G_Auditor		Maher	R	0.372859091
12G_President		Obama	D	0.604350924
12G_President		Romney	R	0.395649046
12G_Treasurer		McCord	D	0.648697078
12G_Treasurer		Vaughan	R	0.351302892
12G_US_Senate	53.69%	Casey	D	0.635716319
12G_US_Senate	44.59%	Smith	R	0.364283681
12P_AG	52.82%	Kane	D	0.53038305
12P_AG	47.18%	Murphy	D	0.46961695
12P_US_Senate	80.88%	Casey	D	0.719762504
12P_US_Senate	19.12%	Vodvarka	D	0.280237526
14G_Governor	54.93%	Wolf	D	0.616444647
14G_Governor	45.07%	Corbett	R	0.383555353
14P_Governor	16.84%	McCord	D	0.145609245
14P_Governor	7.66%	McGinty	D	0.102882594
14P_Governor	17.64%	Schwartz	D	0.14368847
14P_Governor	57.86%	Wolf	D	0.607819676
14P_Lt_Governor	15.88%	Critz	D	0.315024614
14P_Lt_Governor	11.91%	Koplinski	D	0.071620174
14P_Lt_Governor	10.84%	Neuman	D	0.193716869
14P_Lt_Governor	14.57%	Smith	D	0.072361775
14P_Lt_Governor	46.79%	Stack	D	0.347276568
16G_AG	51.39%	Shapiro	D	0.62380439
16G_AG	48.61%	Rafferty	R	0.376195639
16G_Auditor		Depasquale	D	0.679961085
16G_Auditor		Brown	R	0.320038944
16G_President	47.85%	Clinton	D	0.596818447
16G_President	48.58%	Trump	R	0.403181523
16G_Treasurer		Torsella	D	0.659635067
16G_Treasurer		Voit	R	0.340364933
16G_US_Senate	47.34%	McGinty	D	0.603083909
16G_US_Senate	48.77%	Toomey	R	0.396916062
16P_AG	16.22%	Morganelli	D	0.042378973
16P_AG	47.03%	Shapiro	D	0.241549373
16P_AG	36.74%	Zappala	D	0.716071665
16P_President	55.61%	Clinton	D	0.551909268
16P_President	0.86%	DeLaFuente	D	0.008584406
16P_President	43.53%	Sanders	D	0.439506322
16P_US_Senate	19.49%	Fetterman	D	0.448232025
16P_US_Senate	42.50%	McGinty	D	0.322662652
16P_US_Senate	32.57%	Sestak	D	0.180292785
16P_US_Senate	5.45%	Vodvarka	D	0.048812523

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.64387399
17G_Supreme_Court		Mundy	R	0.35612601
18G_Governor	57.77%	Wolf	D	0.695900559
18G_Governor	40.70%	Wagner	R	0.304099411
18G_US_Senator		Casey	D	0.68019563
18G_US_Senator		Barletta	R	0.3198044
18P_Lt_Governor	23.78%	Ahmad	D	0.135211498
18P_Lt_Governor	18.55%	Cozzone	D	0.060596593
18P_Lt_Governor	37.48%	Fetterman	D	0.770205677
18P_Lt_Governor	3.58%	Sosa	D	0.009073867
18P_Lt_Governor	16.62%	Stack	D	0.024912385
20G_AG		Shapiro	D	0.650120318
20G_AG		Heidelbaugh	R	0.349879652
20G_Auditor	46.35%	Ahmad	D	0.600400984
20G_Auditor	49.44%	Defoor	R	0.399599046
20G_President	50.01%	Biden	D	0.603640497
20G_President	48.84%	Trump	R	0.396359503
20G_Treasurer		Torsella	D	0.608615935
20G_Treasurer		Garrity	R	0.391384065
20P_Auditor	36.44%	Ahmad	D	0.137627885
20P_Auditor	7.47%	Conklin	D	0.012269096
20P_Auditor	5.99%	Davis	D	0.017467376
20P_Auditor	9.00%	Fountain	D	0.051736977
20P_Auditor	13.97%	Hartman	D	0.027075877
20P_Auditor	27.14%	Lamb	D	0.753822803
20P_President	79.26%	Biden	D	0.754787266
20P_President	2.70%	Gabbard	D	0.032150339
20P_President	18.04%	Sanders	D	0.213062391

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.5089674
12G_AG	41.56%	Freed	R	0.4910326
12G_Auditor		Depasquale	D	0.446786284
12G_Auditor		Maher	R	0.553213716
12G_President		Obama	D	0.464032382
12G_President		Romney	R	0.535967588
12G_Treasurer		McCord	D	0.487697363
12G_Treasurer		Vaughan	R	0.512302637
12G_US_Senate	53.69%	Casey	D	0.471245766
12G_US_Senate	44.59%	Smith	R	0.528754234
12P_AG	52.82%	Kane	D	0.683878124
12P_AG	47.18%	Murphy	D	0.316121846
12P_US_Senate	80.88%	Casey	D	0.774648607
12P_US_Senate	19.12%	Vodvarka	D	0.225351393
14G_Governor	54.93%	Wolf	D	0.48679021
14G_Governor	45.07%	Corbett	R	0.51320976
14P_Governor	16.84%	McCord	D	0.253803402
14P_Governor	7.66%	McGinty	D	0.089428291
14P_Governor	17.64%	Schwartz	D	0.072064243
14P_Governor	57.86%	Wolf	D	0.584704101
14P_Lt_Governor	15.88%	Critz	D	0.170223504
14P_Lt_Governor	11.91%	Koplinski	D	0.097220123
14P_Lt_Governor	10.84%	Neuman	D	0.217193887
14P_Lt_Governor	14.57%	Smith	D	0.301422745
14P_Lt_Governor	46.79%	Stack	D	0.213939756
16G_AG	51.39%	Shapiro	D	0.420041114
16G_AG	48.61%	Rafferty	R	0.579958916
16G_Auditor		Depasquale	D	0.436902612
16G_Auditor		Brown	R	0.563097417
16G_President	47.85%	Clinton	D	0.386400044
16G_President	48.58%	Trump	R	0.613599956
16G_Treasurer		Torsella	D	0.45550856
16G_Treasurer		Voit	R	0.54449147
16G_US_Senate	47.34%	McGinty	D	0.395241916
16G_US_Senate	48.77%	Toomey	R	0.604758084
16P_AG	16.22%	Morganelli	D	0.168325409
16P_AG	47.03%	Shapiro	D	0.370775223
16P_AG	36.74%	Zappala	D	0.460899353
16P_President	55.61%	Clinton	D	0.531329155
16P_President	0.86%	DeLaFuente	D	0.012395213
16P_President	43.53%	Sanders	D	0.456275642
16P_US_Senate	19.49%	Fetterman	D	0.240350857
16P_US_Senate	42.50%	McGinty	D	0.378105044
16P_US_Senate	32.57%	Sestak	D	0.310210526
16P_US_Senate	5.45%	Vodvarka	D	0.071333565

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.396336019
17G_Supreme_Court		Mundy	R	0.603663981
18G_Governor	57.77%	Wolf	D	0.495629251
18G_Governor	40.70%	Wagner	R	0.504370749
18G_US_Senator		Casey	D	0.480756879
18G_US_Senator		Barletta	R	0.519243121
18P_Lt_Governor	23.78%	Ahmad	D	0.103211656
18P_Lt_Governor	18.55%	Cozzone	D	0.195071548
18P_Lt_Governor	37.48%	Fetterman	D	0.624703467
18P_Lt_Governor	3.58%	Sosa	D	0.025101401
18P_Lt_Governor	16.62%	Stack	D	0.051911943
20G_AG		Shapiro	D	0.432331741
20G_AG		Heidelbaugh	R	0.567668259
20G_Auditor	46.35%	Ahmad	D	0.378726125
20G_Auditor	49.44%	Defoor	R	0.621273875
20G_President	50.01%	Biden	D	0.396992683
20G_President	48.84%	Trump	R	0.603007317
20G_Treasurer		Torsella	D	0.395085961
20G_Treasurer		Garrity	R	0.60491401
20P_Auditor	36.44%	Ahmad	D	0.127053782
20P_Auditor	7.47%	Conklin	D	0.078029498
20P_Auditor	5.99%	Davis	D	0.050846744
20P_Auditor	9.00%	Fountain	D	0.064332977
20P_Auditor	13.97%	Hartman	D	0.099001847
20P_Auditor	27.14%	Lamb	D	0.580735147
20P_President	79.26%	Biden	D	0.793722451
20P_President	2.70%	Gabbard	D	0.036277413
20P_President	18.04%	Sanders	D	0.170000136

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.559473634
12G_AG	41.56%	Freed	R	0.440526336
12G_Auditor		Depasquale	D	0.504806757
12G_Auditor		Maher	R	0.495193243
12G_President		Obama	D	0.494015932
12G_President		Romney	R	0.505984068
12G_Treasurer		McCord	D	0.533676028
12G_Treasurer		Vaughan	R	0.466323972
12G_US_Senate	53.69%	Casey	D	0.530259311
12G_US_Senate	44.59%	Smith	R	0.469740719
12P_AG	52.82%	Kane	D	0.534260273
12P_AG	47.18%	Murphy	D	0.465739757
12P_US_Senate	80.88%	Casey	D	0.715387583
12P_US_Senate	19.12%	Vodvarka	D	0.284612387
14G_Governor	54.93%	Wolf	D	0.513372362
14G_Governor	45.07%	Corbett	R	0.486627638
14P_Governor	16.84%	McCord	D	0.169801757
14P_Governor	7.66%	McGinty	D	0.107359461
14P_Governor	17.64%	Schwartz	D	0.11286322
14P_Governor	57.86%	Wolf	D	0.609975576
14P_Lt_Governor	15.88%	Critz	D	0.332374156
14P_Lt_Governor	11.91%	Koplinski	D	0.043124065
14P_Lt_Governor	10.84%	Neuman	D	0.237473994
14P_Lt_Governor	14.57%	Smith	D	0.081095792
14P_Lt_Governor	46.79%	Stack	D	0.305931985
16G_AG	51.39%	Shapiro	D	0.517427862
16G_AG	48.61%	Rafferty	R	0.482572138
16G_Auditor		Depasquale	D	0.578160405
16G_Auditor		Brown	R	0.421839595
16G_President	47.85%	Clinton	D	0.503287494
16G_President	48.58%	Trump	R	0.496712506
16G_Treasurer		Torsella	D	0.556184649
16G_Treasurer		Voit	R	0.44381538
16G_US_Senate	47.34%	McGinty	D	0.495542467
16G_US_Senate	48.77%	Toomey	R	0.504457533
16P_AG	16.22%	Morganelli	D	0.047672983
16P_AG	47.03%	Shapiro	D	0.197998717
16P_AG	36.74%	Zappala	D	0.75432831
16P_President	55.61%	Clinton	D	0.55196768
16P_President	0.86%	DeLaFuente	D	0.009955715
16P_President	43.53%	Sanders	D	0.438076615
16P_US_Senate	19.49%	Fetterman	D	0.36250788
16P_US_Senate	42.50%	McGinty	D	0.370093763
16P_US_Senate	32.57%	Sestak	D	0.200933516
16P_US_Senate	5.45%	Vodvarka	D	0.066464826

**Reconstituted Election Results for the Proposed Congressional Plan of Draw the Lines
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.552366376
17G_Supreme_Court		Mundy	R	0.447633654
18G_Governor	57.77%	Wolf	D	0.616398096
18G_Governor	40.70%	Wagner	R	0.383601934
18G_US_Senator		Casey	D	0.598957956
18G_US_Senator		Barletta	R	0.401042044
18P_Lt_Governor	23.78%	Ahmad	D	0.120022133
18P_Lt_Governor	18.55%	Cozzone	D	0.082110703
18P_Lt_Governor	37.48%	Fetterman	D	0.758513749
18P_Lt_Governor	3.58%	Sosa	D	0.011334864
18P_Lt_Governor	16.62%	Stack	D	0.028018579
20G_AG		Shapiro	D	0.571705878
20G_AG		Heidelbaugh	R	0.428294122
20G_Auditor	46.35%	Ahmad	D	0.510948598
20G_Auditor	49.44%	Defoor	R	0.489051431
20G_President	50.01%	Biden	D	0.529888153
20G_President	48.84%	Trump	R	0.470111847
20G_Treasurer		Torsella	D	0.521929443
20G_Treasurer		Garrity	R	0.478070557
20P_Auditor	36.44%	Ahmad	D	0.107661821
20P_Auditor	7.47%	Conklin	D	0.014794043
20P_Auditor	5.99%	Davis	D	0.016891031
20P_Auditor	9.00%	Fountain	D	0.038346093
20P_Auditor	13.97%	Hartman	D	0.030977855
20P_Auditor	27.14%	Lamb	D	0.791329145
20P_President	79.26%	Biden	D	0.777973473
20P_President	2.70%	Gabbard	D	0.036137704
20P_President	18.04%	Sanders	D	0.185888857

Citizen Voters

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.525954187
12G_AG	41.56%	Freed	R	0.474045843
12G_Auditor		Depasquale	D	0.478409618
12G_Auditor		Maher	R	0.521590412
12G_President		Obama	D	0.50566715
12G_President		Romney	R	0.49433282
12G_Treasurer		McCord	D	0.502026439
12G_Treasurer		Vaughan	R	0.497973561
12G_US_Senate	53.69%	Casey	D	0.521635175
12G_US_Senate	44.59%	Smith	R	0.478364825
12P_AG	52.82%	Kane	D	0.293875724
12P_AG	47.18%	Murphy	D	0.706124306
12P_US_Senate	80.88%	Casey	D	0.843397498
12P_US_Senate	19.12%	Vodvarka	D	0.156602472
14G_Governor	54.93%	Wolf	D	0.520955026
14G_Governor	45.07%	Corbett	R	0.479044944
14P_Governor	16.84%	McCord	D	0.157676041
14P_Governor	7.66%	McGinty	D	0.056363504
14P_Governor	17.64%	Schwartz	D	0.273213893
14P_Governor	57.86%	Wolf	D	0.512746572
14P_Lt_Governor	15.88%	Critz	D	0.035088196
14P_Lt_Governor	11.91%	Koplinski	D	0.112298593
14P_Lt_Governor	10.84%	Neuman	D	0.063251451
14P_Lt_Governor	14.57%	Smith	D	0.132909834
14P_Lt_Governor	46.79%	Stack	D	0.656451941
16G_AG	51.39%	Shapiro	D	0.506807268
16G_AG	48.61%	Rafferty	R	0.493192762
16G_Auditor		Depasquale	D	0.476742685
16G_Auditor		Brown	R	0.523257315
16G_President	47.85%	Clinton	D	0.504731476
16G_President	48.58%	Trump	R	0.495268524
16G_Treasurer		Torsella	D	0.503184795
16G_Treasurer		Voit	R	0.496815175
16G_US_Senate	47.34%	McGinty	D	0.471749157
16G_US_Senate	48.77%	Toomey	R	0.528250813
16P_AG	16.22%	Morganelli	D	0.161671519
16P_AG	47.03%	Shapiro	D	0.637860358
16P_AG	36.74%	Zappala	D	0.200468123
16P_President	55.61%	Clinton	D	0.553960621
16P_President	0.86%	DeLaFuente	D	0.009268485
16P_President	43.53%	Sanders	D	0.436770886
16P_US_Senate	19.49%	Fetterman	D	0.10759557
16P_US_Senate	42.50%	McGinty	D	0.433786929
16P_US_Senate	32.57%	Sestak	D	0.426267862
16P_US_Senate	5.45%	Vodvarka	D	0.032349646

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.485671997
17G_Supreme_Court		Mundy	R	0.514328003
18G_Governor	57.77%	Wolf	D	0.593634367
18G_Governor	40.70%	Wagner	R	0.406365663
18G_US_Senator		Casey	D	0.57161355
18G_US_Senator		Barletta	R	0.42838645
18P_Lt_Governor	23.78%	Ahmad	D	0.290344268
18P_Lt_Governor	18.55%	Cozzone	D	0.209278628
18P_Lt_Governor	37.48%	Fetterman	D	0.198006481
18P_Lt_Governor	3.58%	Sosa	D	0.086650766
18P_Lt_Governor	16.62%	Stack	D	0.215719849
20G_AG		Shapiro	D	0.527403176
20G_AG		Heidelbaugh	R	0.472596824
20G_Auditor	46.35%	Ahmad	D	0.48661384
20G_Auditor	49.44%	Defoor	R	0.51338613
20G_President	50.01%	Biden	D	0.524467885
20G_President	48.84%	Trump	R	0.475532144
20G_Treasurer		Torsella	D	0.50753361
20G_Treasurer		Garrity	R	0.49246642
20P_Auditor	36.44%	Ahmad	D	0.592220783
20P_Auditor	7.47%	Conklin	D	0.04428352
20P_Auditor	5.99%	Davis	D	0.044755321
20P_Auditor	9.00%	Fountain	D	0.087096773
20P_Auditor	13.97%	Hartman	D	0.157164797
20P_Auditor	27.14%	Lamb	D	0.074478827
20P_President	79.26%	Biden	D	0.81821835
20P_President	2.70%	Gabbard	D	0.020231446
20P_President	18.04%	Sanders	D	0.161550209

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.798937201
12G_AG	41.56%	Freed	R	0.201062813
12G_Auditor		Depasquale	D	0.766083837
12G_Auditor		Maher	R	0.233916163
12G_President		Obama	D	0.780363679
12G_President		Romney	R	0.219636351
12G_Treasurer		McCord	D	0.793266594
12G_Treasurer		Vaughan	R	0.206733376
12G_US_Senate	53.69%	Casey	D	0.798688591
12G_US_Senate	44.59%	Smith	R	0.201311138
12P_AG	52.82%	Kane	D	0.3573367
12P_AG	47.18%	Murphy	D	0.6426633
12P_US_Senate	80.88%	Casey	D	0.783239782
12P_US_Senate	19.12%	Vodvarka	D	0.216760188
14G_Governor	54.93%	Wolf	D	0.800868273
14G_Governor	45.07%	Corbett	R	0.199131727
14P_Governor	16.84%	McCord	D	0.13641569
14P_Governor	7.66%	McGinty	D	0.051040944
14P_Governor	17.64%	Schwartz	D	0.327133924
14P_Governor	57.86%	Wolf	D	0.485409439
14P_Lt_Governor	15.88%	Critz	D	0.040186018
14P_Lt_Governor	11.91%	Koplinski	D	0.032278318
14P_Lt_Governor	10.84%	Neuman	D	0.032925848
14P_Lt_Governor	14.57%	Smith	D	0.054627866
14P_Lt_Governor	46.79%	Stack	D	0.839981973
15G_Mayor		Kenney	D	0.772530794
15G_Mayor		Bailey	R	0.215926051
15G_Mayor		Foster	U	0.006379709
15G_Mayor		Hart	U	0.003869841
15G_Mayor		Kindij	U	0.001293632
15G_Sheriff		Williams	D	0.674269378
15G_Sheriff		Sawyer	R	0.325730592
15P_Mayor		Abraham	D	0.121916302
15P_Mayor		Diaz	D	0.068103381
15P_Mayor		Kenney	D	0.593885005
15P_Mayor		Oliver	D	0.033681009
15P_Mayor		Street	D	0.013753611
15P_Mayor		Williams	D	0.168660685
16G_AG	51.39%	Shapiro	D	0.7721771
16G_AG	48.61%	Rafferty	R	0.22782287
16G_Auditor		Depasquale	D	0.758950233
16G_Auditor		Brown	R	0.241049752
16G_Congress_Dist1		Brady	D	0.811334312
16G_Congress_Dist1		Williams	R	0.188665658
16G_President	47.85%	Clinton	D	0.751235664

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.248764306
16G_Treasurer		Torsella	D	0.786762238
16G_Treasurer		Voit	R	0.213237777
16G_US_Senate	47.34%	McGinty	D	0.740408659
16G_US_Senate	48.77%	Toomey	R	0.259591311
16P_AG	16.22%	Morganelli	D	0.125217184
16P_AG	47.03%	Shapiro	D	0.513809025
16P_AG	36.74%	Zappala	D	0.360973775
16P_Congress_Dist2		Evans	D	0.429542363
16P_Congress_Dist2		Fattah	D	0.419347525
16P_Congress_Dist2		Gordon	D	0.133590087
16P_Congress_Dist2		Muroff	D	0.017520012
16P_President	55.61%	Clinton	D	0.60801518
16P_President	0.86%	DeLaFuente	D	0.007199936
16P_President	43.53%	Sanders	D	0.384784877
16P_US_Senate	19.49%	Fetterman	D	0.198423952
16P_US_Senate	42.50%	McGinty	D	0.389616877
16P_US_Senate	32.57%	Sestak	D	0.280572087
16P_US_Senate	5.45%	Vodvarka	D	0.131387085
17G_Supreme_Court		Woodruff	D	0.639442205
17G_Supreme_Court		Mundy	R	0.360557795
17P_DA		Deni	D	0.023886595
17P_DA		Khan	D	0.209085837
17P_DA		Krasner	D	0.287353486
17P_DA		Negrin	D	0.190311417
17P_DA		ONeill	D	0.105011716
17P_DA		Shabazz	D	0.073311754
17P_DA		Untermeyer	D	0.111039177
18G_Congress_Dist2		Boyle	D	0.790169418
18G_Congress_Dist2		Torres	R	0.209830582
18G_Congress_Dist3		Evans	D	0.869907022
18G_Congress_Dist3		Leib	R	0.130092978
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.805176258
18G_Governor	40.70%	Wagner	R	0.194823757
18G_US_Senator		Casey	D	0.799433172
18G_US_Senator		Barletta	R	0.200566828
18P_Congress_Dist2		Boyle	D	0.645664334
18P_Congress_Dist2		Lawrence	D	0.354335666
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.200598285
18P_Lt_Governor	18.55%	Cozzone	D	0.161759257
18P_Lt_Governor	37.48%	Fetterman	D	0.172810212
18P_Lt_Governor	3.58%	Sosa	D	0.013523202
18P_Lt_Governor	16.62%	Stack	D	0.451309055
19P_Mayor		Butkovitz	D	0.158245087
19P_Mayor		Kenney	D	0.623129964
19P_Mayor		Williams	D	0.218624979
19P_Municipal_Judge		Brunson	D	0.435581863
19P_Municipal_Judge		Conroy	D	0.564418137
19P_Register_Wills		Donatucci	D	0.433760196
19P_Register_Wills		Gordon	D	0.41579476
19P_Register_Wills		Whaumbush	D	0.150445029
20G_AG		Shapiro	D	0.737407148
20G_AG		Heidelbaugh	R	0.262592882
20G_Auditor	46.35%	Ahmad	D	0.718774319
20G_Auditor	49.44%	Defoor	R	0.281225711
20G_Congress_Dist2		Boyle	D	0.72522229
20G_Congress_Dist2		Torres	R	0.27477774
20G_President	50.01%	Biden	D	0.714612722
20G_President	48.84%	Trump	R	0.285387278
20G_Treasurer		Torsella	D	0.724636495
20G_Treasurer		Garrity	R	0.275363505
20P_Auditor	36.44%	Ahmad	D	0.694212854
20P_Auditor	7.47%	Conklin	D	0.035269041
20P_Auditor	5.99%	Davis	D	0.05751618
20P_Auditor	9.00%	Fountain	D	0.055195995
20P_Auditor	13.97%	Hartman	D	0.056394942
20P_Auditor	27.14%	Lamb	D	0.101410985
20P_President	79.26%	Biden	D	0.786863327
20P_President	2.70%	Gabbard	D	0.022330344
20P_President	18.04%	Sanders	D	0.190806344
21G_Superior_Judge		Lane	D	0.628250182
21G_Superior_Judge		Sullivan	R	0.371749789
21P_DA		Krasner	D	0.480014384
21P_DA		Vega	D	0.519985616
21P_Superior_Judge		Beck	D	0.178950205
21P_Superior_Judge		Lane	D	0.771408796
21P_Superior_Judge		Neft	D	0.049641021

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.925000548
12G_AG	41.56%	Freed	R	0.074999429
12G_Auditor		Depasquale	D	0.911655664
12G_Auditor		Maher	R	0.088344328
12G_President		Obama	D	0.92296344
12G_President		Romney	R	0.07703656
12G_Treasurer		McCord	D	0.921266198
12G_Treasurer		Vaughan	R	0.078733824
12G_US_Senate	53.69%	Casey	D	0.92633903
12G_US_Senate	44.59%	Smith	R	0.07366097
12P_AG	52.82%	Kane	D	0.371442229
12P_AG	47.18%	Murphy	D	0.628557801
12P_US_Senate	80.88%	Casey	D	0.813820839
12P_US_Senate	19.12%	Vodvarka	D	0.186179161
14G_Governor	54.93%	Wolf	D	0.936300635
14G_Governor	45.07%	Corbett	R	0.063699372
14P_Governor	16.84%	McCord	D	0.161777839
14P_Governor	7.66%	McGinty	D	0.034759909
14P_Governor	17.64%	Schwartz	D	0.326961011
14P_Governor	57.86%	Wolf	D	0.476501256
14P_Lt_Governor	15.88%	Critz	D	0.033826761
14P_Lt_Governor	11.91%	Koplinski	D	0.035148028
14P_Lt_Governor	10.84%	Neuman	D	0.041169729
14P_Lt_Governor	14.57%	Smith	D	0.061865676
14P_Lt_Governor	46.79%	Stack	D	0.827989817
15G_Mayor		Kenney	D	0.90605551
15G_Mayor		Bailey	R	0.078291915
15G_Mayor		Foster	U	0.007942869
15G_Mayor		Hart	U	0.00624499
15G_Mayor		Kindij	U	0.001464694
15G_Sheriff		Williams	D	0.863085151
15G_Sheriff		Sawyer	R	0.136914849
15P_Mayor		Abraham	D	0.066137642
15P_Mayor		Diaz	D	0.022416476
15P_Mayor		Kenney	D	0.534382105
15P_Mayor		Oliver	D	0.048724219
15P_Mayor		Street	D	0.018837901
15P_Mayor		Williams	D	0.309501648
16G_AG	51.39%	Shapiro	D	0.910316288
16G_AG	48.61%	Rafferty	R	0.089683719
16G_Auditor		Depasquale	D	0.906435728
16G_Auditor		Brown	R	0.09356425
16G_Congress_Dist1		Brady	D	0.87060976
16G_Congress_Dist1		Williams	R	0.12939021
16G_President	47.85%	Clinton	D	0.921766698

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.078233324
16G_Treasurer		Torsella	D	0.914538503
16G_Treasurer		Voit	R	0.085461475
16G_US_Senate	47.34%	McGinty	D	0.900154054
16G_US_Senate	48.77%	Toomey	R	0.099845953
16P_AG	16.22%	Morganelli	D	0.090979926
16P_AG	47.03%	Shapiro	D	0.601698756
16P_AG	36.74%	Zappala	D	0.30732131
16P_Congress_Dist2		Evans	D	0.436555058
16P_Congress_Dist2		Fattah	D	0.361939669
16P_Congress_Dist2		Gordon	D	0.110949159
16P_Congress_Dist2		Muroff	D	0.090556137
16P_President	55.61%	Clinton	D	0.63535136
16P_President	0.86%	DeLaFuente	D	0.002446608
16P_President	43.53%	Sanders	D	0.362202048
16P_US_Senate	19.49%	Fetterman	D	0.174650714
16P_US_Senate	42.50%	McGinty	D	0.45943892
16P_US_Senate	32.57%	Sestak	D	0.265407413
16P_US_Senate	5.45%	Vodvarka	D	0.10050296
17G_Supreme_Court		Woodruff	D	0.900103092
17G_Supreme_Court		Mundy	R	0.0998969
17P_DA		Deni	D	0.011252161
17P_DA		Khan	D	0.203551397
17P_DA		Krasner	D	0.427897334
17P_DA		Negrin	D	0.11972376
17P_DA		ONeill	D	0.035045993
17P_DA		Shabazz	D	0.1336409
17P_DA		Untermeyer	D	0.068888441
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.936360419
18G_Congress_Dist3		Leib	R	0.063639559
18G_Congress_Dist5		Scanlon	D	0.805877626
18G_Congress_Dist5		Kim	R	0.194122359
18G_Governor	57.77%	Wolf	D	0.940770805
18G_Governor	40.70%	Wagner	R	0.059229188
18G_US_Senator		Casey	D	0.938329458
18G_US_Senator		Barletta	R	0.061670568
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.014713704
18P_Congress_Dist5		Davidson	D	0.011877326
18P_Congress_Dist5		Kirkland	D	0.014181883
18P_Congress_Dist5		Lazer	D	0.469597578
18P_Congress_Dist5		Li	D	0.109555043
18P_Congress_Dist5		Lunkenheimer	D	0.067895763
18P_Congress_Dist5		Scanlon	D	0.091295868

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.133841515
18P_Congress_Dist5		Vitali	D	0.034213793
18P_Congress_Dist5		Wright	D	0.052827515
18P_Lt_Governor	23.78%	Ahmad	D	0.313667059
18P_Lt_Governor	18.55%	Cozzone	D	0.153228492
18P_Lt_Governor	37.48%	Fetterman	D	0.182556212
18P_Lt_Governor	3.58%	Sosa	D	0.008262266
18P_Lt_Governor	16.62%	Stack	D	0.342285961
19P_Mayor		Butkovitz	D	0.054236777
19P_Mayor		Kenney	D	0.69779557
19P_Mayor		Williams	D	0.247967631
19P_Municipal_Judge		Brunson	D	0.452699512
19P_Municipal_Judge		Conroy	D	0.547300518
19P_Register_Wills		Donatucci	D	0.370075285
19P_Register_Wills		Gordon	D	0.461947292
19P_Register_Wills		Whaumbush	D	0.167977437
20G_AG		Shapiro	D	0.909150958
20G_AG		Heidelbaugh	R	0.090849034
20G_Auditor	46.35%	Ahmad	D	0.902330935
20G_Auditor	49.44%	Defoor	R	0.097669087
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.910431325
20G_President	48.84%	Trump	R	0.089568704
20G_Treasurer		Torsella	D	0.901305318
20G_Treasurer		Garrity	R	0.098694682
20P_Auditor	36.44%	Ahmad	D	0.735360801
20P_Auditor	7.47%	Conklin	D	0.024217244
20P_Auditor	5.99%	Davis	D	0.045069877
20P_Auditor	9.00%	Fountain	D	0.065979347
20P_Auditor	13.97%	Hartman	D	0.034930576
20P_Auditor	27.14%	Lamb	D	0.094442137
20P_President	79.26%	Biden	D	0.795111106
20P_President	2.70%	Gabbard	D	0.010174799
20P_President	18.04%	Sanders	D	0.194714129
21G_Superior_Judge		Lane	D	0.911931932
21G_Superior_Judge		Sullivan	R	0.088068046
21P_DA		Krasner	D	0.77687645
21P_DA		Vega	D	0.223123536
21P_Superior_Judge		Beck	D	0.101643413
21P_Superior_Judge		Lane	D	0.87458545
21P_Superior_Judge		Neft	D	0.023771144

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.571050107
12G_AG	41.56%	Freed	R	0.428949863
12G_Auditor		Depasquale	D	0.517529845
12G_Auditor		Maher	R	0.482470155
12G_President		Obama	D	0.551225662
12G_President		Romney	R	0.448774368
12G_Treasurer		McCord	D	0.550181568
12G_Treasurer		Vaughan	R	0.449818432
12G_US_Senate	53.69%	Casey	D	0.569468319
12G_US_Senate	44.59%	Smith	R	0.43053171
12P_AG	52.82%	Kane	D	0.410968512
12P_AG	47.18%	Murphy	D	0.589031458
12P_US_Senate	80.88%	Casey	D	0.861321926
12P_US_Senate	19.12%	Vodvarka	D	0.138678089
14G_Governor	54.93%	Wolf	D	0.580328226
14G_Governor	45.07%	Corbett	R	0.419671774
14P_Governor	16.84%	McCord	D	0.146399602
14P_Governor	7.66%	McGinty	D	0.041766781
14P_Governor	17.64%	Schwartz	D	0.367284864
14P_Governor	57.86%	Wolf	D	0.444548726
14P_Lt_Governor	15.88%	Critz	D	0.034809709
14P_Lt_Governor	11.91%	Koplinski	D	0.107832737
14P_Lt_Governor	10.84%	Neuman	D	0.059298061
14P_Lt_Governor	14.57%	Smith	D	0.139039919
14P_Lt_Governor	46.79%	Stack	D	0.659019589
16G_AG	51.39%	Shapiro	D	0.561829627
16G_AG	48.61%	Rafferty	R	0.438170373
16G_Auditor		Depasquale	D	0.525851369
16G_Auditor		Brown	R	0.474148631
16G_President	47.85%	Clinton	D	0.567160487
16G_President	48.58%	Trump	R	0.432839543
16G_Treasurer		Torsella	D	0.560077071
16G_Treasurer		Voit	R	0.439922929
16G_US_Senate	47.34%	McGinty	D	0.525280118
16G_US_Senate	48.77%	Toomey	R	0.474719882
16P_AG	16.22%	Morganelli	D	0.086256757
16P_AG	47.03%	Shapiro	D	0.771715224
16P_AG	36.74%	Zappala	D	0.142028004
16P_President	55.61%	Clinton	D	0.566556871
16P_President	0.86%	DeLaFuente	D	0.00441688
16P_President	43.53%	Sanders	D	0.429026276
16P_US_Senate	19.49%	Fetterman	D	0.101560563
16P_US_Senate	42.50%	McGinty	D	0.452552438
16P_US_Senate	32.57%	Sestak	D	0.433787972
16P_US_Senate	5.45%	Vodvarka	D	0.012099057

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.535921276
17G_Supreme_Court		Mundy	R	0.464078695
18G_Governor	57.77%	Wolf	D	0.649013817
18G_Governor	40.70%	Wagner	R	0.350986183
18G_US_Senator		Casey	D	0.628858447
18G_US_Senator		Barletta	R	0.371141553
18P_Lt_Governor	23.78%	Ahmad	D	0.311169833
18P_Lt_Governor	18.55%	Cozzone	D	0.171235144
18P_Lt_Governor	37.48%	Fetterman	D	0.229707912
18P_Lt_Governor	3.58%	Sosa	D	0.132540733
18P_Lt_Governor	16.62%	Stack	D	0.155346394
20G_AG		Shapiro	D	0.598178864
20G_AG		Heidelbaugh	R	0.401821136
20G_Auditor	46.35%	Ahmad	D	0.554720759
20G_Auditor	49.44%	Defoor	R	0.44527927
20G_President	50.01%	Biden	D	0.58937341
20G_President	48.84%	Trump	R	0.41062659
20G_Treasurer		Torsella	D	0.572109878
20G_Treasurer		Garrity	R	0.427890092
20P_Auditor	36.44%	Ahmad	D	0.57885766
20P_Auditor	7.47%	Conklin	D	0.049233068
20P_Auditor	5.99%	Davis	D	0.043810323
20P_Auditor	9.00%	Fountain	D	0.077486031
20P_Auditor	13.97%	Hartman	D	0.182824016
20P_Auditor	27.14%	Lamb	D	0.067788884
20P_President	79.26%	Biden	D	0.814516187
20P_President	2.70%	Gabbard	D	0.017530506
20P_President	18.04%	Sanders	D	0.167953297

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.634870708
12G_AG	41.56%	Freed	R	0.365129292
12G_Auditor		Depasquale	D	0.589437485
12G_Auditor		Maher	R	0.410562515
12G_President		Obama	D	0.629195094
12G_President		Romney	R	0.370804936
12G_Treasurer		McCord	D	0.612365603
12G_Treasurer		Vaughan	R	0.387634397
12G_US_Senate	53.69%	Casey	D	0.646369874
12G_US_Senate	44.59%	Smith	R	0.353630126
12P_AG	52.82%	Kane	D	0.373423964
12P_AG	47.18%	Murphy	D	0.626576006
12P_US_Senate	80.88%	Casey	D	0.855332077
12P_US_Senate	19.12%	Vodvarka	D	0.144667938
14G_Governor	54.93%	Wolf	D	0.637288392
14G_Governor	45.07%	Corbett	R	0.362711608
14P_Governor	16.84%	McCord	D	0.176706254
14P_Governor	7.66%	McGinty	D	0.051192813
14P_Governor	17.64%	Schwartz	D	0.287529588
14P_Governor	57.86%	Wolf	D	0.484571338
14P_Lt_Governor	15.88%	Critz	D	0.038673382
14P_Lt_Governor	11.91%	Koplinski	D	0.083560869
14P_Lt_Governor	10.84%	Neuman	D	0.049006686
14P_Lt_Governor	14.57%	Smith	D	0.129766494
14P_Lt_Governor	46.79%	Stack	D	0.69899255
15G_Mayor		Kenney	D	0.874437392
15G_Mayor		Bailey	R	0.118398093
15G_Mayor		Foster	U	0.00413337
15G_Mayor		Hart	U	0.002663727
15G_Mayor		Kindij	U	0.000367411
15G_Sheriff		Williams	D	0.81415081
15G_Sheriff		Sawyer	R	0.185849175
15P_Mayor		Abraham	D	0.059894547
15P_Mayor		Diaz	D	0.011286868
15P_Mayor		Kenney	D	0.610479474
15P_Mayor		Oliver	D	0.023644753
15P_Mayor		Street	D	0.012193113
15P_Mayor		Williams	D	0.282501251
16G_AG	51.39%	Shapiro	D	0.615427315
16G_AG	48.61%	Rafferty	R	0.384572685
16G_Auditor		Depasquale	D	0.59880656
16G_Auditor		Brown	R	0.40119341
16G_Congress_Dist1		Brady	D	0.811142087
16G_Congress_Dist1		Williams	R	0.188857913
16G_President	47.85%	Clinton	D	0.64630127

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.35369876
16G_Treasurer		Torsella	D	0.621727407
16G_Treasurer		Voit	R	0.378272563
16G_US_Senate	47.34%	McGinty	D	0.594503105
16G_US_Senate	48.77%	Toomey	R	0.405496895
16P_AG	16.22%	Morganelli	D	0.097915187
16P_AG	47.03%	Shapiro	D	0.65919745
16P_AG	36.74%	Zappala	D	0.242887363
16P_Congress_Dist2		Evans	D	0.353333324
16P_Congress_Dist2		Fattah	D	0.553333342
16P_Congress_Dist2		Gordon	D	0.093333334
16P_Congress_Dist2		Muroff	D	0
16P_President	55.61%	Clinton	D	0.612719119
16P_President	0.86%	DeLaFuente	D	0.004323738
16P_President	43.53%	Sanders	D	0.382957131
16P_US_Senate	19.49%	Fetterman	D	0.084194824
16P_US_Senate	42.50%	McGinty	D	0.314792305
16P_US_Senate	32.57%	Sestak	D	0.564469218
16P_US_Senate	5.45%	Vodvarka	D	0.036543652
17G_Supreme_Court		Woodruff	D	0.54347074
17G_Supreme_Court		Mundy	R	0.45652923
17P_DA		Deni	D	0.014959123
17P_DA		Khan	D	0.14019829
17P_DA		Krasner	D	0.295877546
17P_DA		Negrin	D	0.172725692
17P_DA		ONeill	D	0.151330665
17P_DA		Shabazz	D	0.133762389
17P_DA		Untermeyer	D	0.091146283
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	0.801811397
18G_Congress_Dist5		Kim	R	0.198188618
18G_Governor	57.77%	Wolf	D	0.701625705
18G_Governor	40.70%	Wagner	R	0.298374295
18G_US_Senator		Casey	D	0.687111139
18G_US_Senator		Barletta	R	0.312888861
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.007401448
18P_Congress_Dist5		Davidson	D	0.029927595
18P_Congress_Dist5		Kirkland	D	0.036363635
18P_Congress_Dist5		Lazer	D	0.358165741
18P_Congress_Dist5		Li	D	0.137892202
18P_Congress_Dist5		Lunkenheimer	D	0.066613033
18P_Congress_Dist5		Scanlon	D	0.075784393

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.132904261
18P_Congress_Dist5		Vitali	D	0.047144007
18P_Congress_Dist5		Wright	D	0.107803702
18P_Lt_Governor	23.78%	Ahmad	D	0.360579103
18P_Lt_Governor	18.55%	Cozzone	D	0.210780308
18P_Lt_Governor	37.48%	Fetterman	D	0.204435021
18P_Lt_Governor	3.58%	Sosa	D	0.034114249
18P_Lt_Governor	16.62%	Stack	D	0.190091342
19P_Mayor		Butkovitz	D	0.11014837
19P_Mayor		Kenney	D	0.54848665
19P_Mayor		Williams	D	0.34136498
19P_Municipal_Judge		Brunson	D	0.389270306
19P_Municipal_Judge		Conroy	D	0.610729694
19P_Register_Wills		Donatucci	D	0.585021555
19P_Register_Wills		Gordon	D	0.325578362
19P_Register_Wills		Whaumbush	D	0.089400075
20G_AG		Shapiro	D	0.64736706
20G_AG		Heidelbaugh	R	0.35263294
20G_Auditor	46.35%	Ahmad	D	0.620308042
20G_Auditor	49.44%	Defoor	R	0.379691929
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.659749985
20G_President	48.84%	Trump	R	0.340250015
20G_Treasurer		Torsella	D	0.632268131
20G_Treasurer		Garrity	R	0.367731869
20P_Auditor	36.44%	Ahmad	D	0.679506063
20P_Auditor	7.47%	Conklin	D	0.03718815
20P_Auditor	5.99%	Davis	D	0.04151988
20P_Auditor	9.00%	Fountain	D	0.069792941
20P_Auditor	13.97%	Hartman	D	0.104644477
20P_Auditor	27.14%	Lamb	D	0.06734848
20P_President	79.26%	Biden	D	0.831388056
20P_President	2.70%	Gabbard	D	0.012043136
20P_President	18.04%	Sanders	D	0.15656884
21G_Superior_Judge		Lane	D	0.662119508
21G_Superior_Judge		Sullivan	R	0.337880492
21P_DA		Krasner	D	0.525178909
21P_DA		Vega	D	0.474821091
21P_Superior_Judge		Beck	D	0.155893534
21P_Superior_Judge		Lane	D	0.801289499
21P_Superior_Judge		Neft	D	0.042816993

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.535743773
12G_AG	41.56%	Freed	R	0.464256227
12G_Auditor		Depasquale	D	0.466101289
12G_Auditor		Maher	R	0.533898711
12G_President		Obama	D	0.51510489
12G_President		Romney	R	0.48489511
12G_Treasurer		McCord	D	0.501693785
12G_Treasurer		Vaughan	R	0.498306245
12G_US_Senate	53.69%	Casey	D	0.529267728
12G_US_Senate	44.59%	Smith	R	0.470732301
12P_AG	52.82%	Kane	D	0.448894411
12P_AG	47.18%	Murphy	D	0.551105618
12P_US_Senate	80.88%	Casey	D	0.856895328
12P_US_Senate	19.12%	Vodvarka	D	0.143104687
14G_Governor	54.93%	Wolf	D	0.525784612
14G_Governor	45.07%	Corbett	R	0.474215418
14P_Governor	16.84%	McCord	D	0.187813044
14P_Governor	7.66%	McGinty	D	0.088006638
14P_Governor	17.64%	Schwartz	D	0.178072095
14P_Governor	57.86%	Wolf	D	0.546108246
14P_Lt_Governor	15.88%	Critz	D	0.040811416
14P_Lt_Governor	11.91%	Koplinski	D	0.201203376
14P_Lt_Governor	10.84%	Neuman	D	0.052432526
14P_Lt_Governor	14.57%	Smith	D	0.154340729
14P_Lt_Governor	46.79%	Stack	D	0.551211953
16G_AG	51.39%	Shapiro	D	0.510370135
16G_AG	48.61%	Rafferty	R	0.489629894
16G_Auditor		Depasquale	D	0.491258115
16G_Auditor		Brown	R	0.508741856
16G_President	47.85%	Clinton	D	0.546117604
16G_President	48.58%	Trump	R	0.453882366
16G_Treasurer		Torsella	D	0.521318078
16G_Treasurer		Voit	R	0.478681922
16G_US_Senate	47.34%	McGinty	D	0.49700588
16G_US_Senate	48.77%	Toomey	R	0.50299412
16P_AG	16.22%	Morganelli	D	0.126973227
16P_AG	47.03%	Shapiro	D	0.652204394
16P_AG	36.74%	Zappala	D	0.220822394
16P_President	55.61%	Clinton	D	0.542837381
16P_President	0.86%	DeLaFuente	D	0.004725383
16P_President	43.53%	Sanders	D	0.452437192
16P_US_Senate	19.49%	Fetterman	D	0.078240111
16P_US_Senate	42.50%	McGinty	D	0.476897597
16P_US_Senate	32.57%	Sestak	D	0.426598549
16P_US_Senate	5.45%	Vodvarka	D	0.018263727

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.491330504
17G_Supreme_Court		Mundy	R	0.508669496
18G_Governor	57.77%	Wolf	D	0.619193077
18G_Governor	40.70%	Wagner	R	0.380806953
18G_US_Senator		Casey	D	0.599517941
18G_US_Senator		Barletta	R	0.400482029
18P_Lt_Governor	23.78%	Ahmad	D	0.189661145
18P_Lt_Governor	18.55%	Cozzone	D	0.557776749
18P_Lt_Governor	37.48%	Fetterman	D	0.151542574
18P_Lt_Governor	3.58%	Sosa	D	0.017941277
18P_Lt_Governor	16.62%	Stack	D	0.083078235
20G_AG		Shapiro	D	0.555443287
20G_AG		Heidelbaugh	R	0.444556743
20G_Auditor	46.35%	Ahmad	D	0.525478065
20G_Auditor	49.44%	Defoor	R	0.474521935
20G_President	50.01%	Biden	D	0.574185908
20G_President	48.84%	Trump	R	0.425814092
20G_Treasurer		Torsella	D	0.5395028
20G_Treasurer		Garrity	R	0.460497171
20P_Auditor	36.44%	Ahmad	D	0.382721186
20P_Auditor	7.47%	Conklin	D	0.040474456
20P_Auditor	5.99%	Davis	D	0.035445496
20P_Auditor	9.00%	Fountain	D	0.068786919
20P_Auditor	13.97%	Hartman	D	0.409530759
20P_Auditor	27.14%	Lamb	D	0.063041188
20P_President	79.26%	Biden	D	0.814049959
20P_President	2.70%	Gabbard	D	0.016074495
20P_President	18.04%	Sanders	D	0.169875517

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.569034278
12G_AG	41.56%	Freed	R	0.430965751
12G_Auditor		Depasquale	D	0.514294565
12G_Auditor		Maher	R	0.485705405
12G_President		Obama	D	0.53591603
12G_President		Romney	R	0.46408397
12G_Treasurer		McCord	D	0.543435872
12G_Treasurer		Vaughan	R	0.456564099
12G_US_Senate	53.69%	Casey	D	0.547753155
12G_US_Senate	44.59%	Smith	R	0.452246845
12P_AG	52.82%	Kane	D	0.495725274
12P_AG	47.18%	Murphy	D	0.504274726
12P_US_Senate	80.88%	Casey	D	0.820577204
12P_US_Senate	19.12%	Vodvarka	D	0.179422796
14G_Governor	54.93%	Wolf	D	0.552193701
14G_Governor	45.07%	Corbett	R	0.447806269
14P_Governor	16.84%	McCord	D	0.155755863
14P_Governor	7.66%	McGinty	D	0.06196095
14P_Governor	17.64%	Schwartz	D	0.150185674
14P_Governor	57.86%	Wolf	D	0.632097483
14P_Lt_Governor	15.88%	Critz	D	0.055063382
14P_Lt_Governor	11.91%	Koplinski	D	0.155322671
14P_Lt_Governor	10.84%	Neuman	D	0.073357821
14P_Lt_Governor	14.57%	Smith	D	0.226015553
14P_Lt_Governor	46.79%	Stack	D	0.490240574
16G_AG	51.39%	Shapiro	D	0.525504708
16G_AG	48.61%	Rafferty	R	0.474495292
16G_Auditor		Depasquale	D	0.502782226
16G_Auditor		Brown	R	0.497217774
16G_President	47.85%	Clinton	D	0.50522244
16G_President	48.58%	Trump	R	0.49477753
16G_Treasurer		Torsella	D	0.535820425
16G_Treasurer		Voit	R	0.464179575
16G_US_Senate	47.34%	McGinty	D	0.492937803
16G_US_Senate	48.77%	Toomey	R	0.507062197
16P_AG	16.22%	Morganelli	D	0.667220354
16P_AG	47.03%	Shapiro	D	0.246493176
16P_AG	36.74%	Zappala	D	0.086286455
16P_President	55.61%	Clinton	D	0.518052995
16P_President	0.86%	DeLaFuente	D	0.007481085
16P_President	43.53%	Sanders	D	0.474465936
16P_US_Senate	19.49%	Fetterman	D	0.109771982
16P_US_Senate	42.50%	McGinty	D	0.418651015
16P_US_Senate	32.57%	Sestak	D	0.431699812
16P_US_Senate	5.45%	Vodvarka	D	0.039877217

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.48302263
17G_Supreme_Court		Mundy	R	0.51697737
18G_Governor	57.77%	Wolf	D	0.597679317
18G_Governor	40.70%	Wagner	R	0.402320683
18G_US_Senator		Casey	D	0.569873333
18G_US_Senator		Barletta	R	0.430126637
18P_Lt_Governor	23.78%	Ahmad	D	0.297182232
18P_Lt_Governor	18.55%	Cozzone	D	0.238021404
18P_Lt_Governor	37.48%	Fetterman	D	0.186612532
18P_Lt_Governor	3.58%	Sosa	D	0.063344404
18P_Lt_Governor	16.62%	Stack	D	0.214839429
20G_AG		Shapiro	D	0.534298062
20G_AG		Heidelbaugh	R	0.465701908
20G_Auditor	46.35%	Ahmad	D	0.505537689
20G_Auditor	49.44%	Defoor	R	0.494462311
20G_President	50.01%	Biden	D	0.523919225
20G_President	48.84%	Trump	R	0.476080775
20G_Treasurer		Torsella	D	0.516416669
20G_Treasurer		Garrity	R	0.483583301
20P_Auditor	36.44%	Ahmad	D	0.329560757
20P_Auditor	7.47%	Conklin	D	0.079385802
20P_Auditor	5.99%	Davis	D	0.208470151
20P_Auditor	9.00%	Fountain	D	0.097311191
20P_Auditor	13.97%	Hartman	D	0.16445066
20P_Auditor	27.14%	Lamb	D	0.120821446
20P_President	79.26%	Biden	D	0.790176213
20P_President	2.70%	Gabbard	D	0.024011843
20P_President	18.04%	Sanders	D	0.185811952

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.632393539
12G_AG	41.56%	Freed	R	0.367606461
12G_Auditor		Depasquale	D	0.556975424
12G_Auditor		Maher	R	0.443024576
12G_President		Obama	D	0.551639795
12G_President		Romney	R	0.448360205
12G_Treasurer		McCord	D	0.590635121
12G_Treasurer		Vaughan	R	0.409364879
12G_US_Senate	53.69%	Casey	D	0.580365121
12G_US_Senate	44.59%	Smith	R	0.419634849
12P_AG	52.82%	Kane	D	0.767907023
12P_AG	47.18%	Murphy	D	0.232093006
12P_US_Senate	80.88%	Casey	D	0.90342778
12P_US_Senate	19.12%	Vodvarka	D	0.096572243
14G_Governor	54.93%	Wolf	D	0.59039849
14G_Governor	45.07%	Corbett	R	0.409601539
14P_Governor	16.84%	McCord	D	0.209404498
14P_Governor	7.66%	McGinty	D	0.087333933
14P_Governor	17.64%	Schwartz	D	0.062035114
14P_Governor	57.86%	Wolf	D	0.64122647
14P_Lt_Governor	15.88%	Critz	D	0.038975202
14P_Lt_Governor	11.91%	Koplinski	D	0.11215204
14P_Lt_Governor	10.84%	Neuman	D	0.074231669
14P_Lt_Governor	14.57%	Smith	D	0.340443045
14P_Lt_Governor	46.79%	Stack	D	0.434198052
16G_AG	51.39%	Shapiro	D	0.516308308
16G_AG	48.61%	Rafferty	R	0.483691692
16G_Auditor		Depasquale	D	0.535801828
16G_Auditor		Brown	R	0.464198202
16G_President	47.85%	Clinton	D	0.437780142
16G_President	48.58%	Trump	R	0.562219858
16G_Treasurer		Torsella	D	0.546170115
16G_Treasurer		Voit	R	0.453829914
16G_US_Senate	47.34%	McGinty	D	0.48599565
16G_US_Senate	48.77%	Toomey	R	0.51400435
16P_AG	16.22%	Morganelli	D	0.327421516
16P_AG	47.03%	Shapiro	D	0.413291991
16P_AG	36.74%	Zappala	D	0.259286493
16P_President	55.61%	Clinton	D	0.538081348
16P_President	0.86%	DeLaFuente	D	0.010363592
16P_President	43.53%	Sanders	D	0.451555043
16P_US_Senate	19.49%	Fetterman	D	0.086532317
16P_US_Senate	42.50%	McGinty	D	0.498956144
16P_US_Senate	32.57%	Sestak	D	0.381769001
16P_US_Senate	5.45%	Vodvarka	D	0.032742534

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.420540869
17G_Supreme_Court		Mundy	R	0.579459131
18G_Governor	57.77%	Wolf	D	0.555550516
18G_Governor	40.70%	Wagner	R	0.444449514
18G_US_Senator		Casey	D	0.512059689
18G_US_Senator		Barletta	R	0.487940311
18P_Lt_Governor	23.78%	Ahmad	D	0.257904947
18P_Lt_Governor	18.55%	Cozzone	D	0.171996117
18P_Lt_Governor	37.48%	Fetterman	D	0.205247864
18P_Lt_Governor	3.58%	Sosa	D	0.035291716
18P_Lt_Governor	16.62%	Stack	D	0.329559356
20G_AG		Shapiro	D	0.516043186
20G_AG		Heidelbaugh	R	0.483956814
20G_Auditor	46.35%	Ahmad	D	0.46843341
20G_Auditor	49.44%	Defoor	R	0.53156656
20G_President	50.01%	Biden	D	0.463787854
20G_President	48.84%	Trump	R	0.536212146
20G_Treasurer		Torsella	D	0.47925505
20G_Treasurer		Garrity	R	0.52074492
20P_Auditor	36.44%	Ahmad	D	0.228639439
20P_Auditor	7.47%	Conklin	D	0.078549847
20P_Auditor	5.99%	Davis	D	0.291638881
20P_Auditor	9.00%	Fountain	D	0.080812439
20P_Auditor	13.97%	Hartman	D	0.155726448
20P_Auditor	27.14%	Lamb	D	0.164632946
20P_President	79.26%	Biden	D	0.807758331
20P_President	2.70%	Gabbard	D	0.036816739
20P_President	18.04%	Sanders	D	0.155424938

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.458277404
12G_AG	41.56%	Freed	R	0.541722596
12G_Auditor		Depasquale	D	0.373603374
12G_Auditor		Maher	R	0.626396596
12G_President		Obama	D	0.38418892
12G_President		Romney	R	0.61581111
12G_Treasurer		McCord	D	0.406871229
12G_Treasurer		Vaughan	R	0.593128741
12G_US_Senate	53.69%	Casey	D	0.395827711
12G_US_Senate	44.59%	Smith	R	0.604172289
12P_AG	52.82%	Kane	D	0.708397806
12P_AG	47.18%	Murphy	D	0.291602165
12P_US_Senate	80.88%	Casey	D	0.874096692
12P_US_Senate	19.12%	Vodvarka	D	0.125903308
14G_Governor	54.93%	Wolf	D	0.426980972
14G_Governor	45.07%	Corbett	R	0.573019028
14P_Governor	16.84%	McCord	D	0.191938579
14P_Governor	7.66%	McGinty	D	0.104703888
14P_Governor	17.64%	Schwartz	D	0.078082837
14P_Governor	57.86%	Wolf	D	0.625274718
14P_Lt_Governor	15.88%	Critz	D	0.049523465
14P_Lt_Governor	11.91%	Koplinski	D	0.206870556
14P_Lt_Governor	10.84%	Neuman	D	0.046205815
14P_Lt_Governor	14.57%	Smith	D	0.39202559
14P_Lt_Governor	46.79%	Stack	D	0.305374593
16G_AG	51.39%	Shapiro	D	0.340147167
16G_AG	48.61%	Rafferty	R	0.659852862
16G_Auditor		Depasquale	D	0.346650064
16G_Auditor		Brown	R	0.653349936
16G_President	47.85%	Clinton	D	0.282401413
16G_President	48.58%	Trump	R	0.717598557
16G_Treasurer		Torsella	D	0.372752219
16G_Treasurer		Voit	R	0.62724781
16G_US_Senate	47.34%	McGinty	D	0.321737289
16G_US_Senate	48.77%	Toomey	R	0.678262711
16P_AG	16.22%	Morganelli	D	0.325262278
16P_AG	47.03%	Shapiro	D	0.467327863
16P_AG	36.74%	Zappala	D	0.207409859
16P_President	55.61%	Clinton	D	0.478353232
16P_President	0.86%	DeLaFuente	D	0.01347451
16P_President	43.53%	Sanders	D	0.508172274
16P_US_Senate	19.49%	Fetterman	D	0.12848933
16P_US_Senate	42.50%	McGinty	D	0.492051274
16P_US_Senate	32.57%	Sestak	D	0.344504654
16P_US_Senate	5.45%	Vodvarka	D	0.03495473

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.279518425
17G_Supreme_Court		Mundy	R	0.720481575
18G_Governor	57.77%	Wolf	D	0.396458179
18G_Governor	40.70%	Wagner	R	0.603541791
18G_US_Senator		Casey	D	0.358008504
18G_US_Senator		Barletta	R	0.641991496
18P_Lt_Governor	23.78%	Ahmad	D	0.234396815
18P_Lt_Governor	18.55%	Cozzone	D	0.199246019
18P_Lt_Governor	37.48%	Fetterman	D	0.278623283
18P_Lt_Governor	3.58%	Sosa	D	0.042062271
18P_Lt_Governor	16.62%	Stack	D	0.2456716
20G_AG		Shapiro	D	0.335707009
20G_AG		Heidelbaugh	R	0.664292991
20G_Auditor	46.35%	Ahmad	D	0.288247555
20G_Auditor	49.44%	Defoor	R	0.711752474
20G_President	50.01%	Biden	D	0.30088374
20G_President	48.84%	Trump	R	0.69911623
20G_Treasurer		Torsella	D	0.298350006
20G_Treasurer		Garrity	R	0.701650023
20P_Auditor	36.44%	Ahmad	D	0.189306006
20P_Auditor	7.47%	Conklin	D	0.200193465
20P_Auditor	5.99%	Davis	D	0.098604597
20P_Auditor	9.00%	Fountain	D	0.170041978
20P_Auditor	13.97%	Hartman	D	0.194574788
20P_Auditor	27.14%	Lamb	D	0.147279158
20P_President	79.26%	Biden	D	0.765227139
20P_President	2.70%	Gabbard	D	0.047957014
20P_President	18.04%	Sanders	D	0.186815828

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.491071641
12G_AG	41.56%	Freed	R	0.508928359
12G_Auditor		Depasquale	D	0.451277763
12G_Auditor		Maher	R	0.548722267
12G_President		Obama	D	0.444868505
12G_President		Romney	R	0.555131495
12G_Treasurer		McCord	D	0.456971884
12G_Treasurer		Vaughan	R	0.543028116
12G_US_Senate	53.69%	Casey	D	0.461461067
12G_US_Senate	44.59%	Smith	R	0.538538933
12P_AG	52.82%	Kane	D	0.649933338
12P_AG	47.18%	Murphy	D	0.350066662
12P_US_Senate	80.88%	Casey	D	0.846778512
12P_US_Senate	19.12%	Vodvarka	D	0.153221518
14G_Governor	54.93%	Wolf	D	0.460276693
14G_Governor	45.07%	Corbett	R	0.539723277
14P_Governor	16.84%	McCord	D	0.07761097
14P_Governor	7.66%	McGinty	D	0.062748231
14P_Governor	17.64%	Schwartz	D	0.049084507
14P_Governor	57.86%	Wolf	D	0.810556293
14P_Lt_Governor	15.88%	Critz	D	0.048881851
14P_Lt_Governor	11.91%	Koplinski	D	0.462214798
14P_Lt_Governor	10.84%	Neuman	D	0.051595941
14P_Lt_Governor	14.57%	Smith	D	0.106556222
14P_Lt_Governor	46.79%	Stack	D	0.330751181
16G_AG	51.39%	Shapiro	D	0.414216638
16G_AG	48.61%	Rafferty	R	0.585783362
16G_Auditor		Depasquale	D	0.472740024
16G_Auditor		Brown	R	0.527259946
16G_President	47.85%	Clinton	D	0.410536677
16G_President	48.58%	Trump	R	0.589463294
16G_Treasurer		Torsella	D	0.427539676
16G_Treasurer		Voit	R	0.572460353
16G_US_Senate	47.34%	McGinty	D	0.408194095
16G_US_Senate	48.77%	Toomey	R	0.591805875
16P_AG	16.22%	Morganelli	D	0.181111023
16P_AG	47.03%	Shapiro	D	0.578345597
16P_AG	36.74%	Zappala	D	0.24054338
16P_President	55.61%	Clinton	D	0.533908129
16P_President	0.86%	DeLaFuente	D	0.0090355
16P_President	43.53%	Sanders	D	0.457056403
16P_US_Senate	19.49%	Fetterman	D	0.153656587
16P_US_Senate	42.50%	McGinty	D	0.521491945
16P_US_Senate	32.57%	Sestak	D	0.289653927
16P_US_Senate	5.45%	Vodvarka	D	0.035197534

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.348663598
17G_Supreme_Court		Mundy	R	0.651336432
18G_Governor	57.77%	Wolf	D	0.508586287
18G_Governor	40.70%	Wagner	R	0.491413742
18G_US_Senator		Casey	D	0.473183185
18G_US_Senator		Barletta	R	0.526816785
18P_Lt_Governor	23.78%	Ahmad	D	0.36259228
18P_Lt_Governor	18.55%	Cozzone	D	0.173305377
18P_Lt_Governor	37.48%	Fetterman	D	0.33895421
18P_Lt_Governor	3.58%	Sosa	D	0.030535046
18P_Lt_Governor	16.62%	Stack	D	0.094613068
20G_AG		Shapiro	D	0.439495981
20G_AG		Heidelbaugh	R	0.560504019
20G_Auditor	46.35%	Ahmad	D	0.401711702
20G_Auditor	49.44%	Defoor	R	0.598288298
20G_President	50.01%	Biden	D	0.435727894
20G_President	48.84%	Trump	R	0.564272106
20G_Treasurer		Torsella	D	0.412785739
20G_Treasurer		Garrity	R	0.587214231
20P_Auditor	36.44%	Ahmad	D	0.173366159
20P_Auditor	7.47%	Conklin	D	0.075545616
20P_Auditor	5.99%	Davis	D	0.036774639
20P_Auditor	9.00%	Fountain	D	0.393368542
20P_Auditor	13.97%	Hartman	D	0.240896404
20P_Auditor	27.14%	Lamb	D	0.080048636
20P_President	79.26%	Biden	D	0.80127275
20P_President	2.70%	Gabbard	D	0.025899755
20P_President	18.04%	Sanders	D	0.172827467

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.44000867
12G_AG	41.56%	Freed	R	0.5599913
12G_Auditor		Depasquale	D	0.36079815
12G_Auditor		Maher	R	0.63920188
12G_President		Obama	D	0.392681092
12G_President		Romney	R	0.607318878
12G_Treasurer		McCord	D	0.390782893
12G_Treasurer		Vaughan	R	0.609217107
12G_US_Senate	53.69%	Casey	D	0.406179845
12G_US_Senate	44.59%	Smith	R	0.593820155
12P_AG	52.82%	Kane	D	0.565847099
12P_AG	47.18%	Murphy	D	0.434152901
12P_US_Senate	80.88%	Casey	D	0.856104493
12P_US_Senate	19.12%	Vodvarka	D	0.143895522
14G_Governor	54.93%	Wolf	D	0.405100644
14G_Governor	45.07%	Corbett	R	0.594899356
14P_Governor	16.84%	McCord	D	0.11351788
14P_Governor	7.66%	McGinty	D	0.080945648
14P_Governor	17.64%	Schwartz	D	0.10442514
14P_Governor	57.86%	Wolf	D	0.701111317
14P_Lt_Governor	15.88%	Critz	D	0.059111752
14P_Lt_Governor	11.91%	Koplinski	D	0.348107517
14P_Lt_Governor	10.84%	Neuman	D	0.053492762
14P_Lt_Governor	14.57%	Smith	D	0.123482876
14P_Lt_Governor	46.79%	Stack	D	0.415805101
16G_AG	51.39%	Shapiro	D	0.374061942
16G_AG	48.61%	Rafferty	R	0.625938058
16G_Auditor		Depasquale	D	0.388747096
16G_Auditor		Brown	R	0.611252904
16G_President	47.85%	Clinton	D	0.374766737
16G_President	48.58%	Trump	R	0.625233233
16G_Treasurer		Torsella	D	0.382346898
16G_Treasurer		Voit	R	0.617653131
16G_US_Senate	47.34%	McGinty	D	0.369951427
16G_US_Senate	48.77%	Toomey	R	0.630048573
16P_AG	16.22%	Morganelli	D	0.191424608
16P_AG	47.03%	Shapiro	D	0.582740009
16P_AG	36.74%	Zappala	D	0.225835398
16P_President	55.61%	Clinton	D	0.482607096
16P_President	0.86%	DeLaFuente	D	0.00660913
16P_President	43.53%	Sanders	D	0.510783792
16P_US_Senate	19.49%	Fetterman	D	0.151373118
16P_US_Senate	42.50%	McGinty	D	0.518216789
16P_US_Senate	32.57%	Sestak	D	0.320578545
16P_US_Senate	5.45%	Vodvarka	D	0.009831564

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.326945692
17G_Supreme_Court		Mundy	R	0.673054338
18G_Governor	57.77%	Wolf	D	0.467253506
18G_Governor	40.70%	Wagner	R	0.532746494
18G_US_Senator		Casey	D	0.438697696
18G_US_Senator		Barletta	R	0.561302304
18P_Lt_Governor	23.78%	Ahmad	D	0.37205559
18P_Lt_Governor	18.55%	Cozzone	D	0.238815457
18P_Lt_Governor	37.48%	Fetterman	D	0.272877485
18P_Lt_Governor	3.58%	Sosa	D	0.028935773
18P_Lt_Governor	16.62%	Stack	D	0.087315708
20G_AG		Shapiro	D	0.391685456
20G_AG		Heidelbaugh	R	0.608314514
20G_Auditor	46.35%	Ahmad	D	0.363808781
20G_Auditor	49.44%	Defoor	R	0.636191249
20G_President	50.01%	Biden	D	0.397249401
20G_President	48.84%	Trump	R	0.602750599
20G_Treasurer		Torsella	D	0.36829266
20G_Treasurer		Garrity	R	0.631707311
20P_Auditor	36.44%	Ahmad	D	0.135740548
20P_Auditor	7.47%	Conklin	D	0.034680326
20P_Auditor	5.99%	Davis	D	0.023007175
20P_Auditor	9.00%	Fountain	D	0.096705101
20P_Auditor	13.97%	Hartman	D	0.664673567
20P_Auditor	27.14%	Lamb	D	0.045193303
20P_President	79.26%	Biden	D	0.765192091
20P_President	2.70%	Gabbard	D	0.026277702
20P_President	18.04%	Sanders	D	0.208530232

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.403977692
12G_AG	41.56%	Freed	R	0.596022308
12G_Auditor		Depasquale	D	0.325365365
12G_Auditor		Maher	R	0.674634635
12G_President		Obama	D	0.339188606
12G_President		Romney	R	0.660811365
12G_Treasurer		McCord	D	0.3667503
12G_Treasurer		Vaughan	R	0.6332497
12G_US_Senate	53.69%	Casey	D	0.365264952
12G_US_Senate	44.59%	Smith	R	0.634735048
12P_AG	52.82%	Kane	D	0.63665992
12P_AG	47.18%	Murphy	D	0.36334008
12P_US_Senate	80.88%	Casey	D	0.824787438
12P_US_Senate	19.12%	Vodvarka	D	0.175212532
14G_Governor	54.93%	Wolf	D	0.387772679
14G_Governor	45.07%	Corbett	R	0.612227321
14P_Governor	16.84%	McCord	D	0.140362978
14P_Governor	7.66%	McGinty	D	0.104128137
14P_Governor	17.64%	Schwartz	D	0.072281606
14P_Governor	57.86%	Wolf	D	0.683227301
14P_Lt_Governor	15.88%	Critz	D	0.321402341
14P_Lt_Governor	11.91%	Koplinski	D	0.276627719
14P_Lt_Governor	10.84%	Neuman	D	0.059098497
14P_Lt_Governor	14.57%	Smith	D	0.11248748
14P_Lt_Governor	46.79%	Stack	D	0.230383977
16G_AG	51.39%	Shapiro	D	0.324592501
16G_AG	48.61%	Rafferty	R	0.675407469
16G_Auditor		Depasquale	D	0.350087345
16G_Auditor		Brown	R	0.649912655
16G_President	47.85%	Clinton	D	0.297386706
16G_President	48.58%	Trump	R	0.702613294
16G_Treasurer		Torsella	D	0.337617785
16G_Treasurer		Voit	R	0.662382245
16G_US_Senate	47.34%	McGinty	D	0.306604624
16G_US_Senate	48.77%	Toomey	R	0.693395376
16P_AG	16.22%	Morganelli	D	0.219215825
16P_AG	47.03%	Shapiro	D	0.491954863
16P_AG	36.74%	Zappala	D	0.288829297
16P_President	55.61%	Clinton	D	0.496058643
16P_President	0.86%	DeLaFuente	D	0.012152538
16P_President	43.53%	Sanders	D	0.491788834
16P_US_Senate	19.49%	Fetterman	D	0.158400133
16P_US_Senate	42.50%	McGinty	D	0.488410592
16P_US_Senate	32.57%	Sestak	D	0.311275721
16P_US_Senate	5.45%	Vodvarka	D	0.041913558

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.288518995
17G_Supreme_Court		Mundy	R	0.711480975
18G_Governor	57.77%	Wolf	D	0.397891819
18G_Governor	40.70%	Wagner	R	0.602108181
18G_US_Senator		Casey	D	0.373695344
18G_US_Senator		Barletta	R	0.626304686
18P_Lt_Governor	23.78%	Ahmad	D	0.276970208
18P_Lt_Governor	18.55%	Cozzone	D	0.22188969
18P_Lt_Governor	37.48%	Fetterman	D	0.38709563
18P_Lt_Governor	3.58%	Sosa	D	0.033917628
18P_Lt_Governor	16.62%	Stack	D	0.080126837
20G_AG		Shapiro	D	0.326045483
20G_AG		Heidelbaugh	R	0.673954546
20G_Auditor	46.35%	Ahmad	D	0.289722353
20G_Auditor	49.44%	Defoor	R	0.710277617
20G_President	50.01%	Biden	D	0.320968747
20G_President	48.84%	Trump	R	0.679031253
20G_Treasurer		Torsella	D	0.304336458
20G_Treasurer		Garrity	R	0.695663571
20P_Auditor	36.44%	Ahmad	D	0.160868108
20P_Auditor	7.47%	Conklin	D	0.24337174
20P_Auditor	5.99%	Davis	D	0.045363016
20P_Auditor	9.00%	Fountain	D	0.257206261
20P_Auditor	13.97%	Hartman	D	0.155498371
20P_Auditor	27.14%	Lamb	D	0.137692511
20P_President	79.26%	Biden	D	0.776321352
20P_President	2.70%	Gabbard	D	0.036618587
20P_President	18.04%	Sanders	D	0.187060088

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.51545763
12G_AG	41.56%	Freed	R	0.48454237
12G_Auditor		Depasquale	D	0.446186095
12G_Auditor		Maher	R	0.553813875
12G_President		Obama	D	0.400463134
12G_President		Romney	R	0.599536896
12G_Treasurer		McCord	D	0.460853904
12G_Treasurer		Vaughan	R	0.539146125
12G_US_Senate	53.69%	Casey	D	0.446674854
12G_US_Senate	44.59%	Smith	R	0.553325176
12P_AG	52.82%	Kane	D	0.582947075
12P_AG	47.18%	Murphy	D	0.417052925
12P_US_Senate	80.88%	Casey	D	0.739787459
12P_US_Senate	19.12%	Vodvarka	D	0.260212541
14G_Governor	54.93%	Wolf	D	0.468605757
14G_Governor	45.07%	Corbett	R	0.531394243
14P_Governor	16.84%	McCord	D	0.186906576
14P_Governor	7.66%	McGinty	D	0.107379988
14P_Governor	17.64%	Schwartz	D	0.07064604
14P_Governor	57.86%	Wolf	D	0.635067403
14P_Lt_Governor	15.88%	Critz	D	0.380749434
14P_Lt_Governor	11.91%	Koplinski	D	0.028758034
14P_Lt_Governor	10.84%	Neuman	D	0.338790417
14P_Lt_Governor	14.57%	Smith	D	0.061656531
14P_Lt_Governor	46.79%	Stack	D	0.190045565
16G_AG	51.39%	Shapiro	D	0.416502476
16G_AG	48.61%	Rafferty	R	0.583497524
16G_Auditor		Depasquale	D	0.466038615
16G_Auditor		Brown	R	0.533961415
16G_President	47.85%	Clinton	D	0.339362442
16G_President	48.58%	Trump	R	0.660637558
16G_Treasurer		Torsella	D	0.454067528
16G_Treasurer		Voit	R	0.545932472
16G_US_Senate	47.34%	McGinty	D	0.378040552
16G_US_Senate	48.77%	Toomey	R	0.621959448
16P_AG	16.22%	Morganelli	D	0.073933318
16P_AG	47.03%	Shapiro	D	0.218629658
16P_AG	36.74%	Zappala	D	0.707437038
16P_President	55.61%	Clinton	D	0.554099977
16P_President	0.86%	DeLaFuente	D	0.017899442
16P_President	43.53%	Sanders	D	0.428000569
16P_US_Senate	19.49%	Fetterman	D	0.309786826
16P_US_Senate	42.50%	McGinty	D	0.41942665
16P_US_Senate	32.57%	Sestak	D	0.232752278
16P_US_Senate	5.45%	Vodvarka	D	0.038034234

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.418168724
17G_Supreme_Court		Mundy	R	0.581831276
18G_Governor	57.77%	Wolf	D	0.47335431
18G_Governor	40.70%	Wagner	R	0.52664572
18G_US_Senator		Casey	D	0.457410932
18G_US_Senator		Barletta	R	0.542589068
18P_Lt_Governor	23.78%	Ahmad	D	0.10452535
18P_Lt_Governor	18.55%	Cozzone	D	0.125477657
18P_Lt_Governor	37.48%	Fetterman	D	0.708213449
18P_Lt_Governor	3.58%	Sosa	D	0.018333262
18P_Lt_Governor	16.62%	Stack	D	0.043450259
20G_AG		Shapiro	D	0.413530022
20G_AG		Heidelbaugh	R	0.586469948
20G_Auditor	46.35%	Ahmad	D	0.349482447
20G_Auditor	49.44%	Defoor	R	0.650517583
20G_President	50.01%	Biden	D	0.350177497
20G_President	48.84%	Trump	R	0.649822474
20G_Treasurer		Torsella	D	0.365905046
20G_Treasurer		Garrity	R	0.634094954
20P_Auditor	36.44%	Ahmad	D	0.095525928
20P_Auditor	7.47%	Conklin	D	0.04521222
20P_Auditor	5.99%	Davis	D	0.022545666
20P_Auditor	9.00%	Fountain	D	0.031406779
20P_Auditor	13.97%	Hartman	D	0.057409849
20P_Auditor	27.14%	Lamb	D	0.747899592
20P_President	79.26%	Biden	D	0.79242754
20P_President	2.70%	Gabbard	D	0.055243552
20P_President	18.04%	Sanders	D	0.152328879

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.510120392
12G_AG	41.56%	Freed	R	0.489879608
12G_Auditor		Depasquale	D	0.412933111
12G_Auditor		Maher	R	0.587066889
12G_President		Obama	D	0.399261832
12G_President		Romney	R	0.600738168
12G_Treasurer		McCord	D	0.451328009
12G_Treasurer		Vaughan	R	0.54867202
12G_US_Senate	53.69%	Casey	D	0.424577266
12G_US_Senate	44.59%	Smith	R	0.575422764
12P_AG	52.82%	Kane	D	0.616877377
12P_AG	47.18%	Murphy	D	0.383122653
12P_US_Senate	80.88%	Casey	D	0.808515668
12P_US_Senate	19.12%	Vodvarka	D	0.191484317
14G_Governor	54.93%	Wolf	D	0.481631845
14G_Governor	45.07%	Corbett	R	0.518368185
14P_Governor	16.84%	McCord	D	0.221198067
14P_Governor	7.66%	McGinty	D	0.112279616
14P_Governor	17.64%	Schwartz	D	0.073306523
14P_Governor	57.86%	Wolf	D	0.593215823
14P_Lt_Governor	15.88%	Critz	D	0.573311985
14P_Lt_Governor	11.91%	Koplinski	D	0.093559429
14P_Lt_Governor	10.84%	Neuman	D	0.051507041
14P_Lt_Governor	14.57%	Smith	D	0.159610406
14P_Lt_Governor	46.79%	Stack	D	0.122011147
16G_AG	51.39%	Shapiro	D	0.391651779
16G_AG	48.61%	Rafferty	R	0.608348191
16G_Auditor		Depasquale	D	0.407501161
16G_Auditor		Brown	R	0.592498839
16G_President	47.85%	Clinton	D	0.3277466
16G_President	48.58%	Trump	R	0.67225337
16G_Treasurer		Torsella	D	0.418028444
16G_Treasurer		Voit	R	0.581971586
16G_US_Senate	47.34%	McGinty	D	0.358440667
16G_US_Senate	48.77%	Toomey	R	0.641559362
16P_AG	16.22%	Morganelli	D	0.20898886
16P_AG	47.03%	Shapiro	D	0.433433801
16P_AG	36.74%	Zappala	D	0.357577354
16P_President	55.61%	Clinton	D	0.468402267
16P_President	0.86%	DeLaFuente	D	0.018262357
16P_President	43.53%	Sanders	D	0.513335347
16P_US_Senate	19.49%	Fetterman	D	0.205269158
16P_US_Senate	42.50%	McGinty	D	0.447066367
16P_US_Senate	32.57%	Sestak	D	0.292905092
16P_US_Senate	5.45%	Vodvarka	D	0.054759379

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.369480371
17G_Supreme_Court		Mundy	R	0.630519629
18G_Governor	57.77%	Wolf	D	0.429273069
18G_Governor	40.70%	Wagner	R	0.570726931
18G_US_Senator		Casey	D	0.430376679
18G_US_Senator		Barletta	R	0.569623351
18P_Lt_Governor	23.78%	Ahmad	D	0.141333804
18P_Lt_Governor	18.55%	Cozzone	D	0.225374103
18P_Lt_Governor	37.48%	Fetterman	D	0.521238387
18P_Lt_Governor	3.58%	Sosa	D	0.036555909
18P_Lt_Governor	16.62%	Stack	D	0.075497821
20G_AG		Shapiro	D	0.35584408
20G_AG		Heidelbaugh	R	0.64415592
20G_Auditor	46.35%	Ahmad	D	0.30917874
20G_Auditor	49.44%	Defoor	R	0.69082123
20G_President	50.01%	Biden	D	0.327031106
20G_President	48.84%	Trump	R	0.672968924
20G_Treasurer		Torsella	D	0.333531648
20G_Treasurer		Garrity	R	0.666468322
20P_Auditor	36.44%	Ahmad	D	0.085628554
20P_Auditor	7.47%	Conklin	D	0.534602046
20P_Auditor	5.99%	Davis	D	0.03401769
20P_Auditor	9.00%	Fountain	D	0.053979784
20P_Auditor	13.97%	Hartman	D	0.064355657
20P_Auditor	27.14%	Lamb	D	0.227416292
20P_President	79.26%	Biden	D	0.74882257
20P_President	2.70%	Gabbard	D	0.052893326
20P_President	18.04%	Sanders	D	0.19828409

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.487008601
12G_AG	41.56%	Freed	R	0.512991369
12G_Auditor		Depasquale	D	0.417822182
12G_Auditor		Maher	R	0.582177818
12G_President		Obama	D	0.434055626
12G_President		Romney	R	0.565944374
12G_Treasurer		McCord	D	0.46089378
12G_Treasurer		Vaughan	R	0.53910619
12G_US_Senate	53.69%	Casey	D	0.439109892
12G_US_Senate	44.59%	Smith	R	0.560890138
12P_AG	52.82%	Kane	D	0.676496327
12P_AG	47.18%	Murphy	D	0.323503643
12P_US_Senate	80.88%	Casey	D	0.775545776
12P_US_Senate	19.12%	Vodvarka	D	0.224454194
14G_Governor	54.93%	Wolf	D	0.460588336
14G_Governor	45.07%	Corbett	R	0.539411664
14P_Governor	16.84%	McCord	D	0.257071346
14P_Governor	7.66%	McGinty	D	0.08665061
14P_Governor	17.64%	Schwartz	D	0.070807949
14P_Governor	57.86%	Wolf	D	0.58547008
14P_Lt_Governor	15.88%	Critz	D	0.184487402
14P_Lt_Governor	11.91%	Koplinski	D	0.09492588
14P_Lt_Governor	10.84%	Neuman	D	0.204078987
14P_Lt_Governor	14.57%	Smith	D	0.307453096
14P_Lt_Governor	46.79%	Stack	D	0.209054634
16G_AG	51.39%	Shapiro	D	0.397915214
16G_AG	48.61%	Rafferty	R	0.602084756
16G_Auditor		Depasquale	D	0.41668269
16G_Auditor		Brown	R	0.58331728
16G_President	47.85%	Clinton	D	0.361550897
16G_President	48.58%	Trump	R	0.638449132
16G_Treasurer		Torsella	D	0.433522761
16G_Treasurer		Voit	R	0.566477239
16G_US_Senate	47.34%	McGinty	D	0.371732086
16G_US_Senate	48.77%	Toomey	R	0.628267884
16P_AG	16.22%	Morganelli	D	0.166469321
16P_AG	47.03%	Shapiro	D	0.369214743
16P_AG	36.74%	Zappala	D	0.464315921
16P_President	55.61%	Clinton	D	0.515442967
16P_President	0.86%	DeLaFuente	D	0.01331247
16P_President	43.53%	Sanders	D	0.471244574
16P_US_Senate	19.49%	Fetterman	D	0.252535045
16P_US_Senate	42.50%	McGinty	D	0.373993129
16P_US_Senate	32.57%	Sestak	D	0.30868426
16P_US_Senate	5.45%	Vodvarka	D	0.064787582

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.372775555
17G_Supreme_Court		Mundy	R	0.627224445
18G_Governor	57.77%	Wolf	D	0.474435598
18G_Governor	40.70%	Wagner	R	0.525564432
18G_US_Senator		Casey	D	0.460234761
18G_US_Senator		Barletta	R	0.539765239
18P_Lt_Governor	23.78%	Ahmad	D	0.10137672
18P_Lt_Governor	18.55%	Cozzone	D	0.19441855
18P_Lt_Governor	37.48%	Fetterman	D	0.627592981
18P_Lt_Governor	3.58%	Sosa	D	0.024551967
18P_Lt_Governor	16.62%	Stack	D	0.052059755
20G_AG		Shapiro	D	0.408987463
20G_AG		Heidelbaugh	R	0.591012537
20G_Auditor	46.35%	Ahmad	D	0.354397923
20G_Auditor	49.44%	Defoor	R	0.645602107
20G_President	50.01%	Biden	D	0.374100029
20G_President	48.84%	Trump	R	0.625899971
20G_Treasurer		Torsella	D	0.370544165
20G_Treasurer		Garrity	R	0.629455864
20P_Auditor	36.44%	Ahmad	D	0.124592729
20P_Auditor	7.47%	Conklin	D	0.082279854
20P_Auditor	5.99%	Davis	D	0.050436597
20P_Auditor	9.00%	Fountain	D	0.065178044
20P_Auditor	13.97%	Hartman	D	0.097977035
20P_Auditor	27.14%	Lamb	D	0.579535723
20P_President	79.26%	Biden	D	0.787199974
20P_President	2.70%	Gabbard	D	0.039343987
20P_President	18.04%	Sanders	D	0.173456028

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.54790622
12G_AG	41.56%	Freed	R	0.45209381
12G_Auditor		Depasquale	D	0.495946705
12G_Auditor		Maher	R	0.504053295
12G_President		Obama	D	0.475033641
12G_President		Romney	R	0.524966359
12G_Treasurer		McCord	D	0.521395683
12G_Treasurer		Vaughan	R	0.478604287
12G_US_Senate	53.69%	Casey	D	0.513097405
12G_US_Senate	44.59%	Smith	R	0.486902565
12P_AG	52.82%	Kane	D	0.560789645
12P_AG	47.18%	Murphy	D	0.439210325
12P_US_Senate	80.88%	Casey	D	0.715202332
12P_US_Senate	19.12%	Vodvarka	D	0.284797668
14G_Governor	54.93%	Wolf	D	0.500692844
14G_Governor	45.07%	Corbett	R	0.499307126
14P_Governor	16.84%	McCord	D	0.174022794
14P_Governor	7.66%	McGinty	D	0.109041534
14P_Governor	17.64%	Schwartz	D	0.100837603
14P_Governor	57.86%	Wolf	D	0.616098046
14P_Lt_Governor	15.88%	Critz	D	0.345189184
14P_Lt_Governor	11.91%	Koplinski	D	0.050714418
14P_Lt_Governor	10.84%	Neuman	D	0.205882952
14P_Lt_Governor	14.57%	Smith	D	0.094724149
14P_Lt_Governor	46.79%	Stack	D	0.303489298
16G_AG	51.39%	Shapiro	D	0.490866035
16G_AG	48.61%	Rafferty	R	0.509133995
16G_Auditor		Depasquale	D	0.548145413
16G_Auditor		Brown	R	0.451854587
16G_President	47.85%	Clinton	D	0.461849362
16G_President	48.58%	Trump	R	0.538150609
16G_Treasurer		Torsella	D	0.530272722
16G_Treasurer		Voit	R	0.469727278
16G_US_Senate	47.34%	McGinty	D	0.466028303
16G_US_Senate	48.77%	Toomey	R	0.533971727
16P_AG	16.22%	Morganelli	D	0.056160979
16P_AG	47.03%	Shapiro	D	0.20559141
16P_AG	36.74%	Zappala	D	0.738247633
16P_President	55.61%	Clinton	D	0.562338412
16P_President	0.86%	DeLaFuente	D	0.011320242
16P_President	43.53%	Sanders	D	0.426341325
16P_US_Senate	19.49%	Fetterman	D	0.341232479
16P_US_Senate	42.50%	McGinty	D	0.380433112
16P_US_Senate	32.57%	Sestak	D	0.205986246
16P_US_Senate	5.45%	Vodvarka	D	0.072348155

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.50901866
17G_Supreme_Court		Mundy	R	0.49098134
18G_Governor	57.77%	Wolf	D	0.580553055
18G_Governor	40.70%	Wagner	R	0.419446975
18G_US_Senator		Casey	D	0.561977804
18G_US_Senator		Barletta	R	0.438022196
18P_Lt_Governor	23.78%	Ahmad	D	0.114069201
18P_Lt_Governor	18.55%	Cozzone	D	0.095350057
18P_Lt_Governor	37.48%	Fetterman	D	0.748476267
18P_Lt_Governor	3.58%	Sosa	D	0.013419906
18P_Lt_Governor	16.62%	Stack	D	0.028684596
20G_AG		Shapiro	D	0.53404361
20G_AG		Heidelbaugh	R	0.46595636
20G_Auditor	46.35%	Ahmad	D	0.470845371
20G_Auditor	49.44%	Defoor	R	0.529154658
20G_President	50.01%	Biden	D	0.483892351
20G_President	48.84%	Trump	R	0.516107619
20G_Treasurer		Torsella	D	0.483016849
20G_Treasurer		Garrity	R	0.516983151
20P_Auditor	36.44%	Ahmad	D	0.109258816
20P_Auditor	7.47%	Conklin	D	0.018222043
20P_Auditor	5.99%	Davis	D	0.019553123
20P_Auditor	9.00%	Fountain	D	0.039060347
20P_Auditor	13.97%	Hartman	D	0.039142966
20P_Auditor	27.14%	Lamb	D	0.77476269
20P_President	79.26%	Biden	D	0.792265177
20P_President	2.70%	Gabbard	D	0.038332131
20P_President	18.04%	Sanders	D	0.169402689

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.687705994
12G_AG	41.56%	Freed	R	0.312294006
12G_Auditor		Depasquale	D	0.648326457
12G_Auditor		Maher	R	0.351673543
12G_President		Obama	D	0.638461649
12G_President		Romney	R	0.361538351
12G_Treasurer		McCord	D	0.673419893
12G_Treasurer		Vaughan	R	0.326580107
12G_US_Senate	53.69%	Casey	D	0.66691196
12G_US_Senate	44.59%	Smith	R	0.33308804
12P_AG	52.82%	Kane	D	0.511428297
12P_AG	47.18%	Murphy	D	0.488571733
12P_US_Senate	80.88%	Casey	D	0.725020647
12P_US_Senate	19.12%	Vodvarka	D	0.274979323
14G_Governor	54.93%	Wolf	D	0.648074389
14G_Governor	45.07%	Corbett	R	0.351925611
14P_Governor	16.84%	McCord	D	0.142657071
14P_Governor	7.66%	McGinty	D	0.102990441
14P_Governor	17.64%	Schwartz	D	0.152982205
14P_Governor	57.86%	Wolf	D	0.601370275
14P_Lt_Governor	15.88%	Critz	D	0.281272501
14P_Lt_Governor	11.91%	Koplinski	D	0.068391129
14P_Lt_Governor	10.84%	Neuman	D	0.227745682
14P_Lt_Governor	14.57%	Smith	D	0.071272045
14P_Lt_Governor	46.79%	Stack	D	0.351318628
16G_AG	51.39%	Shapiro	D	0.657330036
16G_AG	48.61%	Rafferty	R	0.342669934
16G_Auditor		Depasquale	D	0.713340461
16G_Auditor		Brown	R	0.286659509
16G_President	47.85%	Clinton	D	0.644921482
16G_President	48.58%	Trump	R	0.355078518
16G_Treasurer		Torsella	D	0.692952216
16G_Treasurer		Voit	R	0.307047755
16G_US_Senate	47.34%	McGinty	D	0.640556097
16G_US_Senate	48.77%	Toomey	R	0.359443903
16P_AG	16.22%	Morganelli	D	0.040215418
16P_AG	47.03%	Shapiro	D	0.240453392
16P_AG	36.74%	Zappala	D	0.719331205
16P_President	55.61%	Clinton	D	0.549342155
16P_President	0.86%	DeLaFuente	D	0.007442892
16P_President	43.53%	Sanders	D	0.443214953
16P_US_Senate	19.49%	Fetterman	D	0.443105102
16P_US_Senate	42.50%	McGinty	D	0.322080076
16P_US_Senate	32.57%	Sestak	D	0.179450184
16P_US_Senate	5.45%	Vodvarka	D	0.055364646

**Reconstituted Election Results for the Proposed Congressional Plan of the Citizen Voters
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.688548386
17G_Supreme_Court		Mundy	R	0.311451614
18G_Governor	57.77%	Wolf	D	0.735281229
18G_Governor	40.70%	Wagner	R	0.264718771
18G_US_Senator		Casey	D	0.722316742
18G_US_Senator		Barletta	R	0.277683288
18P_Lt_Governor	23.78%	Ahmad	D	0.140647396
18P_Lt_Governor	18.55%	Cozzone	D	0.058541749
18P_Lt_Governor	37.48%	Fetterman	D	0.766530216
18P_Lt_Governor	3.58%	Sosa	D	0.008805795
18P_Lt_Governor	16.62%	Stack	D	0.025474828
20G_AG		Shapiro	D	0.69370997
20G_AG		Heidelbaugh	R	0.306290001
20G_Auditor	46.35%	Ahmad	D	0.648186326
20G_Auditor	49.44%	Defoor	R	0.351813704
20G_President	50.01%	Biden	D	0.655470967
20G_President	48.84%	Trump	R	0.344529033
20G_Treasurer		Torsella	D	0.655775309
20G_Treasurer		Garrity	R	0.344224662
20P_Auditor	36.44%	Ahmad	D	0.136424586
20P_Auditor	7.47%	Conklin	D	0.010261489
20P_Auditor	5.99%	Davis	D	0.016810516
20P_Auditor	9.00%	Fountain	D	0.050781909
20P_Auditor	13.97%	Hartman	D	0.023965934
20P_Auditor	27.14%	Lamb	D	0.761755586
20P_President	79.26%	Biden	D	0.747733533
20P_President	2.70%	Gabbard	D	0.029306579
20P_President	18.04%	Sanders	D	0.222959861

Ali et al.

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.552957237
12G_AG	41.56%	Freed	R	0.447042763
12G_Auditor		Depasquale	D	0.506735265
12G_Auditor		Maher	R	0.493264705
12G_President		Obama	D	0.531937301
12G_President		Romney	R	0.468062699
12G_Treasurer		McCord	D	0.531936228
12G_Treasurer		Vaughan	R	0.468063772
12G_US_Senate	53.69%	Casey	D	0.549834669
12G_US_Senate	44.59%	Smith	R	0.450165302
12P_AG	52.82%	Kane	D	0.307037622
12P_AG	47.18%	Murphy	D	0.692962408
12P_US_Senate	80.88%	Casey	D	0.857640624
12P_US_Senate	19.12%	Vodvarka	D	0.142359391
14G_Governor	54.93%	Wolf	D	0.55426532
14G_Governor	45.07%	Corbett	R	0.44573468
14P_Governor	16.84%	McCord	D	0.14856267
14P_Governor	7.66%	McGinty	D	0.050919894
14P_Governor	17.64%	Schwartz	D	0.33142966
14P_Governor	57.86%	Wolf	D	0.46908778
14P_Lt_Governor	15.88%	Critz	D	0.032396462
14P_Lt_Governor	11.91%	Koplinski	D	0.102508537
14P_Lt_Governor	10.84%	Neuman	D	0.062385079
14P_Lt_Governor	14.57%	Smith	D	0.119407229
14P_Lt_Governor	46.79%	Stack	D	0.683302701
16G_AG	51.39%	Shapiro	D	0.546628416
16G_AG	48.61%	Rafferty	R	0.453371614
16G_Auditor		Depasquale	D	0.509698212
16G_Auditor		Brown	R	0.490301788
16G_President	47.85%	Clinton	D	0.539389729
16G_President	48.58%	Trump	R	0.460610271
16G_Treasurer		Torsella	D	0.535784364
16G_Treasurer		Voit	R	0.464215636
16G_US_Senate	47.34%	McGinty	D	0.503630817
16G_US_Senate	48.77%	Toomey	R	0.496369153
16P_AG	16.22%	Morganelli	D	0.132414237
16P_AG	47.03%	Shapiro	D	0.695395768
16P_AG	36.74%	Zappala	D	0.172189996
16P_President	55.61%	Clinton	D	0.566302717
16P_President	0.86%	DeLaFuente	D	0.007956681
16P_President	43.53%	Sanders	D	0.425740629
16P_US_Senate	19.49%	Fetterman	D	0.104654394
16P_US_Senate	42.50%	McGinty	D	0.440437734
16P_US_Senate	32.57%	Sestak	D	0.428784996
16P_US_Senate	5.45%	Vodvarka	D	0.026122872

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.527826607
17G_Supreme_Court		Mundy	R	0.472173393
18G_Governor	57.77%	Wolf	D	0.624892235
18G_Governor	40.70%	Wagner	R	0.375107765
18G_US_Senator		Casey	D	0.603879511
18G_US_Senator		Barletta	R	0.396120489
18P_Lt_Governor	23.78%	Ahmad	D	0.301159561
18P_Lt_Governor	18.55%	Cozzone	D	0.18994832
18P_Lt_Governor	37.48%	Fetterman	D	0.203618065
18P_Lt_Governor	3.58%	Sosa	D	0.099989802
18P_Lt_Governor	16.62%	Stack	D	0.205284283
20G_AG		Shapiro	D	0.563867867
20G_AG		Heidelbaugh	R	0.436132133
20G_Auditor	46.35%	Ahmad	D	0.520348907
20G_Auditor	49.44%	Defoor	R	0.479651093
20G_President	50.01%	Biden	D	0.557331264
20G_President	48.84%	Trump	R	0.442668736
20G_Treasurer		Torsella	D	0.541060448
20G_Treasurer		Garrity	R	0.458939552
20P_Auditor	36.44%	Ahmad	D	0.61064887
20P_Auditor	7.47%	Conklin	D	0.043961436
20P_Auditor	5.99%	Davis	D	0.043055791
20P_Auditor	9.00%	Fountain	D	0.083913513
20P_Auditor	13.97%	Hartman	D	0.145921782
20P_Auditor	27.14%	Lamb	D	0.072498634
20P_President	79.26%	Biden	D	0.819507003
20P_President	2.70%	Gabbard	D	0.018178528
20P_President	18.04%	Sanders	D	0.162314445

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.773463011
12G_AG	41.56%	Freed	R	0.226536989
12G_Auditor		Depasquale	D	0.738602221
12G_Auditor		Maher	R	0.261397809
12G_President		Obama	D	0.754660785
12G_President		Romney	R	0.24533923
12G_Treasurer		McCord	D	0.766149163
12G_Treasurer		Vaughan	R	0.233850867
12G_US_Senate	53.69%	Casey	D	0.773144066
12G_US_Senate	44.59%	Smith	R	0.226855963
12P_AG	52.82%	Kane	D	0.35500735
12P_AG	47.18%	Murphy	D	0.64499265
12P_US_Senate	80.88%	Casey	D	0.777360737
12P_US_Senate	19.12%	Vodvarka	D	0.222639248
14G_Governor	54.93%	Wolf	D	0.769313395
14G_Governor	45.07%	Corbett	R	0.230686635
14P_Governor	16.84%	McCord	D	0.131832376
14P_Governor	7.66%	McGinty	D	0.052502416
14P_Governor	17.64%	Schwartz	D	0.321447164
14P_Governor	57.86%	Wolf	D	0.494218051
14P_Lt_Governor	15.88%	Critz	D	0.040488459
14P_Lt_Governor	11.91%	Koplinski	D	0.033157386
14P_Lt_Governor	10.84%	Neuman	D	0.032382388
14P_Lt_Governor	14.57%	Smith	D	0.057140462
14P_Lt_Governor	46.79%	Stack	D	0.836831331
15G_Mayor		Kenney	D	0.760723472
15G_Mayor		Bailey	R	0.227947712
15G_Mayor		Foster	U	0.006127693
15G_Mayor		Hart	U	0.003879225
15G_Mayor		Kindij	U	0.001321902
15G_Sheriff		Williams	D	0.655956805
15G_Sheriff		Sawyer	R	0.344043195
15P_Mayor		Abraham	D	0.124442577
15P_Mayor		Diaz	D	0.072508253
15P_Mayor		Kenney	D	0.598772228
15P_Mayor		Oliver	D	0.028797707
15P_Mayor		Street	D	0.013711126
15P_Mayor		Williams	D	0.161768109
16G_AG	51.39%	Shapiro	D	0.742247283
16G_AG	48.61%	Rafferty	R	0.257752717
16G_Auditor		Depasquale	D	0.727241516
16G_Auditor		Brown	R	0.272758484
16G_Congress_Dist1		Brady	D	0.811993837
16G_Congress_Dist1		Williams	R	0.188006163
16G_President	47.85%	Clinton	D	0.717934608

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.282065421
16G_Treasurer		Torsella	D	0.756916881
16G_Treasurer		Voit	R	0.243083119
16G_US_Senate	47.34%	McGinty	D	0.708191931
16G_US_Senate	48.77%	Toomey	R	0.291808069
16P_AG	16.22%	Morganelli	D	0.132605433
16P_AG	47.03%	Shapiro	D	0.493615448
16P_AG	36.74%	Zappala	D	0.373779118
16P_Congress_Dist2		Evans	D	0.373470426
16P_Congress_Dist2		Fattah	D	0.459125966
16P_Congress_Dist2		Gordon	D	0.149100259
16P_Congress_Dist2		Muroff	D	0.018303342
16P_President	55.61%	Clinton	D	0.599659622
16P_President	0.86%	DeLaFuente	D	0.007878437
16P_President	43.53%	Sanders	D	0.392461926
16P_US_Senate	19.49%	Fetterman	D	0.198751241
16P_US_Senate	42.50%	McGinty	D	0.383344233
16P_US_Senate	32.57%	Sestak	D	0.285692871
16P_US_Senate	5.45%	Vodvarka	D	0.13221167
17G_Supreme_Court		Woodruff	D	0.584988952
17G_Supreme_Court		Mundy	R	0.415011048
17P_DA		Deni	D	0.025475679
17P_DA		Khan	D	0.19682616
17P_DA		Krasner	D	0.269909501
17P_DA		Negrin	D	0.199877933
17P_DA		ONeill	D	0.121566758
17P_DA		Shabazz	D	0.065440647
17P_DA		Untermeyer	D	0.120903328
18G_Congress_Dist2		Boyle	D	0.779261172
18G_Congress_Dist2		Torres	R	0.220738828
18G_Congress_Dist3		Evans	D	0.936905801
18G_Congress_Dist3		Leib	R	0.063094206
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.77472657
18G_Governor	40.70%	Wagner	R	0.22527346
18G_US_Senator		Casey	D	0.767167389
18G_US_Senator		Barletta	R	0.232832626
18P_Congress_Dist2		Boyle	D	0.643846214
18P_Congress_Dist2		Lawrence	D	0.356153786
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.187437043
18P_Lt_Governor	18.55%	Cozzone	D	0.166716591
18P_Lt_Governor	37.48%	Fetterman	D	0.164810628
18P_Lt_Governor	3.58%	Sosa	D	0.017589239
18P_Lt_Governor	16.62%	Stack	D	0.463446498
19P_Mayor		Butkovitz	D	0.174865857
19P_Mayor		Kenney	D	0.606615722
19P_Mayor		Williams	D	0.218518451
19P_Municipal_Judge		Brunson	D	0.433836639
19P_Municipal_Judge		Conroy	D	0.566163361
19P_Register_Wills		Donatucci	D	0.442556471
19P_Register_Wills		Gordon	D	0.409748733
19P_Register_Wills		Whaumbush	D	0.147694811
20G_AG		Shapiro	D	0.703045189
20G_AG		Heidelbaugh	R	0.296954811
20G_Auditor	46.35%	Ahmad	D	0.681075752
20G_Auditor	49.44%	Defoor	R	0.318924248
20G_Congress_Dist2		Boyle	D	0.713382125
20G_Congress_Dist2		Torres	R	0.286617875
20G_President	50.01%	Biden	D	0.678937674
20G_President	48.84%	Trump	R	0.321062326
20G_Treasurer		Torsella	D	0.689023256
20G_Treasurer		Garrity	R	0.310976744
20P_Auditor	36.44%	Ahmad	D	0.693385124
20P_Auditor	7.47%	Conklin	D	0.036606383
20P_Auditor	5.99%	Davis	D	0.057858963
20P_Auditor	9.00%	Fountain	D	0.054776065
20P_Auditor	13.97%	Hartman	D	0.057701178
20P_Auditor	27.14%	Lamb	D	0.099672288
20P_President	79.26%	Biden	D	0.779965878
20P_President	2.70%	Gabbard	D	0.02408785
20P_President	18.04%	Sanders	D	0.195946246
21G_Superior_Judge		Lane	D	0.588844597
21G_Superior_Judge		Sullivan	R	0.411155373
21P_DA		Krasner	D	0.442275673
21P_DA		Vega	D	0.557724297
21P_Superior_Judge		Beck	D	0.191891581
21P_Superior_Judge		Lane	D	0.754629314
21P_Superior_Judge		Neft	D	0.053479102

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.92778033
12G_AG	41.56%	Freed	R	0.072219662
12G_Auditor		Depasquale	D	0.913443506
12G_Auditor		Maher	R	0.086556517
12G_President		Obama	D	0.92703557
12G_President		Romney	R	0.072964415
12G_Treasurer		McCord	D	0.92350626
12G_Treasurer		Vaughan	R	0.076493748
12G_US_Senate	53.69%	Casey	D	0.929181218
12G_US_Senate	44.59%	Smith	R	0.070818767
12P_AG	52.82%	Kane	D	0.372222632
12P_AG	47.18%	Murphy	D	0.627777338
12P_US_Senate	80.88%	Casey	D	0.816716015
12P_US_Senate	19.12%	Vodvarka	D	0.183284014
14G_Governor	54.93%	Wolf	D	0.938785076
14G_Governor	45.07%	Corbett	R	0.061214942
14P_Governor	16.84%	McCord	D	0.165486023
14P_Governor	7.66%	McGinty	D	0.034209549
14P_Governor	17.64%	Schwartz	D	0.32414183
14P_Governor	57.86%	Wolf	D	0.476162612
14P_Lt_Governor	15.88%	Critz	D	0.033997681
14P_Lt_Governor	11.91%	Koplinski	D	0.034959443
14P_Lt_Governor	10.84%	Neuman	D	0.041274622
14P_Lt_Governor	14.57%	Smith	D	0.061529547
14P_Lt_Governor	46.79%	Stack	D	0.828238726
15G_Mayor		Kenney	D	0.904364109
15G_Mayor		Bailey	R	0.079981439
15G_Mayor		Foster	U	0.008236092
15G_Mayor		Hart	U	0.005989215
15G_Mayor		Kindij	U	0.001429161
15G_Sheriff		Williams	D	0.864962757
15G_Sheriff		Sawyer	R	0.135037273
15P_Mayor		Abraham	D	0.069135144
15P_Mayor		Diaz	D	0.023745442
15P_Mayor		Kenney	D	0.518464386
15P_Mayor		Oliver	D	0.052234348
15P_Mayor		Street	D	0.019325234
15P_Mayor		Williams	D	0.317095459
16G_AG	51.39%	Shapiro	D	0.916664839
16G_AG	48.61%	Rafferty	R	0.083335154
16G_Auditor		Depasquale	D	0.911506116
16G_Auditor		Brown	R	0.088493869
16G_Congress_Dist1		Brady	D	0.878632963
16G_Congress_Dist1		Williams	R	0.121367015
16G_President	47.85%	Clinton	D	0.932332218

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.06766776
16G_Treasurer		Torsella	D	0.919146299
16G_Treasurer		Voit	R	0.080853716
16G_US_Senate	47.34%	McGinty	D	0.907465875
16G_US_Senate	48.77%	Toomey	R	0.092534155
16P_AG	16.22%	Morganelli	D	0.090062216
16P_AG	47.03%	Shapiro	D	0.62277633
16P_AG	36.74%	Zappala	D	0.287161469
16P_Congress_Dist2		Evans	D	0.442185998
16P_Congress_Dist2		Fattah	D	0.358698249
16P_Congress_Dist2		Gordon	D	0.109393202
16P_Congress_Dist2		Muroff	D	0.089722544
16P_President	55.61%	Clinton	D	0.644717693
16P_President	0.86%	DeLaFuente	D	0.002190658
16P_President	43.53%	Sanders	D	0.353091657
16P_US_Senate	19.49%	Fetterman	D	0.169110671
16P_US_Senate	42.50%	McGinty	D	0.463500649
16P_US_Senate	32.57%	Sestak	D	0.268271863
16P_US_Senate	5.45%	Vodvarka	D	0.099116832
17G_Supreme_Court		Woodruff	D	0.906949759
17G_Supreme_Court		Mundy	R	0.093050256
17P_DA		Deni	D	0.011266023
17P_DA		Khan	D	0.212892592
17P_DA		Krasner	D	0.425699472
17P_DA		Negrin	D	0.120774053
17P_DA		ONeill	D	0.024255756
17P_DA		Shabazz	D	0.138220668
17P_DA		Untermeyer	D	0.066891417
18G_Congress_Dist2		Boyle	D	0.959105372
18G_Congress_Dist2		Torres	R	0.04089462
18G_Congress_Dist3		Evans	D	0.935665369
18G_Congress_Dist3		Leib	R	0.064334609
18G_Congress_Dist5		Scanlon	D	0.979505301
18G_Congress_Dist5		Kim	R	0.020494699
18G_Governor	57.77%	Wolf	D	0.946852028
18G_Governor	40.70%	Wagner	R	0.05314799
18G_US_Senator		Casey	D	0.944672465
18G_US_Senator		Barletta	R	0.055327546
18P_Congress_Dist2		Boyle	D	0.665787756
18P_Congress_Dist2		Lawrence	D	0.334212273
18P_Congress_Dist5		Arata	D	0.001392758
18P_Congress_Dist5		Davidson	D	0.065459609
18P_Congress_Dist5		Kirkland	D	0.089136489
18P_Congress_Dist5		Lazer	D	0.190807804
18P_Congress_Dist5		Li	D	0.101671308
18P_Congress_Dist5		Lunkenheimer	D	0.130919218
18P_Congress_Dist5		Scanlon	D	0.040389974

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.132311985
18P_Congress_Dist5		Vitali	D	0.044568244
18P_Congress_Dist5		Wright	D	0.203342617
18P_Lt_Governor	23.78%	Ahmad	D	0.316989094
18P_Lt_Governor	18.55%	Cozzone	D	0.153313324
18P_Lt_Governor	37.48%	Fetterman	D	0.180931732
18P_Lt_Governor	3.58%	Sosa	D	0.008205471
18P_Lt_Governor	16.62%	Stack	D	0.340560377
19P_Mayor		Butkovitz	D	0.050338943
19P_Mayor		Kenney	D	0.699477792
19P_Mayor		Williams	D	0.250183254
19P_Municipal_Judge		Brunson	D	0.460744441
19P_Municipal_Judge		Conroy	D	0.539255559
19P_Register_Wills		Donatucci	D	0.364485115
19P_Register_Wills		Gordon	D	0.464039803
19P_Register_Wills		Whaumbush	D	0.171475083
20G_AG		Shapiro	D	0.918112397
20G_AG		Heidelbaugh	R	0.081887633
20G_Auditor	46.35%	Ahmad	D	0.911628544
20G_Auditor	49.44%	Defoor	R	0.088371463
20G_Congress_Dist2		Boyle	D	0.924975455
20G_Congress_Dist2		Torres	R	0.075024553
20G_President	50.01%	Biden	D	0.922234476
20G_President	48.84%	Trump	R	0.077765539
20G_Treasurer		Torsella	D	0.91014868
20G_Treasurer		Garrity	R	0.08985132
20P_Auditor	36.44%	Ahmad	D	0.730636179
20P_Auditor	7.47%	Conklin	D	0.024301358
20P_Auditor	5.99%	Davis	D	0.045143086
20P_Auditor	9.00%	Fountain	D	0.066141568
20P_Auditor	13.97%	Hartman	D	0.037843164
20P_Auditor	27.14%	Lamb	D	0.095934659
20P_President	79.26%	Biden	D	0.807599545
20P_President	2.70%	Gabbard	D	0.009531615
20P_President	18.04%	Sanders	D	0.182868868
21G_Superior_Judge		Lane	D	0.921807528
21G_Superior_Judge		Sullivan	R	0.07819245
21P_DA		Krasner	D	0.786367893
21P_DA		Vega	D	0.213632122
21P_Superior_Judge		Beck	D	0.09911947
21P_Superior_Judge		Lane	D	0.877387464
21P_Superior_Judge		Neft	D	0.023493079

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.547158778
12G_AG	41.56%	Freed	R	0.452841192
12G_Auditor		Depasquale	D	0.495228171
12G_Auditor		Maher	R	0.504771829
12G_President		Obama	D	0.534817457
12G_President		Romney	R	0.465182573
12G_Treasurer		McCord	D	0.525698423
12G_Treasurer		Vaughan	R	0.474301577
12G_US_Senate	53.69%	Casey	D	0.549455225
12G_US_Senate	44.59%	Smith	R	0.450544745
12P_AG	52.82%	Kane	D	0.394869715
12P_AG	47.18%	Murphy	D	0.605130255
12P_US_Senate	80.88%	Casey	D	0.869638443
12P_US_Senate	19.12%	Vodvarka	D	0.130361572
14G_Governor	54.93%	Wolf	D	0.556836545
14G_Governor	45.07%	Corbett	R	0.443163425
14P_Governor	16.84%	McCord	D	0.171550438
14P_Governor	7.66%	McGinty	D	0.049146883
14P_Governor	17.64%	Schwartz	D	0.342080861
14P_Governor	57.86%	Wolf	D	0.437221795
14P_Lt_Governor	15.88%	Critz	D	0.029717922
14P_Lt_Governor	11.91%	Koplinski	D	0.125532597
14P_Lt_Governor	10.84%	Neuman	D	0.057035759
14P_Lt_Governor	14.57%	Smith	D	0.134189099
14P_Lt_Governor	46.79%	Stack	D	0.653524637
16G_AG	51.39%	Shapiro	D	0.542042017
16G_AG	48.61%	Rafferty	R	0.457957983
16G_Auditor		Depasquale	D	0.514409184
16G_Auditor		Brown	R	0.485590816
16G_President	47.85%	Clinton	D	0.575405836
16G_President	48.58%	Trump	R	0.424594164
16G_Treasurer		Torsella	D	0.548088372
16G_Treasurer		Voit	R	0.451911598
16G_US_Senate	47.34%	McGinty	D	0.517525673
16G_US_Senate	48.77%	Toomey	R	0.482474357
16P_AG	16.22%	Morganelli	D	0.062713623
16P_AG	47.03%	Shapiro	D	0.776941061
16P_AG	36.74%	Zappala	D	0.160345316
16P_President	55.61%	Clinton	D	0.574366152
16P_President	0.86%	DeLaFuente	D	0.003595726
16P_President	43.53%	Sanders	D	0.422038108
16P_US_Senate	19.49%	Fetterman	D	0.095004462
16P_US_Senate	42.50%	McGinty	D	0.457333386
16P_US_Senate	32.57%	Sestak	D	0.439209342
16P_US_Senate	5.45%	Vodvarka	D	0.008452819

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.527788877
17G_Supreme_Court		Mundy	R	0.472211123
18G_Governor	57.77%	Wolf	D	0.650209129
18G_Governor	40.70%	Wagner	R	0.349790901
18G_US_Senator		Casey	D	0.628831327
18G_US_Senator		Barletta	R	0.371168643
18P_Lt_Governor	23.78%	Ahmad	D	0.290999562
18P_Lt_Governor	18.55%	Cozzone	D	0.238754466
18P_Lt_Governor	37.48%	Fetterman	D	0.230367959
18P_Lt_Governor	3.58%	Sosa	D	0.116247341
18P_Lt_Governor	16.62%	Stack	D	0.123630673
20G_AG		Shapiro	D	0.598999381
20G_AG		Heidelbaugh	R	0.401000649
20G_Auditor	46.35%	Ahmad	D	0.559561074
20G_Auditor	49.44%	Defoor	R	0.440438896
20G_President	50.01%	Biden	D	0.605591536
20G_President	48.84%	Trump	R	0.394408494
20G_Treasurer		Torsella	D	0.576350808
20G_Treasurer		Garrity	R	0.423649162
20P_Auditor	36.44%	Ahmad	D	0.562489927
20P_Auditor	7.47%	Conklin	D	0.045080762
20P_Auditor	5.99%	Davis	D	0.04291825
20P_Auditor	9.00%	Fountain	D	0.077091612
20P_Auditor	13.97%	Hartman	D	0.205410078
20P_Auditor	27.14%	Lamb	D	0.067009382
20P_President	79.26%	Biden	D	0.817008257
20P_President	2.70%	Gabbard	D	0.015830906
20P_President	18.04%	Sanders	D	0.167160839

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.651197493
12G_AG	41.56%	Freed	R	0.348802537
12G_Auditor		Depasquale	D	0.608533978
12G_Auditor		Maher	R	0.391466051
12G_President		Obama	D	0.645907402
12G_President		Romney	R	0.354092598
12G_Treasurer		McCord	D	0.629217863
12G_Treasurer		Vaughan	R	0.370782137
12G_US_Senate	53.69%	Casey	D	0.662330031
12G_US_Senate	44.59%	Smith	R	0.337669939
12P_AG	52.82%	Kane	D	0.368937135
12P_AG	47.18%	Murphy	D	0.631062865
12P_US_Senate	80.88%	Casey	D	0.845449924
12P_US_Senate	19.12%	Vodvarka	D	0.154550105
14G_Governor	54.93%	Wolf	D	0.6530146
14G_Governor	45.07%	Corbett	R	0.34698537
14P_Governor	16.84%	McCord	D	0.168620721
14P_Governor	7.66%	McGinty	D	0.051654033
14P_Governor	17.64%	Schwartz	D	0.296443224
14P_Governor	57.86%	Wolf	D	0.48328203
14P_Lt_Governor	15.88%	Critz	D	0.038526077
14P_Lt_Governor	11.91%	Koplinski	D	0.078316435
14P_Lt_Governor	10.84%	Neuman	D	0.046456568
14P_Lt_Governor	14.57%	Smith	D	0.122336388
14P_Lt_Governor	46.79%	Stack	D	0.714364529
15G_Mayor		Kenney	D	0.88643533
15G_Mayor		Bailey	R	0.103095137
15G_Mayor		Foster	U	0.004526128
15G_Mayor		Hart	U	0.004983313
15G_Mayor		Kindij	U	0.000960088
15G_Sheriff		Williams	D	0.799262881
15G_Sheriff		Sawyer	R	0.200737119
15P_Mayor		Abraham	D	0.058910806
15P_Mayor		Diaz	D	0.013265841
15P_Mayor		Kenney	D	0.682579875
15P_Mayor		Oliver	D	0.022342468
15P_Mayor		Street	D	0.010385756
15P_Mayor		Williams	D	0.21251528
16G_AG	51.39%	Shapiro	D	0.626603544
16G_AG	48.61%	Rafferty	R	0.373396426
16G_Auditor		Depasquale	D	0.613119662
16G_Auditor		Brown	R	0.386880308
16G_Congress_Dist1		Brady	D	0.804001689
16G_Congress_Dist1		Williams	R	0.195998311
16G_President	47.85%	Clinton	D	0.652706206

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.347293794
16G_Treasurer		Torsella	D	0.635259449
16G_Treasurer		Voit	R	0.364740521
16G_US_Senate	47.34%	McGinty	D	0.606987894
16G_US_Senate	48.77%	Toomey	R	0.393012106
16P_AG	16.22%	Morganelli	D	0.102856599
16P_AG	47.03%	Shapiro	D	0.615045726
16P_AG	36.74%	Zappala	D	0.282097697
16P_Congress_Dist2		Evans	D	0.339026481
16P_Congress_Dist2		Fattah	D	0.45687446
16P_Congress_Dist2		Gordon	D	0.156846002
16P_Congress_Dist2		Muroff	D	0.047253061
16P_President	55.61%	Clinton	D	0.601138949
16P_President	0.86%	DeLaFuente	D	0.004711824
16P_President	43.53%	Sanders	D	0.394149214
16P_US_Senate	19.49%	Fetterman	D	0.099846222
16P_US_Senate	42.50%	McGinty	D	0.314441502
16P_US_Senate	32.57%	Sestak	D	0.538981318
16P_US_Senate	5.45%	Vodvarka	D	0.046730977
17G_Supreme_Court		Woodruff	D	0.551982701
17G_Supreme_Court		Mundy	R	0.448017269
17P_DA		Deni	D	0.015221549
17P_DA		Khan	D	0.136276692
17P_DA		Krasner	D	0.358543187
17P_DA		Negrin	D	0.14647752
17P_DA		ONeill	D	0.168632448
17P_DA		Shabazz	D	0.084794387
17P_DA		Untermeyer	D	0.090054192
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.876583934
18G_Congress_Dist3		Leib	R	0.123416089
18G_Congress_Dist5		Scanlon	D	0.788814306
18G_Congress_Dist5		Kim	R	0.211185724
18G_Governor	57.77%	Wolf	D	0.709071934
18G_Governor	40.70%	Wagner	R	0.290928096
18G_US_Senator		Casey	D	0.695104718
18G_US_Senator		Barletta	R	0.304895252
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.011492189
18P_Congress_Dist5		Davidson	D	0.018495241
18P_Congress_Dist5		Kirkland	D	0.02172742
18P_Congress_Dist5		Lazer	D	0.425390542
18P_Congress_Dist5		Li	D	0.125875384
18P_Congress_Dist5		Lunkenheimer	D	0.063117258
18P_Congress_Dist5		Scanlon	D	0.08592207

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.13341713
18P_Congress_Dist5		Vitali	D	0.040761359
18P_Congress_Dist5		Wright	D	0.073801398
18P_Lt_Governor	23.78%	Ahmad	D	0.35372138
18P_Lt_Governor	18.55%	Cozzone	D	0.208751202
18P_Lt_Governor	37.48%	Fetterman	D	0.200867966
18P_Lt_Governor	3.58%	Sosa	D	0.025063798
18P_Lt_Governor	16.62%	Stack	D	0.211595669
19P_Mayor		Butkovitz	D	0.115411848
19P_Mayor		Kenney	D	0.622079313
19P_Mayor		Williams	D	0.262508839
19P_Municipal_Judge		Brunson	D	0.356925637
19P_Municipal_Judge		Conroy	D	0.643074334
19P_Register_Wills		Donatucci	D	0.526859939
19P_Register_Wills		Gordon	D	0.37157917
19P_Register_Wills		Whaumbush	D	0.101560913
20G_AG		Shapiro	D	0.652733147
20G_AG		Heidelbaugh	R	0.347266823
20G_Auditor	46.35%	Ahmad	D	0.6274665
20G_Auditor	49.44%	Defoor	R	0.37253353
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.662333131
20G_President	48.84%	Trump	R	0.337666869
20G_Treasurer		Torsella	D	0.638805985
20G_Treasurer		Garrity	R	0.361194044
20P_Auditor	36.44%	Ahmad	D	0.69478488
20P_Auditor	7.47%	Conklin	D	0.035579033
20P_Auditor	5.99%	Davis	D	0.041729711
20P_Auditor	9.00%	Fountain	D	0.067505263
20P_Auditor	13.97%	Hartman	D	0.093406148
20P_Auditor	27.14%	Lamb	D	0.066994943
20P_President	79.26%	Biden	D	0.81476301
20P_President	2.70%	Gabbard	D	0.01252748
20P_President	18.04%	Sanders	D	0.172709495
21G_Superior_Judge		Lane	D	0.711093843
21G_Superior_Judge		Sullivan	R	0.288906127
21P_DA		Krasner	D	0.562995434
21P_DA		Vega	D	0.437004566
21P_Superior_Judge		Beck	D	0.151226878
21P_Superior_Judge		Lane	D	0.811023057
21P_Superior_Judge		Neft	D	0.037750095

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.530307174
12G_AG	41.56%	Freed	R	0.469692826
12G_Auditor		Depasquale	D	0.456034541
12G_Auditor		Maher	R	0.543965459
12G_President		Obama	D	0.501893342
12G_President		Romney	R	0.498106658
12G_Treasurer		McCord	D	0.494154662
12G_Treasurer		Vaughan	R	0.505845308
12G_US_Senate	53.69%	Casey	D	0.519428253
12G_US_Senate	44.59%	Smith	R	0.480571717
12P_AG	52.82%	Kane	D	0.479771256
12P_AG	47.18%	Murphy	D	0.520228744
12P_US_Senate	80.88%	Casey	D	0.840385079
12P_US_Senate	19.12%	Vodvarka	D	0.159614921
14G_Governor	54.93%	Wolf	D	0.514758587
14G_Governor	45.07%	Corbett	R	0.485241413
14P_Governor	16.84%	McCord	D	0.172642604
14P_Governor	7.66%	McGinty	D	0.080872953
14P_Governor	17.64%	Schwartz	D	0.158458635
14P_Governor	57.86%	Wolf	D	0.588025808
14P_Lt_Governor	15.88%	Critz	D	0.05098791
14P_Lt_Governor	11.91%	Koplinski	D	0.197890624
14P_Lt_Governor	10.84%	Neuman	D	0.056980446
14P_Lt_Governor	14.57%	Smith	D	0.175529912
14P_Lt_Governor	46.79%	Stack	D	0.518611073
16G_AG	51.39%	Shapiro	D	0.491505891
16G_AG	48.61%	Rafferty	R	0.508494139
16G_Auditor		Depasquale	D	0.470938385
16G_Auditor		Brown	R	0.529061615
16G_President	47.85%	Clinton	D	0.509375632
16G_President	48.58%	Trump	R	0.490624398
16G_Treasurer		Torsella	D	0.500613213
16G_Treasurer		Voit	R	0.499386758
16G_US_Senate	47.34%	McGinty	D	0.474532992
16G_US_Senate	48.77%	Toomey	R	0.525467038
16P_AG	16.22%	Morganelli	D	0.161025345
16P_AG	47.03%	Shapiro	D	0.616457224
16P_AG	36.74%	Zappala	D	0.222517416
16P_President	55.61%	Clinton	D	0.529365361
16P_President	0.86%	DeLaFuente	D	0.006145951
16P_President	43.53%	Sanders	D	0.464488685
16P_US_Senate	19.49%	Fetterman	D	0.085186429
16P_US_Senate	42.50%	McGinty	D	0.463594228
16P_US_Senate	32.57%	Sestak	D	0.426845819
16P_US_Senate	5.45%	Vodvarka	D	0.024373529

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.459204197
17G_Supreme_Court		Mundy	R	0.540795803
18G_Governor	57.77%	Wolf	D	0.589057505
18G_Governor	40.70%	Wagner	R	0.410942465
18G_US_Senator		Casey	D	0.569913149
18G_US_Senator		Barletta	R	0.430086851
18P_Lt_Governor	23.78%	Ahmad	D	0.198984057
18P_Lt_Governor	18.55%	Cozzone	D	0.513166368
18P_Lt_Governor	37.48%	Fetterman	D	0.156711623
18P_Lt_Governor	3.58%	Sosa	D	0.02425994
18P_Lt_Governor	16.62%	Stack	D	0.106878027
20G_AG		Shapiro	D	0.524341643
20G_AG		Heidelbaugh	R	0.475658387
20G_Auditor	46.35%	Ahmad	D	0.493181646
20G_Auditor	49.44%	Defoor	R	0.506818354
20G_President	50.01%	Biden	D	0.53376168
20G_President	48.84%	Trump	R	0.46623835
20G_Treasurer		Torsella	D	0.508598149
20G_Treasurer		Garrity	R	0.491401851
20P_Auditor	36.44%	Ahmad	D	0.357394069
20P_Auditor	7.47%	Conklin	D	0.045785166
20P_Auditor	5.99%	Davis	D	0.037238266
20P_Auditor	9.00%	Fountain	D	0.071400657
20P_Auditor	13.97%	Hartman	D	0.423096806
20P_Auditor	27.14%	Lamb	D	0.065085031
20P_President	79.26%	Biden	D	0.811754405
20P_President	2.70%	Gabbard	D	0.020018676
20P_President	18.04%	Sanders	D	0.168226913

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.557747066
12G_AG	41.56%	Freed	R	0.442252934
12G_Auditor		Depasquale	D	0.498685449
12G_Auditor		Maher	R	0.501314521
12G_President		Obama	D	0.521047115
12G_President		Romney	R	0.478952914
12G_Treasurer		McCord	D	0.53015542
12G_Treasurer		Vaughan	R	0.46984458
12G_US_Senate	53.69%	Casey	D	0.535443068
12G_US_Senate	44.59%	Smith	R	0.464556932
12P_AG	52.82%	Kane	D	0.487950325
12P_AG	47.18%	Murphy	D	0.512049675
12P_US_Senate	80.88%	Casey	D	0.813956857
12P_US_Senate	19.12%	Vodvarka	D	0.186043143
14G_Governor	54.93%	Wolf	D	0.539346755
14G_Governor	45.07%	Corbett	R	0.460653245
14P_Governor	16.84%	McCord	D	0.144510046
14P_Governor	7.66%	McGinty	D	0.058120117
14P_Governor	17.64%	Schwartz	D	0.152710676
14P_Governor	57.86%	Wolf	D	0.644659162
14P_Lt_Governor	15.88%	Critz	D	0.056530774
14P_Lt_Governor	11.91%	Koplinski	D	0.147094652
14P_Lt_Governor	10.84%	Neuman	D	0.07465788
14P_Lt_Governor	14.57%	Smith	D	0.230207071
14P_Lt_Governor	46.79%	Stack	D	0.491509646
16G_AG	51.39%	Shapiro	D	0.510052562
16G_AG	48.61%	Rafferty	R	0.489947408
16G_Auditor		Depasquale	D	0.486073047
16G_Auditor		Brown	R	0.513926923
16G_President	47.85%	Clinton	D	0.488250703
16G_President	48.58%	Trump	R	0.511749327
16G_Treasurer		Torsella	D	0.520201325
16G_Treasurer		Voit	R	0.479798704
16G_US_Senate	47.34%	McGinty	D	0.47550118
16G_US_Senate	48.77%	Toomey	R	0.52449882
16P_AG	16.22%	Morganelli	D	0.65968138
16P_AG	47.03%	Shapiro	D	0.248793289
16P_AG	36.74%	Zappala	D	0.091525331
16P_President	55.61%	Clinton	D	0.50971818
16P_President	0.86%	DeLaFuente	D	0.007781864
16P_President	43.53%	Sanders	D	0.482499927
16P_US_Senate	19.49%	Fetterman	D	0.110305078
16P_US_Senate	42.50%	McGinty	D	0.417008311
16P_US_Senate	32.57%	Sestak	D	0.434538394
16P_US_Senate	5.45%	Vodvarka	D	0.038148228

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.468966454
17G_Supreme_Court		Mundy	R	0.531033516
18G_Governor	57.77%	Wolf	D	0.58273232
18G_Governor	40.70%	Wagner	R	0.41726768
18G_US_Senator		Casey	D	0.555833459
18G_US_Senator		Barletta	R	0.444166541
18P_Lt_Governor	23.78%	Ahmad	D	0.290431172
18P_Lt_Governor	18.55%	Cozzone	D	0.244270086
18P_Lt_Governor	37.48%	Fetterman	D	0.188926294
18P_Lt_Governor	3.58%	Sosa	D	0.063189939
18P_Lt_Governor	16.62%	Stack	D	0.213182509
20G_AG		Shapiro	D	0.51649195
20G_AG		Heidelbaugh	R	0.48350805
20G_Auditor	46.35%	Ahmad	D	0.486748725
20G_Auditor	49.44%	Defoor	R	0.513251245
20G_President	50.01%	Biden	D	0.506664574
20G_President	48.84%	Trump	R	0.493335426
20G_Treasurer		Torsella	D	0.498666376
20G_Treasurer		Garrity	R	0.501333654
20P_Auditor	36.44%	Ahmad	D	0.346499234
20P_Auditor	7.47%	Conklin	D	0.084945366
20P_Auditor	5.99%	Davis	D	0.144335836
20P_Auditor	9.00%	Fountain	D	0.104084119
20P_Auditor	13.97%	Hartman	D	0.19452709
20P_Auditor	27.14%	Lamb	D	0.12560837
20P_President	79.26%	Biden	D	0.788529217
20P_President	2.70%	Gabbard	D	0.025205359
20P_President	18.04%	Sanders	D	0.186265409

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.639642596
12G_AG	41.56%	Freed	R	0.360357434
12G_Auditor		Depasquale	D	0.567082047
12G_Auditor		Maher	R	0.432917923
12G_President		Obama	D	0.56399703
12G_President		Romney	R	0.43600297
12G_Treasurer		McCord	D	0.599286079
12G_Treasurer		Vaughan	R	0.400713891
12G_US_Senate	53.69%	Casey	D	0.590932429
12G_US_Senate	44.59%	Smith	R	0.409067571
12P_AG	52.82%	Kane	D	0.769798219
12P_AG	47.18%	Murphy	D	0.230201781
12P_US_Senate	80.88%	Casey	D	0.905135095
12P_US_Senate	19.12%	Vodvarka	D	0.094864883
14G_Governor	54.93%	Wolf	D	0.597945213
14G_Governor	45.07%	Corbett	R	0.402054787
14P_Governor	16.84%	McCord	D	0.213426769
14P_Governor	7.66%	McGinty	D	0.087237231
14P_Governor	17.64%	Schwartz	D	0.063523151
14P_Governor	57.86%	Wolf	D	0.635812879
14P_Lt_Governor	15.88%	Critz	D	0.039833501
14P_Lt_Governor	11.91%	Koplinski	D	0.113437697
14P_Lt_Governor	10.84%	Neuman	D	0.075432085
14P_Lt_Governor	14.57%	Smith	D	0.33873859
14P_Lt_Governor	46.79%	Stack	D	0.432558149
16G_AG	51.39%	Shapiro	D	0.530403137
16G_AG	48.61%	Rafferty	R	0.469596833
16G_Auditor		Depasquale	D	0.549024284
16G_Auditor		Brown	R	0.450975746
16G_President	47.85%	Clinton	D	0.456834078
16G_President	48.58%	Trump	R	0.543165922
16G_Treasurer		Torsella	D	0.560178757
16G_Treasurer		Voit	R	0.439821243
16G_US_Senate	47.34%	McGinty	D	0.50254184
16G_US_Senate	48.77%	Toomey	R	0.49745819
16P_AG	16.22%	Morganelli	D	0.3193115
16P_AG	47.03%	Shapiro	D	0.422508478
16P_AG	36.74%	Zappala	D	0.258180052
16P_President	55.61%	Clinton	D	0.541062891
16P_President	0.86%	DeLaFuente	D	0.00990753
16P_President	43.53%	Sanders	D	0.449029565
16P_US_Senate	19.49%	Fetterman	D	0.086070217
16P_US_Senate	42.50%	McGinty	D	0.49630335
16P_US_Senate	32.57%	Sestak	D	0.38384366
16P_US_Senate	5.45%	Vodvarka	D	0.033782773

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.433361262
17G_Supreme_Court		Mundy	R	0.566638768
18G_Governor	57.77%	Wolf	D	0.572100759
18G_Governor	40.70%	Wagner	R	0.427899212
18G_US_Senator		Casey	D	0.529950619
18G_US_Senator		Barletta	R	0.470049351
18P_Lt_Governor	23.78%	Ahmad	D	0.268001229
18P_Lt_Governor	18.55%	Cozzone	D	0.171106711
18P_Lt_Governor	37.48%	Fetterman	D	0.200131938
18P_Lt_Governor	3.58%	Sosa	D	0.036180038
18P_Lt_Governor	16.62%	Stack	D	0.324580103
20G_AG		Shapiro	D	0.533968151
20G_AG		Heidelbaugh	R	0.466031849
20G_Auditor	46.35%	Ahmad	D	0.488261342
20G_Auditor	49.44%	Defoor	R	0.511738658
20G_President	50.01%	Biden	D	0.483266324
20G_President	48.84%	Trump	R	0.516733706
20G_Treasurer		Torsella	D	0.498524755
20G_Treasurer		Garrity	R	0.501475275
20P_Auditor	36.44%	Ahmad	D	0.221389472
20P_Auditor	7.47%	Conklin	D	0.072555892
20P_Auditor	5.99%	Davis	D	0.332455099
20P_Auditor	9.00%	Fountain	D	0.076456748
20P_Auditor	13.97%	Hartman	D	0.14362818
20P_Auditor	27.14%	Lamb	D	0.153514609
20P_President	79.26%	Biden	D	0.807306111
20P_President	2.70%	Gabbard	D	0.035020575
20P_President	18.04%	Sanders	D	0.157673284

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.473468304
12G_AG	41.56%	Freed	R	0.526531696
12G_Auditor		Depasquale	D	0.387289554
12G_Auditor		Maher	R	0.612710416
12G_President		Obama	D	0.394707948
12G_President		Romney	R	0.605292022
12G_Treasurer		McCord	D	0.420575529
12G_Treasurer		Vaughan	R	0.5794245
12G_US_Senate	53.69%	Casey	D	0.40676263
12G_US_Senate	44.59%	Smith	R	0.59323734
12P_AG	52.82%	Kane	D	0.707831025
12P_AG	47.18%	Murphy	D	0.292168975
12P_US_Senate	80.88%	Casey	D	0.873532355
12P_US_Senate	19.12%	Vodvarka	D	0.126467645
14G_Governor	54.93%	Wolf	D	0.444886863
14G_Governor	45.07%	Corbett	R	0.555113137
14P_Governor	16.84%	McCord	D	0.195381179
14P_Governor	7.66%	McGinty	D	0.10415002
14P_Governor	17.64%	Schwartz	D	0.075835064
14P_Governor	57.86%	Wolf	D	0.624633729
14P_Lt_Governor	15.88%	Critz	D	0.049165122
14P_Lt_Governor	11.91%	Koplinski	D	0.187789887
14P_Lt_Governor	10.84%	Neuman	D	0.04707792
14P_Lt_Governor	14.57%	Smith	D	0.393494904
14P_Lt_Governor	46.79%	Stack	D	0.322472185
16G_AG	51.39%	Shapiro	D	0.352759212
16G_AG	48.61%	Rafferty	R	0.647240818
16G_Auditor		Depasquale	D	0.354750216
16G_Auditor		Brown	R	0.645249784
16G_President	47.85%	Clinton	D	0.289061338
16G_President	48.58%	Trump	R	0.710938632
16G_Treasurer		Torsella	D	0.386317164
16G_Treasurer		Voit	R	0.613682866
16G_US_Senate	47.34%	McGinty	D	0.3325077
16G_US_Senate	48.77%	Toomey	R	0.66749233
16P_AG	16.22%	Morganelli	D	0.360704631
16P_AG	47.03%	Shapiro	D	0.442851901
16P_AG	36.74%	Zappala	D	0.196443453
16P_President	55.61%	Clinton	D	0.477739304
16P_President	0.86%	DeLaFuente	D	0.0134157
16P_President	43.53%	Sanders	D	0.508845031
16P_US_Senate	19.49%	Fetterman	D	0.124431215
16P_US_Senate	42.50%	McGinty	D	0.492025256
16P_US_Senate	32.57%	Sestak	D	0.349629223
16P_US_Senate	5.45%	Vodvarka	D	0.033914316

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.292508453
17G_Supreme_Court		Mundy	R	0.707491517
18G_Governor	57.77%	Wolf	D	0.40486452
18G_Governor	40.70%	Wagner	R	0.59513545
18G_US_Senator		Casey	D	0.365219712
18G_US_Senator		Barletta	R	0.634780288
18P_Lt_Governor	23.78%	Ahmad	D	0.229606628
18P_Lt_Governor	18.55%	Cozzone	D	0.194893032
18P_Lt_Governor	37.48%	Fetterman	D	0.270634919
18P_Lt_Governor	3.58%	Sosa	D	0.041580401
18P_Lt_Governor	16.62%	Stack	D	0.263285011
20G_AG		Shapiro	D	0.343803793
20G_AG		Heidelbaugh	R	0.656196177
20G_Auditor	46.35%	Ahmad	D	0.297216147
20G_Auditor	49.44%	Defoor	R	0.702783823
20G_President	50.01%	Biden	D	0.307361364
20G_President	48.84%	Trump	R	0.692638636
20G_Treasurer		Torsella	D	0.306119293
20G_Treasurer		Garrity	R	0.693880737
20P_Auditor	36.44%	Ahmad	D	0.195989981
20P_Auditor	7.47%	Conklin	D	0.19378446
20P_Auditor	5.99%	Davis	D	0.12364912
20P_Auditor	9.00%	Fountain	D	0.133373439
20P_Auditor	13.97%	Hartman	D	0.199779451
20P_Auditor	27.14%	Lamb	D	0.153423563
20P_President	79.26%	Biden	D	0.765335143
20P_President	2.70%	Gabbard	D	0.048343726
20P_President	18.04%	Sanders	D	0.186321124

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.496131003
12G_AG	41.56%	Freed	R	0.503868997
12G_Auditor		Depasquale	D	0.463395208
12G_Auditor		Maher	R	0.536604762
12G_President		Obama	D	0.465125114
12G_President		Romney	R	0.534874856
12G_Treasurer		McCord	D	0.478633016
12G_Treasurer		Vaughan	R	0.521366954
12G_US_Senate	53.69%	Casey	D	0.483087271
12G_US_Senate	44.59%	Smith	R	0.516912758
12P_AG	52.82%	Kane	D	0.642959714
12P_AG	47.18%	Murphy	D	0.357040286
12P_US_Senate	80.88%	Casey	D	0.852702558
12P_US_Senate	19.12%	Vodvarka	D	0.147297427
14G_Governor	54.93%	Wolf	D	0.474958628
14G_Governor	45.07%	Corbett	R	0.525041401
14P_Governor	16.84%	McCord	D	0.080262274
14P_Governor	7.66%	McGinty	D	0.068392843
14P_Governor	17.64%	Schwartz	D	0.05915574
14P_Governor	57.86%	Wolf	D	0.792189121
14P_Lt_Governor	15.88%	Critz	D	0.048971072
14P_Lt_Governor	11.91%	Koplinski	D	0.479060173
14P_Lt_Governor	10.84%	Neuman	D	0.051807649
14P_Lt_Governor	14.57%	Smith	D	0.087532446
14P_Lt_Governor	46.79%	Stack	D	0.332628638
16G_AG	51.39%	Shapiro	D	0.44267112
16G_AG	48.61%	Rafferty	R	0.55732888
16G_Auditor		Depasquale	D	0.505445778
16G_Auditor		Brown	R	0.494554251
16G_President	47.85%	Clinton	D	0.449061513
16G_President	48.58%	Trump	R	0.550938487
16G_Treasurer		Torsella	D	0.457951456
16G_Treasurer		Voit	R	0.542048573
16G_US_Senate	47.34%	McGinty	D	0.436293811
16G_US_Senate	48.77%	Toomey	R	0.56370616
16P_AG	16.22%	Morganelli	D	0.180456087
16P_AG	47.03%	Shapiro	D	0.573192298
16P_AG	36.74%	Zappala	D	0.246351629
16P_President	55.61%	Clinton	D	0.540354252
16P_President	0.86%	DeLaFuente	D	0.007861385
16P_President	43.53%	Sanders	D	0.451784402
16P_US_Senate	19.49%	Fetterman	D	0.155576184
16P_US_Senate	42.50%	McGinty	D	0.518854499
16P_US_Senate	32.57%	Sestak	D	0.291432828
16P_US_Senate	5.45%	Vodvarka	D	0.034136463

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.376492709
17G_Supreme_Court		Mundy	R	0.623507321
18G_Governor	57.77%	Wolf	D	0.54860121
18G_Governor	40.70%	Wagner	R	0.45139882
18G_US_Senator		Casey	D	0.507067263
18G_US_Senator		Barletta	R	0.492932707
18P_Lt_Governor	23.78%	Ahmad	D	0.366348922
18P_Lt_Governor	18.55%	Cozzone	D	0.168390349
18P_Lt_Governor	37.48%	Fetterman	D	0.346555769
18P_Lt_Governor	3.58%	Sosa	D	0.028380094
18P_Lt_Governor	16.62%	Stack	D	0.090324849
20G_AG		Shapiro	D	0.482432872
20G_AG		Heidelbaugh	R	0.517567098
20G_Auditor	46.35%	Ahmad	D	0.440371454
20G_Auditor	49.44%	Defoor	R	0.559628546
20G_President	50.01%	Biden	D	0.480299652
20G_President	48.84%	Trump	R	0.519700348
20G_Treasurer		Torsella	D	0.454604656
20G_Treasurer		Garrity	R	0.545395374
20P_Auditor	36.44%	Ahmad	D	0.178523734
20P_Auditor	7.47%	Conklin	D	0.081704319
20P_Auditor	5.99%	Davis	D	0.036719542
20P_Auditor	9.00%	Fountain	D	0.408668488
20P_Auditor	13.97%	Hartman	D	0.20313251
20P_Auditor	27.14%	Lamb	D	0.091251403
20P_President	79.26%	Biden	D	0.795528412
20P_President	2.70%	Gabbard	D	0.025083827
20P_President	18.04%	Sanders	D	0.179387748

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.43524009
12G_AG	41.56%	Freed	R	0.56475991
12G_Auditor		Depasquale	D	0.358683825
12G_Auditor		Maher	R	0.641316175
12G_President		Obama	D	0.389568418
12G_President		Romney	R	0.610431552
12G_Treasurer		McCord	D	0.388015568
12G_Treasurer		Vaughan	R	0.611984432
12G_US_Senate	53.69%	Casey	D	0.40252158
12G_US_Senate	44.59%	Smith	R	0.597478449
12P_AG	52.82%	Kane	D	0.572076857
12P_AG	47.18%	Murphy	D	0.427923143
12P_US_Senate	80.88%	Casey	D	0.862640321
12P_US_Senate	19.12%	Vodvarka	D	0.137359694
14G_Governor	54.93%	Wolf	D	0.398585111
14G_Governor	45.07%	Corbett	R	0.601414919
14P_Governor	16.84%	McCord	D	0.10542725
14P_Governor	7.66%	McGinty	D	0.084382817
14P_Governor	17.64%	Schwartz	D	0.102022395
14P_Governor	57.86%	Wolf	D	0.708167553
14P_Lt_Governor	15.88%	Critz	D	0.054834317
14P_Lt_Governor	11.91%	Koplinski	D	0.391193837
14P_Lt_Governor	10.84%	Neuman	D	0.04925102
14P_Lt_Governor	14.57%	Smith	D	0.105356336
14P_Lt_Governor	46.79%	Stack	D	0.399364501
16G_AG	51.39%	Shapiro	D	0.369627565
16G_AG	48.61%	Rafferty	R	0.630372405
16G_Auditor		Depasquale	D	0.391403526
16G_Auditor		Brown	R	0.608596444
16G_President	47.85%	Clinton	D	0.373170406
16G_President	48.58%	Trump	R	0.626829624
16G_Treasurer		Torsella	D	0.378749162
16G_Treasurer		Voit	R	0.621250868
16G_US_Senate	47.34%	McGinty	D	0.36722669
16G_US_Senate	48.77%	Toomey	R	0.63277328
16P_AG	16.22%	Morganelli	D	0.18355079
16P_AG	47.03%	Shapiro	D	0.586877704
16P_AG	36.74%	Zappala	D	0.229571521
16P_President	55.61%	Clinton	D	0.485527903
16P_President	0.86%	DeLaFuente	D	0.006540957
16P_President	43.53%	Sanders	D	0.507931113
16P_US_Senate	19.49%	Fetterman	D	0.155688629
16P_US_Senate	42.50%	McGinty	D	0.526058972
16P_US_Senate	32.57%	Sestak	D	0.309843272
16P_US_Senate	5.45%	Vodvarka	D	0.008409108

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.319145292
17G_Supreme_Court		Mundy	R	0.680854738
18G_Governor	57.77%	Wolf	D	0.465594739
18G_Governor	40.70%	Wagner	R	0.534405291
18G_US_Senator		Casey	D	0.434171736
18G_US_Senator		Barletta	R	0.565828264
18P_Lt_Governor	23.78%	Ahmad	D	0.382147491
18P_Lt_Governor	18.55%	Cozzone	D	0.229137912
18P_Lt_Governor	37.48%	Fetterman	D	0.283096999
18P_Lt_Governor	3.58%	Sosa	D	0.028276237
18P_Lt_Governor	16.62%	Stack	D	0.077341363
20G_AG		Shapiro	D	0.391051441
20G_AG		Heidelbaugh	R	0.608948529
20G_Auditor	46.35%	Ahmad	D	0.360744089
20G_Auditor	49.44%	Defoor	R	0.639255881
20G_President	50.01%	Biden	D	0.396017432
20G_President	48.84%	Trump	R	0.603982568
20G_Treasurer		Torsella	D	0.365432262
20G_Treasurer		Garrity	R	0.634567738
20P_Auditor	36.44%	Ahmad	D	0.125266835
20P_Auditor	7.47%	Conklin	D	0.035416964
20P_Auditor	5.99%	Davis	D	0.021897681
20P_Auditor	9.00%	Fountain	D	0.14111641
20P_Auditor	13.97%	Hartman	D	0.630959153
20P_Auditor	27.14%	Lamb	D	0.045342963
20P_President	79.26%	Biden	D	0.765846968
20P_President	2.70%	Gabbard	D	0.025323736
20P_President	18.04%	Sanders	D	0.208829328

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.395086735
12G_AG	41.56%	Freed	R	0.604913294
12G_Auditor		Depasquale	D	0.307176024
12G_Auditor		Maher	R	0.692823946
12G_President		Obama	D	0.31502676
12G_President		Romney	R	0.68497324
12G_Treasurer		McCord	D	0.340440899
12G_Treasurer		Vaughan	R	0.659559071
12G_US_Senate	53.69%	Casey	D	0.339767128
12G_US_Senate	44.59%	Smith	R	0.660232842
12P_AG	52.82%	Kane	D	0.64124614
12P_AG	47.18%	Murphy	D	0.35875383
12P_US_Senate	80.88%	Casey	D	0.817818105
12P_US_Senate	19.12%	Vodvarka	D	0.182181865
14G_Governor	54.93%	Wolf	D	0.366194665
14G_Governor	45.07%	Corbett	R	0.633805335
14P_Governor	16.84%	McCord	D	0.13239722
14P_Governor	7.66%	McGinty	D	0.099271655
14P_Governor	17.64%	Schwartz	D	0.059913158
14P_Governor	57.86%	Wolf	D	0.708417952
14P_Lt_Governor	15.88%	Critz	D	0.286922723
14P_Lt_Governor	11.91%	Koplinski	D	0.256210953
14P_Lt_Governor	10.84%	Neuman	D	0.061918914
14P_Lt_Governor	14.57%	Smith	D	0.155311689
14P_Lt_Governor	46.79%	Stack	D	0.239635721
16G_AG	51.39%	Shapiro	D	0.29358685
16G_AG	48.61%	Rafferty	R	0.70641315
16G_Auditor		Depasquale	D	0.312143147
16G_Auditor		Brown	R	0.687856853
16G_President	47.85%	Clinton	D	0.257303089
16G_President	48.58%	Trump	R	0.742696881
16G_Treasurer		Torsella	D	0.303056777
16G_Treasurer		Voit	R	0.696943223
16G_US_Senate	47.34%	McGinty	D	0.276349992
16G_US_Senate	48.77%	Toomey	R	0.723650038
16P_AG	16.22%	Morganelli	D	0.225843832
16P_AG	47.03%	Shapiro	D	0.498714775
16P_AG	36.74%	Zappala	D	0.275441408
16P_President	55.61%	Clinton	D	0.478957921
16P_President	0.86%	DeLaFuente	D	0.013713702
16P_President	43.53%	Sanders	D	0.507328391
16P_US_Senate	19.49%	Fetterman	D	0.153419629
16P_US_Senate	42.50%	McGinty	D	0.488535464
16P_US_Senate	32.57%	Sestak	D	0.31794861
16P_US_Senate	5.45%	Vodvarka	D	0.040096294

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.251768798
17G_Supreme_Court		Mundy	R	0.748231232
18G_Governor	57.77%	Wolf	D	0.35122937
18G_Governor	40.70%	Wagner	R	0.64877063
18G_US_Senator		Casey	D	0.333604395
18G_US_Senator		Barletta	R	0.666395605
18P_Lt_Governor	23.78%	Ahmad	D	0.265985221
18P_Lt_Governor	18.55%	Cozzone	D	0.240365371
18P_Lt_Governor	37.48%	Fetterman	D	0.366115689
18P_Lt_Governor	3.58%	Sosa	D	0.039930403
18P_Lt_Governor	16.62%	Stack	D	0.087603308
20G_AG		Shapiro	D	0.280484378
20G_AG		Heidelbaugh	R	0.719515622
20G_Auditor	46.35%	Ahmad	D	0.24950847
20G_Auditor	49.44%	Defoor	R	0.75049156
20G_President	50.01%	Biden	D	0.274785101
20G_President	48.84%	Trump	R	0.725214899
20G_Treasurer		Torsella	D	0.260756791
20G_Treasurer		Garrity	R	0.739243209
20P_Auditor	36.44%	Ahmad	D	0.151388511
20P_Auditor	7.47%	Conklin	D	0.290947288
20P_Auditor	5.99%	Davis	D	0.047570109
20P_Auditor	9.00%	Fountain	D	0.194002926
20P_Auditor	13.97%	Hartman	D	0.203115001
20P_Auditor	27.14%	Lamb	D	0.112976156
20P_President	79.26%	Biden	D	0.779221058
20P_President	2.70%	Gabbard	D	0.040263362
20P_President	18.04%	Sanders	D	0.180515572

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.516734302
12G_AG	41.56%	Freed	R	0.483265728
12G_Auditor		Depasquale	D	0.444090873
12G_Auditor		Maher	R	0.555909097
12G_President		Obama	D	0.396541536
12G_President		Romney	R	0.603458464
12G_Treasurer		McCord	D	0.459802955
12G_Treasurer		Vaughan	R	0.540197074
12G_US_Senate	53.69%	Casey	D	0.445192486
12G_US_Senate	44.59%	Smith	R	0.554807544
12P_AG	52.82%	Kane	D	0.594738424
12P_AG	47.18%	Murphy	D	0.405261576
12P_US_Senate	80.88%	Casey	D	0.755363047
12P_US_Senate	19.12%	Vodvarka	D	0.244636923
14G_Governor	54.93%	Wolf	D	0.472643018
14G_Governor	45.07%	Corbett	R	0.527356982
14P_Governor	16.84%	McCord	D	0.194950506
14P_Governor	7.66%	McGinty	D	0.108583495
14P_Governor	17.64%	Schwartz	D	0.06724599
14P_Governor	57.86%	Wolf	D	0.629220009
14P_Lt_Governor	15.88%	Critz	D	0.435883701
14P_Lt_Governor	11.91%	Koplinski	D	0.02596141
14P_Lt_Governor	10.84%	Neuman	D	0.318002135
14P_Lt_Governor	14.57%	Smith	D	0.055925902
14P_Lt_Governor	46.79%	Stack	D	0.16422686
16G_AG	51.39%	Shapiro	D	0.412244022
16G_AG	48.61%	Rafferty	R	0.587755978
16G_Auditor		Depasquale	D	0.459846675
16G_Auditor		Brown	R	0.540153325
16G_President	47.85%	Clinton	D	0.332441121
16G_President	48.58%	Trump	R	0.667558908
16G_Treasurer		Torsella	D	0.449982077
16G_Treasurer		Voit	R	0.550017953
16G_US_Senate	47.34%	McGinty	D	0.372253478
16G_US_Senate	48.77%	Toomey	R	0.627746522
16P_AG	16.22%	Morganelli	D	0.088714175
16P_AG	47.03%	Shapiro	D	0.235221192
16P_AG	36.74%	Zappala	D	0.67606461
16P_President	55.61%	Clinton	D	0.551145077
16P_President	0.86%	DeLaFuente	D	0.018417249
16P_President	43.53%	Sanders	D	0.430437684
16P_US_Senate	19.49%	Fetterman	D	0.287142426
16P_US_Senate	42.50%	McGinty	D	0.428433895
16P_US_Senate	32.57%	Sestak	D	0.238035291
16P_US_Senate	5.45%	Vodvarka	D	0.046388373

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.41191861
17G_Supreme_Court		Mundy	R	0.588081419
18G_Governor	57.77%	Wolf	D	0.464623213
18G_Governor	40.70%	Wagner	R	0.535376787
18G_US_Senator		Casey	D	0.451816052
18G_US_Senator		Barletta	R	0.548183978
18P_Lt_Governor	23.78%	Ahmad	D	0.102745354
18P_Lt_Governor	18.55%	Cozzone	D	0.137440547
18P_Lt_Governor	37.48%	Fetterman	D	0.693947256
18P_Lt_Governor	3.58%	Sosa	D	0.019693039
18P_Lt_Governor	16.62%	Stack	D	0.0461738
20G_AG		Shapiro	D	0.403912187
20G_AG		Heidelbaugh	R	0.596087813
20G_Auditor	46.35%	Ahmad	D	0.341050237
20G_Auditor	49.44%	Defoor	R	0.658949733
20G_President	50.01%	Biden	D	0.342886627
20G_President	48.84%	Trump	R	0.657113373
20G_Treasurer		Torsella	D	0.359435678
20G_Treasurer		Garrity	R	0.640564322
20P_Auditor	36.44%	Ahmad	D	0.093970641
20P_Auditor	7.47%	Conklin	D	0.083199941
20P_Auditor	5.99%	Davis	D	0.024258893
20P_Auditor	9.00%	Fountain	D	0.032485824
20P_Auditor	13.97%	Hartman	D	0.060045417
20P_Auditor	27.14%	Lamb	D	0.70603931
20P_President	79.26%	Biden	D	0.790060282
20P_President	2.70%	Gabbard	D	0.055571157
20P_President	18.04%	Sanders	D	0.154368579

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.496006936
12G_AG	41.56%	Freed	R	0.503993034
12G_Auditor		Depasquale	D	0.400967419
12G_Auditor		Maher	R	0.599032581
12G_President		Obama	D	0.390104145
12G_President		Romney	R	0.609895885
12G_Treasurer		McCord	D	0.438691258
12G_Treasurer		Vaughan	R	0.561308742
12G_US_Senate	53.69%	Casey	D	0.408129364
12G_US_Senate	44.59%	Smith	R	0.591870606
12P_AG	52.82%	Kane	D	0.606367648
12P_AG	47.18%	Murphy	D	0.393632352
12P_US_Senate	80.88%	Casey	D	0.802458823
12P_US_Senate	19.12%	Vodvarka	D	0.197541177
14G_Governor	54.93%	Wolf	D	0.468111396
14G_Governor	45.07%	Corbett	R	0.531888604
14P_Governor	16.84%	McCord	D	0.217580825
14P_Governor	7.66%	McGinty	D	0.110489093
14P_Governor	17.64%	Schwartz	D	0.078801736
14P_Governor	57.86%	Wolf	D	0.593128324
14P_Lt_Governor	15.88%	Critz	D	0.524647713
14P_Lt_Governor	11.91%	Koplinski	D	0.091431439
14P_Lt_Governor	10.84%	Neuman	D	0.061585117
14P_Lt_Governor	14.57%	Smith	D	0.181722835
14P_Lt_Governor	46.79%	Stack	D	0.140612885
16G_AG	51.39%	Shapiro	D	0.38021794
16G_AG	48.61%	Rafferty	R	0.619782031
16G_Auditor		Depasquale	D	0.396131426
16G_Auditor		Brown	R	0.603868544
16G_President	47.85%	Clinton	D	0.314613402
16G_President	48.58%	Trump	R	0.685386598
16G_Treasurer		Torsella	D	0.406899124
16G_Treasurer		Voit	R	0.593100905
16G_US_Senate	47.34%	McGinty	D	0.346723944
16G_US_Senate	48.77%	Toomey	R	0.653276086
16P_AG	16.22%	Morganelli	D	0.194625288
16P_AG	47.03%	Shapiro	D	0.416651636
16P_AG	36.74%	Zappala	D	0.388723075
16P_President	55.61%	Clinton	D	0.466793507
16P_President	0.86%	DeLaFuente	D	0.018663166
16P_President	43.53%	Sanders	D	0.514543355
16P_US_Senate	19.49%	Fetterman	D	0.22030209
16P_US_Senate	42.50%	McGinty	D	0.440327168
16P_US_Senate	32.57%	Sestak	D	0.282501161
16P_US_Senate	5.45%	Vodvarka	D	0.0568696

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.352406412
17G_Supreme_Court		Mundy	R	0.647593617
18G_Governor	57.77%	Wolf	D	0.417471617
18G_Governor	40.70%	Wagner	R	0.582528412
18G_US_Senator		Casey	D	0.419044048
18G_US_Senator		Barletta	R	0.580955923
18P_Lt_Governor	23.78%	Ahmad	D	0.136422783
18P_Lt_Governor	18.55%	Cozzone	D	0.224108353
18P_Lt_Governor	37.48%	Fetterman	D	0.530105889
18P_Lt_Governor	3.58%	Sosa	D	0.036375467
18P_Lt_Governor	16.62%	Stack	D	0.072987519
20G_AG		Shapiro	D	0.345079064
20G_AG		Heidelbaugh	R	0.654920936
20G_Auditor	46.35%	Ahmad	D	0.297466427
20G_Auditor	49.44%	Defoor	R	0.702533603
20G_President	50.01%	Biden	D	0.313506603
20G_President	48.84%	Trump	R	0.686493397
20G_Treasurer		Torsella	D	0.319403678
20G_Treasurer		Garrity	R	0.680596292
20P_Auditor	36.44%	Ahmad	D	0.085696556
20P_Auditor	7.47%	Conklin	D	0.484149724
20P_Auditor	5.99%	Davis	D	0.035535824
20P_Auditor	9.00%	Fountain	D	0.053248033
20P_Auditor	13.97%	Hartman	D	0.068509504
20P_Auditor	27.14%	Lamb	D	0.272860378
20P_President	79.26%	Biden	D	0.749800384
20P_President	2.70%	Gabbard	D	0.053738941
20P_President	18.04%	Sanders	D	0.196460649

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.507851779
12G_AG	41.56%	Freed	R	0.49214825
12G_Auditor		Depasquale	D	0.445312291
12G_Auditor		Maher	R	0.554687679
12G_President		Obama	D	0.46145615
12G_President		Romney	R	0.53854388
12G_Treasurer		McCord	D	0.486624569
12G_Treasurer		Vaughan	R	0.513375401
12G_US_Senate	53.69%	Casey	D	0.468809128
12G_US_Senate	44.59%	Smith	R	0.531190872
12P_AG	52.82%	Kane	D	0.682524681
12P_AG	47.18%	Murphy	D	0.317475319
12P_US_Senate	80.88%	Casey	D	0.771982372
12P_US_Senate	19.12%	Vodvarka	D	0.228017658
14G_Governor	54.93%	Wolf	D	0.484025031
14G_Governor	45.07%	Corbett	R	0.515974998
14P_Governor	16.84%	McCord	D	0.252910346
14P_Governor	7.66%	McGinty	D	0.089318536
14P_Governor	17.64%	Schwartz	D	0.071867839
14P_Governor	57.86%	Wolf	D	0.585903287
14P_Lt_Governor	15.88%	Critz	D	0.17082803
14P_Lt_Governor	11.91%	Koplinski	D	0.097223267
14P_Lt_Governor	10.84%	Neuman	D	0.214940891
14P_Lt_Governor	14.57%	Smith	D	0.303041667
14P_Lt_Governor	46.79%	Stack	D	0.213966161
16G_AG	51.39%	Shapiro	D	0.417018861
16G_AG	48.61%	Rafferty	R	0.58298111
16G_Auditor		Depasquale	D	0.433674157
16G_Auditor		Brown	R	0.566325843
16G_President	47.85%	Clinton	D	0.380331844
16G_President	48.58%	Trump	R	0.619668186
16G_Treasurer		Torsella	D	0.452646822
16G_Treasurer		Voit	R	0.547353208
16G_US_Senate	47.34%	McGinty	D	0.391848832
16G_US_Senate	48.77%	Toomey	R	0.608151138
16P_AG	16.22%	Morganelli	D	0.16849497
16P_AG	47.03%	Shapiro	D	0.369586945
16P_AG	36.74%	Zappala	D	0.461918086
16P_President	55.61%	Clinton	D	0.52849865
16P_President	0.86%	DeLaFuente	D	0.012780031
16P_President	43.53%	Sanders	D	0.45872131
16P_US_Senate	19.49%	Fetterman	D	0.240356043
16P_US_Senate	42.50%	McGinty	D	0.377978504
16P_US_Senate	32.57%	Sestak	D	0.3097758
16P_US_Senate	5.45%	Vodvarka	D	0.071889654

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.392162502
17G_Supreme_Court		Mundy	R	0.607837498
18G_Governor	57.77%	Wolf	D	0.48996672
18G_Governor	40.70%	Wagner	R	0.510033309
18G_US_Senator		Casey	D	0.475096792
18G_US_Senator		Barletta	R	0.524903178
18P_Lt_Governor	23.78%	Ahmad	D	0.101126753
18P_Lt_Governor	18.55%	Cozzone	D	0.196300372
18P_Lt_Governor	37.48%	Fetterman	D	0.625182033
18P_Lt_Governor	3.58%	Sosa	D	0.025217813
18P_Lt_Governor	16.62%	Stack	D	0.052173026
20G_AG		Shapiro	D	0.42609787
20G_AG		Heidelbaugh	R	0.57390213
20G_Auditor	46.35%	Ahmad	D	0.372378677
20G_Auditor	49.44%	Defoor	R	0.627621353
20G_President	50.01%	Biden	D	0.389117062
20G_President	48.84%	Trump	R	0.610882938
20G_Treasurer		Torsella	D	0.389862925
20G_Treasurer		Garrity	R	0.610137045
20P_Auditor	36.44%	Ahmad	D	0.12641488
20P_Auditor	7.47%	Conklin	D	0.079078101
20P_Auditor	5.99%	Davis	D	0.051387358
20P_Auditor	9.00%	Fountain	D	0.064018972
20P_Auditor	13.97%	Hartman	D	0.099937901
20P_Auditor	27.14%	Lamb	D	0.579162776
20P_President	79.26%	Biden	D	0.792595088
20P_President	2.70%	Gabbard	D	0.03720019
20P_President	18.04%	Sanders	D	0.170204714

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.533095956
12G_AG	41.56%	Freed	R	0.466904074
12G_Auditor		Depasquale	D	0.476858467
12G_Auditor		Maher	R	0.523141563
12G_President		Obama	D	0.463125646
12G_President		Romney	R	0.536874354
12G_Treasurer		McCord	D	0.504466414
12G_Treasurer		Vaughan	R	0.495533586
12G_US_Senate	53.69%	Casey	D	0.502070189
12G_US_Senate	44.59%	Smith	R	0.497929811
12P_AG	52.82%	Kane	D	0.534156382
12P_AG	47.18%	Murphy	D	0.465843618
12P_US_Senate	80.88%	Casey	D	0.71474725
12P_US_Senate	19.12%	Vodvarka	D	0.28525275
14G_Governor	54.93%	Wolf	D	0.489745766
14G_Governor	45.07%	Corbett	R	0.510254204
14P_Governor	16.84%	McCord	D	0.173800781
14P_Governor	7.66%	McGinty	D	0.10886696
14P_Governor	17.64%	Schwartz	D	0.11091347
14P_Governor	57.86%	Wolf	D	0.606418788
14P_Lt_Governor	15.88%	Critz	D	0.343764037
14P_Lt_Governor	11.91%	Koplinski	D	0.045070421
14P_Lt_Governor	10.84%	Neuman	D	0.231312513
14P_Lt_Governor	14.57%	Smith	D	0.081792206
14P_Lt_Governor	46.79%	Stack	D	0.298060834
16G_AG	51.39%	Shapiro	D	0.490459204
16G_AG	48.61%	Rafferty	R	0.509540796
16G_Auditor		Depasquale	D	0.551934838
16G_Auditor		Brown	R	0.448065132
16G_President	47.85%	Clinton	D	0.476277441
16G_President	48.58%	Trump	R	0.523722589
16G_Treasurer		Torsella	D	0.529473543
16G_Treasurer		Voit	R	0.470526457
16G_US_Senate	47.34%	McGinty	D	0.467158496
16G_US_Senate	48.77%	Toomey	R	0.532841504
16P_AG	16.22%	Morganelli	D	0.048334137
16P_AG	47.03%	Shapiro	D	0.194773093
16P_AG	36.74%	Zappala	D	0.756892741
16P_President	55.61%	Clinton	D	0.550595343
16P_President	0.86%	DeLaFuente	D	0.010546043
16P_President	43.53%	Sanders	D	0.438858598
16P_US_Senate	19.49%	Fetterman	D	0.358017713
16P_US_Senate	42.50%	McGinty	D	0.371121198
16P_US_Senate	32.57%	Sestak	D	0.206260741
16P_US_Senate	5.45%	Vodvarka	D	0.064600326

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.532408059
17G_Supreme_Court		Mundy	R	0.467591912
18G_Governor	57.77%	Wolf	D	0.595016003
18G_Governor	40.70%	Wagner	R	0.404983997
18G_US_Senator		Casey	D	0.57658869
18G_US_Senator		Barletta	R	0.42341131
18P_Lt_Governor	23.78%	Ahmad	D	0.121343859
18P_Lt_Governor	18.55%	Cozzone	D	0.083973847
18P_Lt_Governor	37.48%	Fetterman	D	0.755538523
18P_Lt_Governor	3.58%	Sosa	D	0.011042326
18P_Lt_Governor	16.62%	Stack	D	0.028101416
20G_AG		Shapiro	D	0.548793912
20G_AG		Heidelbaugh	R	0.451206088
20G_Auditor	46.35%	Ahmad	D	0.485533446
20G_Auditor	49.44%	Defoor	R	0.514466524
20G_President	50.01%	Biden	D	0.506357312
20G_President	48.84%	Trump	R	0.493642688
20G_Treasurer		Torsella	D	0.496694356
20G_Treasurer		Garrity	R	0.503305674
20P_Auditor	36.44%	Ahmad	D	0.10491775
20P_Auditor	7.47%	Conklin	D	0.015915941
20P_Auditor	5.99%	Davis	D	0.016587719
20P_Auditor	9.00%	Fountain	D	0.036844373
20P_Auditor	13.97%	Hartman	D	0.032830935
20P_Auditor	27.14%	Lamb	D	0.792903304
20P_President	79.26%	Biden	D	0.783959627
20P_President	2.70%	Gabbard	D	0.037168894
20P_President	18.04%	Sanders	D	0.178871512

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.692889452
12G_AG	41.56%	Freed	R	0.307110548
12G_Auditor		Depasquale	D	0.654961467
12G_Auditor		Maher	R	0.345038563
12G_President		Obama	D	0.636776209
12G_President		Romney	R	0.363223821
12G_Treasurer		McCord	D	0.677700818
12G_Treasurer		Vaughan	R	0.322299182
12G_US_Senate	53.69%	Casey	D	0.665724754
12G_US_Senate	44.59%	Smith	R	0.334275246
12P_AG	52.82%	Kane	D	0.529067695
12P_AG	47.18%	Murphy	D	0.470932305
12P_US_Senate	80.88%	Casey	D	0.721289277
12P_US_Senate	19.12%	Vodvarka	D	0.278710723
14G_Governor	54.93%	Wolf	D	0.645941734
14G_Governor	45.07%	Corbett	R	0.354058266
14P_Governor	16.84%	McCord	D	0.142969474
14P_Governor	7.66%	McGinty	D	0.10216441
14P_Governor	17.64%	Schwartz	D	0.14512147
14P_Governor	57.86%	Wolf	D	0.609744668
14P_Lt_Governor	15.88%	Critz	D	0.30357638
14P_Lt_Governor	11.91%	Koplinski	D	0.069545582
14P_Lt_Governor	10.84%	Neuman	D	0.201692939
14P_Lt_Governor	14.57%	Smith	D	0.071988203
14P_Lt_Governor	46.79%	Stack	D	0.353196919
16G_AG	51.39%	Shapiro	D	0.653139055
16G_AG	48.61%	Rafferty	R	0.346860915
16G_Auditor		Depasquale	D	0.708302617
16G_Auditor		Brown	R	0.291697353
16G_President	47.85%	Clinton	D	0.628877997
16G_President	48.58%	Trump	R	0.371121973
16G_Treasurer		Torsella	D	0.688727856
16G_Treasurer		Voit	R	0.311272144
16G_US_Senate	47.34%	McGinty	D	0.634685695
16G_US_Senate	48.77%	Toomey	R	0.365314305
16P_AG	16.22%	Morganelli	D	0.041906454
16P_AG	47.03%	Shapiro	D	0.243369296
16P_AG	36.74%	Zappala	D	0.714724243
16P_President	55.61%	Clinton	D	0.553664744
16P_President	0.86%	DeLaFuente	D	0.008001129
16P_President	43.53%	Sanders	D	0.438334137
16P_US_Senate	19.49%	Fetterman	D	0.446992695
16P_US_Senate	42.50%	McGinty	D	0.324288011
16P_US_Senate	32.57%	Sestak	D	0.176565334
16P_US_Senate	5.45%	Vodvarka	D	0.052153945

**Reconstituted Election Results for the Proposed Congressional Plan of Ali et al.
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.66892308
17G_Supreme_Court		Mundy	R	0.33107695
18G_Governor	57.77%	Wolf	D	0.722930431
18G_Governor	40.70%	Wagner	R	0.277069569
18G_US_Senator		Casey	D	0.708917379
18G_US_Senator		Barletta	R	0.291082591
18P_Lt_Governor	23.78%	Ahmad	D	0.135349959
18P_Lt_Governor	18.55%	Cozzone	D	0.059872985
18P_Lt_Governor	37.48%	Fetterman	D	0.770653307
18P_Lt_Governor	3.58%	Sosa	D	0.009373045
18P_Lt_Governor	16.62%	Stack	D	0.024750696
20G_AG		Shapiro	D	0.680289745
20G_AG		Heidelbaugh	R	0.319710284
20G_Auditor	46.35%	Ahmad	D	0.633994102
20G_Auditor	49.44%	Defoor	R	0.366005898
20G_President	50.01%	Biden	D	0.635944724
20G_President	48.84%	Trump	R	0.364055276
20G_Treasurer		Torsella	D	0.641655743
20G_Treasurer		Garrity	R	0.358344257
20P_Auditor	36.44%	Ahmad	D	0.140036643
20P_Auditor	7.47%	Conklin	D	0.011315951
20P_Auditor	5.99%	Davis	D	0.01762435
20P_Auditor	9.00%	Fountain	D	0.05280311
20P_Auditor	13.97%	Hartman	D	0.025646226
20P_Auditor	27.14%	Lamb	D	0.752573729
20P_President	79.26%	Biden	D	0.750966311
20P_President	2.70%	Gabbard	D	0.031028181
20P_President	18.04%	Sanders	D	0.218005478

Voters of the Commonwealth

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.540441692
12G_AG	41.56%	Freed	R	0.459558308
12G_Auditor		Depasquale	D	0.489970267
12G_Auditor		Maher	R	0.510029733
12G_President		Obama	D	0.512805939
12G_President		Romney	R	0.487194091
12G_Treasurer		McCord	D	0.515749991
12G_Treasurer		Vaughan	R	0.484250009
12G_US_Senate	53.69%	Casey	D	0.53457427
12G_US_Senate	44.59%	Smith	R	0.4654257
12P_AG	52.82%	Kane	D	0.292028338
12P_AG	47.18%	Murphy	D	0.707971692
12P_US_Senate	80.88%	Casey	D	0.836419582
12P_US_Senate	19.12%	Vodvarka	D	0.163580433
14G_Governor	54.93%	Wolf	D	0.537738919
14G_Governor	45.07%	Corbett	R	0.462261051
14P_Governor	16.84%	McCord	D	0.145991504
14P_Governor	7.66%	McGinty	D	0.057921261
14P_Governor	17.64%	Schwartz	D	0.282784283
14P_Governor	57.86%	Wolf	D	0.513302982
14P_Lt_Governor	15.88%	Critz	D	0.031103075
14P_Lt_Governor	11.91%	Koplinski	D	0.088511154
14P_Lt_Governor	10.84%	Neuman	D	0.055213984
14P_Lt_Governor	14.57%	Smith	D	0.110500298
14P_Lt_Governor	46.79%	Stack	D	0.714671493
15G_Mayor		Kenney	D	0.659960628
15G_Mayor		Bailey	R	0.331257641
15G_Mayor		Foster	U	0.005375486
15G_Mayor		Hart	U	0.002075683
15G_Mayor		Kindij	U	0.001330566
15G_Sheriff		Williams	D	0.460336715
15G_Sheriff		Sawyer	R	0.539663315
15P_Mayor		Abraham	D	0.158237666
15P_Mayor		Diaz	D	0.01388458
15P_Mayor		Kenney	D	0.753878355
15P_Mayor		Oliver	D	0.01140242
15P_Mayor		Street	D	0.003568104
15P_Mayor		Williams	D	0.059028856
16G_AG	51.39%	Shapiro	D	0.514088333
16G_AG	48.61%	Rafferty	R	0.485911638
16G_Auditor		Depasquale	D	0.483946085
16G_Auditor		Brown	R	0.516053915
16G_Congress_Dist1		Brady	D	0.591628373
16G_Congress_Dist1		Williams	R	0.408371627
16G_President	47.85%	Clinton	D	0.5023669
16G_President	48.58%	Trump	R	0.4976331

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

16G_Treasurer		Torsella	D	0.513006866
16G_Treasurer		Voit	R	0.486993134
16G_US_Senate	47.34%	McGinty	D	0.474685192
16G_US_Senate	48.77%	Toomey	R	0.525314808
16P_AG	16.22%	Morganelli	D	0.168229014
16P_AG	47.03%	Shapiro	D	0.593559861
16P_AG	36.74%	Zappala	D	0.23821114
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.55610019
16P_President	0.86%	DeLaFuente	D	0.010877022
16P_President	43.53%	Sanders	D	0.433022797
16P_US_Senate	19.49%	Fetterman	D	0.118319139
16P_US_Senate	42.50%	McGinty	D	0.42081663
16P_US_Senate	32.57%	Sestak	D	0.416514695
16P_US_Senate	5.45%	Vodvarka	D	0.044349562
17G_Supreme_Court		Woodruff	D	0.477193862
17G_Supreme_Court		Mundy	R	0.522806108
17P_DA		Deni	D	0.026778998
17P_DA		Khan	D	0.190762743
17P_DA		Krasner	D	0.118549719
17P_DA		Negrin	D	0.277117491
17P_DA		ONeill	D	0.221453294
17P_DA		Shabazz	D	0.018354144
17P_DA		Untermeyer	D	0.146983609
18G_Congress_Dist2		Boyle	D	0.594004333
18G_Congress_Dist2		Torres	R	0.405995637
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.59382093
18G_Governor	40.70%	Wagner	R	0.40617907
18G_US_Senator		Casey	D	0.572604716
18G_US_Senator		Barletta	R	0.427395284
18P_Congress_Dist2		Boyle	D	0.799623728
18P_Congress_Dist2		Lawrence	D	0.200376287
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	
18P_Congress_Dist5		Sheehan	D	

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.263610244
18P_Lt_Governor	18.55%	Cozzone	D	0.203648284
18P_Lt_Governor	37.48%	Fetterman	D	0.193496197
18P_Lt_Governor	3.58%	Sosa	D	0.068516418
18P_Lt_Governor	16.62%	Stack	D	0.270728856
19P_Mayor		Butkovitz	D	0.307663828
19P_Mayor		Kenney	D	0.515981734
19P_Mayor		Williams	D	0.176354438
19P_Municipal_Judge		Brunson	D	0.361006707
19P_Municipal_Judge		Conroy	D	0.638993323
19P_Register_Wills		Donatucci	D	0.555815995
19P_Register_Wills		Gordon	D	0.32112512
19P_Register_Wills		Whaumbush	D	0.123058893
20G_AG		Shapiro	D	0.524007082
20G_AG		Heidelbaugh	R	0.475992948
20G_Auditor	46.35%	Ahmad	D	0.482850075
20G_Auditor	49.44%	Defoor	R	0.517149925
20G_Congress_Dist2		Boyle	D	0.524559021
20G_Congress_Dist2		Torres	R	0.475440979
20G_President	50.01%	Biden	D	0.515388191
20G_President	48.84%	Trump	R	0.484611839
20G_Treasurer		Torsella	D	0.503947675
20G_Treasurer		Garrity	R	0.496052325
20P_Auditor	36.44%	Ahmad	D	0.608918846
20P_Auditor	7.47%	Conklin	D	0.042764038
20P_Auditor	5.99%	Davis	D	0.043846533
20P_Auditor	9.00%	Fountain	D	0.081845373
20P_Auditor	13.97%	Hartman	D	0.14279975
20P_Auditor	27.14%	Lamb	D	0.079825461
20P_President	79.26%	Biden	D	0.817645788
20P_President	2.70%	Gabbard	D	0.023860861
20P_President	18.04%	Sanders	D	0.15849334
21G_Superior_Judge		Lane	D	0.363048017
21G_Superior_Judge		Sullivan	R	0.636951983
21P_DA		Krasner	D	0.200276032
21P_DA		Vega	D	0.799723983
21P_Superior_Judge		Beck	D	0.252506077
21P_Superior_Judge		Lane	D	0.67025429
21P_Superior_Judge		Neft	D	0.077239633

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.856407225
12G_AG	41.56%	Freed	R	0.14359276
12G_Auditor		Depasquale	D	0.833154202
12G_Auditor		Maher	R	0.166845784
12G_President		Obama	D	0.846414924
12G_President		Romney	R	0.153585106
12G_Treasurer		McCord	D	0.853355885
12G_Treasurer		Vaughan	R	0.146644115
12G_US_Senate	53.69%	Casey	D	0.856656373
12G_US_Senate	44.59%	Smith	R	0.143343598
12P_AG	52.82%	Kane	D	0.35933724
12P_AG	47.18%	Murphy	D	0.64066273
12P_US_Senate	80.88%	Casey	D	0.785954356
12P_US_Senate	19.12%	Vodvarka	D	0.214045644
14G_Governor	54.93%	Wolf	D	0.860609651
14G_Governor	45.07%	Corbett	R	0.13939032
14P_Governor	16.84%	McCord	D	0.144777477
14P_Governor	7.66%	McGinty	D	0.046611357
14P_Governor	17.64%	Schwartz	D	0.321679205
14P_Governor	57.86%	Wolf	D	0.48693198
14P_Lt_Governor	15.88%	Critz	D	0.04431561
14P_Lt_Governor	11.91%	Koplinski	D	0.034477759
14P_Lt_Governor	10.84%	Neuman	D	0.036470696
14P_Lt_Governor	14.57%	Smith	D	0.058918379
14P_Lt_Governor	46.79%	Stack	D	0.825817585
15G_Mayor		Kenney	D	0.82933867
15G_Mayor		Bailey	R	0.158091918
15G_Mayor		Foster	U	0.00669448
15G_Mayor		Hart	U	0.00456587
15G_Mayor		Kindij	U	0.001309096
15G_Sheriff		Williams	D	0.756322026
15G_Sheriff		Sawyer	R	0.243677989
15P_Mayor		Abraham	D	0.10129603
15P_Mayor		Diaz	D	0.063862756
15P_Mayor		Kenney	D	0.567662597
15P_Mayor		Oliver	D	0.040204018
15P_Mayor		Street	D	0.017189903
15P_Mayor		Williams	D	0.209784672
16G_AG	51.39%	Shapiro	D	0.835191667
16G_AG	48.61%	Rafferty	R	0.164808333
16G_Auditor		Depasquale	D	0.828093827
16G_Auditor		Brown	R	0.171906203
16G_Congress_Dist1		Brady	D	0.821224749
16G_Congress_Dist1		Williams	R	0.178775251
16G_President	47.85%	Clinton	D	0.82719785

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.17280212
16G_Treasurer		Torsella	D	0.846877456
16G_Treasurer		Voit	R	0.153122559
16G_US_Senate	47.34%	McGinty	D	0.814365804
16G_US_Senate	48.77%	Toomey	R	0.185634181
16P_AG	16.22%	Morganelli	D	0.117063224
16P_AG	47.03%	Shapiro	D	0.538279295
16P_AG	36.74%	Zappala	D	0.344657481
16P_Congress_Dist2		Evans	D	0.47702077
16P_Congress_Dist2		Fattah	D	0.397125185
16P_Congress_Dist2		Gordon	D	0.112962484
16P_Congress_Dist2		Muroff	D	0.012891582
16P_President	55.61%	Clinton	D	0.621806562
16P_President	0.86%	DeLaFuente	D	0.005028792
16P_President	43.53%	Sanders	D	0.373164654
16P_US_Senate	19.49%	Fetterman	D	0.198456407
16P_US_Senate	42.50%	McGinty	D	0.408130139
16P_US_Senate	32.57%	Sestak	D	0.261989117
16P_US_Senate	5.45%	Vodvarka	D	0.131424308
17G_Supreme_Court		Woodruff	D	0.762516737
17G_Supreme_Court		Mundy	R	0.237483293
17P_DA		Deni	D	0.019429155
17P_DA		Khan	D	0.207141042
17P_DA		Krasner	D	0.354463607
17P_DA		Negrin	D	0.152316555
17P_DA		ONeill	D	0.072704405
17P_DA		Shabazz	D	0.099387601
17P_DA		Untermeyer	D	0.09455765
18G_Congress_Dist2		Boyle	D	0.835027456
18G_Congress_Dist2		Torres	R	0.164972529
18G_Congress_Dist3		Evans	D	0.920364141
18G_Congress_Dist3		Leib	R	0.079635859
18G_Congress_Dist5		Scanlon	D	0.780442834
18G_Congress_Dist5		Kim	R	0.219557196
18G_Governor	57.77%	Wolf	D	0.869538665
18G_Governor	40.70%	Wagner	R	0.130461305
18G_US_Senator		Casey	D	0.865519345
18G_US_Senator		Barletta	R	0.134480655
18P_Congress_Dist2		Boyle	D	0.613201916
18P_Congress_Dist2		Lawrence	D	0.386798054
18P_Congress_Dist5		Arata	D	0.024691358
18P_Congress_Dist5		Davidson	D	0.008230452
18P_Congress_Dist5		Kirkland	D	0.020576132
18P_Congress_Dist5		Lazer	D	0.316872418
18P_Congress_Dist5		Li	D	0.119341567
18P_Congress_Dist5		Lunkenheimer	D	0.131687239
18P_Congress_Dist5		Scanlon	D	0.115226336

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.185185179
18P_Congress_Dist5		Vitali	D	0.037037037
18P_Congress_Dist5		Wright	D	0.041152265
18P_Lt_Governor	23.78%	Ahmad	D	0.232032269
18P_Lt_Governor	18.55%	Cozzone	D	0.168700233
18P_Lt_Governor	37.48%	Fetterman	D	0.181086808
18P_Lt_Governor	3.58%	Sosa	D	0.012077941
18P_Lt_Governor	16.62%	Stack	D	0.406102747
19P_Mayor		Butkovitz	D	0.112662777
19P_Mayor		Kenney	D	0.665270627
19P_Mayor		Williams	D	0.222066596
19P_Municipal_Judge		Brunson	D	0.449135184
19P_Municipal_Judge		Conroy	D	0.550864816
19P_Register_Wills		Donatucci	D	0.403941482
19P_Register_Wills		Gordon	D	0.43923983
19P_Register_Wills		Whaumbush	D	0.156818688
20G_AG		Shapiro	D	0.810379565
20G_AG		Heidelbaugh	R	0.189620405
20G_Auditor	46.35%	Ahmad	D	0.799373984
20G_Auditor	49.44%	Defoor	R	0.200626001
20G_Congress_Dist2		Boyle	D	0.773765624
20G_Congress_Dist2		Torres	R	0.226234406
20G_President	50.01%	Biden	D	0.79606992
20G_President	48.84%	Trump	R	0.20393011
20G_Treasurer		Torsella	D	0.801698387
20G_Treasurer		Garrity	R	0.198301613
20P_Auditor	36.44%	Ahmad	D	0.706944525
20P_Auditor	7.47%	Conklin	D	0.031684741
20P_Auditor	5.99%	Davis	D	0.055505082
20P_Auditor	9.00%	Fountain	D	0.058590274
20P_Auditor	13.97%	Hartman	D	0.049561828
20P_Auditor	27.14%	Lamb	D	0.097713552
20P_President	79.26%	Biden	D	0.785854042
20P_President	2.70%	Gabbard	D	0.016931547
20P_President	18.04%	Sanders	D	0.197214425
21G_Superior_Judge		Lane	D	0.760869026
21G_Superior_Judge		Sullivan	R	0.239130974
21P_DA		Krasner	D	0.611544073
21P_DA		Vega	D	0.388455927
21P_Superior_Judge		Beck	D	0.145019785
21P_Superior_Judge		Lane	D	0.816266716
21P_Superior_Judge		Neft	D	0.038713481

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.912919819
12G_AG	41.56%	Freed	R	0.087080158
12G_Auditor		Depasquale	D	0.900153697
12G_Auditor		Maher	R	0.099846296
12G_President		Obama	D	0.909244418
12G_President		Romney	R	0.090755582
12G_Treasurer		McCord	D	0.909172833
12G_Treasurer		Vaughan	R	0.090827167
12G_US_Senate	53.69%	Casey	D	0.914532721
12G_US_Senate	44.59%	Smith	R	0.085467309
12P_AG	52.82%	Kane	D	0.376339674
12P_AG	47.18%	Murphy	D	0.623660326
12P_US_Senate	80.88%	Casey	D	0.814212263
12P_US_Senate	19.12%	Vodvarka	D	0.185787708
14G_Governor	54.93%	Wolf	D	0.92463088
14G_Governor	45.07%	Corbett	R	0.075369142
14P_Governor	16.84%	McCord	D	0.16181922
14P_Governor	7.66%	McGinty	D	0.0351291
14P_Governor	17.64%	Schwartz	D	0.322606474
14P_Governor	57.86%	Wolf	D	0.480445236
14P_Lt_Governor	15.88%	Critz	D	0.033434689
14P_Lt_Governor	11.91%	Koplinski	D	0.03486117
14P_Lt_Governor	10.84%	Neuman	D	0.041493051
14P_Lt_Governor	14.57%	Smith	D	0.064892329
14P_Lt_Governor	46.79%	Stack	D	0.825318754
15G_Mayor		Kenney	D	0.901378214
15G_Mayor		Bailey	R	0.083329357
15G_Mayor		Foster	U	0.007805173
15G_Mayor		Hart	U	0.006104249
15G_Mayor		Kindij	U	0.001382994
15G_Sheriff		Williams	D	0.860361099
15G_Sheriff		Sawyer	R	0.139638916
15P_Mayor		Abraham	D	0.066075549
15P_Mayor		Diaz	D	0.021546375
15P_Mayor		Kenney	D	0.532928705
15P_Mayor		Oliver	D	0.046868067
15P_Mayor		Street	D	0.017816182
15P_Mayor		Williams	D	0.314765096
16G_AG	51.39%	Shapiro	D	0.896836281
16G_AG	48.61%	Rafferty	R	0.103163742
16G_Auditor		Depasquale	D	0.893749058
16G_Auditor		Brown	R	0.106250934
16G_Congress_Dist1		Brady	D	0.860983312
16G_Congress_Dist1		Williams	R	0.139016703
16G_President	47.85%	Clinton	D	0.9052248

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

16G_President	48.58%	Trump	R	0.0947752
16G_Treasurer		Torsella	D	0.902935863
16G_Treasurer		Voit	R	0.097064152
16G_US_Senate	47.34%	McGinty	D	0.885481417
16G_US_Senate	48.77%	Toomey	R	0.11451859
16P_AG	16.22%	Morganelli	D	0.092238128
16P_AG	47.03%	Shapiro	D	0.589117408
16P_AG	36.74%	Zappala	D	0.318644494
16P_Congress_Dist2		Evans	D	0.426345468
16P_Congress_Dist2		Fattah	D	0.359667808
16P_Congress_Dist2		Gordon	D	0.112709865
16P_Congress_Dist2		Muroff	D	0.101276837
16P_President	55.61%	Clinton	D	0.638195574
16P_President	0.86%	DeLaFuente	D	0.002722178
16P_President	43.53%	Sanders	D	0.359082252
16P_US_Senate	19.49%	Fetterman	D	0.16617763
16P_US_Senate	42.50%	McGinty	D	0.450645387
16P_US_Senate	32.57%	Sestak	D	0.283000678
16P_US_Senate	5.45%	Vodvarka	D	0.10017629
17G_Supreme_Court		Woodruff	D	0.884764016
17G_Supreme_Court		Mundy	R	0.115235984
17P_DA		Deni	D	0.011630264
17P_DA		Khan	D	0.201118216
17P_DA		Krasner	D	0.417558491
17P_DA		Negrin	D	0.126471117
17P_DA		ONeill	D	0.040353816
17P_DA		Shabazz	D	0.133043826
17P_DA		Untermeyer	D	0.069824263
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.937066376
18G_Congress_Dist3		Leib	R	0.062933624
18G_Congress_Dist5		Scanlon	D	0.803646863
18G_Congress_Dist5		Kim	R	0.196353137
18G_Governor	57.77%	Wolf	D	0.928542614
18G_Governor	40.70%	Wagner	R	0.071457364
18G_US_Senator		Casey	D	0.925694466
18G_US_Senator		Barletta	R	0.074305564
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.010591579
18P_Congress_Dist5		Davidson	D	0.02161371
18P_Congress_Dist5		Kirkland	D	0.025919229
18P_Congress_Dist5		Lazer	D	0.413157672
18P_Congress_Dist5		Li	D	0.12451563
18P_Congress_Dist5		Lunkenheimer	D	0.06587445
18P_Congress_Dist5		Scanlon	D	0.08249376

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

18P_Congress_Dist5		Sheehan	D	0.132265568
18P_Congress_Dist5		Vitali	D	0.041074656
18P_Congress_Dist5		Wright	D	0.08249376
18P_Lt_Governor	23.78%	Ahmad	D	0.316393673
18P_Lt_Governor	18.55%	Cozzone	D	0.157522246
18P_Lt_Governor	37.48%	Fetterman	D	0.170398593
18P_Lt_Governor	3.58%	Sosa	D	0.00885249
18P_Lt_Governor	16.62%	Stack	D	0.346832991
19P_Mayor		Butkovitz	D	0.057513047
19P_Mayor		Kenney	D	0.682102442
19P_Mayor		Williams	D	0.26038453
19P_Municipal_Judge		Brunson	D	0.448310375
19P_Municipal_Judge		Conroy	D	0.551689625
19P_Register_Wills		Donatucci	D	0.385349125
19P_Register_Wills		Gordon	D	0.451732099
19P_Register_Wills		Whaumbush	D	0.162918776
20G_AG		Shapiro	D	0.893570662
20G_AG		Heidelbaugh	R	0.106429346
20G_Auditor	46.35%	Ahmad	D	0.886545718
20G_Auditor	49.44%	Defoor	R	0.11345426
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.893079162
20G_President	48.84%	Trump	R	0.106920853
20G_Treasurer		Torsella	D	0.885906637
20G_Treasurer		Garrity	R	0.114093386
20P_Auditor	36.44%	Ahmad	D	0.733853638
20P_Auditor	7.47%	Conklin	D	0.025316607
20P_Auditor	5.99%	Davis	D	0.048009731
20P_Auditor	9.00%	Fountain	D	0.065408193
20P_Auditor	13.97%	Hartman	D	0.035536263
20P_Auditor	27.14%	Lamb	D	0.091875553
20P_President	79.26%	Biden	D	0.803247929
20P_President	2.70%	Gabbard	D	0.010399449
20P_President	18.04%	Sanders	D	0.18635264
21G_Superior_Judge		Lane	D	0.894516647
21G_Superior_Judge		Sullivan	R	0.105483361
21P_DA		Krasner	D	0.760064304
21P_DA		Vega	D	0.239935681
21P_Superior_Judge		Beck	D	0.105133593
21P_Superior_Judge		Lane	D	0.870424151
21P_Superior_Judge		Neft	D	0.024442246

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.590677381
12G_AG	41.56%	Freed	R	0.409322649
12G_Auditor		Depasquale	D	0.545488
12G_Auditor		Maher	R	0.454512
12G_President		Obama	D	0.57966733
12G_President		Romney	R	0.4203327
12G_Treasurer		McCord	D	0.575409412
12G_Treasurer		Vaughan	R	0.424590617
12G_US_Senate	53.69%	Casey	D	0.597932816
12G_US_Senate	44.59%	Smith	R	0.402067155
12P_AG	52.82%	Kane	D	0.36642459
12P_AG	47.18%	Murphy	D	0.63357538
12P_US_Senate	80.88%	Casey	D	0.88520962
12P_US_Senate	19.12%	Vodvarka	D	0.11479035
14G_Governor	54.93%	Wolf	D	0.605389714
14G_Governor	45.07%	Corbett	R	0.394610286
14P_Governor	16.84%	McCord	D	0.161161512
14P_Governor	7.66%	McGinty	D	0.03872294
14P_Governor	17.64%	Schwartz	D	0.406004697
14P_Governor	57.86%	Wolf	D	0.394110858
14P_Lt_Governor	15.88%	Critz	D	0.027634235
14P_Lt_Governor	11.91%	Koplinski	D	0.099394426
14P_Lt_Governor	10.84%	Neuman	D	0.055490512
14P_Lt_Governor	14.57%	Smith	D	0.12226484
14P_Lt_Governor	46.79%	Stack	D	0.695216
16G_AG	51.39%	Shapiro	D	0.606303573
16G_AG	48.61%	Rafferty	R	0.393696457
16G_Auditor		Depasquale	D	0.567106962
16G_Auditor		Brown	R	0.432893008
16G_President	47.85%	Clinton	D	0.625638008
16G_President	48.58%	Trump	R	0.374361962
16G_Treasurer		Torsella	D	0.598319113
16G_Treasurer		Voit	R	0.401680887
16G_US_Senate	47.34%	McGinty	D	0.566653788
16G_US_Senate	48.77%	Toomey	R	0.433346212
16P_AG	16.22%	Morganelli	D	0.050414082
16P_AG	47.03%	Shapiro	D	0.82301861
16P_AG	36.74%	Zappala	D	0.126567334
16P_President	55.61%	Clinton	D	0.597132385
16P_President	0.86%	DeLaFuente	D	0.003086755
16P_President	43.53%	Sanders	D	0.39978084
16P_US_Senate	19.49%	Fetterman	D	0.096006468
16P_US_Senate	42.50%	McGinty	D	0.447904408
16P_US_Senate	32.57%	Sestak	D	0.448506355
16P_US_Senate	5.45%	Vodvarka	D	0.007582768

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.582663059
17G_Supreme_Court		Mundy	R	0.417336911
18G_Governor	57.77%	Wolf	D	0.692033529
18G_Governor	40.70%	Wagner	R	0.307966471
18G_US_Senator		Casey	D	0.673768103
18G_US_Senator		Barletta	R	0.326231927
18P_Lt_Governor	23.78%	Ahmad	D	0.322479665
18P_Lt_Governor	18.55%	Cozzone	D	0.148727775
18P_Lt_Governor	37.48%	Fetterman	D	0.254196644
18P_Lt_Governor	3.58%	Sosa	D	0.131660908
18P_Lt_Governor	16.62%	Stack	D	0.142935008
20G_AG		Shapiro	D	0.649825335
20G_AG		Heidelbaugh	R	0.350174665
20G_Auditor	46.35%	Ahmad	D	0.605282724
20G_Auditor	49.44%	Defoor	R	0.394717276
20G_President	50.01%	Biden	D	0.646238685
20G_President	48.84%	Trump	R	0.353761345
20G_Treasurer		Torsella	D	0.623166382
20G_Treasurer		Garrity	R	0.376833647
20P_Auditor	36.44%	Ahmad	D	0.612618566
20P_Auditor	7.47%	Conklin	D	0.045226332
20P_Auditor	5.99%	Davis	D	0.041221078
20P_Auditor	9.00%	Fountain	D	0.076688133
20P_Auditor	13.97%	Hartman	D	0.154979974
20P_Auditor	27.14%	Lamb	D	0.069265917
20P_President	79.26%	Biden	D	0.8252123
20P_President	2.70%	Gabbard	D	0.014066244
20P_President	18.04%	Sanders	D	0.160721481

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.566009641
12G_AG	41.56%	Freed	R	0.433990359
12G_Auditor		Depasquale	D	0.507153034
12G_Auditor		Maher	R	0.492846996
12G_President		Obama	D	0.560288489
12G_President		Romney	R	0.439711541
12G_Treasurer		McCord	D	0.534935176
12G_Treasurer		Vaughan	R	0.465064853
12G_US_Senate	53.69%	Casey	D	0.575633824
12G_US_Senate	44.59%	Smith	R	0.424366176
12P_AG	52.82%	Kane	D	0.383103281
12P_AG	47.18%	Murphy	D	0.616896749
12P_US_Senate	80.88%	Casey	D	0.870805979
12P_US_Senate	19.12%	Vodvarka	D	0.129194006
14G_Governor	54.93%	Wolf	D	0.569565773
14G_Governor	45.07%	Corbett	R	0.430434257
14P_Governor	16.84%	McCord	D	0.181211427
14P_Governor	7.66%	McGinty	D	0.071736842
14P_Governor	17.64%	Schwartz	D	0.242058516
14P_Governor	57.86%	Wolf	D	0.5049932
14P_Lt_Governor	15.88%	Critz	D	0.038405653
14P_Lt_Governor	11.91%	Koplinski	D	0.120886631
14P_Lt_Governor	10.84%	Neuman	D	0.047551211
14P_Lt_Governor	14.57%	Smith	D	0.136926979
14P_Lt_Governor	46.79%	Stack	D	0.656229496
16G_AG	51.39%	Shapiro	D	0.547185957
16G_AG	48.61%	Rafferty	R	0.452814072
16G_Auditor		Depasquale	D	0.528040886
16G_Auditor		Brown	R	0.471959144
16G_President	47.85%	Clinton	D	0.590615273
16G_President	48.58%	Trump	R	0.409384727
16G_Treasurer		Torsella	D	0.554354787
16G_Treasurer		Voit	R	0.445645183
16G_US_Senate	47.34%	McGinty	D	0.530198276
16G_US_Senate	48.77%	Toomey	R	0.469801724
16P_AG	16.22%	Morganelli	D	0.102654703
16P_AG	47.03%	Shapiro	D	0.671552837
16P_AG	36.74%	Zappala	D	0.225792482
16P_President	55.61%	Clinton	D	0.581834793
16P_President	0.86%	DeLaFuente	D	0.004349476
16P_President	43.53%	Sanders	D	0.413815737
16P_US_Senate	19.49%	Fetterman	D	0.07016395
16P_US_Senate	42.50%	McGinty	D	0.330398649
16P_US_Senate	32.57%	Sestak	D	0.580143631
16P_US_Senate	5.45%	Vodvarka	D	0.019293744

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.501680136
17G_Supreme_Court		Mundy	R	0.498319834
18G_Governor	57.77%	Wolf	D	0.65467149
18G_Governor	40.70%	Wagner	R	0.34532848
18G_US_Senator		Casey	D	0.636344612
18G_US_Senator		Barletta	R	0.363655388
18P_Lt_Governor	23.78%	Ahmad	D	0.336754441
18P_Lt_Governor	18.55%	Cozzone	D	0.342957973
18P_Lt_Governor	37.48%	Fetterman	D	0.170359686
18P_Lt_Governor	3.58%	Sosa	D	0.016163303
18P_Lt_Governor	16.62%	Stack	D	0.13376461
20G_AG		Shapiro	D	0.593560576
20G_AG		Heidelbaugh	R	0.406439394
20G_Auditor	46.35%	Ahmad	D	0.564023793
20G_Auditor	49.44%	Defoor	R	0.435976177
20G_President	50.01%	Biden	D	0.616143048
20G_President	48.84%	Trump	R	0.383856952
20G_Treasurer		Torsella	D	0.577371955
20G_Treasurer		Garrity	R	0.422628045
20P_Auditor	36.44%	Ahmad	D	0.59912163
20P_Auditor	7.47%	Conklin	D	0.036975853
20P_Auditor	5.99%	Davis	D	0.033375207
20P_Auditor	9.00%	Fountain	D	0.069233283
20P_Auditor	13.97%	Hartman	D	0.199311525
20P_Auditor	27.14%	Lamb	D	0.061982531
20P_President	79.26%	Biden	D	0.825642169
20P_President	2.70%	Gabbard	D	0.011675947
20P_President	18.04%	Sanders	D	0.162681878

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.536757112
12G_AG	41.56%	Freed	R	0.463242918
12G_Auditor		Depasquale	D	0.465410441
12G_Auditor		Maher	R	0.534589529
12G_President		Obama	D	0.50821197
12G_President		Romney	R	0.491788059
12G_Treasurer		McCord	D	0.502790451
12G_Treasurer		Vaughan	R	0.497209579
12G_US_Senate	53.69%	Casey	D	0.523270428
12G_US_Senate	44.59%	Smith	R	0.476729572
12P_AG	52.82%	Kane	D	0.496025294
12P_AG	47.18%	Murphy	D	0.503974676
12P_US_Senate	80.88%	Casey	D	0.825622022
12P_US_Senate	19.12%	Vodvarka	D	0.174377963
14G_Governor	54.93%	Wolf	D	0.522840559
14G_Governor	45.07%	Corbett	R	0.477159441
14P_Governor	16.84%	McCord	D	0.169041067
14P_Governor	7.66%	McGinty	D	0.071324825
14P_Governor	17.64%	Schwartz	D	0.161716983
14P_Governor	57.86%	Wolf	D	0.59791714
14P_Lt_Governor	15.88%	Critz	D	0.051962081
14P_Lt_Governor	11.91%	Koplinski	D	0.193071723
14P_Lt_Governor	10.84%	Neuman	D	0.062452082
14P_Lt_Governor	14.57%	Smith	D	0.182999924
14P_Lt_Governor	46.79%	Stack	D	0.509514213
16G_AG	51.39%	Shapiro	D	0.488310009
16G_AG	48.61%	Rafferty	R	0.511690021
16G_Auditor		Depasquale	D	0.468944937
16G_Auditor		Brown	R	0.531055033
16G_President	47.85%	Clinton	D	0.498527169
16G_President	48.58%	Trump	R	0.501472831
16G_Treasurer		Torsella	D	0.501303792
16G_Treasurer		Voit	R	0.498696178
16G_US_Senate	47.34%	McGinty	D	0.472272128
16G_US_Senate	48.77%	Toomey	R	0.527727902
16P_AG	16.22%	Morganelli	D	0.17103231
16P_AG	47.03%	Shapiro	D	0.609422803
16P_AG	36.74%	Zappala	D	0.219544888
16P_President	55.61%	Clinton	D	0.512175202
16P_President	0.86%	DeLaFuente	D	0.006680436
16P_President	43.53%	Sanders	D	0.481144339
16P_US_Senate	19.49%	Fetterman	D	0.096654736
16P_US_Senate	42.50%	McGinty	D	0.465020508
16P_US_Senate	32.57%	Sestak	D	0.412568569
16P_US_Senate	5.45%	Vodvarka	D	0.025756173

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.449256957
17G_Supreme_Court		Mundy	R	0.550743043
18G_Governor	57.77%	Wolf	D	0.583550096
18G_Governor	40.70%	Wagner	R	0.416449904
18G_US_Senator		Casey	D	0.56436193
18G_US_Senator		Barletta	R	0.4356381
18P_Lt_Governor	23.78%	Ahmad	D	0.212766618
18P_Lt_Governor	18.55%	Cozzone	D	0.44401449
18P_Lt_Governor	37.48%	Fetterman	D	0.172987029
18P_Lt_Governor	3.58%	Sosa	D	0.044980343
18P_Lt_Governor	16.62%	Stack	D	0.125251532
20G_AG		Shapiro	D	0.519665897
20G_AG		Heidelbaugh	R	0.480334103
20G_Auditor	46.35%	Ahmad	D	0.488659024
20G_Auditor	49.44%	Defoor	R	0.511340976
20G_President	50.01%	Biden	D	0.522620857
20G_President	48.84%	Trump	R	0.477379113
20G_Treasurer		Torsella	D	0.502662838
20G_Treasurer		Garrity	R	0.497337162
20P_Auditor	36.44%	Ahmad	D	0.382289678
20P_Auditor	7.47%	Conklin	D	0.048108891
20P_Auditor	5.99%	Davis	D	0.043324076
20P_Auditor	9.00%	Fountain	D	0.073949493
20P_Auditor	13.97%	Hartman	D	0.38518402
20P_Auditor	27.14%	Lamb	D	0.067143843
20P_President	79.26%	Biden	D	0.795412004
20P_President	2.70%	Gabbard	D	0.022154842
20P_President	18.04%	Sanders	D	0.182433173

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.568938434
12G_AG	41.56%	Freed	R	0.431061566
12G_Auditor		Depasquale	D	0.514185488
12G_Auditor		Maher	R	0.485814512
12G_President		Obama	D	0.53579855
12G_President		Romney	R	0.46420145
12G_Treasurer		McCord	D	0.543347776
12G_Treasurer		Vaughan	R	0.456652224
12G_US_Senate	53.69%	Casey	D	0.547629952
12G_US_Senate	44.59%	Smith	R	0.452370077
12P_AG	52.82%	Kane	D	0.495708853
12P_AG	47.18%	Murphy	D	0.504291177
12P_US_Senate	80.88%	Casey	D	0.820629418
12P_US_Senate	19.12%	Vodvarka	D	0.179370567
14G_Governor	54.93%	Wolf	D	0.552061617
14G_Governor	45.07%	Corbett	R	0.447938383
14P_Governor	16.84%	McCord	D	0.155833662
14P_Governor	7.66%	McGinty	D	0.061974194
14P_Governor	17.64%	Schwartz	D	0.150115266
14P_Governor	57.86%	Wolf	D	0.632076859
14P_Lt_Governor	15.88%	Critz	D	0.055077575
14P_Lt_Governor	11.91%	Koplinski	D	0.15529716
14P_Lt_Governor	10.84%	Neuman	D	0.073364772
14P_Lt_Governor	14.57%	Smith	D	0.226250038
14P_Lt_Governor	46.79%	Stack	D	0.49001044
16G_AG	51.39%	Shapiro	D	0.525332808
16G_AG	48.61%	Rafferty	R	0.474667192
16G_Auditor		Depasquale	D	0.502601862
16G_Auditor		Brown	R	0.497398138
16G_President	47.85%	Clinton	D	0.504998922
16G_President	48.58%	Trump	R	0.495001107
16G_Treasurer		Torsella	D	0.53567028
16G_Treasurer		Voit	R	0.46432972
16G_US_Senate	47.34%	McGinty	D	0.492772162
16G_US_Senate	48.77%	Toomey	R	0.507227838
16P_AG	16.22%	Morganelli	D	0.667224705
16P_AG	47.03%	Shapiro	D	0.246523157
16P_AG	36.74%	Zappala	D	0.086252123
16P_President	55.61%	Clinton	D	0.517942786
16P_President	0.86%	DeLaFuente	D	0.007492865
16P_President	43.53%	Sanders	D	0.474564344
16P_US_Senate	19.49%	Fetterman	D	0.109817833
16P_US_Senate	42.50%	McGinty	D	0.418649763
16P_US_Senate	32.57%	Sestak	D	0.431684405
16P_US_Senate	5.45%	Vodvarka	D	0.039847996

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.482920349
17G_Supreme_Court		Mundy	R	0.517079651
18G_Governor	57.77%	Wolf	D	0.597455919
18G_Governor	40.70%	Wagner	R	0.402544051
18G_US_Senator		Casey	D	0.569660068
18G_US_Senator		Barletta	R	0.430339903
18P_Lt_Governor	23.78%	Ahmad	D	0.297150314
18P_Lt_Governor	18.55%	Cozzone	D	0.237966329
18P_Lt_Governor	37.48%	Fetterman	D	0.186681762
18P_Lt_Governor	3.58%	Sosa	D	0.063342847
18P_Lt_Governor	16.62%	Stack	D	0.214858741
20G_AG		Shapiro	D	0.534080327
20G_AG		Heidelbaugh	R	0.465919673
20G_Auditor	46.35%	Ahmad	D	0.505298793
20G_Auditor	49.44%	Defoor	R	0.494701207
20G_President	50.01%	Biden	D	0.523682535
20G_President	48.84%	Trump	R	0.476317495
20G_Treasurer		Torsella	D	0.516185403
20G_Treasurer		Garrity	R	0.483814627
20P_Auditor	36.44%	Ahmad	D	0.32957375
20P_Auditor	7.47%	Conklin	D	0.079395413
20P_Auditor	5.99%	Davis	D	0.208360806
20P_Auditor	9.00%	Fountain	D	0.097336441
20P_Auditor	13.97%	Hartman	D	0.16449751
20P_Auditor	27.14%	Lamb	D	0.120836079
20P_President	79.26%	Biden	D	0.79009074
20P_President	2.70%	Gabbard	D	0.024014734
20P_President	18.04%	Sanders	D	0.185894504

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.623105705
12G_AG	41.56%	Freed	R	0.376894295
12G_Auditor		Depasquale	D	0.551308513
12G_Auditor		Maher	R	0.448691517
12G_President		Obama	D	0.54471302
12G_President		Romney	R	0.455287009
12G_Treasurer		McCord	D	0.583818614
12G_Treasurer		Vaughan	R	0.416181386
12G_US_Senate	53.69%	Casey	D	0.571637034
12G_US_Senate	44.59%	Smith	R	0.428362995
12P_AG	52.82%	Kane	D	0.76281482
12P_AG	47.18%	Murphy	D	0.23718518
12P_US_Senate	80.88%	Casey	D	0.900060177
12P_US_Senate	19.12%	Vodvarka	D	0.099939808
14G_Governor	54.93%	Wolf	D	0.581182659
14G_Governor	45.07%	Corbett	R	0.418817371
14P_Governor	16.84%	McCord	D	0.214267686
14P_Governor	7.66%	McGinty	D	0.08747004
14P_Governor	17.64%	Schwartz	D	0.063864008
14P_Governor	57.86%	Wolf	D	0.634398282
14P_Lt_Governor	15.88%	Critz	D	0.040421858
14P_Lt_Governor	11.91%	Koplinski	D	0.114024177
14P_Lt_Governor	10.84%	Neuman	D	0.074772082
14P_Lt_Governor	14.57%	Smith	D	0.339008868
14P_Lt_Governor	46.79%	Stack	D	0.431773037
16G_AG	51.39%	Shapiro	D	0.506694913
16G_AG	48.61%	Rafferty	R	0.493305087
16G_Auditor		Depasquale	D	0.525370717
16G_Auditor		Brown	R	0.474629283
16G_President	47.85%	Clinton	D	0.426281333
16G_President	48.58%	Trump	R	0.573718667
16G_Treasurer		Torsella	D	0.537904441
16G_Treasurer		Voit	R	0.462095588
16G_US_Senate	47.34%	McGinty	D	0.476642549
16G_US_Senate	48.77%	Toomey	R	0.523357451
16P_AG	16.22%	Morganelli	D	0.333081335
16P_AG	47.03%	Shapiro	D	0.40571788
16P_AG	36.74%	Zappala	D	0.261200786
16P_President	55.61%	Clinton	D	0.533563375
16P_President	0.86%	DeLaFuente	D	0.010497394
16P_President	43.53%	Sanders	D	0.455939263
16P_US_Senate	19.49%	Fetterman	D	0.089342259
16P_US_Senate	42.50%	McGinty	D	0.494362682
16P_US_Senate	32.57%	Sestak	D	0.382449299
16P_US_Senate	5.45%	Vodvarka	D	0.033845749

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.413845688
17G_Supreme_Court		Mundy	R	0.586154282
18G_Governor	57.77%	Wolf	D	0.543227673
18G_Governor	40.70%	Wagner	R	0.456772298
18G_US_Senator		Casey	D	0.497715622
18G_US_Senator		Barletta	R	0.502284348
18P_Lt_Governor	23.78%	Ahmad	D	0.252288401
18P_Lt_Governor	18.55%	Cozzone	D	0.174731821
18P_Lt_Governor	37.48%	Fetterman	D	0.207805499
18P_Lt_Governor	3.58%	Sosa	D	0.036063682
18P_Lt_Governor	16.62%	Stack	D	0.329110593
20G_AG		Shapiro	D	0.50467813
20G_AG		Heidelbaugh	R	0.49532187
20G_Auditor	46.35%	Ahmad	D	0.457130194
20G_Auditor	49.44%	Defoor	R	0.542869806
20G_President	50.01%	Biden	D	0.451111287
20G_President	48.84%	Trump	R	0.548888683
20G_Treasurer		Torsella	D	0.468796372
20G_Treasurer		Garrity	R	0.531203628
20P_Auditor	36.44%	Ahmad	D	0.224335581
20P_Auditor	7.47%	Conklin	D	0.081731416
20P_Auditor	5.99%	Davis	D	0.292467624
20P_Auditor	9.00%	Fountain	D	0.080690511
20P_Auditor	13.97%	Hartman	D	0.155797988
20P_Auditor	27.14%	Lamb	D	0.16497688
20P_President	79.26%	Biden	D	0.80493468
20P_President	2.70%	Gabbard	D	0.037523843
20P_President	18.04%	Sanders	D	0.157541454

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.474650949
12G_AG	41.56%	Freed	R	0.525349081
12G_Auditor		Depasquale	D	0.383033305
12G_Auditor		Maher	R	0.616966665
12G_President		Obama	D	0.394328266
12G_President		Romney	R	0.605671763
12G_Treasurer		McCord	D	0.418633759
12G_Treasurer		Vaughan	R	0.581366241
12G_US_Senate	53.69%	Casey	D	0.409609735
12G_US_Senate	44.59%	Smith	R	0.590390265
12P_AG	52.82%	Kane	D	0.71399492
12P_AG	47.18%	Murphy	D	0.28600505
12P_US_Senate	80.88%	Casey	D	0.876842856
12P_US_Senate	19.12%	Vodvarka	D	0.123157144
14G_Governor	54.93%	Wolf	D	0.443713903
14G_Governor	45.07%	Corbett	R	0.556286097
14P_Governor	16.84%	McCord	D	0.185311392
14P_Governor	7.66%	McGinty	D	0.100526407
14P_Governor	17.64%	Schwartz	D	0.075452022
14P_Governor	57.86%	Wolf	D	0.638710141
14P_Lt_Governor	15.88%	Critz	D	0.049326852
14P_Lt_Governor	11.91%	Koplinski	D	0.183313787
14P_Lt_Governor	10.84%	Neuman	D	0.048656501
14P_Lt_Governor	14.57%	Smith	D	0.390257537
14P_Lt_Governor	46.79%	Stack	D	0.328445345
16G_AG	51.39%	Shapiro	D	0.355381638
16G_AG	48.61%	Rafferty	R	0.644618392
16G_Auditor		Depasquale	D	0.357352585
16G_Auditor		Brown	R	0.642647445
16G_President	47.85%	Clinton	D	0.296392262
16G_President	48.58%	Trump	R	0.703607738
16G_Treasurer		Torsella	D	0.386902452
16G_Treasurer		Voit	R	0.613097548
16G_US_Senate	47.34%	McGinty	D	0.335253596
16G_US_Senate	48.77%	Toomey	R	0.664746404
16P_AG	16.22%	Morganelli	D	0.325130671
16P_AG	47.03%	Shapiro	D	0.471381128
16P_AG	36.74%	Zappala	D	0.203488186
16P_President	55.61%	Clinton	D	0.484531522
16P_President	0.86%	DeLaFuente	D	0.013128002
16P_President	43.53%	Sanders	D	0.502340496
16P_US_Senate	19.49%	Fetterman	D	0.118483633
16P_US_Senate	42.50%	McGinty	D	0.494539022
16P_US_Senate	32.57%	Sestak	D	0.354738265
16P_US_Senate	5.45%	Vodvarka	D	0.032239076

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.295973539
17G_Supreme_Court		Mundy	R	0.704026461
18G_Governor	57.77%	Wolf	D	0.413264215
18G_Governor	40.70%	Wagner	R	0.586735785
18G_US_Senator		Casey	D	0.37753582
18G_US_Senator		Barletta	R	0.62246418
18P_Lt_Governor	23.78%	Ahmad	D	0.241147518
18P_Lt_Governor	18.55%	Cozzone	D	0.196706846
18P_Lt_Governor	37.48%	Fetterman	D	0.262977421
18P_Lt_Governor	3.58%	Sosa	D	0.040162962
18P_Lt_Governor	16.62%	Stack	D	0.259005249
20G_AG		Shapiro	D	0.349581659
20G_AG		Heidelbaugh	R	0.650418341
20G_Auditor	46.35%	Ahmad	D	0.303317308
20G_Auditor	49.44%	Defoor	R	0.696682692
20G_President	50.01%	Biden	D	0.315904081
20G_President	48.84%	Trump	R	0.684095919
20G_Treasurer		Torsella	D	0.312929511
20G_Treasurer		Garrity	R	0.687070489
20P_Auditor	36.44%	Ahmad	D	0.207093939
20P_Auditor	7.47%	Conklin	D	0.184411198
20P_Auditor	5.99%	Davis	D	0.105788074
20P_Auditor	9.00%	Fountain	D	0.137803912
20P_Auditor	13.97%	Hartman	D	0.220268935
20P_Auditor	27.14%	Lamb	D	0.144633949
20P_President	79.26%	Biden	D	0.771213949
20P_President	2.70%	Gabbard	D	0.046808589
20P_President	18.04%	Sanders	D	0.181977481

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.435305148
12G_AG	41.56%	Freed	R	0.564694822
12G_Auditor		Depasquale	D	0.368529797
12G_Auditor		Maher	R	0.631470203
12G_President		Obama	D	0.387746722
12G_President		Romney	R	0.612253308
12G_Treasurer		McCord	D	0.383734167
12G_Treasurer		Vaughan	R	0.616265833
12G_US_Senate	53.69%	Casey	D	0.397471905
12G_US_Senate	44.59%	Smith	R	0.602528095
12P_AG	52.82%	Kane	D	0.586893916
12P_AG	47.18%	Murphy	D	0.413106084
12P_US_Senate	80.88%	Casey	D	0.848375022
12P_US_Senate	19.12%	Vodvarka	D	0.151624978
14G_Governor	54.93%	Wolf	D	0.403649956
14G_Governor	45.07%	Corbett	R	0.596350014
14P_Governor	16.84%	McCord	D	0.087602809
14P_Governor	7.66%	McGinty	D	0.068625972
14P_Governor	17.64%	Schwartz	D	0.081189163
14P_Governor	57.86%	Wolf	D	0.762582064
14P_Lt_Governor	15.88%	Critz	D	0.058291543
14P_Lt_Governor	11.91%	Koplinski	D	0.326946974
14P_Lt_Governor	10.84%	Neuman	D	0.052033775
14P_Lt_Governor	14.57%	Smith	D	0.133599073
14P_Lt_Governor	46.79%	Stack	D	0.429128617
16G_AG	51.39%	Shapiro	D	0.364956379
16G_AG	48.61%	Rafferty	R	0.635043621
16G_Auditor		Depasquale	D	0.390650272
16G_Auditor		Brown	R	0.609349728
16G_President	47.85%	Clinton	D	0.367906034
16G_President	48.58%	Trump	R	0.632093966
16G_Treasurer		Torsella	D	0.370890677
16G_Treasurer		Voit	R	0.629109323
16G_US_Senate	47.34%	McGinty	D	0.36358729
16G_US_Senate	48.77%	Toomey	R	0.63641274
16P_AG	16.22%	Morganelli	D	0.179593727
16P_AG	47.03%	Shapiro	D	0.593749404
16P_AG	36.74%	Zappala	D	0.226656869
16P_President	55.61%	Clinton	D	0.480793595
16P_President	0.86%	DeLaFuente	D	0.00701255
16P_President	43.53%	Sanders	D	0.512193859
16P_US_Senate	19.49%	Fetterman	D	0.165102854
16P_US_Senate	42.50%	McGinty	D	0.531811595
16P_US_Senate	32.57%	Sestak	D	0.292493671
16P_US_Senate	5.45%	Vodvarka	D	0.010591844

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.323389202
17G_Supreme_Court		Mundy	R	0.676610768
18G_Governor	57.77%	Wolf	D	0.461242318
18G_Governor	40.70%	Wagner	R	0.538757682
18G_US_Senator		Casey	D	0.433815628
18G_US_Senator		Barletta	R	0.566184402
18P_Lt_Governor	23.78%	Ahmad	D	0.372024417
18P_Lt_Governor	18.55%	Cozzone	D	0.223588556
18P_Lt_Governor	37.48%	Fetterman	D	0.297785729
18P_Lt_Governor	3.58%	Sosa	D	0.026380291
18P_Lt_Governor	16.62%	Stack	D	0.080221012
20G_AG		Shapiro	D	0.38505438
20G_AG		Heidelbaugh	R	0.61494565
20G_Auditor	46.35%	Ahmad	D	0.360396564
20G_Auditor	49.44%	Defoor	R	0.639603436
20G_President	50.01%	Biden	D	0.394058883
20G_President	48.84%	Trump	R	0.605941117
20G_Treasurer		Torsella	D	0.361206651
20G_Treasurer		Garrity	R	0.638793349
20P_Auditor	36.44%	Ahmad	D	0.137987018
20P_Auditor	7.47%	Conklin	D	0.040174112
20P_Auditor	5.99%	Davis	D	0.027329814
20P_Auditor	9.00%	Fountain	D	0.080276869
20P_Auditor	13.97%	Hartman	D	0.668742001
20P_Auditor	27.14%	Lamb	D	0.045490224
20P_President	79.26%	Biden	D	0.764528811
20P_President	2.70%	Gabbard	D	0.026064867
20P_President	18.04%	Sanders	D	0.209406316

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.494031161
12G_AG	41.56%	Freed	R	0.505968809
12G_Auditor		Depasquale	D	0.45104
12G_Auditor		Maher	R	0.54896003
12G_President		Obama	D	0.458165109
12G_President		Romney	R	0.541834891
12G_Treasurer		McCord	D	0.473755002
12G_Treasurer		Vaughan	R	0.526244998
12G_US_Senate	53.69%	Casey	D	0.477893353
12G_US_Senate	44.59%	Smith	R	0.522106647
12P_AG	52.82%	Kane	D	0.638462543
12P_AG	47.18%	Murphy	D	0.361537457
12P_US_Senate	80.88%	Casey	D	0.85637784
12P_US_Senate	19.12%	Vodvarka	D	0.143622145
14G_Governor	54.93%	Wolf	D	0.464904159
14G_Governor	45.07%	Corbett	R	0.535095811
14P_Governor	16.84%	McCord	D	0.088094398
14P_Governor	7.66%	McGinty	D	0.07412637
14P_Governor	17.64%	Schwartz	D	0.064368919
14P_Governor	57.86%	Wolf	D	0.77341032
14P_Lt_Governor	15.88%	Critz	D	0.046121594
14P_Lt_Governor	11.91%	Koplinski	D	0.510020971
14P_Lt_Governor	10.84%	Neuman	D	0.05003494
14P_Lt_Governor	14.57%	Smith	D	0.078965761
14P_Lt_Governor	46.79%	Stack	D	0.314856738
16G_AG	51.39%	Shapiro	D	0.434445262
16G_AG	48.61%	Rafferty	R	0.565554738
16G_Auditor		Depasquale	D	0.492485046
16G_Auditor		Brown	R	0.507514954
16G_President	47.85%	Clinton	D	0.435573339
16G_President	48.58%	Trump	R	0.564426661
16G_Treasurer		Torsella	D	0.451265782
16G_Treasurer		Voit	R	0.548734188
16G_US_Senate	47.34%	McGinty	D	0.426858634
16G_US_Senate	48.77%	Toomey	R	0.573141396
16P_AG	16.22%	Morganelli	D	0.184148461
16P_AG	47.03%	Shapiro	D	0.571705282
16P_AG	36.74%	Zappala	D	0.244146273
16P_President	55.61%	Clinton	D	0.540141523
16P_President	0.86%	DeLaFuente	D	0.008061606
16P_President	43.53%	Sanders	D	0.45179686
16P_US_Senate	19.49%	Fetterman	D	0.148308128
16P_US_Senate	42.50%	McGinty	D	0.514773488
16P_US_Senate	32.57%	Sestak	D	0.302640289
16P_US_Senate	5.45%	Vodvarka	D	0.034278072

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.35995537
17G_Supreme_Court		Mundy	R	0.64004463
18G_Governor	57.77%	Wolf	D	0.534933448
18G_Governor	40.70%	Wagner	R	0.465066552
18G_US_Senator		Casey	D	0.492750436
18G_US_Senator		Barletta	R	0.507249594
18P_Lt_Governor	23.78%	Ahmad	D	0.368038535
18P_Lt_Governor	18.55%	Cozzone	D	0.173316985
18P_Lt_Governor	37.48%	Fetterman	D	0.337741554
18P_Lt_Governor	3.58%	Sosa	D	0.029926466
18P_Lt_Governor	16.62%	Stack	D	0.090976454
20G_AG		Shapiro	D	0.468998998
20G_AG		Heidelbaugh	R	0.531001031
20G_Auditor	46.35%	Ahmad	D	0.423802733
20G_Auditor	49.44%	Defoor	R	0.576197267
20G_President	50.01%	Biden	D	0.462383807
20G_President	48.84%	Trump	R	0.537616193
20G_Treasurer		Torsella	D	0.440003783
20G_Treasurer		Garrity	R	0.559996188
20P_Auditor	36.44%	Ahmad	D	0.167206988
20P_Auditor	7.47%	Conklin	D	0.075688042
20P_Auditor	5.99%	Davis	D	0.032644238
20P_Auditor	9.00%	Fountain	D	0.440051645
20P_Auditor	13.97%	Hartman	D	0.198616192
20P_Auditor	27.14%	Lamb	D	0.085792877
20P_President	79.26%	Biden	D	0.797168016
20P_President	2.70%	Gabbard	D	0.025369152
20P_President	18.04%	Sanders	D	0.177462816

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.397986203
12G_AG	41.56%	Freed	R	0.602013767
12G_Auditor		Depasquale	D	0.311075687
12G_Auditor		Maher	R	0.688924313
12G_President		Obama	D	0.324244469
12G_President		Romney	R	0.675755501
12G_Treasurer		McCord	D	0.350416064
12G_Treasurer		Vaughan	R	0.649583936
12G_US_Senate	53.69%	Casey	D	0.350415438
12G_US_Senate	44.59%	Smith	R	0.649584591
12P_AG	52.82%	Kane	D	0.637229741
12P_AG	47.18%	Murphy	D	0.36277023
12P_US_Senate	80.88%	Casey	D	0.8235448
12P_US_Senate	19.12%	Vodvarka	D	0.176455215
14G_Governor	54.93%	Wolf	D	0.373002738
14G_Governor	45.07%	Corbett	R	0.626997232
14P_Governor	16.84%	McCord	D	0.13736859
14P_Governor	7.66%	McGinty	D	0.104676746
14P_Governor	17.64%	Schwartz	D	0.068841465
14P_Governor	57.86%	Wolf	D	0.6891132
14P_Lt_Governor	15.88%	Critz	D	0.291031331
14P_Lt_Governor	11.91%	Koplinski	D	0.272140026
14P_Lt_Governor	10.84%	Neuman	D	0.061744161
14P_Lt_Governor	14.57%	Smith	D	0.140727103
14P_Lt_Governor	46.79%	Stack	D	0.234357402
16G_AG	51.39%	Shapiro	D	0.307570875
16G_AG	48.61%	Rafferty	R	0.692429125
16G_Auditor		Depasquale	D	0.327134579
16G_Auditor		Brown	R	0.672865391
16G_President	47.85%	Clinton	D	0.276254177
16G_President	48.58%	Trump	R	0.723745823
16G_Treasurer		Torsella	D	0.318593979
16G_Treasurer		Voit	R	0.681406021
16G_US_Senate	47.34%	McGinty	D	0.290376306
16G_US_Senate	48.77%	Toomey	R	0.709623694
16P_AG	16.22%	Morganelli	D	0.224461243
16P_AG	47.03%	Shapiro	D	0.494374275
16P_AG	36.74%	Zappala	D	0.281164467
16P_President	55.61%	Clinton	D	0.487893909
16P_President	0.86%	DeLaFuente	D	0.012843794
16P_President	43.53%	Sanders	D	0.499262273
16P_US_Senate	19.49%	Fetterman	D	0.15331912
16P_US_Senate	42.50%	McGinty	D	0.488523901
16P_US_Senate	32.57%	Sestak	D	0.319998473
16P_US_Senate	5.45%	Vodvarka	D	0.038158495

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.267179906
17G_Supreme_Court		Mundy	R	0.732820094
18G_Governor	57.77%	Wolf	D	0.372208714
18G_Governor	40.70%	Wagner	R	0.627791286
18G_US_Senator		Casey	D	0.351295739
18G_US_Senator		Barletta	R	0.648704231
18P_Lt_Governor	23.78%	Ahmad	D	0.278460622
18P_Lt_Governor	18.55%	Cozzone	D	0.233649001
18P_Lt_Governor	37.48%	Fetterman	D	0.364497274
18P_Lt_Governor	3.58%	Sosa	D	0.038726576
18P_Lt_Governor	16.62%	Stack	D	0.084666535
20G_AG		Shapiro	D	0.300079167
20G_AG		Heidelbaugh	R	0.699920833
20G_Auditor	46.35%	Ahmad	D	0.266774565
20G_Auditor	49.44%	Defoor	R	0.733225465
20G_President	50.01%	Biden	D	0.294866204
20G_President	48.84%	Trump	R	0.705133796
20G_Treasurer		Torsella	D	0.279851347
20G_Treasurer		Garrity	R	0.720148623
20P_Auditor	36.44%	Ahmad	D	0.155312493
20P_Auditor	7.47%	Conklin	D	0.282871127
20P_Auditor	5.99%	Davis	D	0.046312429
20P_Auditor	9.00%	Fountain	D	0.230071589
20P_Auditor	13.97%	Hartman	D	0.166229293
20P_Auditor	27.14%	Lamb	D	0.119203076
20P_President	79.26%	Biden	D	0.779333174
20P_President	2.70%	Gabbard	D	0.037802171
20P_President	18.04%	Sanders	D	0.182864666

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.508235037
12G_AG	41.56%	Freed	R	0.491764933
12G_Auditor		Depasquale	D	0.412306368
12G_Auditor		Maher	R	0.587693632
12G_President		Obama	D	0.394835353
12G_President		Romney	R	0.605164647
12G_Treasurer		McCord	D	0.449665278
12G_Treasurer		Vaughan	R	0.550334692
12G_US_Senate	53.69%	Casey	D	0.419476479
12G_US_Senate	44.59%	Smith	R	0.580523551
12P_AG	52.82%	Kane	D	0.610221922
12P_AG	47.18%	Murphy	D	0.389778078
12P_US_Senate	80.88%	Casey	D	0.805409729
12P_US_Senate	19.12%	Vodvarka	D	0.194590271
14G_Governor	54.93%	Wolf	D	0.476079077
14G_Governor	45.07%	Corbett	R	0.523920894
14P_Governor	16.84%	McCord	D	0.220435783
14P_Governor	7.66%	McGinty	D	0.11378511
14P_Governor	17.64%	Schwartz	D	0.076730758
14P_Governor	57.86%	Wolf	D	0.589048326
14P_Lt_Governor	15.88%	Critz	D	0.577509046
14P_Lt_Governor	11.91%	Koplinski	D	0.082286105
14P_Lt_Governor	10.84%	Neuman	D	0.054850232
14P_Lt_Governor	14.57%	Smith	D	0.155771211
14P_Lt_Governor	46.79%	Stack	D	0.129583403
16G_AG	51.39%	Shapiro	D	0.391101897
16G_AG	48.61%	Rafferty	R	0.608898103
16G_Auditor		Depasquale	D	0.41029042
16G_Auditor		Brown	R	0.58970958
16G_President	47.85%	Clinton	D	0.322297424
16G_President	48.58%	Trump	R	0.677702546
16G_Treasurer		Torsella	D	0.419683725
16G_Treasurer		Voit	R	0.580316305
16G_US_Senate	47.34%	McGinty	D	0.356493026
16G_US_Senate	48.77%	Toomey	R	0.643506944
16P_AG	16.22%	Morganelli	D	0.195351347
16P_AG	47.03%	Shapiro	D	0.412221253
16P_AG	36.74%	Zappala	D	0.392427415
16P_President	55.61%	Clinton	D	0.46747154
16P_President	0.86%	DeLaFuente	D	0.018841546
16P_President	43.53%	Sanders	D	0.513686895
16P_US_Senate	19.49%	Fetterman	D	0.218472108
16P_US_Senate	42.50%	McGinty	D	0.445913732
16P_US_Senate	32.57%	Sestak	D	0.278888285
16P_US_Senate	5.45%	Vodvarka	D	0.056725867

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.363237977
17G_Supreme_Court		Mundy	R	0.636762023
18G_Governor	57.77%	Wolf	D	0.426634729
18G_Governor	40.70%	Wagner	R	0.573365271
18G_US_Senator		Casey	D	0.428243846
18G_US_Senator		Barletta	R	0.571756184
18P_Lt_Governor	23.78%	Ahmad	D	0.133110672
18P_Lt_Governor	18.55%	Cozzone	D	0.222973943
18P_Lt_Governor	37.48%	Fetterman	D	0.537923574
18P_Lt_Governor	3.58%	Sosa	D	0.035597041
18P_Lt_Governor	16.62%	Stack	D	0.070394792
20G_AG		Shapiro	D	0.355231166
20G_AG		Heidelbaugh	R	0.644768834
20G_Auditor	46.35%	Ahmad	D	0.305881143
20G_Auditor	49.44%	Defoor	R	0.694118857
20G_President	50.01%	Biden	D	0.321423084
20G_President	48.84%	Trump	R	0.678576946
20G_Treasurer		Torsella	D	0.329434305
20G_Treasurer		Garrity	R	0.670565665
20P_Auditor	36.44%	Ahmad	D	0.085056052
20P_Auditor	7.47%	Conklin	D	0.493297249
20P_Auditor	5.99%	Davis	D	0.034495555
20P_Auditor	9.00%	Fountain	D	0.051611904
20P_Auditor	13.97%	Hartman	D	0.065481253
20P_Auditor	27.14%	Lamb	D	0.270057976
20P_President	79.26%	Biden	D	0.74619782
20P_President	2.70%	Gabbard	D	0.055036362
20P_President	18.04%	Sanders	D	0.198765814

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.511811614
12G_AG	41.56%	Freed	R	0.488188386
12G_Auditor		Depasquale	D	0.440201849
12G_Auditor		Maher	R	0.559798121
12G_President		Obama	D	0.394857794
12G_President		Romney	R	0.605142176
12G_Treasurer		McCord	D	0.457390457
12G_Treasurer		Vaughan	R	0.542609513
12G_US_Senate	53.69%	Casey	D	0.440896451
12G_US_Senate	44.59%	Smith	R	0.559103549
12P_AG	52.82%	Kane	D	0.589166462
12P_AG	47.18%	Murphy	D	0.410833538
12P_US_Senate	80.88%	Casey	D	0.743662
12P_US_Senate	19.12%	Vodvarka	D	0.25633803
14G_Governor	54.93%	Wolf	D	0.46698907
14G_Governor	45.07%	Corbett	R	0.5330109
14P_Governor	16.84%	McCord	D	0.188872516
14P_Governor	7.66%	McGinty	D	0.106152922
14P_Governor	17.64%	Schwartz	D	0.068676353
14P_Governor	57.86%	Wolf	D	0.63629818
14P_Lt_Governor	15.88%	Critz	D	0.418600589
14P_Lt_Governor	11.91%	Koplinski	D	0.028694253
14P_Lt_Governor	10.84%	Neuman	D	0.30459249
14P_Lt_Governor	14.57%	Smith	D	0.06228156
14P_Lt_Governor	46.79%	Stack	D	0.185831115
16G_AG	51.39%	Shapiro	D	0.411492229
16G_AG	48.61%	Rafferty	R	0.588507771
16G_Auditor		Depasquale	D	0.459235549
16G_Auditor		Brown	R	0.540764451
16G_President	47.85%	Clinton	D	0.333660483
16G_President	48.58%	Trump	R	0.666339517
16G_Treasurer		Torsella	D	0.448581278
16G_Treasurer		Voit	R	0.551418722
16G_US_Senate	47.34%	McGinty	D	0.372376114
16G_US_Senate	48.77%	Toomey	R	0.627623916
16P_AG	16.22%	Morganelli	D	0.079601787
16P_AG	47.03%	Shapiro	D	0.225545272
16P_AG	36.74%	Zappala	D	0.694852948
16P_President	55.61%	Clinton	D	0.551546574
16P_President	0.86%	DeLaFuente	D	0.01801434
16P_President	43.53%	Sanders	D	0.430439115
16P_US_Senate	19.49%	Fetterman	D	0.306482285
16P_US_Senate	42.50%	McGinty	D	0.420238703
16P_US_Senate	32.57%	Sestak	D	0.2350059
16P_US_Senate	5.45%	Vodvarka	D	0.038273089

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.411271095
17G_Supreme_Court		Mundy	R	0.588728905
18G_Governor	57.77%	Wolf	D	0.46658197
18G_Governor	40.70%	Wagner	R	0.533418059
18G_US_Senator		Casey	D	0.451346576
18G_US_Senator		Barletta	R	0.548653424
18P_Lt_Governor	23.78%	Ahmad	D	0.102758653
18P_Lt_Governor	18.55%	Cozzone	D	0.128459275
18P_Lt_Governor	37.48%	Fetterman	D	0.706350625
18P_Lt_Governor	3.58%	Sosa	D	0.018113241
18P_Lt_Governor	16.62%	Stack	D	0.044318233
20G_AG		Shapiro	D	0.40598917
20G_AG		Heidelbaugh	R	0.59401083
20G_Auditor	46.35%	Ahmad	D	0.34269926
20G_Auditor	49.44%	Defoor	R	0.65730077
20G_President	50.01%	Biden	D	0.343554616
20G_President	48.84%	Trump	R	0.656445384
20G_Treasurer		Torsella	D	0.359566987
20G_Treasurer		Garrity	R	0.640433013
20P_Auditor	36.44%	Ahmad	D	0.094506584
20P_Auditor	7.47%	Conklin	D	0.057727244
20P_Auditor	5.99%	Davis	D	0.023160106
20P_Auditor	9.00%	Fountain	D	0.031539269
20P_Auditor	13.97%	Hartman	D	0.058950752
20P_Auditor	27.14%	Lamb	D	0.734116077
20P_President	79.26%	Biden	D	0.791402876
20P_President	2.70%	Gabbard	D	0.055470265
20P_President	18.04%	Sanders	D	0.153126866

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.496245027
12G_AG	41.56%	Freed	R	0.503754973
12G_Auditor		Depasquale	D	0.431633294
12G_Auditor		Maher	R	0.568366706
12G_President		Obama	D	0.452536494
12G_President		Romney	R	0.547463536
12G_Treasurer		McCord	D	0.473664165
12G_Treasurer		Vaughan	R	0.526335835
12G_US_Senate	53.69%	Casey	D	0.456247747
12G_US_Senate	44.59%	Smith	R	0.543752253
12P_AG	52.82%	Kane	D	0.68803221
12P_AG	47.18%	Murphy	D	0.31196779
12P_US_Senate	80.88%	Casey	D	0.775704682
12P_US_Senate	19.12%	Vodvarka	D	0.224295288
14G_Governor	54.93%	Wolf	D	0.472907037
14G_Governor	45.07%	Corbett	R	0.527092993
14P_Governor	16.84%	McCord	D	0.259887129
14P_Governor	7.66%	McGinty	D	0.086447269
14P_Governor	17.64%	Schwartz	D	0.071177922
14P_Governor	57.86%	Wolf	D	0.582487643
14P_Lt_Governor	15.88%	Critz	D	0.161731213
14P_Lt_Governor	11.91%	Koplinski	D	0.102139138
14P_Lt_Governor	10.84%	Neuman	D	0.210797787
14P_Lt_Governor	14.57%	Smith	D	0.323645681
14P_Lt_Governor	46.79%	Stack	D	0.201686174
16G_AG	51.39%	Shapiro	D	0.406871259
16G_AG	48.61%	Rafferty	R	0.593128741
16G_Auditor		Depasquale	D	0.421881855
16G_Auditor		Brown	R	0.578118145
16G_President	47.85%	Clinton	D	0.37667048
16G_President	48.58%	Trump	R	0.62332952
16G_Treasurer		Torsella	D	0.440590024
16G_Treasurer		Voit	R	0.559409976
16G_US_Senate	47.34%	McGinty	D	0.382466346
16G_US_Senate	48.77%	Toomey	R	0.617533684
16P_AG	16.22%	Morganelli	D	0.175090656
16P_AG	47.03%	Shapiro	D	0.382672876
16P_AG	36.74%	Zappala	D	0.442236453
16P_President	55.61%	Clinton	D	0.523448169
16P_President	0.86%	DeLaFuente	D	0.012675639
16P_President	43.53%	Sanders	D	0.463876218
16P_US_Senate	19.49%	Fetterman	D	0.243122563
16P_US_Senate	42.50%	McGinty	D	0.370379984
16P_US_Senate	32.57%	Sestak	D	0.317488015
16P_US_Senate	5.45%	Vodvarka	D	0.069009453

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.386837542
17G_Supreme_Court		Mundy	R	0.613162458
18G_Governor	57.77%	Wolf	D	0.484404922
18G_Governor	40.70%	Wagner	R	0.515595078
18G_US_Senator		Casey	D	0.470357955
18G_US_Senator		Barletta	R	0.529642045
18P_Lt_Governor	23.78%	Ahmad	D	0.102148123
18P_Lt_Governor	18.55%	Cozzone	D	0.198509783
18P_Lt_Governor	37.48%	Fetterman	D	0.619124353
18P_Lt_Governor	3.58%	Sosa	D	0.025470976
18P_Lt_Governor	16.62%	Stack	D	0.054746743
20G_AG		Shapiro	D	0.419715732
20G_AG		Heidelbaugh	R	0.580284238
20G_Auditor	46.35%	Ahmad	D	0.367965013
20G_Auditor	49.44%	Defoor	R	0.632035017
20G_President	50.01%	Biden	D	0.388832778
20G_President	48.84%	Trump	R	0.611167252
20G_Treasurer		Torsella	D	0.384138465
20G_Treasurer		Garrity	R	0.615861535
20P_Auditor	36.44%	Ahmad	D	0.127010942
20P_Auditor	7.47%	Conklin	D	0.08536233
20P_Auditor	5.99%	Davis	D	0.052638419
20P_Auditor	9.00%	Fountain	D	0.067671776
20P_Auditor	13.97%	Hartman	D	0.101363257
20P_Auditor	27.14%	Lamb	D	0.565953255
20P_President	79.26%	Biden	D	0.793824375
20P_President	2.70%	Gabbard	D	0.03609791
20P_President	18.04%	Sanders	D	0.170077741

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.52882731
12G_AG	41.56%	Freed	R	0.471172661
12G_Auditor		Depasquale	D	0.471919
12G_Auditor		Maher	R	0.528081
12G_President		Obama	D	0.454237968
12G_President		Romney	R	0.545762062
12G_Treasurer		McCord	D	0.498406529
12G_Treasurer		Vaughan	R	0.501593471
12G_US_Senate	53.69%	Casey	D	0.494598448
12G_US_Senate	44.59%	Smith	R	0.505401552
12P_AG	52.82%	Kane	D	0.549743712
12P_AG	47.18%	Murphy	D	0.450256288
12P_US_Senate	80.88%	Casey	D	0.715994418
12P_US_Senate	19.12%	Vodvarka	D	0.284005582
14G_Governor	54.93%	Wolf	D	0.485061675
14G_Governor	45.07%	Corbett	R	0.514938295
14P_Governor	16.84%	McCord	D	0.176152229
14P_Governor	7.66%	McGinty	D	0.109281406
14P_Governor	17.64%	Schwartz	D	0.102501877
14P_Governor	57.86%	Wolf	D	0.612064481
14P_Lt_Governor	15.88%	Critz	D	0.333054125
14P_Lt_Governor	11.91%	Koplinski	D	0.046989601
14P_Lt_Governor	10.84%	Neuman	D	0.252313733
14P_Lt_Governor	14.57%	Smith	D	0.085235052
14P_Lt_Governor	46.79%	Stack	D	0.282407492
16G_AG	51.39%	Shapiro	D	0.47546342
16G_AG	48.61%	Rafferty	R	0.52453655
16G_Auditor		Depasquale	D	0.534361899
16G_Auditor		Brown	R	0.465638071
16G_President	47.85%	Clinton	D	0.450427204
16G_President	48.58%	Trump	R	0.549572825
16G_Treasurer		Torsella	D	0.514899492
16G_Treasurer		Voit	R	0.485100538
16G_US_Senate	47.34%	McGinty	D	0.449966371
16G_US_Senate	48.77%	Toomey	R	0.550033629
16P_AG	16.22%	Morganelli	D	0.053753268
16P_AG	47.03%	Shapiro	D	0.198440075
16P_AG	36.74%	Zappala	D	0.747806668
16P_President	55.61%	Clinton	D	0.559378803
16P_President	0.86%	DeLaFuente	D	0.011494465
16P_President	43.53%	Sanders	D	0.42912671
16P_US_Senate	19.49%	Fetterman	D	0.333299607
16P_US_Senate	42.50%	McGinty	D	0.385761738
16P_US_Senate	32.57%	Sestak	D	0.211071968
16P_US_Senate	5.45%	Vodvarka	D	0.069866709

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.503356576
17G_Supreme_Court		Mundy	R	0.496643424
18G_Governor	57.77%	Wolf	D	0.571644306
18G_Governor	40.70%	Wagner	R	0.428355664
18G_US_Senator		Casey	D	0.552796185
18G_US_Senator		Barletta	R	0.447203815
18P_Lt_Governor	23.78%	Ahmad	D	0.119244002
18P_Lt_Governor	18.55%	Cozzone	D	0.094681449
18P_Lt_Governor	37.48%	Fetterman	D	0.744378269
18P_Lt_Governor	3.58%	Sosa	D	0.013273611
18P_Lt_Governor	16.62%	Stack	D	0.028422644
20G_AG		Shapiro	D	0.524010956
20G_AG		Heidelbaugh	R	0.475989044
20G_Auditor	46.35%	Ahmad	D	0.458949089
20G_Auditor	49.44%	Defoor	R	0.541050911
20G_President	50.01%	Biden	D	0.476050436
20G_President	48.84%	Trump	R	0.523949564
20G_Treasurer		Torsella	D	0.471578568
20G_Treasurer		Garrity	R	0.528421402
20P_Auditor	36.44%	Ahmad	D	0.103862166
20P_Auditor	7.47%	Conklin	D	0.017579658
20P_Auditor	5.99%	Davis	D	0.017819716
20P_Auditor	9.00%	Fountain	D	0.03575946
20P_Auditor	13.97%	Hartman	D	0.037883054
20P_Auditor	27.14%	Lamb	D	0.787095964
20P_President	79.26%	Biden	D	0.791394413
20P_President	2.70%	Gabbard	D	0.039485827
20P_President	18.04%	Sanders	D	0.169119775

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.701864183
12G_AG	41.56%	Freed	R	0.298135787
12G_Auditor		Depasquale	D	0.666535378
12G_Auditor		Maher	R	0.333464652
12G_President		Obama	D	0.651489735
12G_President		Romney	R	0.348510265
12G_Treasurer		McCord	D	0.68889308
12G_Treasurer		Vaughan	R	0.31110689
12G_US_Senate	53.69%	Casey	D	0.679277837
12G_US_Senate	44.59%	Smith	R	0.320722193
12P_AG	52.82%	Kane	D	0.517861366
12P_AG	47.18%	Murphy	D	0.482138634
12P_US_Senate	80.88%	Casey	D	0.722892284
12P_US_Senate	19.12%	Vodvarka	D	0.277107716
14G_Governor	54.93%	Wolf	D	0.661302626
14G_Governor	45.07%	Corbett	R	0.338697374
14P_Governor	16.84%	McCord	D	0.142528608
14P_Governor	7.66%	McGinty	D	0.102774456
14P_Governor	17.64%	Schwartz	D	0.149548799
14P_Governor	57.86%	Wolf	D	0.605148137
14P_Lt_Governor	15.88%	Critz	D	0.285630584
14P_Lt_Governor	11.91%	Koplinski	D	0.06809815
14P_Lt_Governor	10.84%	Neuman	D	0.215834469
14P_Lt_Governor	14.57%	Smith	D	0.071418911
14P_Lt_Governor	46.79%	Stack	D	0.359017909
16G_AG	51.39%	Shapiro	D	0.668510497
16G_AG	48.61%	Rafferty	R	0.331489503
16G_Auditor		Depasquale	D	0.725072622
16G_Auditor		Brown	R	0.274927378
16G_President	47.85%	Clinton	D	0.650367439
16G_President	48.58%	Trump	R	0.349632531
16G_Treasurer		Torsella	D	0.704812109
16G_Treasurer		Voit	R	0.295187891
16G_US_Senate	47.34%	McGinty	D	0.651594281
16G_US_Senate	48.77%	Toomey	R	0.348405719
16P_AG	16.22%	Morganelli	D	0.040148579
16P_AG	47.03%	Shapiro	D	0.240837336
16P_AG	36.74%	Zappala	D	0.719014108
16P_President	55.61%	Clinton	D	0.550267935
16P_President	0.86%	DeLaFuente	D	0.007514695
16P_President	43.53%	Sanders	D	0.44221738
16P_US_Senate	19.49%	Fetterman	D	0.448860198
16P_US_Senate	42.50%	McGinty	D	0.320753098
16P_US_Senate	32.57%	Sestak	D	0.174578011
16P_US_Senate	5.45%	Vodvarka	D	0.055808701

**Reconstituted Election Results for the Proposed Congressional Plan of the Voters of the Commonwealth
Submitted by the Gressman Math/Science Petitioners**

17G_Supreme_Court		Woodruff	D	0.691247165
17G_Supreme_Court		Mundy	R	0.308752835
18G_Governor	57.77%	Wolf	D	0.74269563
18G_Governor	40.70%	Wagner	R	0.257304341
18G_US_Senator		Casey	D	0.730052173
18G_US_Senator		Barletta	R	0.269947797
18P_Lt_Governor	23.78%	Ahmad	D	0.136777028
18P_Lt_Governor	18.55%	Cozzone	D	0.057901595
18P_Lt_Governor	37.48%	Fetterman	D	0.771165431
18P_Lt_Governor	3.58%	Sosa	D	0.008954118
18P_Lt_Governor	16.62%	Stack	D	0.02520182
20G_AG		Shapiro	D	0.702372789
20G_AG		Heidelbaugh	R	0.297627181
20G_Auditor	46.35%	Ahmad	D	0.657829523
20G_Auditor	49.44%	Defoor	R	0.342170477
20G_President	50.01%	Biden	D	0.660769224
20G_President	48.84%	Trump	R	0.339230776
20G_Treasurer		Torsella	D	0.665248752
20G_Treasurer		Garrity	R	0.334751248
20P_Auditor	36.44%	Ahmad	D	0.139405251
20P_Auditor	7.47%	Conklin	D	0.010221363
20P_Auditor	5.99%	Davis	D	0.017275637
20P_Auditor	9.00%	Fountain	D	0.05258701
20P_Auditor	13.97%	Hartman	D	0.023996532
20P_Auditor	27.14%	Lamb	D	0.756514192
20P_President	79.26%	Biden	D	0.747870505
20P_President	2.70%	Gabbard	D	0.029417673
20P_President	18.04%	Sanders	D	0.222711816

Reconstituted Election Results for the Enacted 2018 Congressional Map

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 1

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.530513644
12G_AG	41.56%	Freed	R	0.469486386
12G_Auditor		Depasquale	D	0.482605338
12G_Auditor		Maher	R	0.517394662
12G_President		Obama	D	0.509546995
12G_President		Romney	R	0.490453035
12G_Treasurer		McCord	D	0.506142557
12G_Treasurer		Vaughan	R	0.493857473
12G_US_Senate	53.69%	Casey	D	0.525065422
12G_US_Senate	44.59%	Smith	R	0.474934548
12P_AG	52.82%	Kane	D	0.290077329
12P_AG	47.18%	Murphy	D	0.709922671
12P_US_Senate	80.88%	Casey	D	0.843827844
12P_US_Senate	19.12%	Vodvarka	D	0.156172171
14G_Governor	54.93%	Wolf	D	0.524614513
14G_Governor	45.07%	Corbett	R	0.475385487
14P_Governor	16.84%	McCord	D	0.157161474
14P_Governor	7.66%	McGinty	D	0.056580134
14P_Governor	17.64%	Schwartz	D	0.275182933
14P_Governor	57.86%	Wolf	D	0.511075497
14P_Lt_Governor	15.88%	Critz	D	0.035014786
14P_Lt_Governor	11.91%	Koplinski	D	0.112800628
14P_Lt_Governor	10.84%	Neuman	D	0.063389316
14P_Lt_Governor	14.57%	Smith	D	0.130433574
14P_Lt_Governor	46.79%	Stack	D	0.658361673
16G_AG	51.39%	Shapiro	D	0.511694789
16G_AG	48.61%	Rafferty	R	0.488305211
16G_Auditor		Depasquale	D	0.48183912
16G_Auditor		Brown	R	0.51816088
16G_President	47.85%	Clinton	D	0.509999394
16G_President	48.58%	Trump	R	0.490000606
16G_Treasurer		Torsella	D	0.507992208
16G_Treasurer		Voit	R	0.492007792
16G_US_Senate	47.34%	McGinty	D	0.476436287
16G_US_Senate	48.77%	Toomey	R	0.523563683
16P_AG	16.22%	Morganelli	D	0.16233553
16P_AG	47.03%	Shapiro	D	0.636442363
16P_AG	36.74%	Zappala	D	0.201222077
16P_President	55.61%	Clinton	D	0.55729121
16P_President	0.86%	DeLaFuente	D	0.00933217
16P_President	43.53%	Sanders	D	0.43337661
16P_US_Senate	19.49%	Fetterman	D	0.107263841
16P_US_Senate	42.50%	McGinty	D	0.433363646
16P_US_Senate	32.57%	Sestak	D	0.426384002
16P_US_Senate	5.45%	Vodvarka	D	0.032988518

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.49172619
17G_Supreme_Court		Mundy	R	0.50827378
18G_Governor	57.77%	Wolf	D	0.598671138
18G_Governor	40.70%	Wagner	R	0.401328892
18G_US_Senator		Casey	D	0.576617181
18G_US_Senator		Barletta	R	0.423382819
18P_Lt_Governor	23.78%	Ahmad	D	0.290268064
18P_Lt_Governor	18.55%	Cozzone	D	0.210555956
18P_Lt_Governor	37.48%	Fetterman	D	0.196703866
18P_Lt_Governor	3.58%	Sosa	D	0.085261293
18P_Lt_Governor	16.62%	Stack	D	0.217210799
20G_AG		Shapiro	D	0.532492757
20G_AG		Heidelbaugh	R	0.467507273
20G_Auditor	46.35%	Ahmad	D	0.491474241
20G_Auditor	49.44%	Defoor	R	0.508525789
20G_President	50.01%	Biden	D	0.529501319
20G_President	48.84%	Trump	R	0.470498711
20G_Treasurer		Torsella	D	0.512820482
20G_Treasurer		Garrity	R	0.487179548
20P_Auditor	36.44%	Ahmad	D	0.594061553
20P_Auditor	7.47%	Conklin	D	0.044051915
20P_Auditor	5.99%	Davis	D	0.044402704
20P_Auditor	9.00%	Fountain	D	0.087062791
20P_Auditor	13.97%	Hartman	D	0.155601829
20P_Auditor	27.14%	Lamb	D	0.07481923
20P_President	79.26%	Biden	D	0.819055319
20P_President	2.70%	Gabbard	D	0.020107266
20P_President	18.04%	Sanders	D	0.160837427

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 2

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.798318267
12G_AG	41.56%	Freed	R	0.201681733
12G_Auditor		Depasquale	D	0.766045153
12G_Auditor		Maher	R	0.233954862
12G_President		Obama	D	0.779881775
12G_President		Romney	R	0.22011821
12G_Treasurer		McCord	D	0.793491066
12G_Treasurer		Vaughan	R	0.206508949
12G_US_Senate	53.69%	Casey	D	0.798026264
12G_US_Senate	44.59%	Smith	R	0.201973751
12P_AG	52.82%	Kane	D	0.357488662
12P_AG	47.18%	Murphy	D	0.642511368
12P_US_Senate	80.88%	Casey	D	0.777943075
12P_US_Senate	19.12%	Vodvarka	D	0.22205691
14G_Governor	54.93%	Wolf	D	0.7991786
14G_Governor	45.07%	Corbett	R	0.200821415
14P_Governor	16.84%	McCord	D	0.13275896
14P_Governor	7.66%	McGinty	D	0.051365942
14P_Governor	17.64%	Schwartz	D	0.326153725
14P_Governor	57.86%	Wolf	D	0.489721358
14P_Lt_Governor	15.88%	Critz	D	0.040845707
14P_Lt_Governor	11.91%	Koplinski	D	0.031611204
14P_Lt_Governor	10.84%	Neuman	D	0.032906916
14P_Lt_Governor	14.57%	Smith	D	0.054892845
14P_Lt_Governor	46.79%	Stack	D	0.839743316
15G_Mayor		Kenney	D	0.771017313
15G_Mayor		Bailey	R	0.217864111
15G_Mayor		Foster	U	0.006087926
15G_Mayor		Hart	U	0.00376429
15G_Mayor		Kindij	U	0.001266382
15G_Sheriff		Williams	D	0.674106598
15G_Sheriff		Sawyer	R	0.325893432
15P_Mayor		Abraham	D	0.119259298
15P_Mayor		Diaz	D	0.070026509
15P_Mayor		Kenney	D	0.590244472
15P_Mayor		Oliver	D	0.033567201
15P_Mayor		Street	D	0.014152586
15P_Mayor		Williams	D	0.172749907
16G_AG	51.39%	Shapiro	D	0.769923568
16G_AG	48.61%	Rafferty	R	0.230076417
16G_Auditor		Depasquale	D	0.756808579
16G_Auditor		Brown	R	0.243191451
16G_Congress_Dist1		Brady	D	0.811993837
16G_Congress_Dist1		Williams	R	0.188006163
16G_President	47.85%	Clinton	D	0.745578706

Reconstituted Election Results for the Enacted 2018 Congressional Map

16G_President	48.58%	Trump	R	0.254421294
16G_Treasurer		Torsella	D	0.785343111
16G_Treasurer		Voit	R	0.214656919
16G_US_Senate	47.34%	McGinty	D	0.737214446
16G_US_Senate	48.77%	Toomey	R	0.262785554
16P_AG	16.22%	Morganelli	D	0.127650082
16P_AG	47.03%	Shapiro	D	0.501546204
16P_AG	36.74%	Zappala	D	0.370803714
16P_Congress_Dist2		Evans	D	0.429542363
16P_Congress_Dist2		Fattah	D	0.419347525
16P_Congress_Dist2		Gordon	D	0.133590087
16P_Congress_Dist2		Muroff	D	0.017520012
16P_President	55.61%	Clinton	D	0.607488394
16P_President	0.86%	DeLaFuente	D	0.00740331
16P_President	43.53%	Sanders	D	0.385108292
16P_US_Senate	19.49%	Fetterman	D	0.200254232
16P_US_Senate	42.50%	McGinty	D	0.388718218
16P_US_Senate	32.57%	Sestak	D	0.274396181
16P_US_Senate	5.45%	Vodvarka	D	0.136631355
17G_Supreme_Court		Woodruff	D	0.625215888
17G_Supreme_Court		Mundy	R	0.374784082
17P_DA		Deni	D	0.02532417
17P_DA		Khan	D	0.198912933
17P_DA		Krasner	D	0.274861068
17P_DA		Negrin	D	0.192234576
17P_DA		ONeill	D	0.113190994
17P_DA		Shabazz	D	0.079043582
17P_DA		Untermeyer	D	0.116432682
18G_Congress_Dist2		Boyle	D	0.790169418
18G_Congress_Dist2		Torres	R	0.209830582
18G_Congress_Dist3		Evans	D	
18G_Congress_Dist3		Leib	R	
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.800192952
18G_Governor	40.70%	Wagner	R	0.199807033
18G_US_Senator		Casey	D	0.794360638
18G_US_Senator		Barletta	R	0.205639377
18P_Congress_Dist2		Boyle	D	0.645664334
18P_Congress_Dist2		Lawrence	D	0.354335666
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Enacted 2018 Congressional Map

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.184345812
18P_Lt_Governor	18.55%	Cozzone	D	0.164212853
18P_Lt_Governor	37.48%	Fetterman	D	0.159368023
18P_Lt_Governor	3.58%	Sosa	D	0.014184588
18P_Lt_Governor	16.62%	Stack	D	0.477888733
19P_Mayor		Butkovitz	D	0.16391018
19P_Mayor		Kenney	D	0.607701302
19P_Mayor		Williams	D	0.228388488
19P_Municipal_Judge		Brunson	D	0.441544533
19P_Municipal_Judge		Conroy	D	0.558455467
19P_Register_Wills		Donatucci	D	0.437736332
19P_Register_Wills		Gordon	D	0.411419392
19P_Register_Wills		Whaumbush	D	0.150844246
20G_AG		Shapiro	D	0.731494248
20G_AG		Heidelbaugh	R	0.268505782
20G_Auditor	46.35%	Ahmad	D	0.712792039
20G_Auditor	49.44%	Defoor	R	0.287207931
20G_Congress_Dist2		Boyle	D	0.725222229
20G_Congress_Dist2		Torres	R	0.27477774
20G_President	50.01%	Biden	D	0.706560731
20G_President	48.84%	Trump	R	0.293439269
20G_Treasurer		Torsella	D	0.718472362
20G_Treasurer		Garrity	R	0.281527638
20P_Auditor	36.44%	Ahmad	D	0.69713974
20P_Auditor	7.47%	Conklin	D	0.036298439
20P_Auditor	5.99%	Davis	D	0.059885874
20P_Auditor	9.00%	Fountain	D	0.054513182
20P_Auditor	13.97%	Hartman	D	0.049748044
20P_Auditor	27.14%	Lamb	D	0.102414735
20P_President	79.26%	Biden	D	0.787588835
20P_President	2.70%	Gabbard	D	0.02318416
20P_President	18.04%	Sanders	D	0.189227015
21G_Superior_Judge		Lane	D	0.609038472
21G_Superior_Judge		Sullivan	R	0.390961528
21P_DA		Krasner	D	0.462353021
21P_DA		Vega	D	0.537646949
21P_Superior_Judge		Beck	D	0.18299745
21P_Superior_Judge		Lane	D	0.7661044
21P_Superior_Judge		Neft	D	0.050898142

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 3

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.924870312
12G_AG	41.56%	Freed	R	0.075129703
12G_Auditor		Depasquale	D	0.91023308
12G_Auditor		Maher	R	0.089766912
12G_President		Obama	D	0.923706532
12G_President		Romney	R	0.076293461
12G_Treasurer		McCord	D	0.920331836
12G_Treasurer		Vaughan	R	0.079668187
12G_US_Senate	53.69%	Casey	D	0.926306963
12G_US_Senate	44.59%	Smith	R	0.073693052
12P_AG	52.82%	Kane	D	0.37369141
12P_AG	47.18%	Murphy	D	0.62630862
12P_US_Senate	80.88%	Casey	D	0.815725625
12P_US_Senate	19.12%	Vodvarka	D	0.184274361
14G_Governor	54.93%	Wolf	D	0.936346352
14G_Governor	45.07%	Corbett	R	0.06365364
14P_Governor	16.84%	McCord	D	0.165264159
14P_Governor	7.66%	McGinty	D	0.034775682
14P_Governor	17.64%	Schwartz	D	0.323885888
14P_Governor	57.86%	Wolf	D	0.476074278
14P_Lt_Governor	15.88%	Critz	D	0.033755526
14P_Lt_Governor	11.91%	Koplinski	D	0.035710476
14P_Lt_Governor	10.84%	Neuman	D	0.04123174
14P_Lt_Governor	14.57%	Smith	D	0.061776519
14P_Lt_Governor	46.79%	Stack	D	0.827525735
15G_Mayor		Kenney	D	0.902419508
15G_Mayor		Bailey	R	0.081562728
15G_Mayor		Foster	U	0.008289442
15G_Mayor		Hart	U	0.006254489
15G_Mayor		Kindij	U	0.001473845
15G_Sheriff		Williams	D	0.859548986
15G_Sheriff		Sawyer	R	0.140450984
15P_Mayor		Abraham	D	0.069908053
15P_Mayor		Diaz	D	0.023230961
15P_Mayor		Kenney	D	0.524981022
15P_Mayor		Oliver	D	0.050191499
15P_Mayor		Street	D	0.018655058
15P_Mayor		Williams	D	0.313033432
16G_AG	51.39%	Shapiro	D	0.912649095
16G_AG	48.61%	Rafferty	R	0.08735092
16G_Auditor		Depasquale	D	0.907689333
16G_Auditor		Brown	R	0.092310667
16G_Congress_Dist1		Brady	D	0.874550462
16G_Congress_Dist1		Williams	R	0.125449538
16G_President	47.85%	Clinton	D	0.92825681

Reconstituted Election Results for the Enacted 2018 Congressional Map

16G_President	48.58%	Trump	R	0.071743198
16G_Treasurer		Torsella	D	0.915347636
16G_Treasurer		Voit	R	0.084652357
16G_US_Senate	47.34%	McGinty	D	0.903279245
16G_US_Senate	48.77%	Toomey	R	0.09672077
16P_AG	16.22%	Morganelli	D	0.090256751
16P_AG	47.03%	Shapiro	D	0.618503392
16P_AG	36.74%	Zappala	D	0.291239858
16P_Congress_Dist2		Evans	D	0.437055618
16P_Congress_Dist2		Fattah	D	0.360696971
16P_Congress_Dist2		Gordon	D	0.110899299
16P_Congress_Dist2		Muroff	D	0.091348119
16P_President	55.61%	Clinton	D	0.638953626
16P_President	0.86%	DeLaFuente	D	0.002283039
16P_President	43.53%	Sanders	D	0.358763307
16P_US_Senate	19.49%	Fetterman	D	0.172954977
16P_US_Senate	42.50%	McGinty	D	0.459161669
16P_US_Senate	32.57%	Sestak	D	0.269496799
16P_US_Senate	5.45%	Vodvarka	D	0.098386548
17G_Supreme_Court		Woodruff	D	0.90298146
17G_Supreme_Court		Mundy	R	0.097018532
17P_DA		Deni	D	0.011029872
17P_DA		Khan	D	0.211176291
17P_DA		Krasner	D	0.430694848
17P_DA		Negrin	D	0.121482722
17P_DA		ONeill	D	0.025604716
17P_DA		Shabazz	D	0.132897913
17P_DA		Untermeyer	D	0.067113638
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.933808923
18G_Congress_Dist3		Leib	R	0.066191107
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.944048285
18G_Governor	40.70%	Wagner	R	0.055951692
18G_US_Senator		Casey	D	0.941672206
18G_US_Senator		Barletta	R	0.058327809
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Enacted 2018 Congressional Map

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.319788933
18P_Lt_Governor	18.55%	Cozzone	D	0.152742386
18P_Lt_Governor	37.48%	Fetterman	D	0.187132999
18P_Lt_Governor	3.58%	Sosa	D	0.008128894
18P_Lt_Governor	16.62%	Stack	D	0.332206815
19P_Mayor		Butkovitz	D	0.051676877
19P_Mayor		Kenney	D	0.704012275
19P_Mayor		Williams	D	0.244310871
19P_Municipal_Judge		Brunson	D	0.455589473
19P_Municipal_Judge		Conroy	D	0.544410527
19P_Register_Wills		Donatucci	D	0.363750219
19P_Register_Wills		Gordon	D	0.466101199
19P_Register_Wills		Whaumbush	D	0.170148581
20G_AG		Shapiro	D	0.914345026
20G_AG		Heidelbaugh	R	0.085654959
20G_Auditor	46.35%	Ahmad	D	0.907473981
20G_Auditor	49.44%	Defoor	R	0.092525996
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.918305337
20G_President	48.84%	Trump	R	0.081694685
20G_Treasurer		Torsella	D	0.906313479
20G_Treasurer		Garrity	R	0.093686536
20P_Auditor	36.44%	Ahmad	D	0.733585358
20P_Auditor	7.47%	Conklin	D	0.023785084
20P_Auditor	5.99%	Davis	D	0.044006113
20P_Auditor	9.00%	Fountain	D	0.066126071
20P_Auditor	13.97%	Hartman	D	0.038320731
20P_Auditor	27.14%	Lamb	D	0.09417662
20P_President	79.26%	Biden	D	0.798527777
20P_President	2.70%	Gabbard	D	0.009686619
20P_President	18.04%	Sanders	D	0.191785574
21G_Superior_Judge		Lane	D	0.918137312
21G_Superior_Judge		Sullivan	R	0.081862696
21P_DA		Krasner	D	0.785098374
21P_DA		Vega	D	0.214901611
21P_Superior_Judge		Beck	D	0.10085465
21P_Superior_Judge		Lane	D	0.875431716
21P_Superior_Judge		Neft	D	0.023713622

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 4

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.580501676
12G_AG	41.56%	Freed	R	0.419498324
12G_Auditor		Depasquale	D	0.534446657
12G_Auditor		Maher	R	0.465553343
12G_President		Obama	D	0.567146957
12G_President		Romney	R	0.432853043
12G_Treasurer		McCord	D	0.564513922
12G_Treasurer		Vaughan	R	0.435486078
12G_US_Senate	53.69%	Casey	D	0.585676312
12G_US_Senate	44.59%	Smith	R	0.414323688
12P_AG	52.82%	Kane	D	0.37816757
12P_AG	47.18%	Murphy	D	0.62183243
12P_US_Senate	80.88%	Casey	D	0.87749505
12P_US_Senate	19.12%	Vodvarka	D	0.122504942
14G_Governor	54.93%	Wolf	D	0.595306516
14G_Governor	45.07%	Corbett	R	0.404693484
14P_Governor	16.84%	McCord	D	0.156295195
14P_Governor	7.66%	McGinty	D	0.039471999
14P_Governor	17.64%	Schwartz	D	0.392138541
14P_Governor	57.86%	Wolf	D	0.412094235
14P_Lt_Governor	15.88%	Critz	D	0.029016016
14P_Lt_Governor	11.91%	Koplinski	D	0.09525153
14P_Lt_Governor	10.84%	Neuman	D	0.058335867
14P_Lt_Governor	14.57%	Smith	D	0.126025438
14P_Lt_Governor	46.79%	Stack	D	0.691371143
15G_Mayor		Kenney	D	
15G_Mayor		Bailey	R	
15G_Mayor		Foster	U	
15G_Mayor		Hart	U	
15G_Mayor		Kindij	U	
15G_Sheriff		Williams	D	
15G_Sheriff		Sawyer	R	
15P_Mayor		Abraham	D	
15P_Mayor		Diaz	D	
15P_Mayor		Kenney	D	
15P_Mayor		Oliver	D	
15P_Mayor		Street	D	
15P_Mayor		Williams	D	
16G_AG	51.39%	Shapiro	D	0.585348308
16G_AG	48.61%	Rafferty	R	0.414651692
16G_Auditor		Depasquale	D	0.548048556
16G_Auditor		Brown	R	0.451951474
16G_Congress_Dist1		Brady	D	
16G_Congress_Dist1		Williams	R	
16G_President	47.85%	Clinton	D	0.600132108

Reconstituted Election Results for the Enacted 2018 Congressional Map

16G_President	48.58%	Trump	R	0.399867892
16G_Treasurer		Torsella	D	0.581707597
16G_Treasurer		Voit	R	0.418292403
16G_US_Senate	47.34%	McGinty	D	0.547344565
16G_US_Senate	48.77%	Toomey	R	0.452655435
16P_AG	16.22%	Morganelli	D	0.054938395
16P_AG	47.03%	Shapiro	D	0.811062694
16P_AG	36.74%	Zappala	D	0.133998901
16P_Congress_Dist2		Evans	D	
16P_Congress_Dist2		Fattah	D	
16P_Congress_Dist2		Gordon	D	
16P_Congress_Dist2		Muroff	D	
16P_President	55.61%	Clinton	D	0.585807502
16P_President	0.86%	DeLaFuente	D	0.003554875
16P_President	43.53%	Sanders	D	0.410637617
16P_US_Senate	19.49%	Fetterman	D	0.098469459
16P_US_Senate	42.50%	McGinty	D	0.451858521
16P_US_Senate	32.57%	Sestak	D	0.441467851
16P_US_Senate	5.45%	Vodvarka	D	0.008204175
17G_Supreme_Court		Woodruff	D	0.562448204
17G_Supreme_Court		Mundy	R	0.437551767
17P_DA		Deni	D	
17P_DA		Khan	D	
17P_DA		Krasner	D	
17P_DA		Negrin	D	
17P_DA		ONeill	D	
17P_DA		Shabazz	D	
17P_DA		Untermeyer	D	
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	1
18G_Congress_Dist3		Leib	R	0
18G_Congress_Dist5		Scanlon	D	
18G_Congress_Dist5		Kim	R	
18G_Governor	57.77%	Wolf	D	0.6740098
18G_Governor	40.70%	Wagner	R	0.32599023
18G_US_Senator		Casey	D	0.653893173
18G_US_Senator		Barletta	R	0.346106827
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	
18P_Congress_Dist5		Davidson	D	
18P_Congress_Dist5		Kirkland	D	
18P_Congress_Dist5		Lazer	D	
18P_Congress_Dist5		Li	D	
18P_Congress_Dist5		Lunkenheimer	D	
18P_Congress_Dist5		Scanlon	D	

Reconstituted Election Results for the Enacted 2018 Congressional Map

18P_Congress_Dist5		Sheehan	D	
18P_Congress_Dist5		Vitali	D	
18P_Congress_Dist5		Wright	D	
18P_Lt_Governor	23.78%	Ahmad	D	0.316747427
18P_Lt_Governor	18.55%	Cozzone	D	0.155831039
18P_Lt_Governor	37.48%	Fetterman	D	0.245809287
18P_Lt_Governor	3.58%	Sosa	D	0.135215655
18P_Lt_Governor	16.62%	Stack	D	0.146396592
19P_Mayor		Butkovitz	D	0
19P_Mayor		Kenney	D	1
19P_Mayor		Williams	D	0
19P_Municipal_Judge		Brunson	D	
19P_Municipal_Judge		Conroy	D	
19P_Register_Wills		Donatucci	D	
19P_Register_Wills		Gordon	D	
19P_Register_Wills		Whaumbush	D	
20G_AG		Shapiro	D	0.626482487
20G_AG		Heidelbaugh	R	0.373517483
20G_Auditor	46.35%	Ahmad	D	0.582818449
20G_Auditor	49.44%	Defoor	R	0.417181551
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.621076584
20G_President	48.84%	Trump	R	0.378923446
20G_Treasurer		Torsella	D	0.599626303
20G_Treasurer		Garrity	R	0.400373697
20P_Auditor	36.44%	Ahmad	D	0.607045054
20P_Auditor	7.47%	Conklin	D	0.045841288
20P_Auditor	5.99%	Davis	D	0.042904403
20P_Auditor	9.00%	Fountain	D	0.075970247
20P_Auditor	13.97%	Hartman	D	0.160137862
20P_Auditor	27.14%	Lamb	D	0.06810113
20P_President	79.26%	Biden	D	0.820725262
20P_President	2.70%	Gabbard	D	0.015247717
20P_President	18.04%	Sanders	D	0.164027035
21G_Superior_Judge		Lane	D	1
21G_Superior_Judge		Sullivan	R	0
21P_DA		Krasner	D	1
21P_DA		Vega	D	0
21P_Superior_Judge		Beck	D	0
21P_Superior_Judge		Lane	D	1
21P_Superior_Judge		Neft	D	0

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 5

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.644645452
12G_AG	41.56%	Freed	R	0.355354548
12G_Auditor		Depasquale	D	0.601048589
12G_Auditor		Maher	R	0.398951411
12G_President		Obama	D	0.639934838
12G_President		Romney	R	0.360065192
12G_Treasurer		McCord	D	0.621910393
12G_Treasurer		Vaughan	R	0.378089607
12G_US_Senate	53.69%	Casey	D	0.655789316
12G_US_Senate	44.59%	Smith	R	0.344210684
12P_AG	52.82%	Kane	D	0.371389508
12P_AG	47.18%	Murphy	D	0.628610492
12P_US_Senate	80.88%	Casey	D	0.845621049
12P_US_Senate	19.12%	Vodvarka	D	0.154378936
14G_Governor	54.93%	Wolf	D	0.644807696
14G_Governor	45.07%	Corbett	R	0.355192304
14P_Governor	16.84%	McCord	D	0.166620299
14P_Governor	7.66%	McGinty	D	0.052038088
14P_Governor	17.64%	Schwartz	D	0.287942648
14P_Governor	57.86%	Wolf	D	0.493398964
14P_Lt_Governor	15.88%	Critz	D	0.039302718
14P_Lt_Governor	11.91%	Koplinski	D	0.079770878
14P_Lt_Governor	10.84%	Neuman	D	0.046444159
14P_Lt_Governor	14.57%	Smith	D	0.121652447
14P_Lt_Governor	46.79%	Stack	D	0.712829769
15G_Mayor		Kenney	D	0.889502764
15G_Mayor		Bailey	R	0.101359963
15G_Mayor		Foster	U	0.004249894
15G_Mayor		Hart	U	0.004037399
15G_Mayor		Kindij	U	0.000849979
15G_Sheriff		Williams	D	0.81279552
15G_Sheriff		Sawyer	R	0.187204495
15P_Mayor		Abraham	D	0.055968668
15P_Mayor		Diaz	D	0.011005354
15P_Mayor		Kenney	D	0.669095755
15P_Mayor		Oliver	D	0.021267103
15P_Mayor		Street	D	0.013731905
15P_Mayor		Williams	D	0.228931189
16G_AG	51.39%	Shapiro	D	0.618199468
16G_AG	48.61%	Rafferty	R	0.381800532
16G_Auditor		Depasquale	D	0.604891121
16G_Auditor		Brown	R	0.395108908
16G_Congress_Dist1		Brady	D	0.805323124
16G_Congress_Dist1		Williams	R	0.194676861
16G_President	47.85%	Clinton	D	0.645777941

Reconstituted Election Results for the Enacted 2018 Congressional Map

16G_President	48.58%	Trump	R	0.354222059
16G_Treasurer		Torsella	D	0.627396584
16G_Treasurer		Voit	R	0.372603446
16G_US_Senate	47.34%	McGinty	D	0.599290729
16G_US_Senate	48.77%	Toomey	R	0.400709301
16P_AG	16.22%	Morganelli	D	0.104848213
16P_AG	47.03%	Shapiro	D	0.607957065
16P_AG	36.74%	Zappala	D	0.287194699
16P_Congress_Dist2		Evans	D	0.381253958
16P_Congress_Dist2		Fattah	D	0.497783393
16P_Congress_Dist2		Gordon	D	0.1139962
16P_Congress_Dist2		Muroff	D	0.006966434
16P_President	55.61%	Clinton	D	0.60390389
16P_President	0.86%	DeLaFuente	D	0.004718779
16P_President	43.53%	Sanders	D	0.39137733
16P_US_Senate	19.49%	Fetterman	D	0.09265361
16P_US_Senate	42.50%	McGinty	D	0.311048537
16P_US_Senate	32.57%	Sestak	D	0.550659955
16P_US_Senate	5.45%	Vodvarka	D	0.045637891
17G_Supreme_Court		Woodruff	D	0.540036082
17G_Supreme_Court		Mundy	R	0.459963948
17P_DA		Deni	D	0.014425851
17P_DA		Khan	D	0.134545103
17P_DA		Krasner	D	0.32535103
17P_DA		Negrin	D	0.149451822
17P_DA		ONeill	D	0.186670512
17P_DA		Shabazz	D	0.096653201
17P_DA		Untermeyer	D	0.092902482
18G_Congress_Dist2		Boyle	D	
18G_Congress_Dist2		Torres	R	
18G_Congress_Dist3		Evans	D	0.888888896
18G_Congress_Dist3		Leib	R	0.111111112
18G_Congress_Dist5		Scanlon	D	0.803309083
18G_Congress_Dist5		Kim	R	0.196690932
18G_Governor	57.77%	Wolf	D	0.70197022
18G_Governor	40.70%	Wagner	R	0.29802981
18G_US_Senator		Casey	D	0.687616825
18G_US_Senator		Barletta	R	0.312383175
18P_Congress_Dist2		Boyle	D	
18P_Congress_Dist2		Lawrence	D	
18P_Congress_Dist5		Arata	D	0.010880567
18P_Congress_Dist5		Davidson	D	0.021339405
18P_Congress_Dist5		Kirkland	D	0.025809716
18P_Congress_Dist5		Lazer	D	0.411184222
18P_Congress_Dist5		Li	D	0.124409579
18P_Congress_Dist5		Lunkenheimer	D	0.067223348
18P_Congress_Dist5		Scanlon	D	0.08316464

Reconstituted Election Results for the Enacted 2018 Congressional Map

18P_Congress_Dist5		Sheehan	D	0.133350208
18P_Congress_Dist5		Vitali	D	0.040991902
18P_Congress_Dist5		Wright	D	0.08164642
18P_Lt_Governor	23.78%	Ahmad	D	0.357215792
18P_Lt_Governor	18.55%	Cozzone	D	0.216403723
18P_Lt_Governor	37.48%	Fetterman	D	0.18629384
18P_Lt_Governor	3.58%	Sosa	D	0.023489224
18P_Lt_Governor	16.62%	Stack	D	0.216597408
19P_Mayor		Butkovitz	D	0.118902437
19P_Mayor		Kenney	D	0.590258062
19P_Mayor		Williams	D	0.290839463
19P_Municipal_Judge		Brunson	D	0.36142236
19P_Municipal_Judge		Conroy	D	0.63857764
19P_Register_Wills		Donatucci	D	0.556989431
19P_Register_Wills		Gordon	D	0.347467124
19P_Register_Wills		Whaumbush	D	0.095543444
20G_AG		Shapiro	D	0.645086646
20G_AG		Heidelbaugh	R	0.354913354
20G_Auditor	46.35%	Ahmad	D	0.620013475
20G_Auditor	49.44%	Defoor	R	0.379986525
20G_Congress_Dist2		Boyle	D	
20G_Congress_Dist2		Torres	R	
20G_President	50.01%	Biden	D	0.656177282
20G_President	48.84%	Trump	R	0.343822718
20G_Treasurer		Torsella	D	0.631437123
20G_Treasurer		Garrity	R	0.368562907
20P_Auditor	36.44%	Ahmad	D	0.693145573
20P_Auditor	7.47%	Conklin	D	0.036522947
20P_Auditor	5.99%	Davis	D	0.042373944
20P_Auditor	9.00%	Fountain	D	0.067773245
20P_Auditor	13.97%	Hartman	D	0.092854455
20P_Auditor	27.14%	Lamb	D	0.067329846
20P_President	79.26%	Biden	D	0.822260797
20P_President	2.70%	Gabbard	D	0.012545581
20P_President	18.04%	Sanders	D	0.165193617
21G_Superior_Judge		Lane	D	0.688572586
21G_Superior_Judge		Sullivan	R	0.311427414
21P_DA		Krasner	D	0.52766782
21P_DA		Vega	D	0.47233215
21P_Superior_Judge		Beck	D	0.155787066
21P_Superior_Judge		Lane	D	0.80349803
21P_Superior_Judge		Neft	D	0.040714901

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 6

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.536094785
12G_AG	41.56%	Freed	R	0.463905215
12G_Auditor		Depasquale	D	0.466755122
12G_Auditor		Maher	R	0.533244848
12G_President		Obama	D	0.516073644
12G_President		Romney	R	0.483926326
12G_Treasurer		McCord	D	0.502239525
12G_Treasurer		Vaughan	R	0.497760504
12G_US_Senate	53.69%	Casey	D	0.529844046
12G_US_Senate	44.59%	Smith	R	0.470155925
12P_AG	52.82%	Kane	D	0.447520584
12P_AG	47.18%	Murphy	D	0.552479446
12P_US_Senate	80.88%	Casey	D	0.857574165
12P_US_Senate	19.12%	Vodvarka	D	0.142425805
14G_Governor	54.93%	Wolf	D	0.526341677
14G_Governor	45.07%	Corbett	R	0.473658353
14P_Governor	16.84%	McCord	D	0.187911883
14P_Governor	7.66%	McGinty	D	0.088652484
14P_Governor	17.64%	Schwartz	D	0.177493259
14P_Governor	57.86%	Wolf	D	0.545942366
14P_Lt_Governor	15.88%	Critz	D	0.039876439
14P_Lt_Governor	11.91%	Koplinski	D	0.202155292
14P_Lt_Governor	10.84%	Neuman	D	0.052548442
14P_Lt_Governor	14.57%	Smith	D	0.154064864
14P_Lt_Governor	46.79%	Stack	D	0.551354945
16G_AG	51.39%	Shapiro	D	0.511910319
16G_AG	48.61%	Rafferty	R	0.48808971
16G_Auditor		Depasquale	D	0.492605448
16G_Auditor		Brown	R	0.507394552
16G_President	47.85%	Clinton	D	0.54829514
16G_President	48.58%	Trump	R	0.45170489
16G_Treasurer		Torsella	D	0.522551835
16G_Treasurer		Voit	R	0.477448165
16G_US_Senate	47.34%	McGinty	D	0.498566866
16G_US_Senate	48.77%	Toomey	R	0.501433134
16P_AG	16.22%	Morganelli	D	0.126547307
16P_AG	47.03%	Shapiro	D	0.652622938
16P_AG	36.74%	Zappala	D	0.220829785
16P_President	55.61%	Clinton	D	0.543281138
16P_President	0.86%	DeLaFuente	D	0.004564974
16P_President	43.53%	Sanders	D	0.452153891
16P_US_Senate	19.49%	Fetterman	D	0.078198314
16P_US_Senate	42.50%	McGinty	D	0.477635294
16P_US_Senate	32.57%	Sestak	D	0.425985307
16P_US_Senate	5.45%	Vodvarka	D	0.018181108

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.493122637
17G_Supreme_Court		Mundy	R	0.506877363
18G_Governor	57.77%	Wolf	D	0.620738387
18G_Governor	40.70%	Wagner	R	0.379261613
18G_US_Senator		Casey	D	0.601195395
18G_US_Senator		Barletta	R	0.398804635
18P_Lt_Governor	23.78%	Ahmad	D	0.188745484
18P_Lt_Governor	18.55%	Cozzone	D	0.561187029
18P_Lt_Governor	37.48%	Fetterman	D	0.151509419
18P_Lt_Governor	3.58%	Sosa	D	0.0170654
18P_Lt_Governor	16.62%	Stack	D	0.081492685
20G_AG		Shapiro	D	0.557129622
20G_AG		Heidelbaugh	R	0.442870349
20G_Auditor	46.35%	Ahmad	D	0.52731812
20G_Auditor	49.44%	Defoor	R	0.47268185
20G_President	50.01%	Biden	D	0.576174617
20G_President	48.84%	Trump	R	0.423825383
20G_Treasurer		Torsella	D	0.541538596
20G_Treasurer		Garrity	R	0.458461404
20P_Auditor	36.44%	Ahmad	D	0.382854253
20P_Auditor	7.47%	Conklin	D	0.040138796
20P_Auditor	5.99%	Davis	D	0.035039388
20P_Auditor	9.00%	Fountain	D	0.068613432
20P_Auditor	13.97%	Hartman	D	0.410977215
20P_Auditor	27.14%	Lamb	D	0.062376909
20P_President	79.26%	Biden	D	0.814219773
20P_President	2.70%	Gabbard	D	0.015763696
20P_President	18.04%	Sanders	D	0.170016542

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 7

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.568923235
12G_AG	41.56%	Freed	R	0.431076795
12G_Auditor		Depasquale	D	0.514080584
12G_Auditor		Maher	R	0.485919416
12G_President		Obama	D	0.535739541
12G_President		Romney	R	0.464260459
12G_Treasurer		McCord	D	0.543486953
12G_Treasurer		Vaughan	R	0.456513047
12G_US_Senate	53.69%	Casey	D	0.547741771
12G_US_Senate	44.59%	Smith	R	0.452258259
12P_AG	52.82%	Kane	D	0.492116094
12P_AG	47.18%	Murphy	D	0.507883906
12P_US_Senate	80.88%	Casey	D	0.819695354
12P_US_Senate	19.12%	Vodvarka	D	0.180304661
14G_Governor	54.93%	Wolf	D	0.551828861
14G_Governor	45.07%	Corbett	R	0.448171139
14P_Governor	16.84%	McCord	D	0.15417178
14P_Governor	7.66%	McGinty	D	0.06095092
14P_Governor	17.64%	Schwartz	D	0.150766864
14P_Governor	57.86%	Wolf	D	0.634110451
14P_Lt_Governor	15.88%	Critz	D	0.054989289
14P_Lt_Governor	11.91%	Koplinski	D	0.153630257
14P_Lt_Governor	10.84%	Neuman	D	0.073639117
14P_Lt_Governor	14.57%	Smith	D	0.224204153
14P_Lt_Governor	46.79%	Stack	D	0.493537188
16G_AG	51.39%	Shapiro	D	0.525797427
16G_AG	48.61%	Rafferty	R	0.474202573
16G_Auditor		Depasquale	D	0.502898633
16G_Auditor		Brown	R	0.497101367
16G_President	47.85%	Clinton	D	0.505643964
16G_President	48.58%	Trump	R	0.494356066
16G_Treasurer		Torsella	D	0.535919905
16G_Treasurer		Voit	R	0.464080125
16G_US_Senate	47.34%	McGinty	D	0.492407799
16G_US_Senate	48.77%	Toomey	R	0.507592201
16P_AG	16.22%	Morganelli	D	0.671075284
16P_AG	47.03%	Shapiro	D	0.243259236
16P_AG	36.74%	Zappala	D	0.085665464
16P_President	55.61%	Clinton	D	0.517630279
16P_President	0.86%	DeLaFuente	D	0.007464448
16P_President	43.53%	Sanders	D	0.474905282
16P_US_Senate	19.49%	Fetterman	D	0.109923542
16P_US_Senate	42.50%	McGinty	D	0.418331444
16P_US_Senate	32.57%	Sestak	D	0.432170361
16P_US_Senate	5.45%	Vodvarka	D	0.039574645

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.484746993
17G_Supreme_Court		Mundy	R	0.515253007
18G_Governor	57.77%	Wolf	D	0.598224759
18G_Governor	40.70%	Wagner	R	0.401775211
18G_US_Senator		Casey	D	0.570484757
18G_US_Senator		Barletta	R	0.429515243
18P_Lt_Governor	23.78%	Ahmad	D	0.296362996
18P_Lt_Governor	18.55%	Cozzone	D	0.238606229
18P_Lt_Governor	37.48%	Fetterman	D	0.186877787
18P_Lt_Governor	3.58%	Sosa	D	0.063534945
18P_Lt_Governor	16.62%	Stack	D	0.214618042
20G_AG		Shapiro	D	0.534540951
20G_AG		Heidelbaugh	R	0.465459049
20G_Auditor	46.35%	Ahmad	D	0.505593479
20G_Auditor	49.44%	Defoor	R	0.494406521
20G_President	50.01%	Biden	D	0.524294257
20G_President	48.84%	Trump	R	0.475705743
20G_Treasurer		Torsella	D	0.516642272
20G_Treasurer		Garrity	R	0.483357757
20P_Auditor	36.44%	Ahmad	D	0.335153431
20P_Auditor	7.47%	Conklin	D	0.081020184
20P_Auditor	5.99%	Davis	D	0.193627313
20P_Auditor	9.00%	Fountain	D	0.099046171
20P_Auditor	13.97%	Hartman	D	0.168136582
20P_Auditor	27.14%	Lamb	D	0.123016313
20P_President	79.26%	Biden	D	0.789560676
20P_President	2.70%	Gabbard	D	0.024087915
20P_President	18.04%	Sanders	D	0.186351418

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 8

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.640686989
12G_AG	41.56%	Freed	R	0.359312981
12G_Auditor		Depasquale	D	0.566482723
12G_Auditor		Maher	R	0.433517277
12G_President		Obama	D	0.561985373
12G_President		Romney	R	0.438014627
12G_Treasurer		McCord	D	0.599408805
12G_Treasurer		Vaughan	R	0.400591224
12G_US_Senate	53.69%	Casey	D	0.590734661
12G_US_Senate	44.59%	Smith	R	0.40926531
12P_AG	52.82%	Kane	D	0.77470994
12P_AG	47.18%	Murphy	D	0.22529009
12P_US_Senate	80.88%	Casey	D	0.906785786
12P_US_Senate	19.12%	Vodvarka	D	0.093214199
14G_Governor	54.93%	Wolf	D	0.597626925
14G_Governor	45.07%	Corbett	R	0.402373075
14P_Governor	16.84%	McCord	D	0.209883511
14P_Governor	7.66%	McGinty	D	0.087089799
14P_Governor	17.64%	Schwartz	D	0.062243879
14P_Governor	57.86%	Wolf	D	0.640782833
14P_Lt_Governor	15.88%	Critz	D	0.038974926
14P_Lt_Governor	11.91%	Koplinski	D	0.10716673
14P_Lt_Governor	10.84%	Neuman	D	0.076173924
14P_Lt_Governor	14.57%	Smith	D	0.342353016
14P_Lt_Governor	46.79%	Stack	D	0.435331404
16G_AG	51.39%	Shapiro	D	0.526595652
16G_AG	48.61%	Rafferty	R	0.473404378
16G_Auditor		Depasquale	D	0.547344565
16G_Auditor		Brown	R	0.452655405
16G_President	47.85%	Clinton	D	0.450786173
16G_President	48.58%	Trump	R	0.549213827
16G_Treasurer		Torsella	D	0.55659461
16G_Treasurer		Voit	R	0.44340542
16G_US_Senate	47.34%	McGinty	D	0.497725576
16G_US_Senate	48.77%	Toomey	R	0.502274454
16P_AG	16.22%	Morganelli	D	0.311611831
16P_AG	47.03%	Shapiro	D	0.423896074
16P_AG	36.74%	Zappala	D	0.264492095
16P_President	55.61%	Clinton	D	0.542302787
16P_President	0.86%	DeLaFuente	D	0.01003703
16P_President	43.53%	Sanders	D	0.447660178
16P_US_Senate	19.49%	Fetterman	D	0.084492333
16P_US_Senate	42.50%	McGinty	D	0.500198662
16P_US_Senate	32.57%	Sestak	D	0.382656485
16P_US_Senate	5.45%	Vodvarka	D	0.032652505

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.427845269
17G_Supreme_Court		Mundy	R	0.57215476
18G_Governor	57.77%	Wolf	D	0.567864776
18G_Governor	40.70%	Wagner	R	0.432135224
18G_US_Senator		Casey	D	0.524955511
18G_US_Senator		Barletta	R	0.475044489
18P_Lt_Governor	23.78%	Ahmad	D	0.264376879
18P_Lt_Governor	18.55%	Cozzone	D	0.169175088
18P_Lt_Governor	37.48%	Fetterman	D	0.200963452
18P_Lt_Governor	3.58%	Sosa	D	0.034945432
18P_Lt_Governor	16.62%	Stack	D	0.330539137
20G_AG		Shapiro	D	0.529563725
20G_AG		Heidelbaugh	R	0.470436305
20G_Auditor	46.35%	Ahmad	D	0.482518256
20G_Auditor	49.44%	Defoor	R	0.517481744
20G_President	50.01%	Biden	D	0.477325469
20G_President	48.84%	Trump	R	0.522674501
20G_Treasurer		Torsella	D	0.493292123
20G_Treasurer		Garrity	R	0.506707907
20P_Auditor	36.44%	Ahmad	D	0.2287983
20P_Auditor	7.47%	Conklin	D	0.0761104
20P_Auditor	5.99%	Davis	D	0.304153115
20P_Auditor	9.00%	Fountain	D	0.079476297
20P_Auditor	13.97%	Hartman	D	0.151053041
20P_Auditor	27.14%	Lamb	D	0.160408854
20P_President	79.26%	Biden	D	0.809755445
20P_President	2.70%	Gabbard	D	0.035687018
20P_President	18.04%	Sanders	D	0.154557541

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 9

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.496034592
12G_AG	41.56%	Freed	R	0.503965378
12G_Auditor		Depasquale	D	0.40740937
12G_Auditor		Maher	R	0.59259063
12G_President		Obama	D	0.418848723
12G_President		Romney	R	0.581151247
12G_Treasurer		McCord	D	0.453224897
12G_Treasurer		Vaughan	R	0.546775103
12G_US_Senate	53.69%	Casey	D	0.440969318
12G_US_Senate	44.59%	Smith	R	0.559030652
12P_AG	52.82%	Kane	D	0.662637472
12P_AG	47.18%	Murphy	D	0.337362528
12P_US_Senate	80.88%	Casey	D	0.854552329
12P_US_Senate	19.12%	Vodvarka	D	0.145447657
14G_Governor	54.93%	Wolf	D	0.473518282
14G_Governor	45.07%	Corbett	R	0.526481688
14P_Governor	16.84%	McCord	D	0.178269655
14P_Governor	7.66%	McGinty	D	0.086172082
14P_Governor	17.64%	Schwartz	D	0.085693784
14P_Governor	57.86%	Wolf	D	0.649864495
14P_Lt_Governor	15.88%	Critz	D	0.061572324
14P_Lt_Governor	11.91%	Koplinski	D	0.236622155
14P_Lt_Governor	10.84%	Neuman	D	0.054611977
14P_Lt_Governor	14.57%	Smith	D	0.266724169
14P_Lt_Governor	46.79%	Stack	D	0.380469382
16G_AG	51.39%	Shapiro	D	0.382830352
16G_AG	48.61%	Rafferty	R	0.617169678
16G_Auditor		Depasquale	D	0.385209769
16G_Auditor		Brown	R	0.614790201
16G_President	47.85%	Clinton	D	0.322409511
16G_President	48.58%	Trump	R	0.677590489
16G_Treasurer		Torsella	D	0.411011785
16G_Treasurer		Voit	R	0.588988245
16G_US_Senate	47.34%	McGinty	D	0.357089281
16G_US_Senate	48.77%	Toomey	R	0.642910719
16P_AG	16.22%	Morganelli	D	0.357203692
16P_AG	47.03%	Shapiro	D	0.442709476
16P_AG	36.74%	Zappala	D	0.200086847
16P_President	55.61%	Clinton	D	0.477451056
16P_President	0.86%	DeLaFuente	D	0.012729366
16P_President	43.53%	Sanders	D	0.509819567
16P_US_Senate	19.49%	Fetterman	D	0.12133991
16P_US_Senate	42.50%	McGinty	D	0.465923697
16P_US_Senate	32.57%	Sestak	D	0.378778994
16P_US_Senate	5.45%	Vodvarka	D	0.033957418

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.322322041
17G_Supreme_Court		Mundy	R	0.677677929
18G_Governor	57.77%	Wolf	D	0.446320921
18G_Governor	40.70%	Wagner	R	0.553679109
18G_US_Senator		Casey	D	0.402269632
18G_US_Senator		Barletta	R	0.597730398
18P_Lt_Governor	23.78%	Ahmad	D	0.238792449
18P_Lt_Governor	18.55%	Cozzone	D	0.22512956
18P_Lt_Governor	37.48%	Fetterman	D	0.258181423
18P_Lt_Governor	3.58%	Sosa	D	0.045627516
18P_Lt_Governor	16.62%	Stack	D	0.232269049
20G_AG		Shapiro	D	0.378695995
20G_AG		Heidelbaugh	R	0.621304035
20G_Auditor	46.35%	Ahmad	D	0.333255172
20G_Auditor	49.44%	Defoor	R	0.666744828
20G_President	50.01%	Biden	D	0.345127404
20G_President	48.84%	Trump	R	0.654872596
20G_Treasurer		Torsella	D	0.350922197
20G_Treasurer		Garrity	R	0.649077833
20P_Auditor	36.44%	Ahmad	D	0.209040835
20P_Auditor	7.47%	Conklin	D	0.10632135
20P_Auditor	5.99%	Davis	D	0.096163742
20P_Auditor	9.00%	Fountain	D	0.151716128
20P_Auditor	13.97%	Hartman	D	0.312141478
20P_Auditor	27.14%	Lamb	D	0.124616466
20P_President	79.26%	Biden	D	0.77123481
20P_President	2.70%	Gabbard	D	0.046359085
20P_President	18.04%	Sanders	D	0.182406083

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 10

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.494405359
12G_AG	41.56%	Freed	R	0.505594611
12G_Auditor		Depasquale	D	0.458666265
12G_Auditor		Maher	R	0.541333735
12G_President		Obama	D	0.466396242
12G_President		Romney	R	0.533603728
12G_Treasurer		McCord	D	0.481059015
12G_Treasurer		Vaughan	R	0.518940985
12G_US_Senate	53.69%	Casey	D	0.4856489
12G_US_Senate	44.59%	Smith	R	0.51435107
12P_AG	52.82%	Kane	D	0.640564203
12P_AG	47.18%	Murphy	D	0.359435767
12P_US_Senate	80.88%	Casey	D	0.858144939
12P_US_Senate	19.12%	Vodvarka	D	0.141855046
14G_Governor	54.93%	Wolf	D	0.47192052
14G_Governor	45.07%	Corbett	R	0.52807951
14P_Governor	16.84%	McCord	D	0.084161296
14P_Governor	7.66%	McGinty	D	0.072820239
14P_Governor	17.64%	Schwartz	D	0.064241752
14P_Governor	57.86%	Wolf	D	0.778776705
14P_Lt_Governor	15.88%	Critz	D	0.047749564
14P_Lt_Governor	11.91%	Koplinski	D	0.504796445
14P_Lt_Governor	10.84%	Neuman	D	0.051189035
14P_Lt_Governor	14.57%	Smith	D	0.076393925
14P_Lt_Governor	46.79%	Stack	D	0.319871008
16G_AG	51.39%	Shapiro	D	0.444744289
16G_AG	48.61%	Rafferty	R	0.555255711
16G_Auditor		Depasquale	D	0.506682277
16G_Auditor		Brown	R	0.493317723
16G_President	47.85%	Clinton	D	0.453323215
16G_President	48.58%	Trump	R	0.546676755
16G_Treasurer		Torsella	D	0.461823404
16G_Treasurer		Voit	R	0.538176596
16G_US_Senate	47.34%	McGinty	D	0.438348889
16G_US_Senate	48.77%	Toomey	R	0.561651111
16P_AG	16.22%	Morganelli	D	0.179142356
16P_AG	47.03%	Shapiro	D	0.573339105
16P_AG	36.74%	Zappala	D	0.247518539
16P_President	55.61%	Clinton	D	0.544829071
16P_President	0.86%	DeLaFuente	D	0.007515613
16P_President	43.53%	Sanders	D	0.44765535
16P_US_Senate	19.49%	Fetterman	D	0.151813149
16P_US_Senate	42.50%	McGinty	D	0.518355906
16P_US_Senate	32.57%	Sestak	D	0.29662621
16P_US_Senate	5.45%	Vodvarka	D	0.033204742

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.374973267
17G_Supreme_Court		Mundy	R	0.625026762
18G_Governor	57.77%	Wolf	D	0.553496778
18G_Governor	40.70%	Wagner	R	0.446503252
18G_US_Senator		Casey	D	0.508428097
18G_US_Senator		Barletta	R	0.491571903
18P_Lt_Governor	23.78%	Ahmad	D	0.36986047
18P_Lt_Governor	18.55%	Cozzone	D	0.169786349
18P_Lt_Governor	37.48%	Fetterman	D	0.342829168
18P_Lt_Governor	3.58%	Sosa	D	0.028593365
18P_Lt_Governor	16.62%	Stack	D	0.088930659
20G_AG		Shapiro	D	0.488659769
20G_AG		Heidelbaugh	R	0.511340201
20G_Auditor	46.35%	Ahmad	D	0.442788512
20G_Auditor	49.44%	Defoor	R	0.557211518
20G_President	50.01%	Biden	D	0.484922945
20G_President	48.84%	Trump	R	0.515077055
20G_Treasurer		Torsella	D	0.459478408
20G_Treasurer		Garrity	R	0.540521562
20P_Auditor	36.44%	Ahmad	D	0.173317641
20P_Auditor	7.47%	Conklin	D	0.082649924
20P_Auditor	5.99%	Davis	D	0.035367209
20P_Auditor	9.00%	Fountain	D	0.439578831
20P_Auditor	13.97%	Hartman	D	0.177241519
20P_Auditor	27.14%	Lamb	D	0.091844879
20P_President	79.26%	Biden	D	0.798568189
20P_President	2.70%	Gabbard	D	0.024101984
20P_President	18.04%	Sanders	D	0.177329823

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 11

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.433316022
12G_AG	41.56%	Freed	R	0.566684008
12G_Auditor		Depasquale	D	0.364708871
12G_Auditor		Maher	R	0.6352911
12G_President		Obama	D	0.385822237
12G_President		Romney	R	0.614177763
12G_Treasurer		McCord	D	0.381708652
12G_Treasurer		Vaughan	R	0.618291318
12G_US_Senate	53.69%	Casey	D	0.395427406
12G_US_Senate	44.59%	Smith	R	0.604572594
12P_AG	52.82%	Kane	D	0.583554387
12P_AG	47.18%	Murphy	D	0.416445613
12P_US_Senate	80.88%	Casey	D	0.847024977
12P_US_Senate	19.12%	Vodvarka	D	0.152975023
14G_Governor	54.93%	Wolf	D	0.399801016
14G_Governor	45.07%	Corbett	R	0.600198984
14P_Governor	16.84%	McCord	D	0.090551026
14P_Governor	7.66%	McGinty	D	0.070936941
14P_Governor	17.64%	Schwartz	D	0.084662817
14P_Governor	57.86%	Wolf	D	0.753849208
14P_Lt_Governor	15.88%	Critz	D	0.059040923
14P_Lt_Governor	11.91%	Koplinski	D	0.324499726
14P_Lt_Governor	10.84%	Neuman	D	0.051874887
14P_Lt_Governor	14.57%	Smith	D	0.13696593
14P_Lt_Governor	46.79%	Stack	D	0.427618533
16G_AG	51.39%	Shapiro	D	0.361812264
16G_AG	48.61%	Rafferty	R	0.638187766
16G_Auditor		Depasquale	D	0.385247886
16G_Auditor		Brown	R	0.614752114
16G_President	47.85%	Clinton	D	0.364027858
16G_President	48.58%	Trump	R	0.635972142
16G_Treasurer		Torsella	D	0.367610425
16G_Treasurer		Voit	R	0.632389545
16G_US_Senate	47.34%	McGinty	D	0.360356212
16G_US_Senate	48.77%	Toomey	R	0.639643788
16P_AG	16.22%	Morganelli	D	0.180439219
16P_AG	47.03%	Shapiro	D	0.592133224
16P_AG	36.74%	Zappala	D	0.227427557
16P_President	55.61%	Clinton	D	0.478135526
16P_President	0.86%	DeLaFuente	D	0.007135007
16P_President	43.53%	Sanders	D	0.51472944
16P_US_Senate	19.49%	Fetterman	D	0.164826319
16P_US_Senate	42.50%	McGinty	D	0.532957792
16P_US_Senate	32.57%	Sestak	D	0.292409033
16P_US_Senate	5.45%	Vodvarka	D	0.009806857

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.322673947
17G_Supreme_Court		Mundy	R	0.677326024
18G_Governor	57.77%	Wolf	D	0.456498444
18G_Governor	40.70%	Wagner	R	0.543501556
18G_US_Senator		Casey	D	0.429788053
18G_US_Senator		Barletta	R	0.570211947
18P_Lt_Governor	23.78%	Ahmad	D	0.37355724
18P_Lt_Governor	18.55%	Cozzone	D	0.228282571
18P_Lt_Governor	37.48%	Fetterman	D	0.292284995
18P_Lt_Governor	3.58%	Sosa	D	0.026512193
18P_Lt_Governor	16.62%	Stack	D	0.079363011
20G_AG		Shapiro	D	0.380366981
20G_AG		Heidelbaugh	R	0.619633019
20G_Auditor	46.35%	Ahmad	D	0.355924338
20G_Auditor	49.44%	Defoor	R	0.644075692
20G_President	50.01%	Biden	D	0.389249653
20G_President	48.84%	Trump	R	0.610750377
20G_Treasurer		Torsella	D	0.356805652
20G_Treasurer		Garrity	R	0.643194318
20P_Auditor	36.44%	Ahmad	D	0.134172022
20P_Auditor	7.47%	Conklin	D	0.039791621
20P_Auditor	5.99%	Davis	D	0.026287593
20P_Auditor	9.00%	Fountain	D	0.077828273
20P_Auditor	13.97%	Hartman	D	0.677953899
20P_Auditor	27.14%	Lamb	D	0.043966599
20P_President	79.26%	Biden	D	0.762276113
20P_President	2.70%	Gabbard	D	0.026375649
20P_President	18.04%	Sanders	D	0.211348206

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 12

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.445610732
12G_AG	41.56%	Freed	R	0.554389298
12G_Auditor		Depasquale	D	0.35580644
12G_Auditor		Maher	R	0.64419353
12G_President		Obama	D	0.37458235
12G_President		Romney	R	0.62541765
12G_Treasurer		McCord	D	0.384969503
12G_Treasurer		Vaughan	R	0.615030468
12G_US_Senate	53.69%	Casey	D	0.388619691
12G_US_Senate	44.59%	Smith	R	0.611380279
12P_AG	52.82%	Kane	D	0.66651082
12P_AG	47.18%	Murphy	D	0.333489209
12P_US_Senate	80.88%	Casey	D	0.86357969
12P_US_Senate	19.12%	Vodvarka	D	0.13642031
14G_Governor	54.93%	Wolf	D	0.406762689
14G_Governor	45.07%	Corbett	R	0.59323734
14P_Governor	16.84%	McCord	D	0.167391971
14P_Governor	7.66%	McGinty	D	0.121543363
14P_Governor	17.64%	Schwartz	D	0.093307748
14P_Governor	57.86%	Wolf	D	0.617756903
14P_Lt_Governor	15.88%	Critz	D	0.107989661
14P_Lt_Governor	11.91%	Koplinski	D	0.19193168
14P_Lt_Governor	10.84%	Neuman	D	0.050717309
14P_Lt_Governor	14.57%	Smith	D	0.391317368
14P_Lt_Governor	46.79%	Stack	D	0.258043975
16G_AG	51.39%	Shapiro	D	0.345610917
16G_AG	48.61%	Rafferty	R	0.654389083
16G_Auditor		Depasquale	D	0.348322153
16G_Auditor		Brown	R	0.651677847
16G_President	47.85%	Clinton	D	0.310581654
16G_President	48.58%	Trump	R	0.689418375
16G_Treasurer		Torsella	D	0.361882001
16G_Treasurer		Voit	R	0.638117969
16G_US_Senate	47.34%	McGinty	D	0.330860049
16G_US_Senate	48.77%	Toomey	R	0.669139981
16P_AG	16.22%	Morganelli	D	0.252795458
16P_AG	47.03%	Shapiro	D	0.531219363
16P_AG	36.74%	Zappala	D	0.215985149
16P_President	55.61%	Clinton	D	0.46233809
16P_President	0.86%	DeLaFuente	D	0.011914688
16P_President	43.53%	Sanders	D	0.52574724
16P_US_Senate	19.49%	Fetterman	D	0.155488387
16P_US_Senate	42.50%	McGinty	D	0.480609089
16P_US_Senate	32.57%	Sestak	D	0.327021778
16P_US_Senate	5.45%	Vodvarka	D	0.036880728

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.29181242
17G_Supreme_Court		Mundy	R	0.70818758
18G_Governor	57.77%	Wolf	D	0.401989996
18G_Governor	40.70%	Wagner	R	0.598010004
18G_US_Senator		Casey	D	0.385384828
18G_US_Senator		Barletta	R	0.614615202
18P_Lt_Governor	23.78%	Ahmad	D	0.26132378
18P_Lt_Governor	18.55%	Cozzone	D	0.201561078
18P_Lt_Governor	37.48%	Fetterman	D	0.321953714
18P_Lt_Governor	3.58%	Sosa	D	0.037529074
18P_Lt_Governor	16.62%	Stack	D	0.177632362
20G_AG		Shapiro	D	0.332813084
20G_AG		Heidelbaugh	R	0.667186916
20G_Auditor	46.35%	Ahmad	D	0.294697404
20G_Auditor	49.44%	Defoor	R	0.705302596
20G_President	50.01%	Biden	D	0.316965938
20G_President	48.84%	Trump	R	0.683034062
20G_Treasurer		Torsella	D	0.299919188
20G_Treasurer		Garrity	R	0.700080812
20P_Auditor	36.44%	Ahmad	D	0.167940482
20P_Auditor	7.47%	Conklin	D	0.408522159
20P_Auditor	5.99%	Davis	D	0.068673208
20P_Auditor	9.00%	Fountain	D	0.119828656
20P_Auditor	13.97%	Hartman	D	0.125014096
20P_Auditor	27.14%	Lamb	D	0.11002142
20P_President	79.26%	Biden	D	0.755604923
20P_President	2.70%	Gabbard	D	0.039317068
20P_President	18.04%	Sanders	D	0.205077991

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 13

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.424162358
12G_AG	41.56%	Freed	R	0.575837672
12G_Auditor		Depasquale	D	0.330121368
12G_Auditor		Maher	R	0.669878602
12G_President		Obama	D	0.32507816
12G_President		Romney	R	0.674921811
12G_Treasurer		McCord	D	0.363803416
12G_Treasurer		Vaughan	R	0.636196613
12G_US_Senate	53.69%	Casey	D	0.357233852
12G_US_Senate	44.59%	Smith	R	0.642766118
12P_AG	52.82%	Kane	D	0.639085114
12P_AG	47.18%	Murphy	D	0.360914916
12P_US_Senate	80.88%	Casey	D	0.803349674
12P_US_Senate	19.12%	Vodvarka	D	0.196650311
14G_Governor	54.93%	Wolf	D	0.397570908
14G_Governor	45.07%	Corbett	R	0.602429092
14P_Governor	16.84%	McCord	D	0.184809744
14P_Governor	7.66%	McGinty	D	0.110289194
14P_Governor	17.64%	Schwartz	D	0.059421614
14P_Governor	57.86%	Wolf	D	0.645479441
14P_Lt_Governor	15.88%	Critz	D	0.565342426
14P_Lt_Governor	11.91%	Koplinski	D	0.13209115
14P_Lt_Governor	10.84%	Neuman	D	0.056633323
14P_Lt_Governor	14.57%	Smith	D	0.103518806
14P_Lt_Governor	46.79%	Stack	D	0.142414272
16G_AG	51.39%	Shapiro	D	0.314928383
16G_AG	48.61%	Rafferty	R	0.685071588
16G_Auditor		Depasquale	D	0.331923544
16G_Auditor		Brown	R	0.668076456
16G_President	47.85%	Clinton	D	0.263440132
16G_President	48.58%	Trump	R	0.736559868
16G_Treasurer		Torsella	D	0.331359893
16G_Treasurer		Voit	R	0.668640137
16G_US_Senate	47.34%	McGinty	D	0.28916958
16G_US_Senate	48.77%	Toomey	R	0.71083039
16P_AG	16.22%	Morganelli	D	0.210799381
16P_AG	47.03%	Shapiro	D	0.427883387
16P_AG	36.74%	Zappala	D	0.361317217
16P_President	55.61%	Clinton	D	0.488349676
16P_President	0.86%	DeLaFuente	D	0.016132694
16P_President	43.53%	Sanders	D	0.495517641
16P_US_Senate	19.49%	Fetterman	D	0.177257657
16P_US_Senate	42.50%	McGinty	D	0.469158798
16P_US_Senate	32.57%	Sestak	D	0.304815322
16P_US_Senate	5.45%	Vodvarka	D	0.048768215

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.289362609
17G_Supreme_Court		Mundy	R	0.710637391
18G_Governor	57.77%	Wolf	D	0.357535392
18G_Governor	40.70%	Wagner	R	0.642464638
18G_US_Senator		Casey	D	0.347946823
18G_US_Senator		Barletta	R	0.652053177
18P_Lt_Governor	23.78%	Ahmad	D	0.187063083
18P_Lt_Governor	18.55%	Cozzone	D	0.233681455
18P_Lt_Governor	37.48%	Fetterman	D	0.470142335
18P_Lt_Governor	3.58%	Sosa	D	0.036048178
18P_Lt_Governor	16.62%	Stack	D	0.073064938
20G_AG		Shapiro	D	0.290267318
20G_AG		Heidelbaugh	R	0.709732652
20G_Auditor	46.35%	Ahmad	D	0.253838569
20G_Auditor	49.44%	Defoor	R	0.746161401
20G_President	50.01%	Biden	D	0.275188982
20G_President	48.84%	Trump	R	0.724811018
20G_Treasurer		Torsella	D	0.270272881
20G_Treasurer		Garrity	R	0.729727089
20P_Auditor	36.44%	Ahmad	D	0.127736151
20P_Auditor	7.47%	Conklin	D	0.319668591
20P_Auditor	5.99%	Davis	D	0.043008804
20P_Auditor	9.00%	Fountain	D	0.134617567
20P_Auditor	13.97%	Hartman	D	0.144690678
20P_Auditor	27.14%	Lamb	D	0.230278194
20P_President	79.26%	Biden	D	0.773682654
20P_President	2.70%	Gabbard	D	0.045951266
20P_President	18.04%	Sanders	D	0.180366069

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 14

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.52337271
12G_AG	41.56%	Freed	R	0.47662732
12G_Auditor		Depasquale	D	0.456843048
12G_Auditor		Maher	R	0.543156922
12G_President		Obama	D	0.410504788
12G_President		Romney	R	0.589495242
12G_Treasurer		McCord	D	0.46958524
12G_Treasurer		Vaughan	R	0.53041476
12G_US_Senate	53.69%	Casey	D	0.457260966
12G_US_Senate	44.59%	Smith	R	0.542739034
12P_AG	52.82%	Kane	D	0.578043103
12P_AG	47.18%	Murphy	D	0.421956897
12P_US_Senate	80.88%	Casey	D	0.736698329
12P_US_Senate	19.12%	Vodvarka	D	0.263301671
14G_Governor	54.93%	Wolf	D	0.475248903
14G_Governor	45.07%	Corbett	R	0.524751067
14P_Governor	16.84%	McCord	D	0.18604441
14P_Governor	7.66%	McGinty	D	0.106417328
14P_Governor	17.64%	Schwartz	D	0.071918309
14P_Governor	57.86%	Wolf	D	0.635619938
14P_Lt_Governor	15.88%	Critz	D	0.348782986
14P_Lt_Governor	11.91%	Koplinski	D	0.02917425
14P_Lt_Governor	10.84%	Neuman	D	0.364137858
14P_Lt_Governor	14.57%	Smith	D	0.061097208
14P_Lt_Governor	46.79%	Stack	D	0.196807697
16G_AG	51.39%	Shapiro	D	0.426783651
16G_AG	48.61%	Rafferty	R	0.573216319
16G_Auditor		Depasquale	D	0.477318287
16G_Auditor		Brown	R	0.522681713
16G_President	47.85%	Clinton	D	0.350110888
16G_President	48.58%	Trump	R	0.649889112
16G_Treasurer		Torsella	D	0.46463424
16G_Treasurer		Voit	R	0.53536576
16G_US_Senate	47.34%	McGinty	D	0.388465881
16G_US_Senate	48.77%	Toomey	R	0.611534119
16P_AG	16.22%	Morganelli	D	0.068481356
16P_AG	47.03%	Shapiro	D	0.213203967
16P_AG	36.74%	Zappala	D	0.718314707
16P_President	55.61%	Clinton	D	0.55848527
16P_President	0.86%	DeLaFuente	D	0.017686542
16P_President	43.53%	Sanders	D	0.423828155
16P_US_Senate	19.49%	Fetterman	D	0.314551353
16P_US_Senate	42.50%	McGinty	D	0.418883383
16P_US_Senate	32.57%	Sestak	D	0.229100436
16P_US_Senate	5.45%	Vodvarka	D	0.037464835

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.429518729
17G_Supreme_Court		Mundy	R	0.5704813
18G_Governor	57.77%	Wolf	D	0.485175163
18G_Governor	40.70%	Wagner	R	0.514824867
18G_US_Senator		Casey	D	0.468038887
18G_US_Senator		Barletta	R	0.531961143
18P_Lt_Governor	23.78%	Ahmad	D	0.105205819
18P_Lt_Governor	18.55%	Cozzone	D	0.121801406
18P_Lt_Governor	37.48%	Fetterman	D	0.712057292
18P_Lt_Governor	3.58%	Sosa	D	0.017939921
18P_Lt_Governor	16.62%	Stack	D	0.04299555
20G_AG		Shapiro	D	0.425914109
20G_AG		Heidelbaugh	R	0.574085891
20G_Auditor	46.35%	Ahmad	D	0.361090869
20G_Auditor	49.44%	Defoor	R	0.638909101
20G_President	50.01%	Biden	D	0.360921621
20G_President	48.84%	Trump	R	0.639078379
20G_Treasurer		Torsella	D	0.377147347
20G_Treasurer		Garrity	R	0.622852683
20P_Auditor	36.44%	Ahmad	D	0.096934296
20P_Auditor	7.47%	Conklin	D	0.033983316
20P_Auditor	5.99%	Davis	D	0.021856707
20P_Auditor	9.00%	Fountain	D	0.030670106
20P_Auditor	13.97%	Hartman	D	0.05569597
20P_Auditor	27.14%	Lamb	D	0.760859609
20P_President	79.26%	Biden	D	0.793709993
20P_President	2.70%	Gabbard	D	0.054205634
20P_President	18.04%	Sanders	D	0.152084365

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 15

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.479153812
12G_AG	41.56%	Freed	R	0.520846188
12G_Auditor		Depasquale	D	0.38297987
12G_Auditor		Maher	R	0.61702013
12G_President		Obama	D	0.364091456
12G_President		Romney	R	0.635908544
12G_Treasurer		McCord	D	0.423159271
12G_Treasurer		Vaughan	R	0.576840758
12G_US_Senate	53.69%	Casey	D	0.38348788
12G_US_Senate	44.59%	Smith	R	0.61651212
12P_AG	52.82%	Kane	D	0.61436367
12P_AG	47.18%	Murphy	D	0.385636359
12P_US_Senate	80.88%	Casey	D	0.784351766
12P_US_Senate	19.12%	Vodvarka	D	0.215648219
14G_Governor	54.93%	Wolf	D	0.449542731
14G_Governor	45.07%	Corbett	R	0.550457299
14P_Governor	16.84%	McCord	D	0.224952176
14P_Governor	7.66%	McGinty	D	0.103197277
14P_Governor	17.64%	Schwartz	D	0.068143986
14P_Governor	57.86%	Wolf	D	0.603706539
14P_Lt_Governor	15.88%	Critz	D	0.556123793
14P_Lt_Governor	11.91%	Koplinski	D	0.071206063
14P_Lt_Governor	10.84%	Neuman	D	0.066974714
14P_Lt_Governor	14.57%	Smith	D	0.174030423
14P_Lt_Governor	46.79%	Stack	D	0.131665021
16G_AG	51.39%	Shapiro	D	0.354605824
16G_AG	48.61%	Rafferty	R	0.645394206
16G_Auditor		Depasquale	D	0.377446026
16G_Auditor		Brown	R	0.622554004
16G_President	47.85%	Clinton	D	0.27550903
16G_President	48.58%	Trump	R	0.724490941
16G_Treasurer		Torsella	D	0.387462616
16G_Treasurer		Voit	R	0.612537384
16G_US_Senate	47.34%	McGinty	D	0.31826064
16G_US_Senate	48.77%	Toomey	R	0.68173939
16P_AG	16.22%	Morganelli	D	0.182267338
16P_AG	47.03%	Shapiro	D	0.357346624
16P_AG	36.74%	Zappala	D	0.460386008
16P_President	55.61%	Clinton	D	0.474316001
16P_President	0.86%	DeLaFuente	D	0.021919975
16P_President	43.53%	Sanders	D	0.503764033
16P_US_Senate	19.49%	Fetterman	D	0.22818771
16P_US_Senate	42.50%	McGinty	D	0.435111225
16P_US_Senate	32.57%	Sestak	D	0.272187889
16P_US_Senate	5.45%	Vodvarka	D	0.064513162

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.328061968
17G_Supreme_Court		Mundy	R	0.671938062
18G_Governor	57.77%	Wolf	D	0.388269246
18G_Governor	40.70%	Wagner	R	0.611730754
18G_US_Senator		Casey	D	0.387497753
18G_US_Senator		Barletta	R	0.612502217
18P_Lt_Governor	23.78%	Ahmad	D	0.097595267
18P_Lt_Governor	18.55%	Cozzone	D	0.225474998
18P_Lt_Governor	37.48%	Fetterman	D	0.582146585
18P_Lt_Governor	3.58%	Sosa	D	0.035115551
18P_Lt_Governor	16.62%	Stack	D	0.059667591
20G_AG		Shapiro	D	0.321399152
20G_AG		Heidelbaugh	R	0.678600848
20G_Auditor	46.35%	Ahmad	D	0.267126918
20G_Auditor	49.44%	Defoor	R	0.732873082
20G_President	50.01%	Biden	D	0.27869907
20G_President	48.84%	Trump	R	0.7213009
20G_Treasurer		Torsella	D	0.290590078
20G_Treasurer		Garrity	R	0.709409952
20P_Auditor	36.44%	Ahmad	D	0.078615278
20P_Auditor	7.47%	Conklin	D	0.390745789
20P_Auditor	5.99%	Davis	D	0.036797028
20P_Auditor	9.00%	Fountain	D	0.046384722
20P_Auditor	13.97%	Hartman	D	0.071793996
20P_Auditor	27.14%	Lamb	D	0.375663191
20P_President	79.26%	Biden	D	0.757709444
20P_President	2.70%	Gabbard	D	0.062958658
20P_President	18.04%	Sanders	D	0.179331914

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 16

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.516154945
12G_AG	41.56%	Freed	R	0.483845055
12G_Auditor		Depasquale	D	0.457585454
12G_Auditor		Maher	R	0.542414546
12G_President		Obama	D	0.475489944
12G_President		Romney	R	0.524510026
12G_Treasurer		McCord	D	0.498515218
12G_Treasurer		Vaughan	R	0.501484752
12G_US_Senate	53.69%	Casey	D	0.482398629
12G_US_Senate	44.59%	Smith	R	0.517601371
12P_AG	52.82%	Kane	D	0.688867748
12P_AG	47.18%	Murphy	D	0.311132222
12P_US_Senate	80.88%	Casey	D	0.776779771
12P_US_Senate	19.12%	Vodvarka	D	0.223220214
14G_Governor	54.93%	Wolf	D	0.492670774
14G_Governor	45.07%	Corbett	R	0.507329226
14P_Governor	16.84%	McCord	D	0.260184675
14P_Governor	7.66%	McGinty	D	0.087822825
14P_Governor	17.64%	Schwartz	D	0.071922377
14P_Governor	57.86%	Wolf	D	0.580070138
14P_Lt_Governor	15.88%	Critz	D	0.165151387
14P_Lt_Governor	11.91%	Koplinski	D	0.10123679
14P_Lt_Governor	10.84%	Neuman	D	0.22330521
14P_Lt_Governor	14.57%	Smith	D	0.302372575
14P_Lt_Governor	46.79%	Stack	D	0.207934037
16G_AG	51.39%	Shapiro	D	0.428400636
16G_AG	48.61%	Rafferty	R	0.571599364
16G_Auditor		Depasquale	D	0.445003867
16G_Auditor		Brown	R	0.554996133
16G_President	47.85%	Clinton	D	0.395693034
16G_President	48.58%	Trump	R	0.604306996
16G_Treasurer		Torsella	D	0.464588881
16G_Treasurer		Voit	R	0.535411119
16G_US_Senate	47.34%	McGinty	D	0.402348727
16G_US_Senate	48.77%	Toomey	R	0.597651243
16P_AG	16.22%	Morganelli	D	0.174963892
16P_AG	47.03%	Shapiro	D	0.376713276
16P_AG	36.74%	Zappala	D	0.448322833
16P_President	55.61%	Clinton	D	0.534038424
16P_President	0.86%	DeLaFuente	D	0.011799815
16P_President	43.53%	Sanders	D	0.454161763
16P_US_Senate	19.49%	Fetterman	D	0.239450887
16P_US_Senate	42.50%	McGinty	D	0.373196363
16P_US_Senate	32.57%	Sestak	D	0.316064268
16P_US_Senate	5.45%	Vodvarka	D	0.071288489

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.404197782
17G_Supreme_Court		Mundy	R	0.595802188
18G_Governor	57.77%	Wolf	D	0.503395438
18G_Governor	40.70%	Wagner	R	0.496604562
18G_US_Senator		Casey	D	0.489137083
18G_US_Senator		Barletta	R	0.510862887
18P_Lt_Governor	23.78%	Ahmad	D	0.100292645
18P_Lt_Governor	18.55%	Cozzone	D	0.19749473
18P_Lt_Governor	37.48%	Fetterman	D	0.624866664
18P_Lt_Governor	3.58%	Sosa	D	0.0252441
18P_Lt_Governor	16.62%	Stack	D	0.052101851
20G_AG		Shapiro	D	0.44062838
20G_AG		Heidelbaugh	R	0.559371591
20G_Auditor	46.35%	Ahmad	D	0.388520658
20G_Auditor	49.44%	Defoor	R	0.611479342
20G_President	50.01%	Biden	D	0.406166762
20G_President	48.84%	Trump	R	0.593833268
20G_Treasurer		Torsella	D	0.405396491
20G_Treasurer		Garrity	R	0.594603539
20P_Auditor	36.44%	Ahmad	D	0.128044352
20P_Auditor	7.47%	Conklin	D	0.079198644
20P_Auditor	5.99%	Davis	D	0.051776756
20P_Auditor	9.00%	Fountain	D	0.065510362
20P_Auditor	13.97%	Hartman	D	0.100743338
20P_Auditor	27.14%	Lamb	D	0.574726522
20P_President	79.26%	Biden	D	0.793997884
20P_President	2.70%	Gabbard	D	0.035146527
20P_President	18.04%	Sanders	D	0.170855567

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 17

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.546177983
12G_AG	41.56%	Freed	R	0.453822047
12G_Auditor		Depasquale	D	0.492905438
12G_Auditor		Maher	R	0.507094562
12G_President		Obama	D	0.477002412
12G_President		Romney	R	0.522997558
12G_Treasurer		McCord	D	0.519048929
12G_Treasurer		Vaughan	R	0.480951071
12G_US_Senate	53.69%	Casey	D	0.514562368
12G_US_Senate	44.59%	Smith	R	0.485437602
12P_AG	52.82%	Kane	D	0.53949523
12P_AG	47.18%	Murphy	D	0.46050477
12P_US_Senate	80.88%	Casey	D	0.716690183
12P_US_Senate	19.12%	Vodvarka	D	0.283309817
14G_Governor	54.93%	Wolf	D	0.500391185
14G_Governor	45.07%	Corbett	R	0.499608815
14P_Governor	16.84%	McCord	D	0.16762124
14P_Governor	7.66%	McGinty	D	0.109056436
14P_Governor	17.64%	Schwartz	D	0.109936081
14P_Governor	57.86%	Wolf	D	0.613386214
14P_Lt_Governor	15.88%	Critz	D	0.347920597
14P_Lt_Governor	11.91%	Koplinski	D	0.046144202
14P_Lt_Governor	10.84%	Neuman	D	0.215945661
14P_Lt_Governor	14.57%	Smith	D	0.083093002
14P_Lt_Governor	46.79%	Stack	D	0.306896538
16G_AG	51.39%	Shapiro	D	0.502984285
16G_AG	48.61%	Rafferty	R	0.497015715
16G_Auditor		Depasquale	D	0.564558268
16G_Auditor		Brown	R	0.435441732
16G_President	47.85%	Clinton	D	0.486780822
16G_President	48.58%	Trump	R	0.513219178
16G_Treasurer		Torsella	D	0.542384982
16G_Treasurer		Voit	R	0.457615018
16G_US_Senate	47.34%	McGinty	D	0.479654908
16G_US_Senate	48.77%	Toomey	R	0.520345092
16P_AG	16.22%	Morganelli	D	0.04788883
16P_AG	47.03%	Shapiro	D	0.199414417
16P_AG	36.74%	Zappala	D	0.752696753
16P_President	55.61%	Clinton	D	0.557884812
16P_President	0.86%	DeLaFuente	D	0.010351633
16P_President	43.53%	Sanders	D	0.43176356
16P_US_Senate	19.49%	Fetterman	D	0.35940662
16P_US_Senate	42.50%	McGinty	D	0.37245822
16P_US_Senate	32.57%	Sestak	D	0.203540146
16P_US_Senate	5.45%	Vodvarka	D	0.064595014

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.538310826
17G_Supreme_Court		Mundy	R	0.461689204
18G_Governor	57.77%	Wolf	D	0.603155673
18G_Governor	40.70%	Wagner	R	0.396844327
18G_US_Senator		Casey	D	0.58527422
18G_US_Senator		Barletta	R	0.41472581
18P_Lt_Governor	23.78%	Ahmad	D	0.119640015
18P_Lt_Governor	18.55%	Cozzone	D	0.083536148
18P_Lt_Governor	37.48%	Fetterman	D	0.759004056
18P_Lt_Governor	3.58%	Sosa	D	0.011205855
18P_Lt_Governor	16.62%	Stack	D	0.026613906
20G_AG		Shapiro	D	0.558150172
20G_AG		Heidelbaugh	R	0.441849798
20G_Auditor	46.35%	Ahmad	D	0.495755136
20G_Auditor	49.44%	Defoor	R	0.504244864
20G_President	50.01%	Biden	D	0.514224648
20G_President	48.84%	Trump	R	0.485775381
20G_Treasurer		Torsella	D	0.506729662
20G_Treasurer		Garrity	R	0.493270338
20P_Auditor	36.44%	Ahmad	D	0.108062416
20P_Auditor	7.47%	Conklin	D	0.015489331
20P_Auditor	5.99%	Davis	D	0.016870093
20P_Auditor	9.00%	Fountain	D	0.038776431
20P_Auditor	13.97%	Hartman	D	0.032846231
20P_Auditor	27.14%	Lamb	D	0.787955523
20P_President	79.26%	Biden	D	0.78921479
20P_President	2.70%	Gabbard	D	0.036303632
20P_President	18.04%	Sanders	D	0.174481601

Reconstituted Election Results for the Enacted 2018 Congressional Map

District 18

contestname	StatewideResult	LastName	PartyID	Recon Election
12G_AG	56.14%	Kane	D	0.694605172
12G_AG	41.56%	Freed	R	0.305394858
12G_Auditor		Depasquale	D	0.656349778
12G_Auditor		Maher	R	0.343650192
12G_President		Obama	D	0.643075347
12G_President		Romney	R	0.356924653
12G_Treasurer		McCord	D	0.680631399
12G_Treasurer		Vaughan	R	0.319368631
12G_US_Senate	53.69%	Casey	D	0.671977282
12G_US_Senate	44.59%	Smith	R	0.328022718
12P_AG	52.82%	Kane	D	0.518737018
12P_AG	47.18%	Murphy	D	0.481263012
12P_US_Senate	80.88%	Casey	D	0.721915781
12P_US_Senate	19.12%	Vodvarka	D	0.278084219
14G_Governor	54.93%	Wolf	D	0.65259248
14G_Governor	45.07%	Corbett	R	0.34740749
14P_Governor	16.84%	McCord	D	0.14432624
14P_Governor	7.66%	McGinty	D	0.10193558
14P_Governor	17.64%	Schwartz	D	0.151315019
14P_Governor	57.86%	Wolf	D	0.602423191
14P_Lt_Governor	15.88%	Critz	D	0.284264803
14P_Lt_Governor	11.91%	Koplinski	D	0.070677862
14P_Lt_Governor	10.84%	Neuman	D	0.220048249
14P_Lt_Governor	14.57%	Smith	D	0.070330836
14P_Lt_Governor	46.79%	Stack	D	0.354678243
16G_AG	51.39%	Shapiro	D	0.659893692
16G_AG	48.61%	Rafferty	R	0.340106279
16G_Auditor		Depasquale	D	0.715192795
16G_Auditor		Brown	R	0.284807205
16G_President	47.85%	Clinton	D	0.642544448
16G_President	48.58%	Trump	R	0.357455552
16G_Treasurer		Torsella	D	0.694805145
16G_Treasurer		Voit	R	0.305194855
16G_US_Senate	47.34%	McGinty	D	0.643005908
16G_US_Senate	48.77%	Toomey	R	0.356994063
16P_AG	16.22%	Morganelli	D	0.040286016
16P_AG	47.03%	Shapiro	D	0.24334769
16P_AG	36.74%	Zappala	D	0.716366291
16P_President	55.61%	Clinton	D	0.548487604
16P_President	0.86%	DeLaFuente	D	0.00755117
16P_President	43.53%	Sanders	D	0.443961233
16P_US_Senate	19.49%	Fetterman	D	0.448545694
16P_US_Senate	42.50%	McGinty	D	0.31947723
16P_US_Senate	32.57%	Sestak	D	0.175594404
16P_US_Senate	5.45%	Vodvarka	D	0.056382652

Reconstituted Election Results for the Enacted 2018 Congressional Map

17G_Supreme_Court		Woodruff	D	0.685343206
17G_Supreme_Court		Mundy	R	0.314656824
18G_Governor	57.77%	Wolf	D	0.734503806
18G_Governor	40.70%	Wagner	R	0.265496165
18G_US_Senator		Casey	D	0.721203566
18G_US_Senator		Barletta	R	0.278796405
18P_Lt_Governor	23.78%	Ahmad	D	0.139883354
18P_Lt_Governor	18.55%	Cozzone	D	0.057823565
18P_Lt_Governor	37.48%	Fetterman	D	0.767627299
18P_Lt_Governor	3.58%	Sosa	D	0.008996353
18P_Lt_Governor	16.62%	Stack	D	0.025669405
20G_AG		Shapiro	D	0.692568958
20G_AG		Heidelbaugh	R	0.307431042
20G_Auditor	46.35%	Ahmad	D	0.646845102
20G_Auditor	49.44%	Defoor	R	0.353154927
20G_President	50.01%	Biden	D	0.651593268
20G_President	48.84%	Trump	R	0.348406702
20G_Treasurer		Torsella	D	0.654264212
20G_Treasurer		Garrity	R	0.345735788
20P_Auditor	36.44%	Ahmad	D	0.140032247
20P_Auditor	7.47%	Conklin	D	0.010515729
20P_Auditor	5.99%	Davis	D	0.0172526
20P_Auditor	9.00%	Fountain	D	0.052430745
20P_Auditor	13.97%	Hartman	D	0.02422611
20P_Auditor	27.14%	Lamb	D	0.755542576
20P_President	79.26%	Biden	D	0.744258642
20P_President	2.70%	Gabbard	D	0.030055741
20P_President	18.04%	Sanders	D	0.225685611

Appendix D: PlanScore Results

Gressman Math/Science Petitioners

The Plan Library is live!

[See proposed plans from across the country.](#)



final_cong.zip

State

Pennsylvania

Legislative

U.S. House

Added to PlanScore

Jan. 10, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

Charts and Graphs

Efficiency Gap: 1.4% R

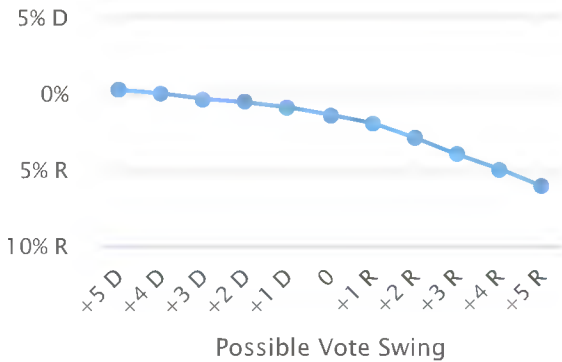


+25% D Balanced +25% R

The Plan Library is live!

Votes for Republican candidates are expected to be inefficient at a rate 1.4% R lower than votes for Democratic candidates, favoring Republicans in 60% of predicted scenarios. * [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.03 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 58% of predicted scenarios. * [Learn more](#) >

Partisan Bias: 0.9% R



+25% D Balanced +25% R

The Plan Library is live!

Republicans would be expected to win 0.9% R extra seats in a hypothetical, perfectly tied election, favoring
[See proposed plans from across the country.](#)
Republicans in 56% of predicted scenarios. [Learn more](#) >

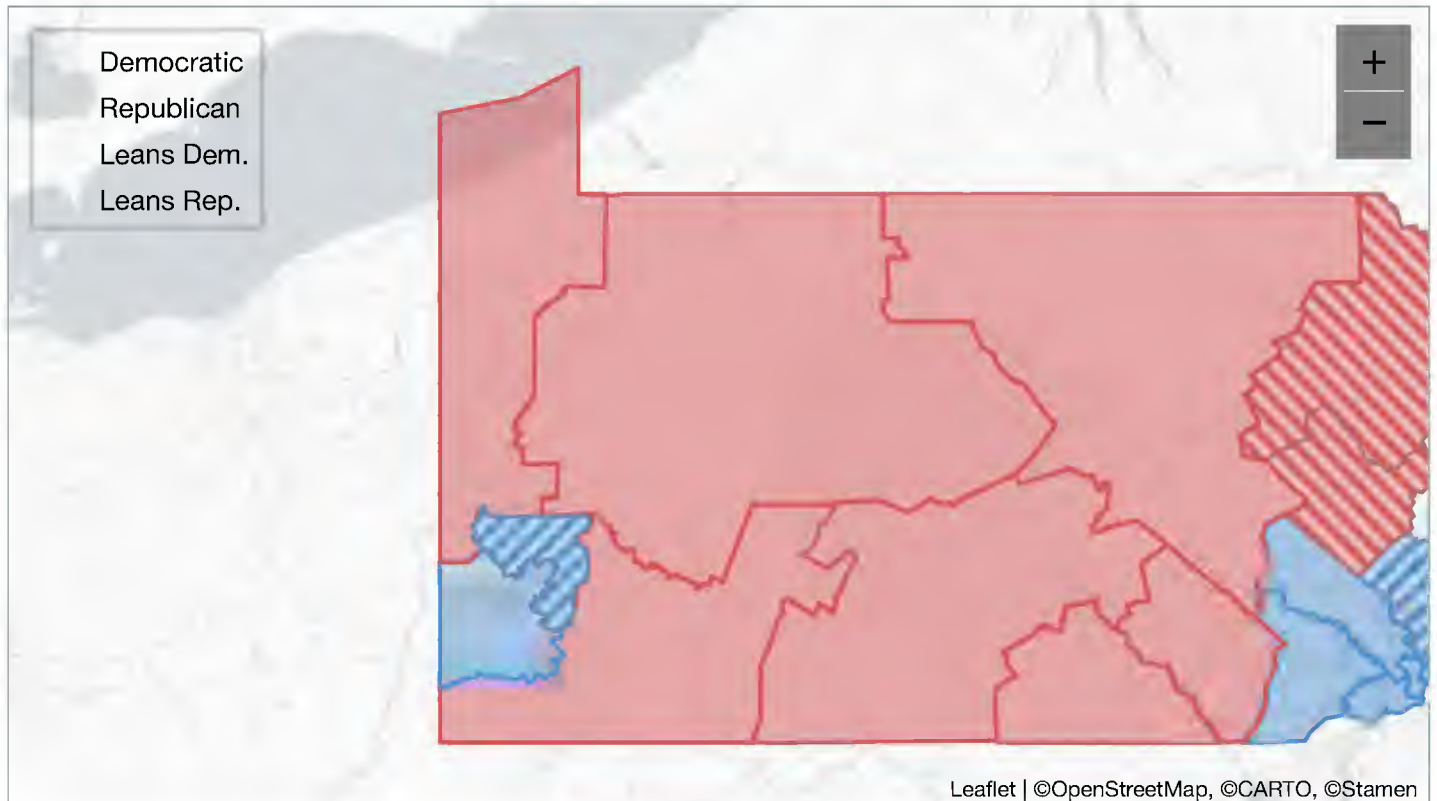
Mean-Median Difference: 0.4% R



+12% D Balanced +12% R

The median Republican vote share is expected to be 0.4% R higher than the mean Republican vote share, favoring Republicans in 56% of predicted scenarios. * [Learn more](#) >

District Map



District Data

The Plan Library is live!

See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips [†]	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	2.8%	5.2%	4.6%	0.3%	Yes	85%	55% D / 45% R
2	Open Seat	764,865	19.6%	19.4%	6.3%	0.4%	No	98%	60% D / 40% R
3	Open Seat	764,864	5.6%	44.1%	6.1%	0.4%	No	>99%	81% D / 19% R
4	Open Seat	764,864	4.0%	7.6%	3.9%	0.2%	No	87%	55% D / 45% R
5	Open Seat	764,865	2.8%	38.7%	3.7%	0.3%	No	>99%	67% D / 33% R
6	Open Seat	764,865	9.5%	6.3%	3.1%	0.3%	No	91%	56% D / 44% R
7	Open Seat	764,865	13.4%	5.1%	2.3%	0.3%	Yes	40%	49% D / 51% R
8	Open Seat	764,865	8.0%	5.8%	1.5%	0.4%	Yes	31%	48% D / 52% R
9	Open Seat	764,865	2.2%	2.6%	0.6%	0.5%	No	<1%	32% D / 68% R
10	Open Seat	764,865	4.3%	4.5%	1.6%	0.4%	No	1%	40% D / 60% R
11	Open Seat	764,865	8.1%	3.4%	1.8%	0.3%	No	3%	41% D / 59% R
12	Open Seat	764,865	3.2%	7.8%	1.2%	0.4%	No	<1%	36% D / 64% R
13	Open Seat	764,865	1.0%	3.0%	0.6%	0.3%	No	<1%	34% D / 66% R
14	Open Seat	764,864	1.7%	11.1%	2.3%	0.3%	No	93%	57% D / 43% R
15	Open Seat	764,865	1.4%	2.3%	0.9%	0.5%	No	<1%	34% D / 66% R
16	Open Seat	764,864	1.7%	4.7%	0.8%	0.4%	No	4%	41% D / 59% R
17	Open Seat	764,864	1.3%	10.9%	1.5%	0.3%	Yes	68%	52% D / 48% R

The Plan Library is live!

Predicted 47% D / 53% R seat share across scenarios* vs. 49% D / 51% R vote share.

[See proposed plans from across the country.](#)

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans‡	More Pro-Democratic than this % of Historical Plans‡
<u>Efficiency Gap</u>	1.4% Pro-Republican	40%	14%	36%
<u>Declination</u>	0.03 Pro-Republican	42%	14%	44%
<u>Partisan Bias</u>	0.9% Pro-Republican	44%	9%	42%
<u>Mean-Median Difference</u>	0.4% Pro-Republican	44%	5%	44%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.7% D lower than votes for the Republican candidate.

U.S. President 2016: 2.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 2.2% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 4.5% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.5% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 4.4% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 4.4% D lower than votes for the Republican candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

The Plan Library is live!

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State [See proposed plans from across the country](#).

House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).



PlanScore is a project of Campaign Legal Center.



House Republicans

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

Intervenors Cutler and Benninghoff - HB2146 - Map Files.zip

State Pennsylvania	Legislative U.S. House	Added to PlanScore Jan. 26, 2022
------------------------------	----------------------------------	--

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

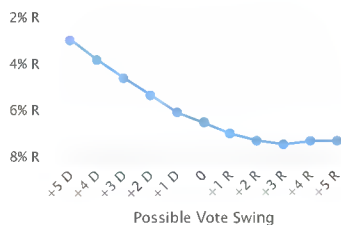
Charts and Graphs

Efficiency Gap: 6.6% R



Votes for Republican candidates are expected to be inefficient at a rate 6.6% R lower than votes for Democratic candidates, favoring Republicans in 88% of predicted scenarios. [Learn more >](#)

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.19 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 87% of predicted scenarios.* [Learn more >](#)

Partisan Bias: 6.3% R



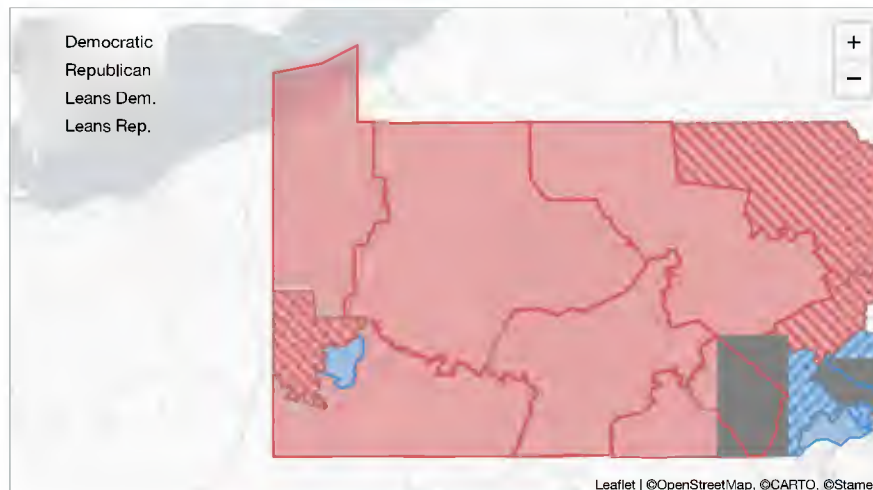
Republicans would be expected to win 6.3% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 87% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 2.3% R



The median Republican vote share is expected to be 2.3% R higher than the mean Republican vote share, favoring Republicans in 87% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	3.4%	3.8%	4.7%	0.3%	Yes	58%	51% D / 49% R
2	Open Seat	764,865	20.3%	24.2%	6.7%	0.4%	No	>99%	68% D / 32% R
3	Open Seat	764,865	4.0%	58.8%	4.6%	0.4%	No	>99%	84% D / 16% R
4	Open Seat	764,865	3.3%	10.2%	5.3%	0.3%	No	>99%	61% D / 39% R

The Plan Library is live! Non-
Hisp. Non-
Hisp. Non-
Hisp. **plans from across the country.**

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
8	Open Seat	764,864	6.3%	5.3%	1.3%	0.5%	Yes	18%	46% D / 54% R
9	Open Seat	764,864	3.5%	2.7%	0.7%	0.4%	No	<1%	34% D / 66% R
10	Open Seat	764,865	5.1%	7.2%	1.7%	0.4%	No	4%	42% D / 58% R
11	Open Seat	764,865	8.1%	3.3%	1.8%	0.3%	No	3%	41% D / 59% R
12	Open Seat	764,865	1.5%	2.7%	0.9%	0.4%	No	<1%	34% D / 66% R
13	Open Seat	764,864	2.5%	5.4%	1.2%	0.4%	No	<1%	34% D / 66% R
14	Open Seat	764,865	1.0%	2.9%	0.6%	0.3%	No	<1%	34% D / 66% R
15	Open Seat	764,864	1.8%	17.9%	2.1%	0.3%	No	>99%	63% D / 37% R
16	Open Seat	764,865	1.7%	4.2%	0.8%	0.5%	No	2%	40% D / 60% R
17	Open Seat	764,865	1.1%	4.1%	1.6%	0.3%	Yes	26%	47% D / 53% R

Predicted 42% D / 58% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	6.6% Pro-Republican	12%	64%	16%
Declination	0.19 Pro-Republican	13%	60%	25%
Partisan Bias	6.3% Pro-Republican	13%	55%	24%
Mean-Median Difference	2.3% Pro-Republican	13%	36%	31%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 4.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.1% R lower than votes for the Democratic candidate.

U.S. President 2016: 8.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 8.1% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 4.5% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.5% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 19.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 19.1% R lower than votes for the Democratic candidate.

- * Scenarios are part of [the predictive model used to score this plan](#).
- The Plan Library is live!** [See proposed plans from across the country](#).
- † 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.
- ‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).



PlanScore is a project of Campaign Legal Center.



Governor Wolf

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

GovPlan.zip

State Pennsylvania	Legislative U.S. House	Added to PlanScore Jan. 26, 2022
------------------------------	----------------------------------	--

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

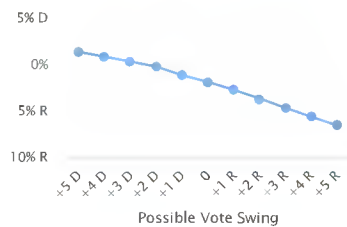
Charts and Graphs

Efficiency Gap: 1.9% R



Votes for Republican candidates are expected to be inefficient at a rate 1.9% R lower than votes for Democratic candidates, favoring Republicans in 63% of predicted scenarios.* [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.05 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 62% of predicted scenarios.* [Learn more](#) >

Partisan Bias: 1.1% R
 The Plan Library is live! [See proposed plans from across the country.](#)



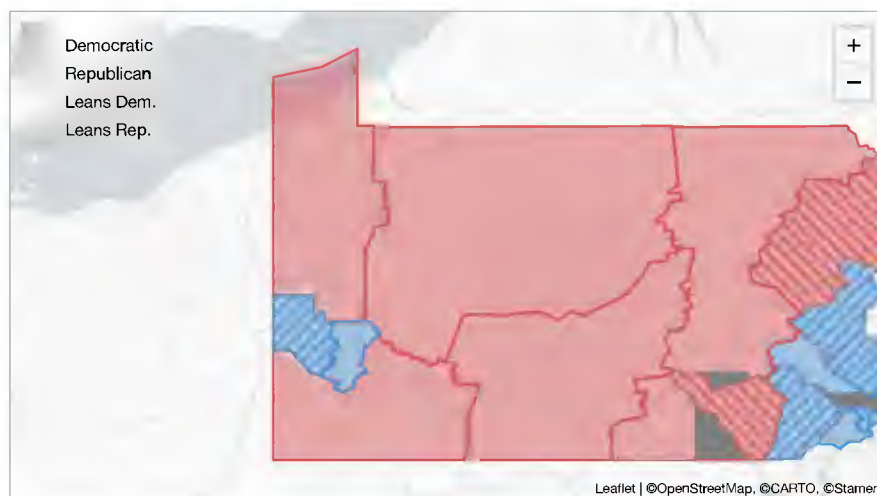
Republicans would be expected to win 1.1% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 57% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 0.4% R



The median Republican vote share is expected to be 0.4% R higher than the mean Republican vote share, favoring Republicans in 57% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	3.3%	3.7%	4.4%	0.3%	Yes	59%	51% D / 49% R
2	Open Seat	764,864	20.6%	25.6%	6.8%	0.4%	No	>99%	66% D / 34% R
3	Open Seat	764,864	4.0%	55.8%	4.6%	0.4%	No	>99%	84% D / 16% R
4	Open Seat	764,864	3.8%	9.6%	4.2%	0.2%	No	94%	57% D / 43% R
5	Open Seat	764,865	3.0%	20.5%	5.0%	0.3%	No	>99%	62% D / 38% R
6	Open Seat	764,865	9.7%	6.3%	2.8%	0.3%	Yes	87%	55% D / 45% R
7	Open Seat	764,864	14.4%	6.0%	2.5%	0.3%	Yes	54%	51% D / 49% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	764,865	8.1%	8.7%	2.3%	0.3%	Yes	22%	46% D / 54% R
12	Open Seat	764,865	1.9%	2.6%	0.6%	0.4%	No	<1%	29% D / 71% R
13	Open Seat	764,865	1.0%	3.3%	0.7%	0.4%	No	<1%	35% D / 65% R
14	Open Seat	764,873	1.5%	2.8%	1.0%	0.4%	No	<1%	34% D / 66% R
15	Open Seat	764,865	1.6%	4.2%	0.7%	0.4%	No	1%	39% D / 61% R
16	Open Seat	764,865	1.4%	7.3%	1.8%	0.3%	Yes	63%	52% D / 48% R
17	Open Seat	764,865	1.6%	14.7%	1.9%	0.3%	No	93%	57% D / 43% R

Predicted 47% D / 53% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
<u>Efficiency Gap</u>	1.9% Pro-Republican	37%	20%	34%
<u>Declination</u>	0.05 Pro-Republican	38%	25%	41%
<u>Partisan Bias</u>	1.1% Pro-Republican	43%	10%	41%
<u>Mean-Median Difference</u>	0.4% Pro-Republican	43%	7%	42%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.7% D lower than votes for the Republican candidate.

U.S. President 2016: 3.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 3.7% D lower than votes for the Republican candidate.

U.S. Senate 2018: 1.4% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.4% D lower than votes for the Republican candidate.

U.S. Senate 2016: 13.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 13.2% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Carter Petitioners

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

Carter Plan Shape Files.zip

State Pennsylvania	Legislative U.S. House	Added to PlanScore Jan. 26, 2022
------------------------------	----------------------------------	--

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

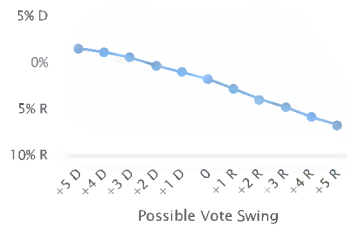
Charts and Graphs

Efficiency Gap: 1.8% R



Votes for Republican candidates are expected to be inefficient at a rate 1.8% R lower than votes for Democratic candidates, favoring Republicans in 62% of predicted scenarios.* [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.05 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 61% of predicted scenarios.* [Learn more](#) >

Partisan Bias: 1.3% R
 The Plan Library is live! [See proposed plans from across the country.](#)



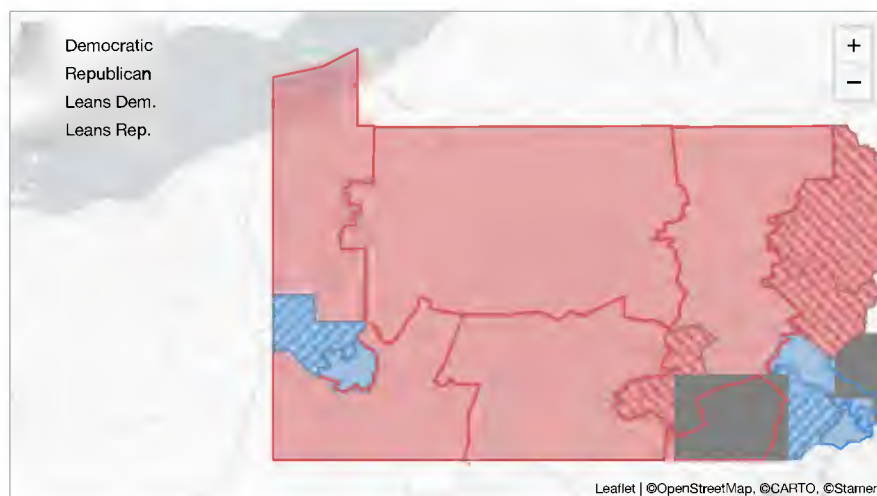
Republicans would be expected to win 1.3% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 58% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 0.4% R



The median Republican vote share is expected to be 0.4% R higher than the mean Republican vote share, favoring Republicans in 58% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,866	3.4%	3.8%	4.6%	0.3%	Yes	57%	51% D / 49% R
2	Open Seat	764,865	20.5%	25.7%	7.0%	0.4%	No	>99%	67% D / 33% R
3	Open Seat	764,864	4.0%	55.2%	4.6%	0.4%	No	>99%	83% D / 17% R
4	Open Seat	764,865	3.5%	7.9%	4.1%	0.2%	No	94%	57% D / 43% R
5	Open Seat	764,866	3.2%	22.8%	4.8%	0.3%	No	>99%	63% D / 37% R
6	Open Seat	764,864	9.7%	6.3%	2.8%	0.3%	Yes	87%	55% D / 45% R
7	Open Seat	764,865	13.4%	5.1%	2.3%	0.3%	Yes	40%	49% D / 51% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	764,864	6.4%	3.3%	1.5%	0.3%	No	1%	40% D / 60% R
12	Open Seat	764,864	1.7%	14.2%	2.1%	0.3%	No	94%	58% D / 42% R
13	Open Seat	764,864	1.8%	2.6%	0.6%	0.4%	No	<1%	29% D / 71% R
14	Open Seat	764,866	1.1%	3.4%	0.6%	0.4%	No	<1%	36% D / 64% R
15	Open Seat	764,872	1.7%	2.5%	1.0%	0.5%	No	<1%	33% D / 67% R
16	Open Seat	764,865	1.7%	4.2%	0.8%	0.4%	No	2%	40% D / 60% R
17	Open Seat	764,864	1.2%	7.6%	1.6%	0.3%	Yes	61%	51% D / 49% R

Predicted 47% D / 53% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	1.8% Pro-Republican	38%	20%	34%
Declination	0.05 Pro-Republican	39%	23%	41%
Partisan Bias	1.3% Pro-Republican	42%	12%	39%
Mean-Median Difference	0.4% Pro-Republican	42%	7%	42%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.7% D lower than votes for the Republican candidate.

U.S. President 2016: 2.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 2.2% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 1.4% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.4% D lower than votes for the Republican candidate.

U.S. Senate 2016: 13.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 13.2% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Senate Democrats (1)

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

Senate Dem Caucus Cong Map #1.zip

State Pennsylvania	Legislative U.S. House	Added to PlanScore Jan. 26, 2022
------------------------------	----------------------------------	--

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

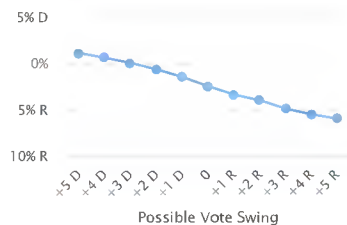
Charts and Graphs

Efficiency Gap: 2.5% R



Votes for Republican candidates are expected to be inefficient at a rate 2.5% R lower than votes for Democratic candidates, favoring Republicans in 65% of predicted scenarios. [Learn more >](#)

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.07 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 63% of predicted scenarios.* [Learn more >](#)

Partisan Bias: 1.8% R



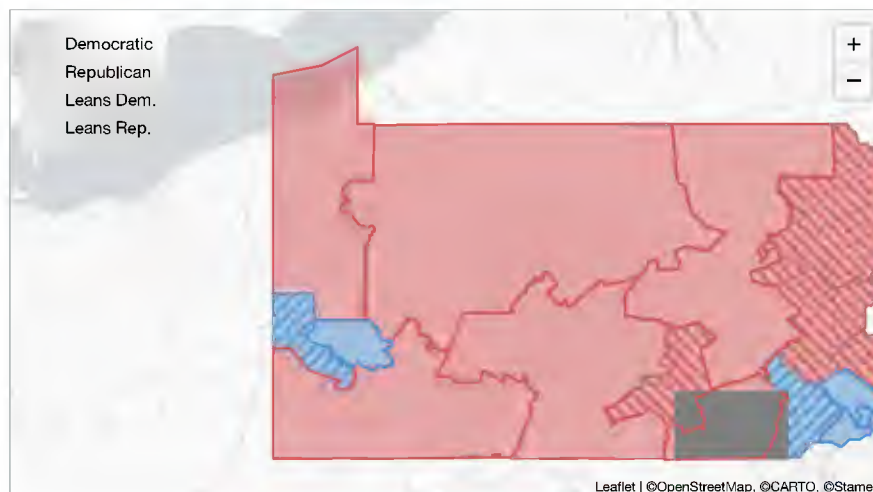
Republicans would be expected to win 1.8% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 60% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 0.6% R



The median Republican vote share is expected to be 0.6% R higher than the mean Republican vote share, favoring Republicans in 60% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,866	3.5%	3.5%	2.7%	0.3%	Yes	41%	49% D / 51% R
2	Open Seat	764,864	13.4%	5.1%	2.3%	0.3%	Yes	44%	49% D / 51% R
3	Open Seat	764,864	5.8%	10.3%	2.5%	0.4%	Yes	27%	47% D / 53% R
4	Open Seat	764,865	7.9%	5.6%	1.4%	0.4%	Yes	27%	47% D / 53% R

The Plan Library is live! Non-
Hisp. Non-
Hisp. Non-
Hisp. **plans from across the country.**

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
8	Open Seat	764,865	1.8%	2.6%	0.7%	0.4%	No	<1%	31% D / 69% R
9	Open Seat	764,865	1.7%	4.2%	0.8%	0.4%	No	2%	40% D / 60% R
10	Open Seat	764,865	1.5%	8.8%	1.5%	0.3%	Yes	63%	52% D / 48% R
11	Open Seat	764,865	1.0%	3.0%	0.6%	0.3%	No	<1%	34% D / 66% R
12	Open Seat	764,865	1.5%	13.2%	2.2%	0.3%	No	94%	57% D / 43% R
13	Open Seat	764,864	18.6%	19.0%	6.8%	0.4%	No	>99%	62% D / 38% R
14	Open Seat	764,865	5.9%	58.4%	4.0%	0.3%	No	>99%	85% D / 15% R
15	Open Seat	764,863	3.2%	9.6%	6.0%	0.2%	No	>99%	61% D / 39% R
16	Open Seat	764,865	3.4%	24.4%	5.6%	0.4%	No	>99%	63% D / 37% R
17	Open Seat	764,865	3.6%	2.2%	0.7%	0.4%	No	<1%	33% D / 67% R

Predicted 46% D / 54% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	2.5% Pro-Republican	36%	26%	32%
Declination	0.07 Pro-Republican	37%	28%	40%
Partisan Bias	1.8% Pro-Republican	40%	15%	38%
Mean-Median Difference	0.6% Pro-Republican	40%	9%	40%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.7% D lower than votes for the Republican candidate.

U.S. President 2016: 8.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 8.1% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 1.4% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.4% D lower than votes for the Republican candidate.

U.S. Senate 2016: 7.3% R

Under this plan, votes for the Republican candidate were inefficient at a rate 7.3% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

The Plan Library is live! [See proposed plans from across the country](#).
† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).



PlanScore is a project of Campaign Legal Center.



Senate Democrats (2)

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

Senate Dem Caucus Cong Map #2.zip

State Pennsylvania	Legislative U.S. House	Added to PlanScore Jan. 26, 2022
------------------------------	----------------------------------	--

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

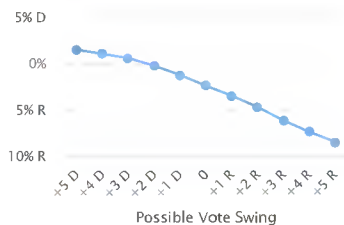
Charts and Graphs

Efficiency Gap: 2.4% R



Votes for Republican candidates are expected to be inefficient at a rate 2.4% R lower than votes for Democratic candidates, favoring Republicans in 67% of predicted scenarios. * [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.07 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 66% of predicted scenarios.* [Learn more >](#)

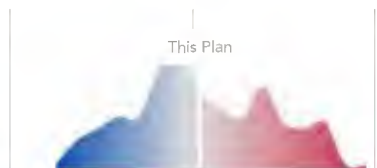
Partisan Bias: 1.5% R



+25% D Balanced +25% R

Republicans would be expected to win 1.5% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 60% of predicted scenarios.* [Learn more >](#)

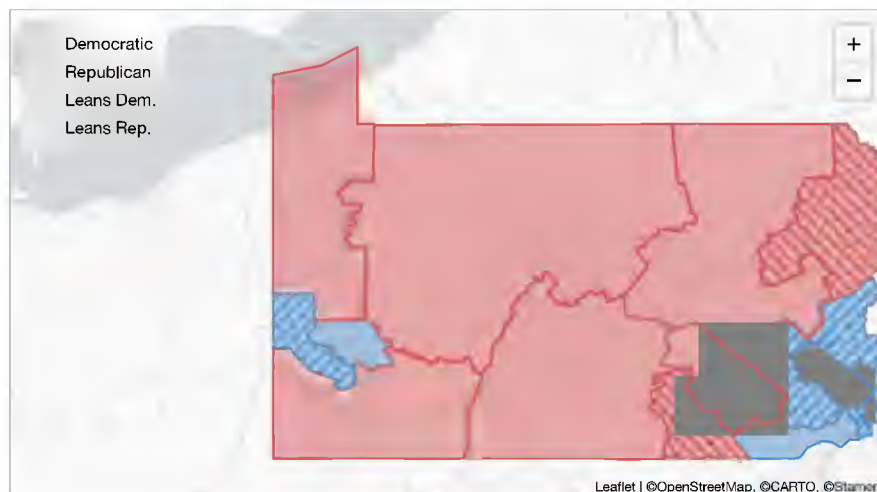
Mean-Median Difference: 0.5% R



+12% D Balanced +12% R

The median Republican vote share is expected to be 0.5% R higher than the mean Republican vote share, favoring Republicans in 60% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,898	3.9%	5.3%	4.8%	0.3%	Yes	68%	52% D / 48% R
2	Open Seat	764,831	20.5%	30.6%	6.5%	0.4%	No	>99%	73% D / 27% R
3	Open Seat	764,864	3.9%	56.5%	4.7%	0.4%	No	>99%	82% D / 18% R
4	Open Seat	764,865	3.1%	7.5%	5.3%	0.2%	No	95%	57% D / 43% R

The Plan Library is live! Non-**See proposed plans from across the country.** Non-**Hisp.** Non-**Hisp.** Non-**Hisp.**

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
8	Open Seat	764,865	8.0%	5.7%	1.4%	0.4%	Yes	30%	47% D / 53% R
9	Open Seat	764,865	2.4%	2.8%	0.6%	0.5%	No	<1%	33% D / 67% R
10	Open Seat	764,865	5.5%	10.1%	2.2%	0.4%	Yes	15%	45% D / 55% R
11	Open Seat	764,864	8.0%	3.3%	1.8%	0.3%	No	3%	41% D / 59% R
12	Open Seat	764,865	1.5%	13.2%	2.2%	0.3%	No	94%	57% D / 43% R
13	Open Seat	764,865	2.0%	2.6%	0.9%	0.4%	No	<1%	32% D / 68% R
14	Open Seat	764,865	1.1%	3.4%	0.6%	0.3%	No	<1%	36% D / 64% R
15	Open Seat	764,865	1.4%	2.3%	0.8%	0.4%	No	<1%	32% D / 68% R
16	Open Seat	764,865	1.7%	4.2%	0.8%	0.4%	No	2%	40% D / 60% R
17	Open Seat	764,865	1.5%	8.8%	1.5%	0.3%	Yes	63%	52% D / 48% R

Predicted 46% D / 54% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	2.4% Pro-Republican	33%	26%	32%
Declination	0.07 Pro-Republican	34%	27%	40%
Partisan Bias	1.5% Pro-Republican	40%	13%	39%
Mean-Median Difference	0.5% Pro-Republican	40%	7%	42%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.7% D lower than votes for the Republican candidate.

U.S. President 2016: 3.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 3.7% D lower than votes for the Republican candidate.

U.S. Senate 2018: 4.5% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.5% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 7.3% R

Under this plan, votes for the Republican candidate were inefficient at a rate 7.3% R lower than votes for the Democratic candidate.

- * Scenarios are part of [the predictive model used to score this plan](#).
- The Plan Library is live!** [See proposed plans from across the country](#).
- † 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.
- ‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).



PlanScore is a project of Campaign Legal Center.



House Democrats

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

HDC_Congressional.zip

State	Legislative	Added to PlanScore
Pennsylvania	U.S. House	Jan. 26, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

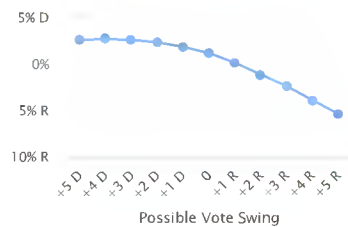
Charts and Graphs

Efficiency Gap: 1.2% D



Votes for Democratic candidates are expected to be inefficient at a rate 1.2% D lower than votes for Republican candidates, favoring Democrats in 57% of predicted scenarios. [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.04 D



The difference between mean Republican vote share in Republican districts and mean Democratic vote share in Democratic districts along with the relative fraction of seats won by each party leads to a declination that favors Democrats in 59% of predicted scenarios. [Learn more](#) >

Partisan Bias: 1.9% D
 The Plan Library is live! [See proposed plans from across the country.](#)



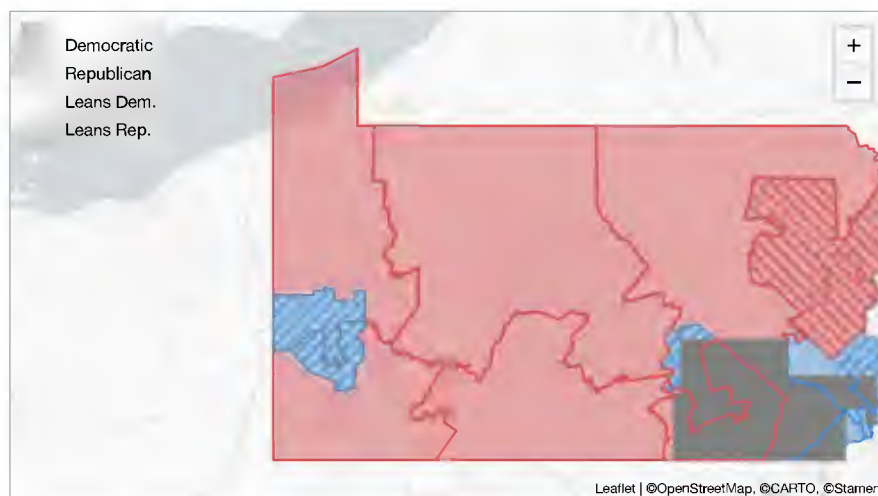
Democrats would be expected to win 1.9% D extra seats in a hypothetical, perfectly tied election, favoring Democrats in 64% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 0.7% D



The median Democrat vote share is expected to be 0.7% D higher than the mean Democrat vote share, favoring Democrats in 64% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	2.7%	4.0%	4.3%	0.3%	Yes	78%	53% D / 47% R
2	Open Seat	764,865	18.5%	18.8%	6.8%	0.4%	No	>99%	62% D / 38% R
3	Open Seat	764,864	6.5%	47.8%	5.8%	0.4%	No	>99%	81% D / 19% R
4	Open Seat	764,866	3.6%	8.8%	4.3%	0.2%	No	93%	57% D / 43% R
5	Open Seat	764,865	2.8%	35.7%	3.7%	0.3%	No	>99%	66% D / 34% R
6	Open Seat	764,864	10.0%	6.3%	2.9%	0.3%	No	87%	55% D / 45% R
7	Open Seat	764,865	14.0%	5.8%	2.4%	0.3%	Yes	48%	50% D / 50% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	764,865	4.3%	2.3%	1.1%	0.3%	No	<1%	35% D / 65% R
12	Open Seat	764,873	1.5%	2.4%	0.9%	0.4%	No	<1%	33% D / 67% R
13	Open Seat	764,864	2.0%	2.9%	1.0%	0.4%	No	<1%	32% D / 68% R
14	Open Seat	764,864	1.0%	3.4%	0.7%	0.4%	No	<1%	36% D / 64% R
15	Open Seat	764,864	1.6%	4.2%	0.7%	0.5%	No	1%	39% D / 61% R
16	Open Seat	764,865	1.7%	11.7%	2.0%	0.3%	Yes	84%	55% D / 45% R
17	Open Seat	764,866	1.3%	10.1%	1.7%	0.3%	Yes	75%	53% D / 47% R

Predicted 50% D / 50% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans‡	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	1.2% Pro-Democratic	57%	13%	50%
Declination	0.04 Pro-Democratic	59%	15%	58%
Partisan Bias	1.9% Pro-Democratic	64%	16%	54%
Mean-Median Difference	0.7% Pro-Democratic	64%	9%	49%

Freedom to Vote Act Races

Section 5003(c)(3) of the FTVA specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 7.6% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 7.6% D lower than votes for the Republican candidate.

U.S. President 2016: 2.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 2.2% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 1.4% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.4% D lower than votes for the Republican candidate.

U.S. Senate 2016: 13.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 13.2% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Republican Congressmen (1)

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

Reschenthaler1.zip

State	Legislative	Added to PlanScore
Pennsylvania	U.S. House	Jan. 26, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

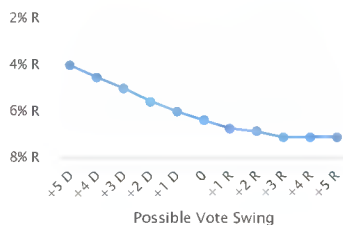
Charts and Graphs

Efficiency Gap: 6.4% R



Votes for Republican candidates are expected to be inefficient at a rate 6.4% R lower than votes for Democratic candidates, favoring Republicans in 88% of predicted scenarios.* [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.19 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 88% of predicted scenarios.* [Learn more](#) >

Partisan Bias: 6.2% R
 The Plan Library is live! [See proposed plans from across the country.](#)



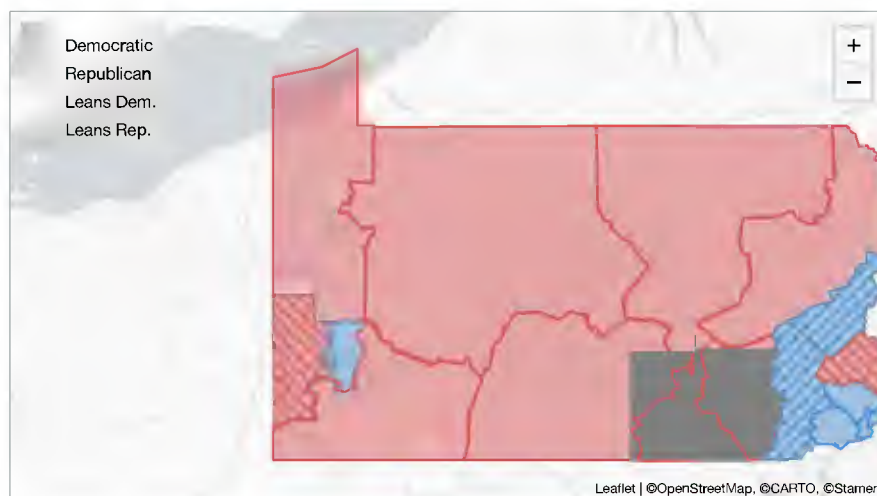
Republicans would be expected to win 6.2% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 86% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 2.4% R



The median Republican vote share is expected to be 2.4% R higher than the mean Republican vote share, favoring Republicans in 86% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	1.7%	4.2%	0.8%	0.4%	No	2%	40% D / 60% R
2	Open Seat	764,865	1.2%	4.5%	1.7%	0.3%	Yes	36%	48% D / 52% R
3	Open Seat	764,865	1.7%	17.3%	2.0%	0.3%	No	>99%	61% D / 39% R
4	Open Seat	764,864	1.1%	3.3%	0.6%	0.3%	No	<1%	35% D / 65% R
5	Open Seat	764,873	1.4%	2.4%	0.9%	0.4%	No	<1%	33% D / 67% R
6	Open Seat	764,865	2.2%	3.0%	1.3%	0.4%	No	<1%	34% D / 66% R
7	Open Seat	764,865	2.6%	2.7%	0.9%	0.5%	No	<1%	37% D / 63% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	764,865	14.4%	6.1%	2.5%	0.3%	Yes	58%	51% D / 49% R
12	Open Seat	764,865	10.3%	6.6%	1.9%	0.3%	Yes	63%	51% D / 49% R
13	Open Seat	764,864	2.8%	15.9%	4.4%	0.3%	No	98%	60% D / 40% R
14	Open Seat	764,864	3.3%	11.7%	5.6%	0.3%	No	>99%	64% D / 36% R
15	Open Seat	764,864	3.3%	3.6%	4.0%	0.3%	Yes	50%	50% D / 50% R
16	Open Seat	764,865	4.0%	58.9%	5.0%	0.4%	No	>99%	83% D / 17% R
17	Open Seat	764,864	20.5%	25.6%	6.9%	0.4%	No	>99%	67% D / 33% R

Predicted 42% D / 58% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	6.4% Pro-Republican	12%	64%	16%
Declination	0.19 Pro-Republican	12%	59%	26%
Partisan Bias	6.2% Pro-Republican	14%	55%	24%
Mean-Median Difference	2.4% Pro-Republican	14%	40%	31%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 4.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.1% R lower than votes for the Democratic candidate.

U.S. President 2016: 8.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 8.1% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 10.4% R

Under this plan, votes for the Republican candidate were inefficient at a rate 10.4% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 19.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 19.1% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Republican Congressmen (2)

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

Reschenthaler2.zip

State Pennsylvania	Legislative U.S. House	Added to PlanScore Jan. 26, 2022
------------------------------	----------------------------------	--

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

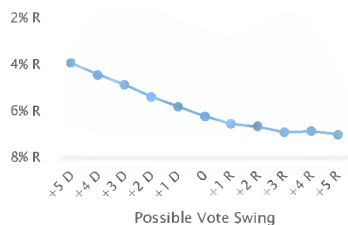
Charts and Graphs

Efficiency Gap: 6.3% R



Votes for Republican candidates are expected to be inefficient at a rate 6.3% R lower than votes for Democratic candidates, favoring Republicans in 87% of predicted scenarios.* [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.18 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 87% of predicted scenarios.* [Learn more](#) >

Partisan Bias: 5.9% R
 The Plan Library is live! [See proposed plans from across the country.](#)



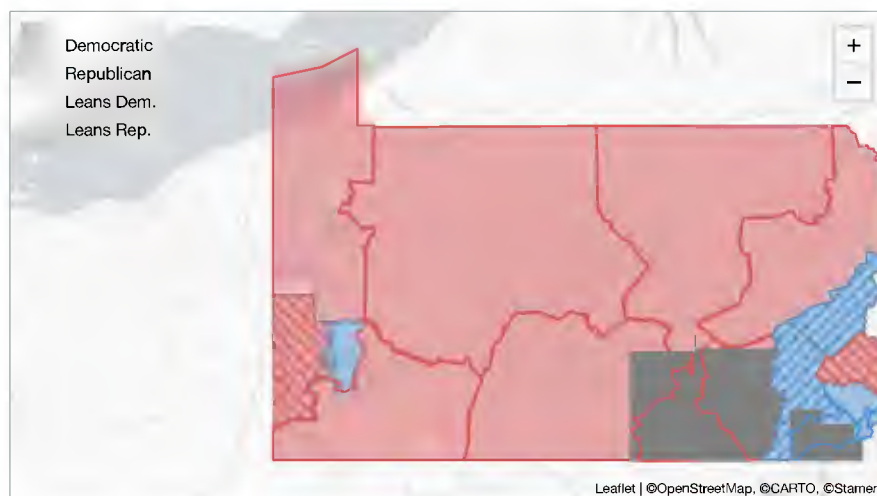
Republicans would be expected to win 5.9% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 85% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 2.4% R



The median Republican vote share is expected to be 2.4% R higher than the mean Republican vote share, favoring Republicans in 85% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	1.7%	4.2%	0.8%	0.4%	No	2%	40% D / 60% R
2	Open Seat	764,865	1.2%	4.5%	1.7%	0.3%	Yes	36%	48% D / 52% R
3	Open Seat	764,865	1.7%	17.3%	2.0%	0.3%	No	>99%	61% D / 39% R
4	Open Seat	764,864	1.1%	3.3%	0.6%	0.3%	No	<1%	35% D / 65% R
5	Open Seat	764,873	1.4%	2.4%	0.9%	0.4%	No	<1%	33% D / 67% R
6	Open Seat	764,865	2.2%	3.0%	1.3%	0.4%	No	<1%	34% D / 66% R
7	Open Seat	764,865	2.6%	2.7%	0.9%	0.5%	No	<1%	37% D / 63% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	764,865	14.4%	6.1%	2.5%	0.3%	Yes	58%	51% D / 49% R
12	Open Seat	764,865	9.9%	6.5%	2.3%	0.3%	Yes	68%	52% D / 48% R
13	Open Seat	764,864	3.2%	15.9%	4.0%	0.3%	No	97%	59% D / 41% R
14	Open Seat	764,864	3.3%	11.7%	5.6%	0.3%	No	>99%	64% D / 36% R
15	Open Seat	764,864	3.3%	3.6%	4.0%	0.3%	Yes	50%	50% D / 50% R
16	Open Seat	764,865	4.0%	58.9%	5.0%	0.4%	No	>99%	83% D / 17% R
17	Open Seat	764,864	20.5%	25.6%	6.9%	0.4%	No	>99%	67% D / 33% R

Predicted 42% D / 58% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	6.3% Pro-Republican	13%	63%	17%
Declination	0.18 Pro-Republican	13%	59%	26%
Partisan Bias	5.9% Pro-Republican	15%	53%	24%
Mean-Median Difference	2.4% Pro-Republican	15%	36%	31%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 4.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.1% R lower than votes for the Democratic candidate.

U.S. President 2016: 8.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 8.1% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 10.4% R

Under this plan, votes for the Republican candidate were inefficient at a rate 10.4% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 19.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 19.1% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Concerned Citizens for Democracy

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

CCFD_district-shapes.zip

State	Legislative	Added to PlanScore
Pennsylvania	U.S. House	Jan. 26, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

Charts and Graphs

Efficiency Gap: 2.6% R



Votes for Republican candidates are expected to be inefficient at a rate 2.6% R lower than votes for Democratic candidates, favoring Republicans in 66% of predicted scenarios.* [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.07 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 65% of predicted scenarios.* [Learn more](#) >

Partisan Bias: 2.3% R
 The Plan Library is live! [See proposed plans from across the country.](#)



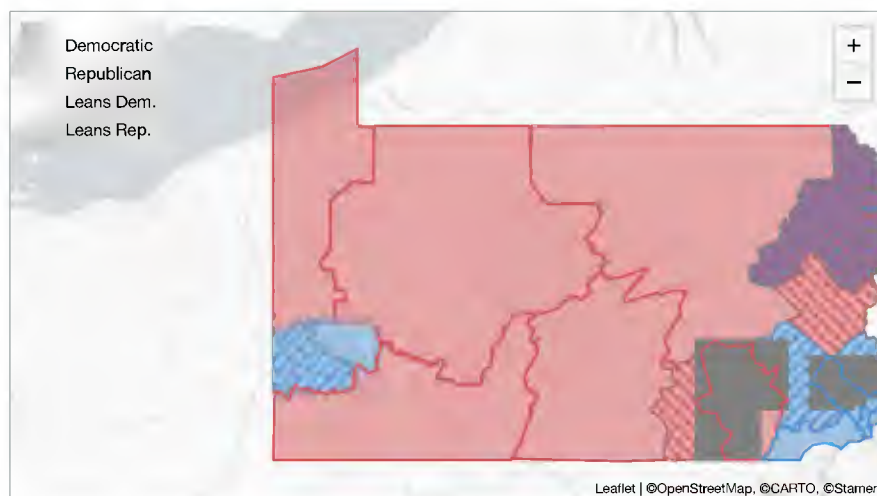
Republicans would be expected to win 2.3% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 74% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 0.8% R



The median Republican vote share is expected to be 0.8% R higher than the mean Republican vote share, favoring Republicans in 67% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	1.7%	4.8%	0.8%	0.4%	No	3%	41% D / 59% R
2	Open Seat	764,865	2.1%	2.8%	0.6%	0.5%	No	<1%	32% D / 68% R
3	Open Seat	764,865	1.6%	14.3%	2.3%	0.3%	No	97%	58% D / 42% R
4	Open Seat	764,865	1.4%	7.4%	1.6%	0.3%	Yes	53%	50% D / 50% R
5	Open Seat	764,865	1.2%	2.4%	0.5%	0.4%	No	<1%	31% D / 69% R
6	Open Seat	764,865	1.0%	3.0%	0.5%	0.4%	No	<1%	33% D / 67% R
7	Open Seat	764,864	2.5%	2.8%	1.6%	0.4%	No	<1%	36% D / 64% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
10	Open Seat	764,865	5.6%	10.1%	2.1%	0.4%	Yes	14%	45% D / 55% R
11	Open Seat	764,865	3.5%	3.9%	4.8%	0.3%	Yes	63%	51% D / 49% R
12	Open Seat	764,864	3.2%	10.5%	4.7%	0.2%	No	99%	61% D / 39% R
13	Open Seat	764,865	8.3%	3.3%	1.6%	0.3%	No	2%	41% D / 59% R
14	Open Seat	764,864	3.2%	20.5%	4.0%	0.3%	No	99%	60% D / 40% R
15	Open Seat	764,864	4.1%	55.6%	4.8%	0.4%	No	>99%	83% D / 17% R
16	Open Seat	764,865	20.5%	25.6%	6.9%	0.4%	No	>99%	67% D / 33% R

Predicted 46% D / 54% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	2.6% Pro-Republican	34%	27%	31%
Declination	0.07 Pro-Republican	35%	29%	40%
Partisan Bias	2.3% Pro-Republican	26%	23%	36%
Mean-Median Difference	0.8% Pro-Republican	33%	13%	38%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 4.8% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 4.8% D lower than votes for the Republican candidate.

U.S. President 2016: 6.0% R

Under this plan, votes for the Republican candidate were inefficient at a rate 6.0% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 7.5% R

Under this plan, votes for the Republican candidate were inefficient at a rate 7.5% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 10.9% R

Under this plan, votes for the Republican candidate were inefficient at a rate 10.9% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Draw the Lines

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

DTL Amicus Participants.zip

State	Legislative	Added to PlanScore
Pennsylvania	U.S. House	Jan. 26, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

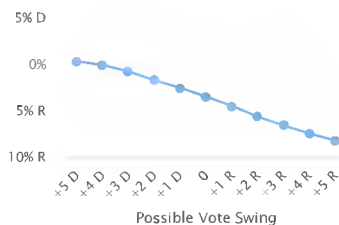
Charts and Graphs

Efficiency Gap: 3.5% R



Votes for Republican candidates are expected to be inefficient at a rate 3.5% R lower than votes for Democratic candidates, favoring Republicans in 73% of predicted scenarios.* [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.1 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 71% of predicted scenarios.* [Learn more](#) >

Partisan Bias: 2.9% R
 The Plan Library is live! [See proposed plans from across the country.](#)



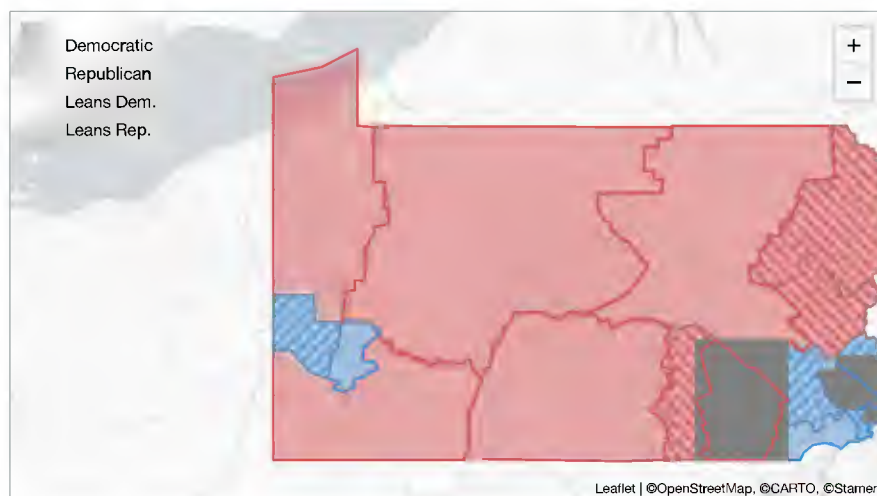
Republicans would be expected to win 2.9% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 68% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 1.0% R



The median Republican vote share is expected to be 1.0% R higher than the mean Republican vote share, favoring Republicans in 68% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,864	3.9%	4.5%	4.4%	0.3%	Yes	52%	50% D / 50% R
2	Open Seat	764,865	20.4%	28.3%	7.1%	0.4%	No	>99%	73% D / 27% R
3	Open Seat	764,865	3.7%	58.3%	4.3%	0.4%	No	>99%	83% D / 17% R
4	Open Seat	764,865	3.1%	7.8%	5.8%	0.2%	No	98%	59% D / 41% R
5	Open Seat	764,864	3.1%	16.0%	3.8%	0.3%	No	97%	58% D / 42% R
6	Open Seat	764,865	10.0%	6.5%	2.6%	0.3%	Yes	73%	53% D / 47% R
7	Open Seat	764,865	13.4%	5.1%	2.2%	0.3%	Yes	40%	49% D / 51% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	764,865	7.8%	3.2%	1.5%	0.3%	No	1%	40% D / 60% R
12	Open Seat	764,873	1.4%	2.4%	0.9%	0.4%	No	<1%	33% D / 67% R
13	Open Seat	764,864	2.1%	2.5%	1.0%	0.4%	No	<1%	32% D / 68% R
14	Open Seat	764,865	1.0%	3.3%	0.6%	0.3%	No	<1%	36% D / 64% R
15	Open Seat	764,864	1.7%	15.3%	2.0%	0.3%	No	96%	58% D / 42% R
16	Open Seat	764,865	1.7%	4.2%	0.8%	0.5%	No	2%	40% D / 60% R
17	Open Seat	764,864	1.4%	6.6%	1.7%	0.3%	Yes	61%	51% D / 49% R

Predicted 45% D / 55% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	3.5% Pro-Republican	28%	41%	26%
Declination	0.1 Pro-Republican	29%	37%	36%
Partisan Bias	2.9% Pro-Republican	32%	27%	34%
Mean-Median Difference	1.0% Pro-Republican	32%	14%	38%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.7% D lower than votes for the Republican candidate.

U.S. President 2016: 2.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 2.2% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 4.5% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.5% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 13.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 13.2% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Citizen Voters

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

CitizenVoters.zip

State	Legislative	Added to PlanScore
Pennsylvania	U.S. House	Jan. 26, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

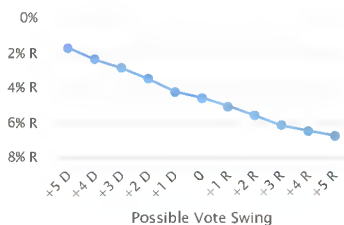
Charts and Graphs

Efficiency Gap: 4.6% R



Votes for Republican candidates are expected to be inefficient at a rate 4.6% R lower than votes for Democratic candidates, favoring Republicans in 80% of predicted scenarios.* [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.13 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 79% of predicted scenarios.* [Learn more](#) >

Partisan Bias: 4.3% R
 The Plan Library is live! [See proposed plans from across the country.](#)



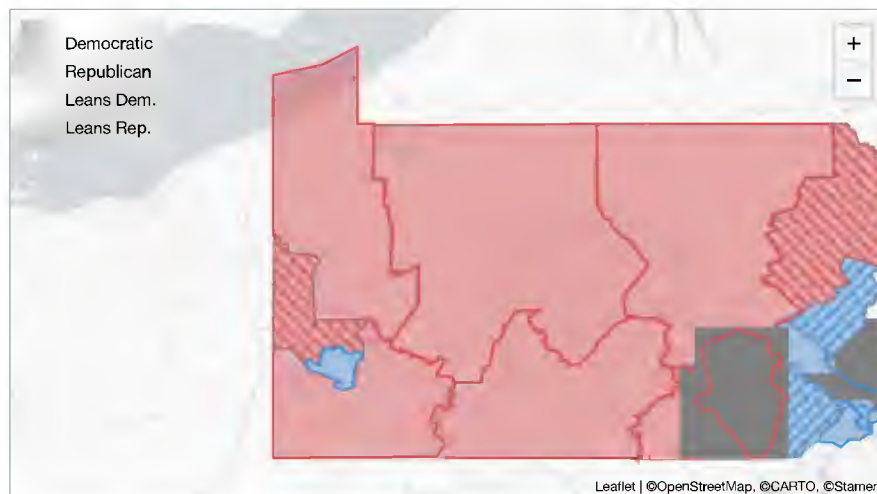
Republicans would be expected to win 4.3% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 79% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 1.7% R



The median Republican vote share is expected to be 1.7% R higher than the mean Republican vote share, favoring Republicans in 79% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	3.4%	3.8%	4.7%	0.3%	Yes	57%	51% D / 49% R
2	Open Seat	764,865	20.5%	25.6%	6.9%	0.4%	No	>99%	67% D / 33% R
3	Open Seat	764,864	4.0%	56.0%	4.7%	0.4%	No	>99%	84% D / 16% R
4	Open Seat	764,865	3.7%	9.4%	4.0%	0.2%	No	92%	56% D / 44% R
5	Open Seat	764,865	2.8%	20.4%	4.7%	0.3%	No	>99%	62% D / 38% R
6	Open Seat	764,865	9.7%	6.3%	2.8%	0.3%	Yes	87%	55% D / 45% R
7	Open Seat	764,864	14.4%	6.0%	2.5%	0.3%	Yes	54%	51% D / 49% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	764,865	8.1%	3.2%	1.6%	0.3%	No	2%	40% D / 60% R
12	Open Seat	764,865	2.2%	2.9%	1.3%	0.4%	No	<1%	34% D / 66% R
13	Open Seat	764,865	1.0%	3.1%	0.7%	0.3%	No	<1%	36% D / 64% R
14	Open Seat	764,872	1.6%	3.1%	0.9%	0.4%	No	<1%	34% D / 66% R
15	Open Seat	764,865	1.6%	3.4%	0.8%	0.4%	No	<1%	38% D / 62% R
16	Open Seat	764,865	1.2%	6.6%	1.3%	0.3%	Yes	29%	47% D / 53% R
17	Open Seat	764,864	1.8%	15.9%	2.4%	0.3%	No	>99%	62% D / 38% R

Predicted 44% D / 56% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
<u>Efficiency Gap</u>	4.6% Pro-Republican	21%	46%	24%
<u>Declination</u>	0.13 Pro-Republican	21%	47%	30%
<u>Partisan Bias</u>	4.3% Pro-Republican	21%	41%	31%
<u>Mean-Median Difference</u>	1.7% Pro-Republican	21%	23%	34%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 4.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.1% R lower than votes for the Democratic candidate.

U.S. President 2016: 2.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 2.2% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 4.5% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.5% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 19.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 19.1% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Ali et al.

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

KhalifAli_district-shapes.zip

State	Legislative	Added to PlanScore
Pennsylvania	U.S. House	Jan. 26, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

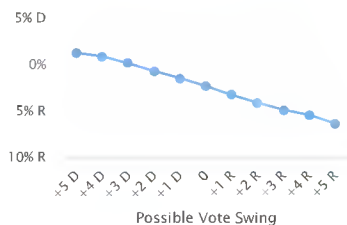
Charts and Graphs

Efficiency Gap: 2.4% R



Votes for Republican candidates are expected to be inefficient at a rate 2.4% R lower than votes for Democratic candidates, favoring Republicans in 66% of predicted scenarios.* [Learn more >](#)

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.07 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 65% of predicted scenarios.* [Learn more >](#)

Partisan Bias: 1.9% R
 The Plan Library is live! [See proposed plans from across the country.](#)



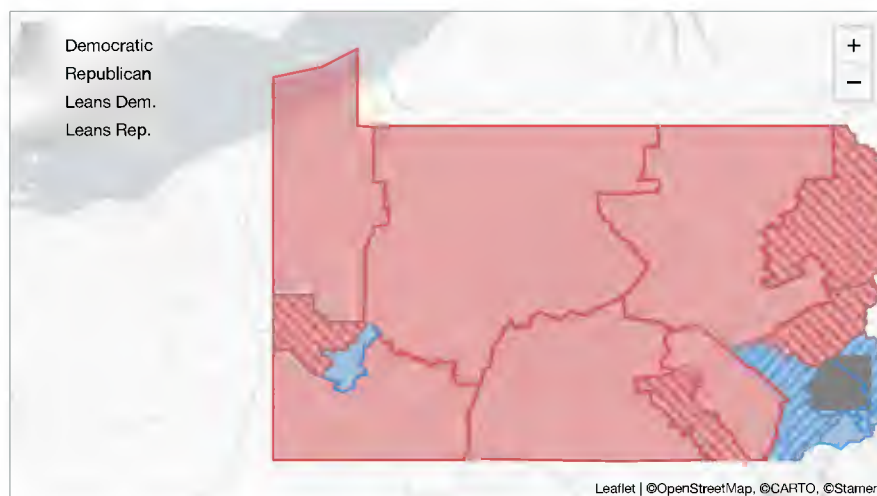
Republicans would be expected to win 1.9% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 63% of predicted scenarios.* [Learn more >](#)

Mean-Median Difference: 0.7% R



The median Republican vote share is expected to be 0.7% R higher than the mean Republican vote share, favoring Republicans in 63% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,221	3.3%	5.8%	3.5%	0.3%	Yes	79%	54% D / 46% R
2	Open Seat	762,027	20.4%	22.5%	6.8%	0.4%	No	>99%	64% D / 36% R
3	Open Seat	761,176	4.0%	57.9%	4.3%	0.3%	No	>99%	85% D / 15% R
4	Open Seat	766,008	3.1%	7.7%	5.5%	0.2%	No	95%	58% D / 42% R
5	Open Seat	763,834	3.3%	21.7%	5.5%	0.3%	No	>99%	63% D / 37% R
6	Open Seat	763,353	10.3%	6.0%	2.3%	0.3%	Yes	64%	52% D / 48% R
7	Open Seat	763,651	13.3%	5.1%	2.3%	0.3%	Yes	42%	49% D / 51% R

The Plan Library is live! Non-See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
11	Open Seat	763,395	7.9%	3.1%	1.6%	0.3%	No	1%	40% D / 60% R
12	Open Seat	769,860	1.4%	2.4%	0.9%	0.4%	No	<1%	33% D / 67% R
13	Open Seat	765,281	1.9%	2.4%	0.7%	0.4%	No	<1%	30% D / 70% R
14	Open Seat	767,908	1.0%	3.3%	0.7%	0.4%	No	<1%	36% D / 64% R
15	Open Seat	763,111	1.7%	18.0%	1.9%	0.3%	No	99%	60% D / 40% R
16	Open Seat	766,195	1.6%	4.2%	0.7%	0.4%	No	1%	39% D / 61% R
17	Open Seat	764,275	1.3%	3.9%	1.8%	0.3%	Yes	44%	49% D / 51% R

Predicted 46% D / 54% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
<u>Efficiency Gap</u>	2.4% Pro-Republican	34%	26%	32%
<u>Declination</u>	0.07 Pro-Republican	35%	27%	40%
<u>Partisan Bias</u>	1.9% Pro-Republican	37%	16%	38%
<u>Mean-Median Difference</u>	0.7% Pro-Republican	37%	9%	40%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.7% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.7% D lower than votes for the Republican candidate.

U.S. President 2016: 8.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 8.1% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 1.4% D

Under this plan, votes for the Democratic candidate were inefficient at a rate 1.4% D lower than votes for the Republican candidate.

U.S. Senate 2016: 7.3% R

Under this plan, votes for the Republican candidate were inefficient at a rate 7.3% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).

The Plan Library is live! [See proposed plans from across the country.](#)



PlanScore is a project of Campaign Legal Center.



Voters of the Commonwealth

The Plan Library is live! [See proposed plans from across the country.](#)



[View the Library](#) [Score a Plan](#) [What is PlanScore?](#)

Pennsylvania_P CORRECTED.zip

State	Legislative	Added to PlanScore
Pennsylvania	U.S. House	Jan. 26, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

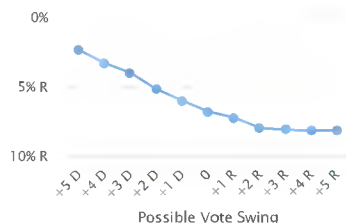
Charts and Graphs

Efficiency Gap: 6.8% R



Votes for Republican candidates are expected to be inefficient at a rate 6.8% R lower than votes for Democratic candidates, favoring Republicans in 88% of predicted scenarios. * [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.2 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 88% of predicted scenarios.* [Learn more >](#)

Partisan Bias: 6.5% R



+25% D Balanced +25% R

Republicans would be expected to win 6.5% R extra seats in a hypothetical, perfectly tied election, favoring Republicans in 86% of predicted scenarios.* [Learn more >](#)

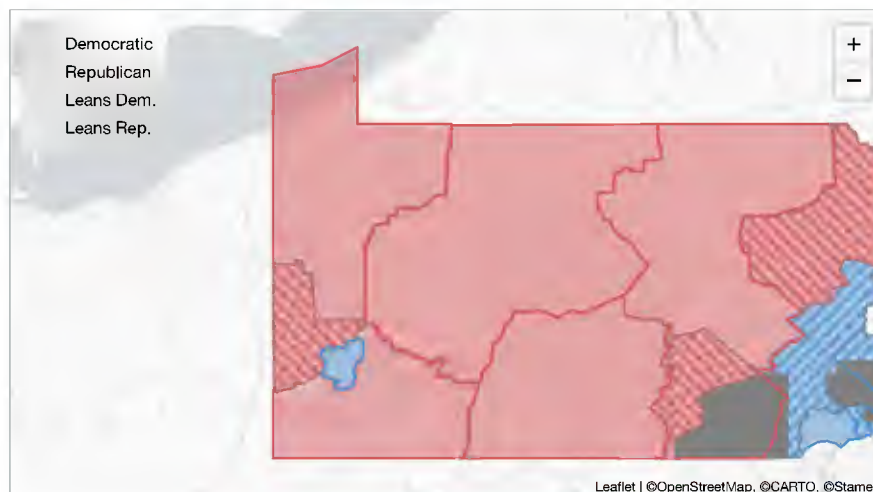
Mean-Median Difference: 2.2% R



+12% D Balanced +12% R

The median Republican vote share is expected to be 2.2% R higher than the mean Republican vote share, favoring Republicans in 86% of predicted scenarios.* [Learn more >](#)

District Map



District Data

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	764,865	3.9%	4.1%	4.4%	0.3%	Yes	51%	50% D / 50% R
2	Open Seat	764,865	20.2%	33.7%	6.7%	0.4%	No	>99%	74% D / 26% R
3	Open Seat	764,865	3.8%	56.4%	4.4%	0.4%	No	>99%	82% D / 18% R
4	Open Seat	764,865	3.2%	9.5%	6.0%	0.2%	No	>99%	61% D / 39% R

The Plan Library is live! Non-**Non-Non-** **See proposed plans from across the country.**
 Hisp. Hisp. Hisp.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Black CVAP 2019	Asian CVAP 2019	Native CVAP 2019	Chance of 1+ Flips†	Chance of Democratic Win	Predicted Vote Shares
8	Open Seat	764,864	7.0%	4.9%	1.2%	0.4%	Yes	14%	45% D / 55% R
9	Open Seat	764,865	2.2%	2.6%	0.6%	0.5%	No	<1%	33% D / 67% R
10	Open Seat	764,865	6.5%	3.4%	1.5%	0.3%	No	1%	40% D / 60% R
11	Open Seat	764,865	7.1%	10.0%	2.2%	0.4%	Yes	16%	46% D / 54% R
12	Open Seat	764,865	2.0%	2.5%	1.0%	0.4%	No	<1%	32% D / 68% R
13	Open Seat	764,873	1.5%	2.8%	0.9%	0.4%	No	<1%	34% D / 66% R
14	Open Seat	764,865	1.0%	3.3%	0.7%	0.3%	No	<1%	36% D / 64% R
15	Open Seat	764,864	1.6%	3.9%	0.8%	0.5%	No	1%	39% D / 61% R
16	Open Seat	764,864	1.2%	3.9%	1.6%	0.3%	Yes	25%	47% D / 53% R
17	Open Seat	764,864	1.8%	17.9%	2.1%	0.3%	No	>99%	62% D / 38% R

Predicted 42% D / 58% R seat share across scenarios* vs. 49% D / 51% R vote share.

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans†	More Pro-Democratic than this % of Historical Plans‡
Efficiency Gap	6.8% Pro-Republican	12%	64%	16%
Declination	0.2 Pro-Republican	12%	61%	24%
Partisan Bias	6.5% Pro-Republican	14%	55%	24%
Mean-Median Difference	2.2% Pro-Republican	14%	34%	32%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 4.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.1% R lower than votes for the Democratic candidate.

U.S. President 2016: 8.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 8.1% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 10.4% R

Under this plan, votes for the Republican candidate were inefficient at a rate 10.4% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 19.1% R

Under this plan, votes for the Republican candidate were inefficient at a rate 19.1% R lower than votes for the Democratic candidate.

- * Scenarios are part of [the predictive model used to score this plan](#).
- The Plan Library is live!** [See proposed plans from across the country](#).
- † 50%+ chance of one or more party flips assuming the plan is used for one decade with five State House elections, five U.S. House elections, or three State Senate elections.
- ‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).



PlanScore is a project of Campaign Legal Center.



Reconstituted Election Results for the Enacted 2018 Congressional Map

The Plan Library is live!

[See proposed plans from across the country.](#)



cong_assign.zip

State

Pennsylvania

Legislative

U.S. House

Added to PlanScore

Jan. 10, 2022

PlanScore bases its scores on predicted precinct-level votes for each office (State House, State Senate, and U.S. House) built from past election results and U.S. Census data. [More information about the predictive model used to score this plan.](#)

Charts and Graphs

Efficiency Gap: 2.9% R

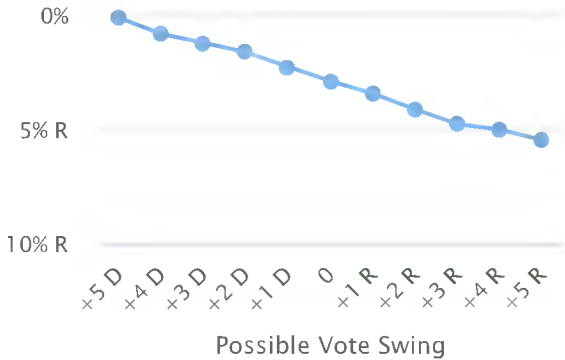


+25% D Balanced +25% R

The Plan Library is live!

Votes for Republican candidates are expected to be inefficient at a rate 2.9% R lower than votes for Democratic candidates, favoring Republicans in 70% of predicted scenarios. * [Learn more](#) >

Sensitivity Testing



Sensitivity testing shows us a plan's expected efficiency gap given a range of possible vote swings. It lets us evaluate the durability of a plan's skew.

Declination: 0.08 R



The difference between mean Democratic vote share in Democratic districts and mean Republican vote share in Republican districts along with the relative fraction of seats won by each party leads to a declination that favors Republicans in 69% of predicted scenarios. * [Learn more](#) >

Partisan Bias: 2.1% R



+25% D Balanced +25% R

The Plan Library is live!

Republicans would be expected to win 2.1% R extra seats in a hypothetical, perfectly tied election, favoring
[See proposed plans from across the country.](#)
Republicans in 72% of predicted scenarios. [Learn more](#) >

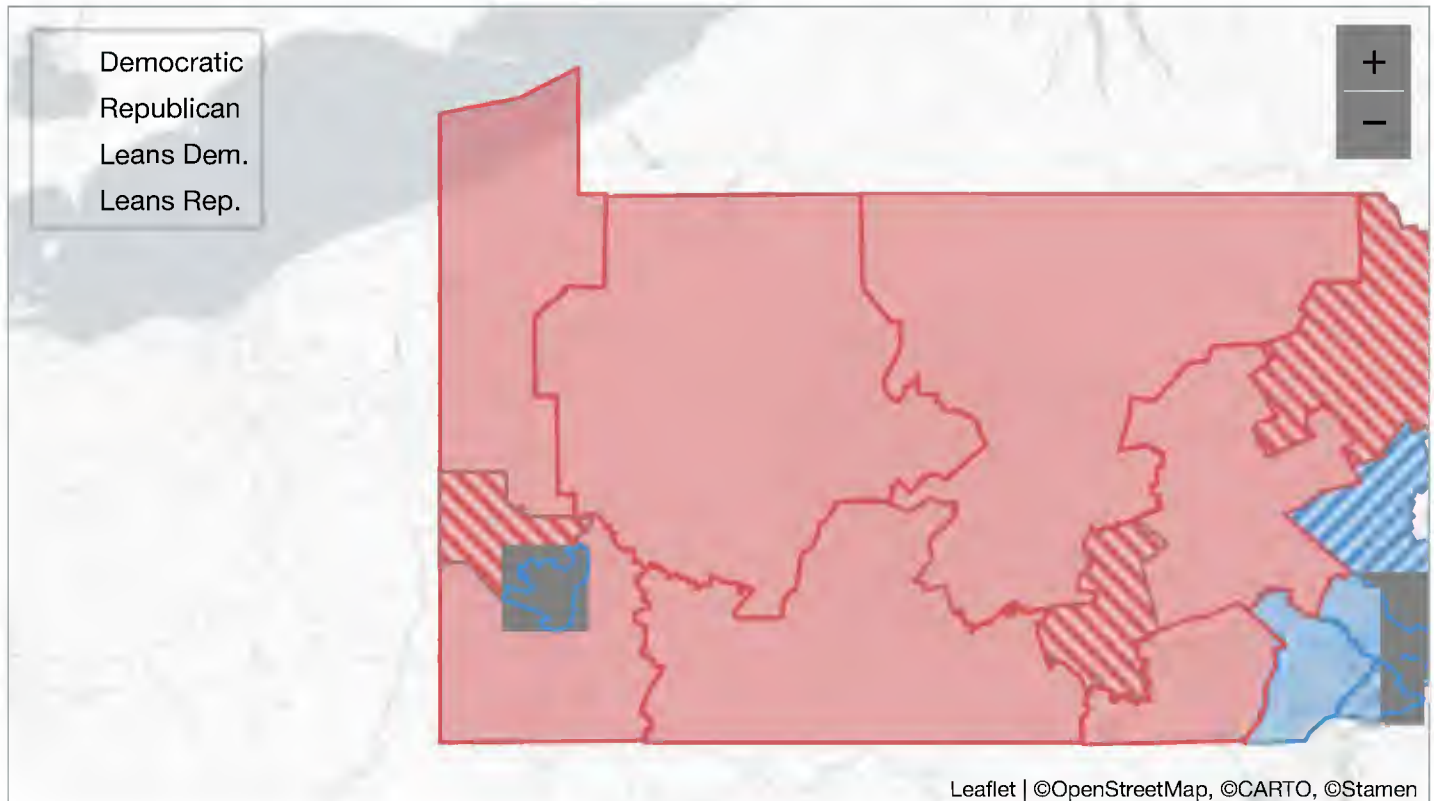
Mean-Median Difference: 0.8% R



+12% D Balanced +12% R

The median Republican vote share is expected to be 0.8% R higher than the mean Republican vote share, favoring Republicans in 68% of predicted scenarios. * [Learn more](#) >

District Map



District Data

The Plan Library is live!

See proposed plans from across the country.

District	Candidate Scenario	Pop. 2020	Hispanic CVAP 2019	Non-Hisp. Black CVAP 2019	Non-Hisp. Asian CVAP 2019	Non-Hisp. Native CVAP 2019	Chance of 1+ Flips [†]	Chance of Democratic Win	Predicted Vote Shares
1	Open Seat	732,646	3.6%	3.9%	4.8%	0.3%	Yes	61%	51% D / 49% R
2	Open Seat	733,054	21.2%	26.3%	6.6%	0.4%	No	>99%	66% D / 34% R
3	Open Seat	752,057	3.9%	55.8%	4.6%	0.4%	No	>99%	84% D / 16% R
4	Open Seat	754,596	3.1%	9.9%	4.6%	0.2%	No	98%	59% D / 41% R
5	Open Seat	731,012	3.1%	22.3%	5.0%	0.3%	No	>99%	62% D / 38% R
6	Open Seat	752,938	9.8%	6.3%	2.8%	0.3%	No	87%	55% D / 45% R
7	Open Seat	745,782	14.4%	5.9%	2.5%	0.3%	Yes	54%	51% D / 49% R
8	Open Seat	713,086	7.6%	5.3%	1.3%	0.4%	Yes	27%	47% D / 53% R
9	Open Seat	706,246	4.8%	2.6%	0.9%	0.3%	No	<1%	36% D / 64% R
10	Open Seat	759,486	5.8%	10.3%	2.6%	0.4%	Yes	32%	48% D / 52% R
11	Open Seat	748,591	6.5%	3.3%	1.5%	0.3%	No	1%	39% D / 61% R
12	Open Seat	686,782	1.9%	2.3%	1.0%	0.5%	No	<1%	33% D / 67% R
13	Open Seat	694,813	1.9%	2.9%	0.6%	0.4%	No	<1%	30% D / 70% R
14	Open Seat	689,589	1.0%	3.4%	0.7%	0.3%	No	<1%	37% D / 63% R
15	Open Seat	674,325	1.2%	2.2%	0.5%	0.4%	No	<1%	30% D / 70% R
16	Open Seat	688,028	1.8%	4.6%	0.8%	0.4%	No	4%	41% D / 59% R
17	Open Seat	737,056	1.2%	6.0%	1.6%	0.3%	Yes	49%	50% D / 50% R
18	Open Seat	702,613	1.9%	17.1%	2.2%	0.3%	No	99%	61% D / 39% R

The Plan Library is live!

Predicted 45% D / 55% R seat share across scenarios* vs. 49% D / 51% R vote share.

[See proposed plans from across the country.](#)

[Download raw data as tab-delimited text.](#)

Metric	Value	Favors Democrats in this % of Scenarios*	More Skewed than this % of Historical Plans‡	More Pro-Democratic than this % of Historical Plans‡
<u>Efficiency Gap</u>	2.9% Pro-Republican	30%	32%	30%
<u>Declination</u>	0.08 Pro-Republican	31%	35%	38%
<u>Partisan Bias</u>	2.1% Pro-Republican	28%	23%	36%
<u>Mean-Median Difference</u>	0.8% Pro-Republican	32%	13%	38%

Freedom to Vote Act Races

[Section 5003\(c\)\(3\) of the FTVA](#) specifies that partisan fairness should be assessed using a state's two most recent elections for U.S. President and two most recent elections for U.S. Senate.

U.S. President 2020: 1.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 1.2% R lower than votes for the Democratic candidate.

U.S. President 2016: 4.8% R

Under this plan, votes for the Republican candidate were inefficient at a rate 4.8% R lower than votes for the Democratic candidate.

U.S. Senate 2018: 2.2% R

Under this plan, votes for the Republican candidate were inefficient at a rate 2.2% R lower than votes for the Democratic candidate.

U.S. Senate 2016: 20.7% R

Under this plan, votes for the Republican candidate were inefficient at a rate 20.7% R lower than votes for the Democratic candidate.

* Scenarios are part of [the predictive model used to score this plan](#).

The Plan Library is live!

† 50%+ chance of one or more party flips assuming the plan is used for one decade with five State [See proposed plans from across the country](#).

House elections, five U.S. House elections, or three State Senate elections.

‡ Enacted [U.S. House](#), [State House](#), and [State Senate](#) plan metrics are featured in our [historical dataset](#).



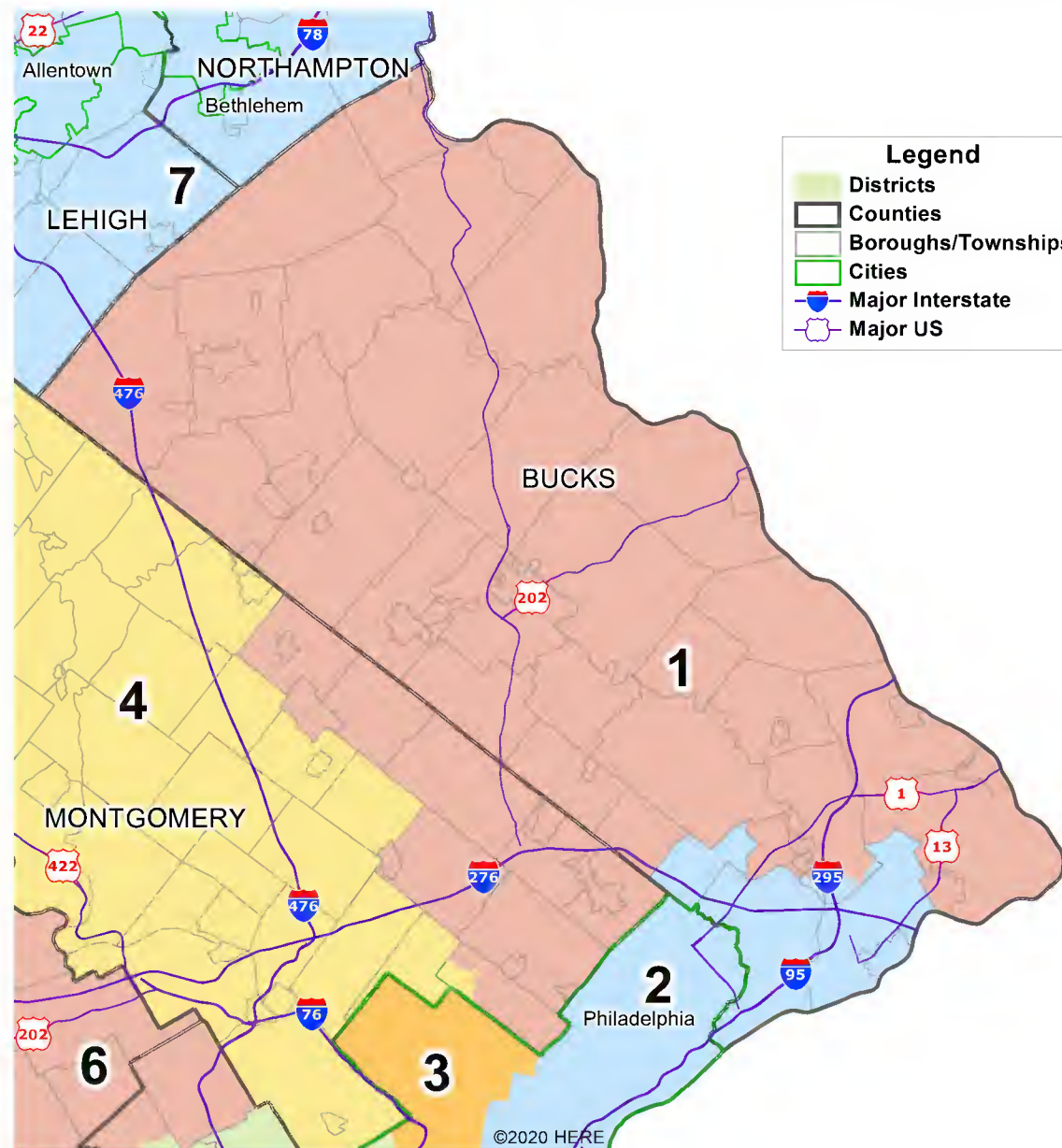
PlanScore is a project of Campaign Legal Center.



EXHIBIT 2

Proposed Congressional Map: District 1

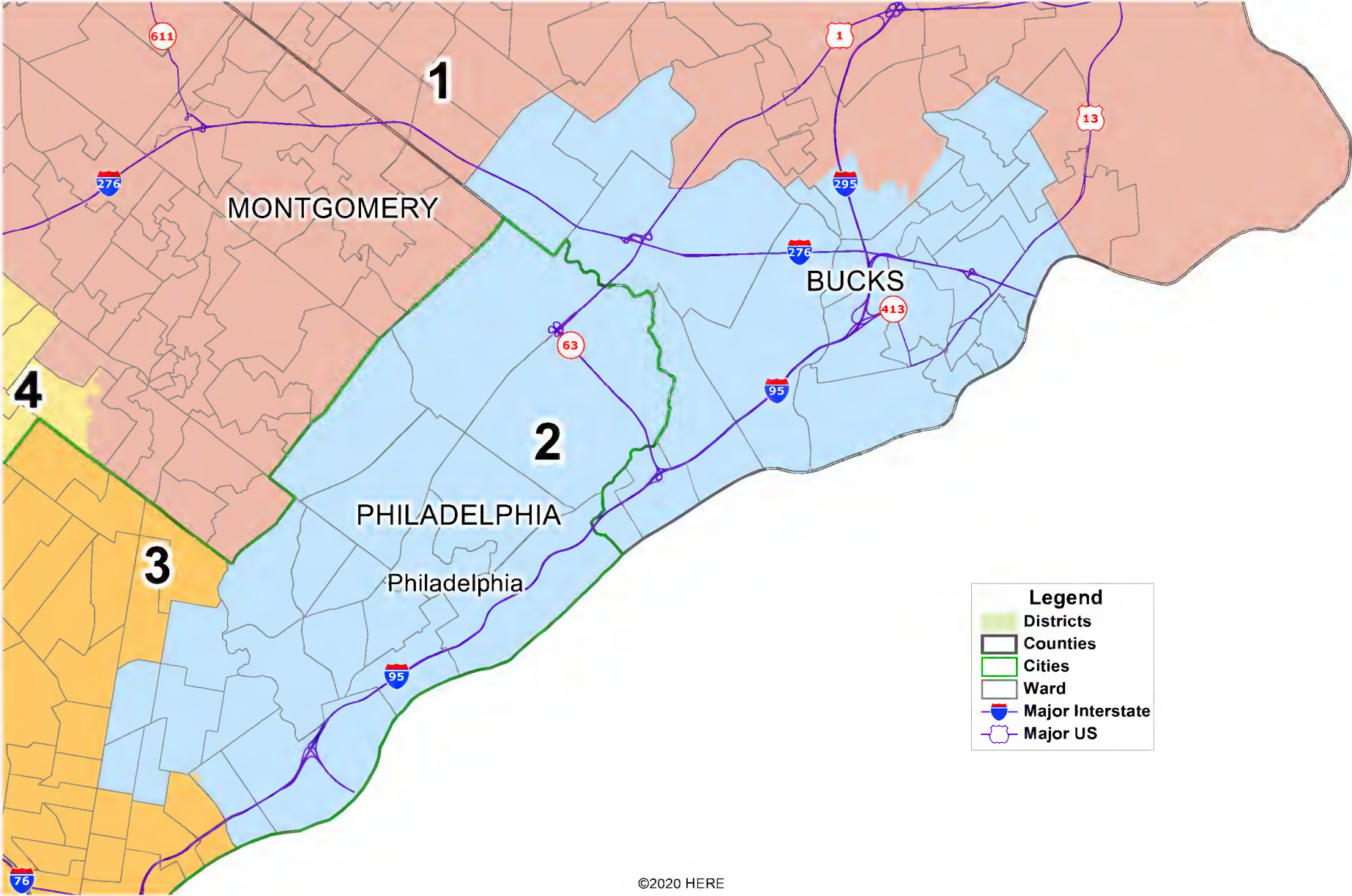
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 2

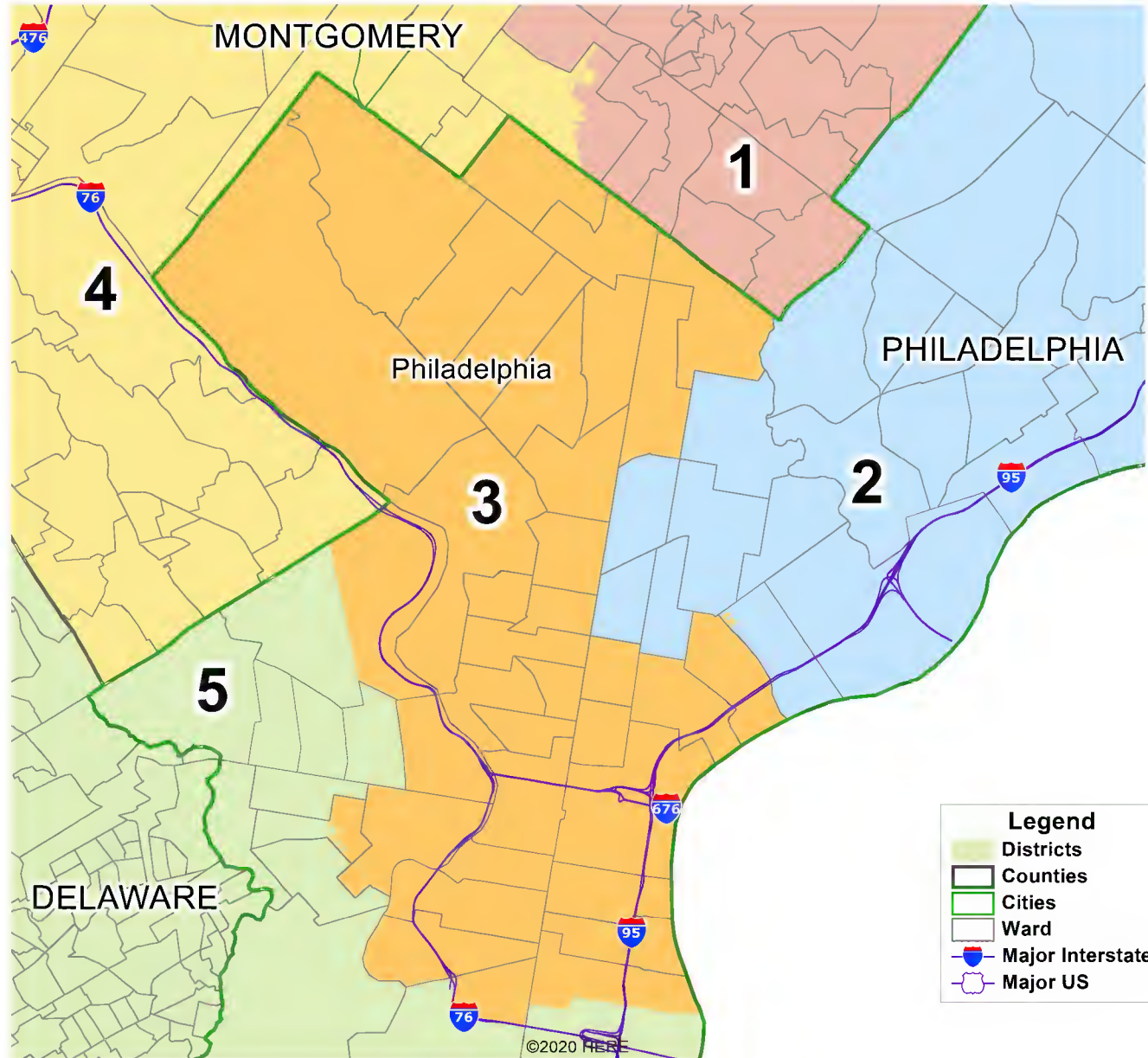
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 3

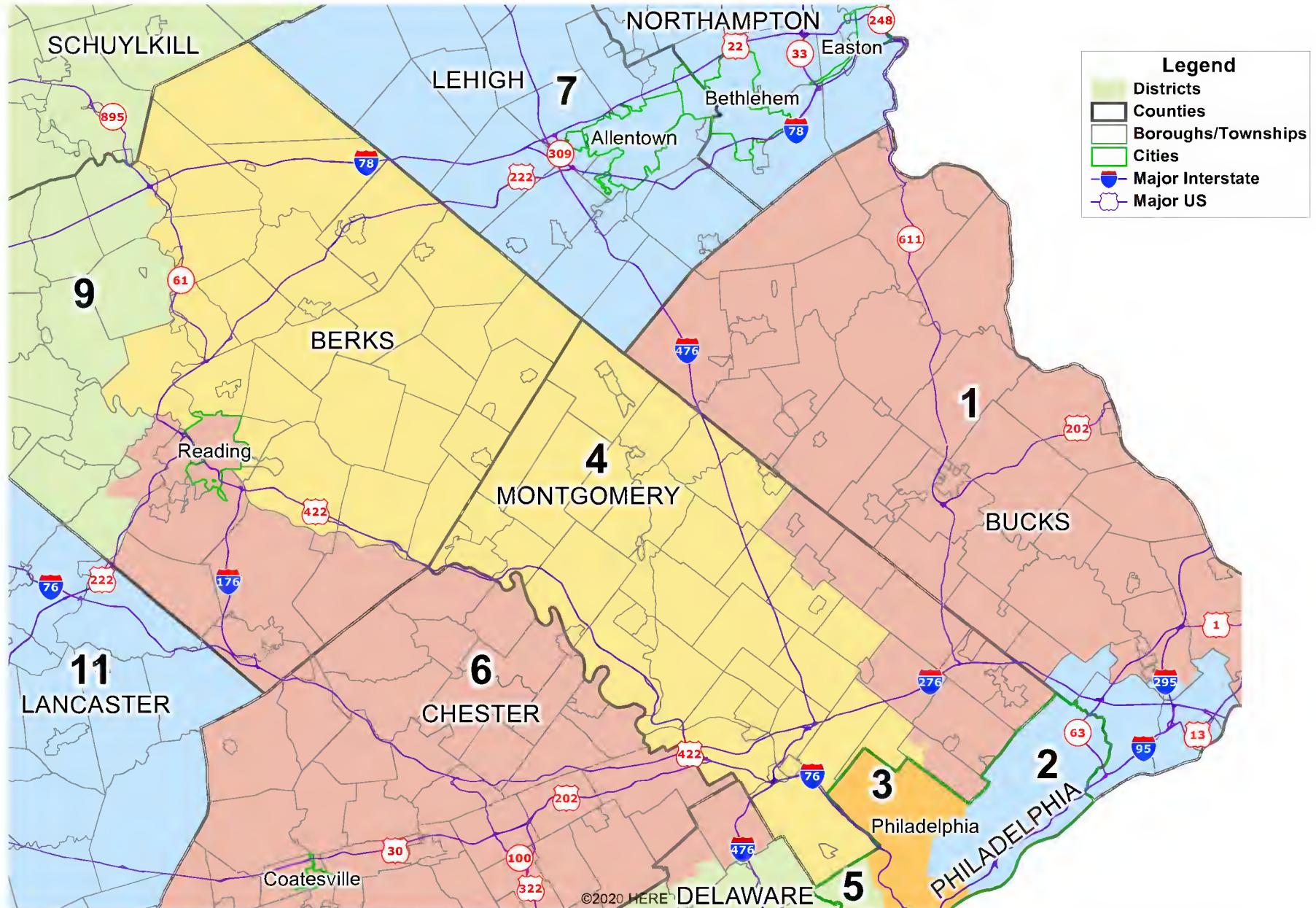
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 4

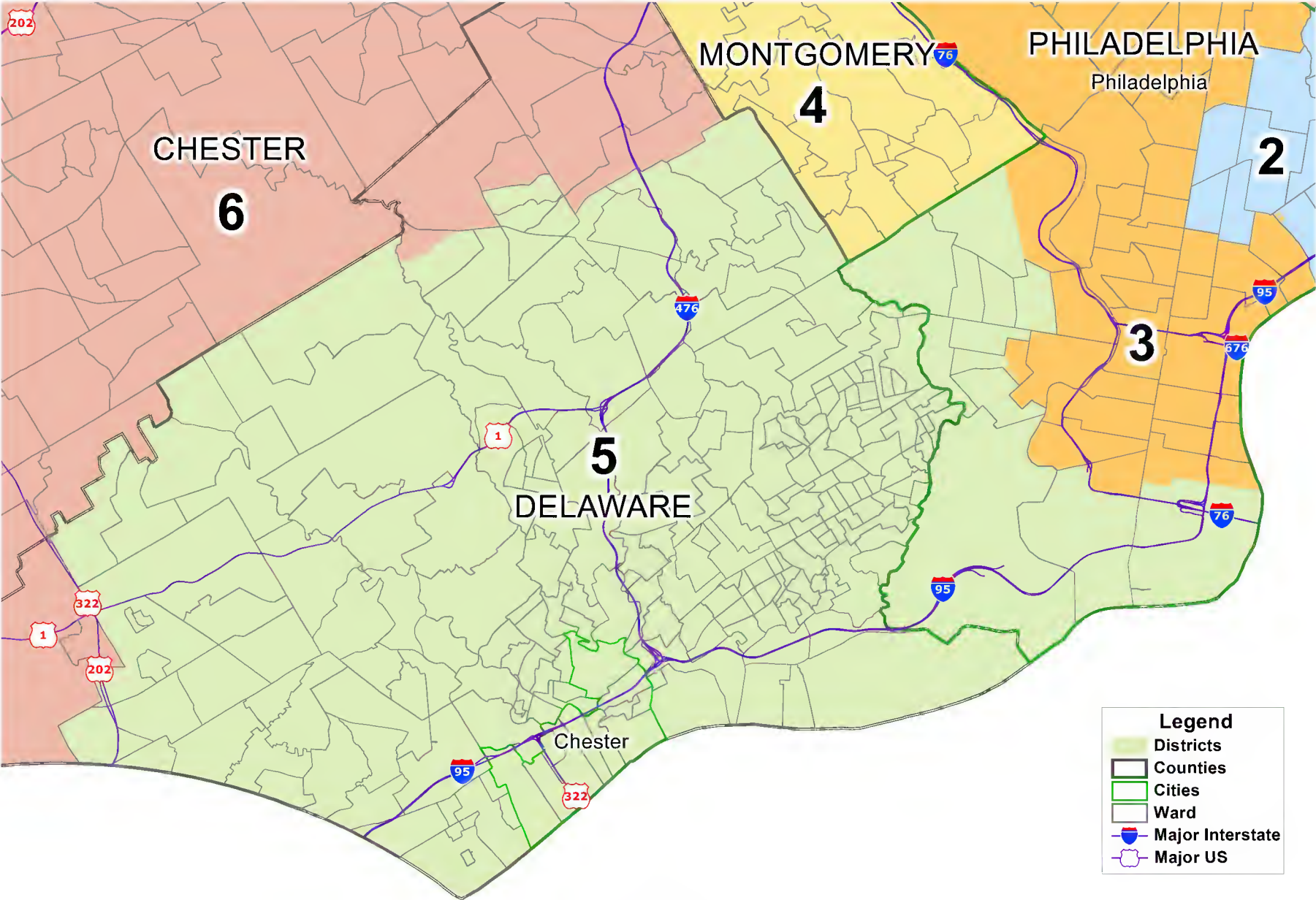
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 5

Submitted by Gressman Math/Science Petitioners

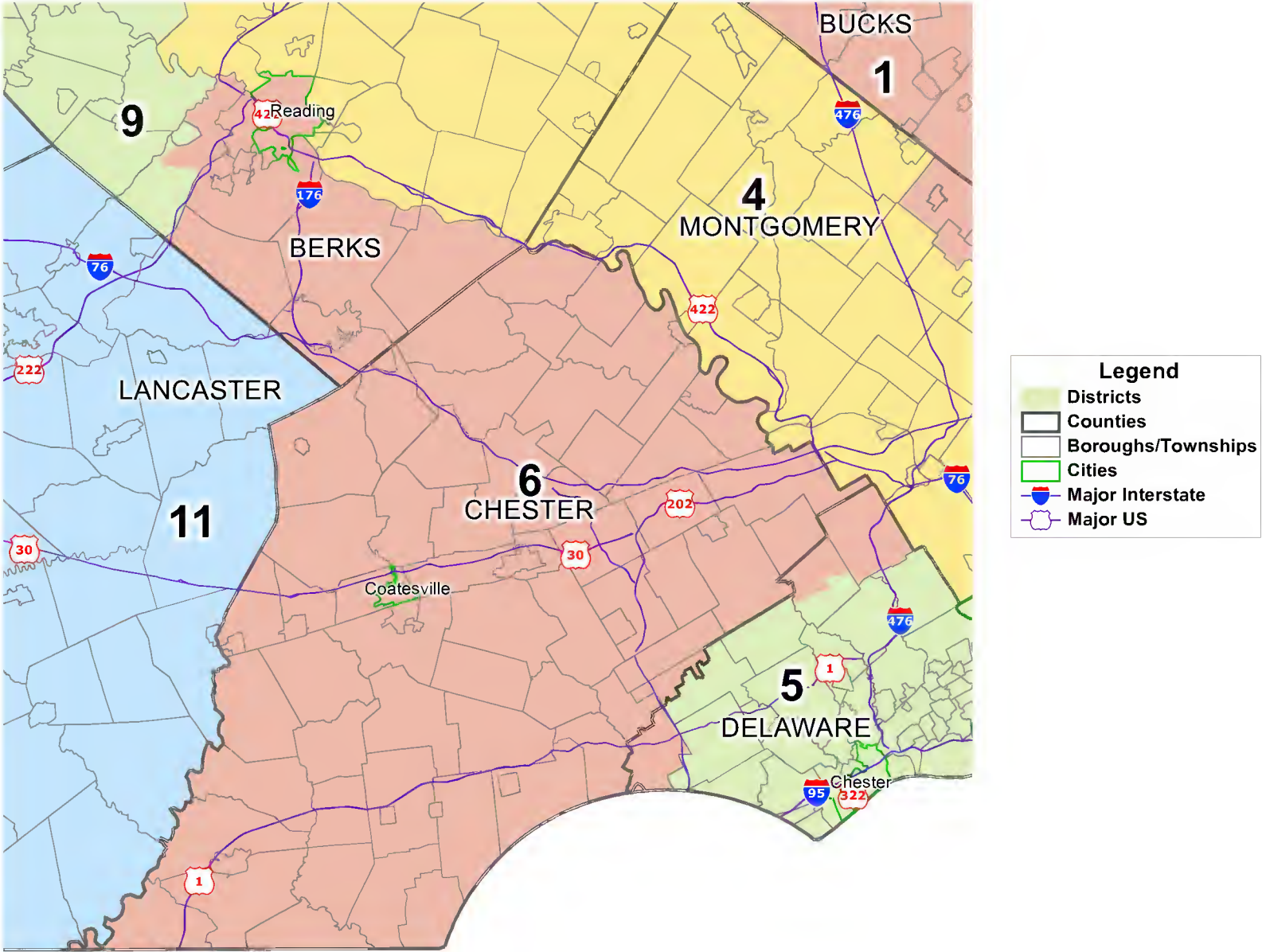


©2020 HERE

Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 6

Submitted by Gressman Math/Science Petitioners

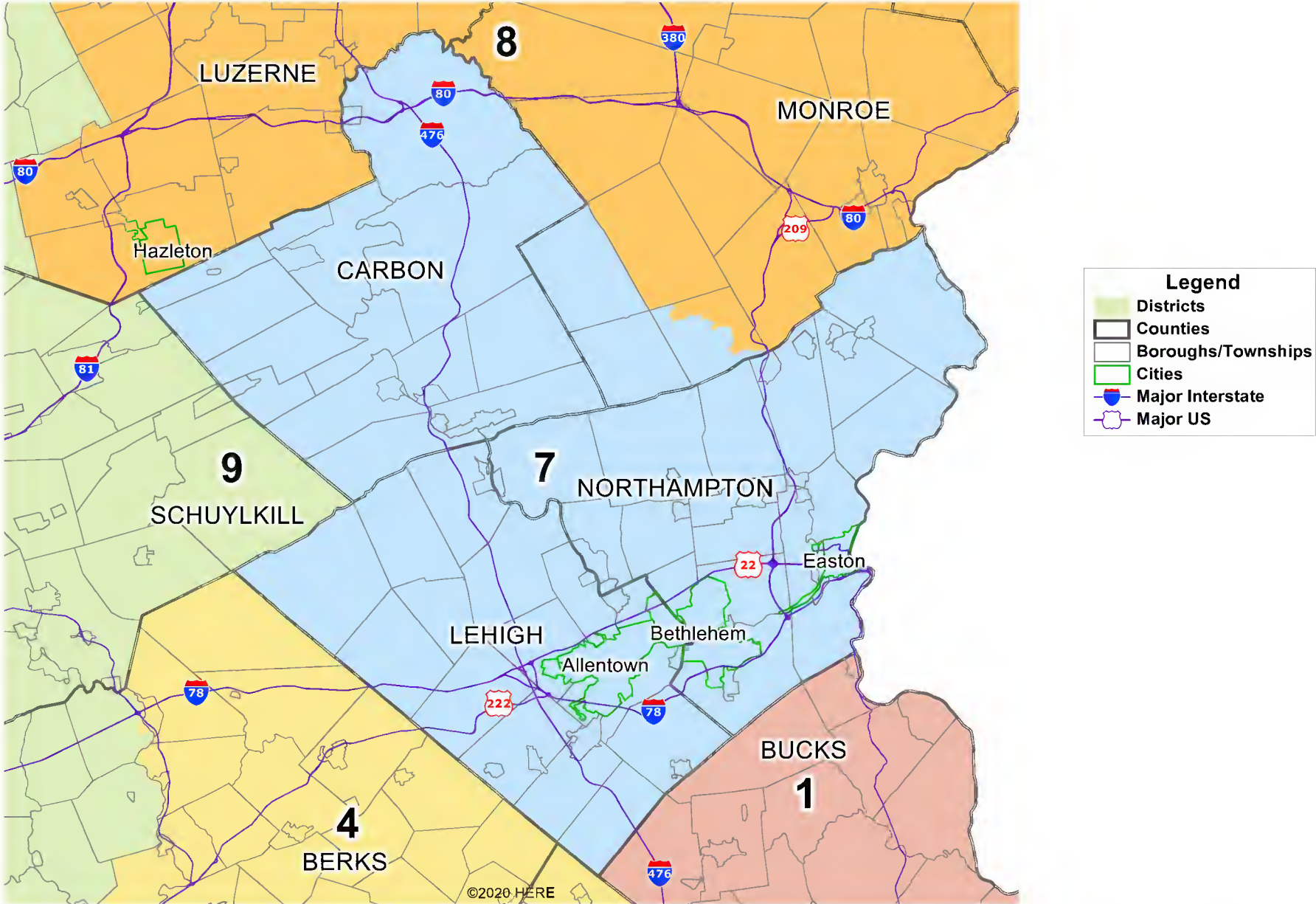


©2020 HERE

Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 7

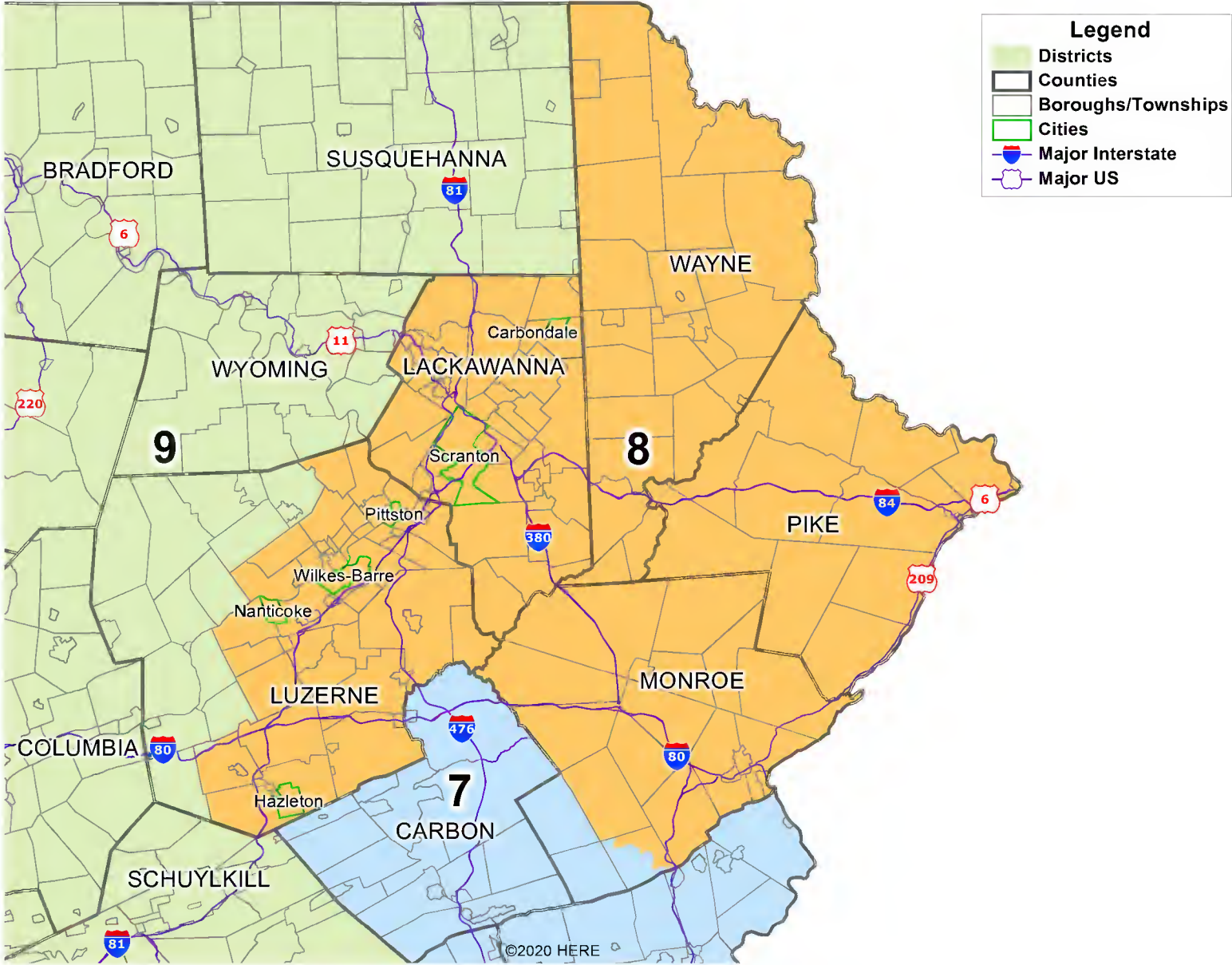
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 8

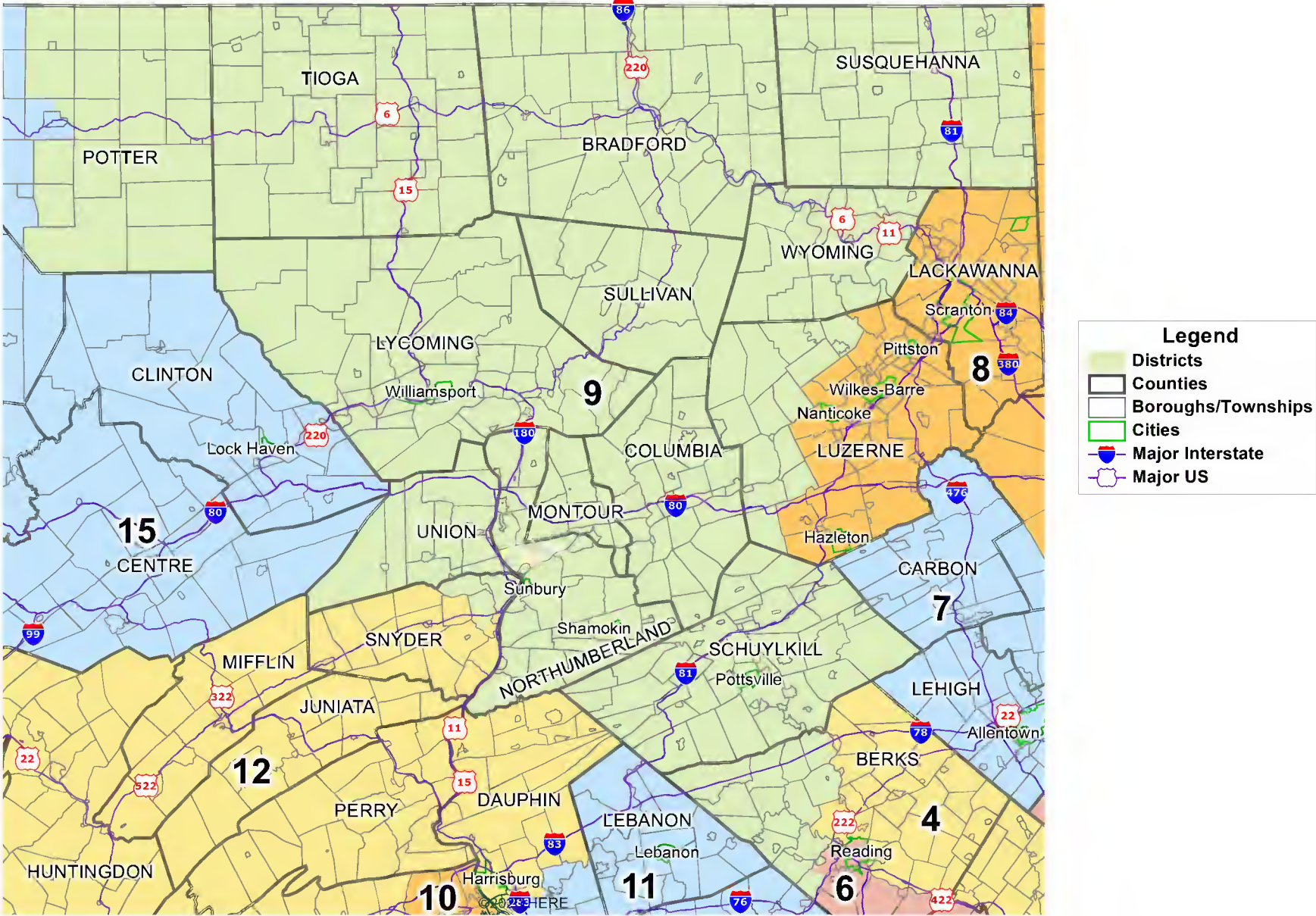
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 9

Submitted by Gressman Math/Science Petitioners



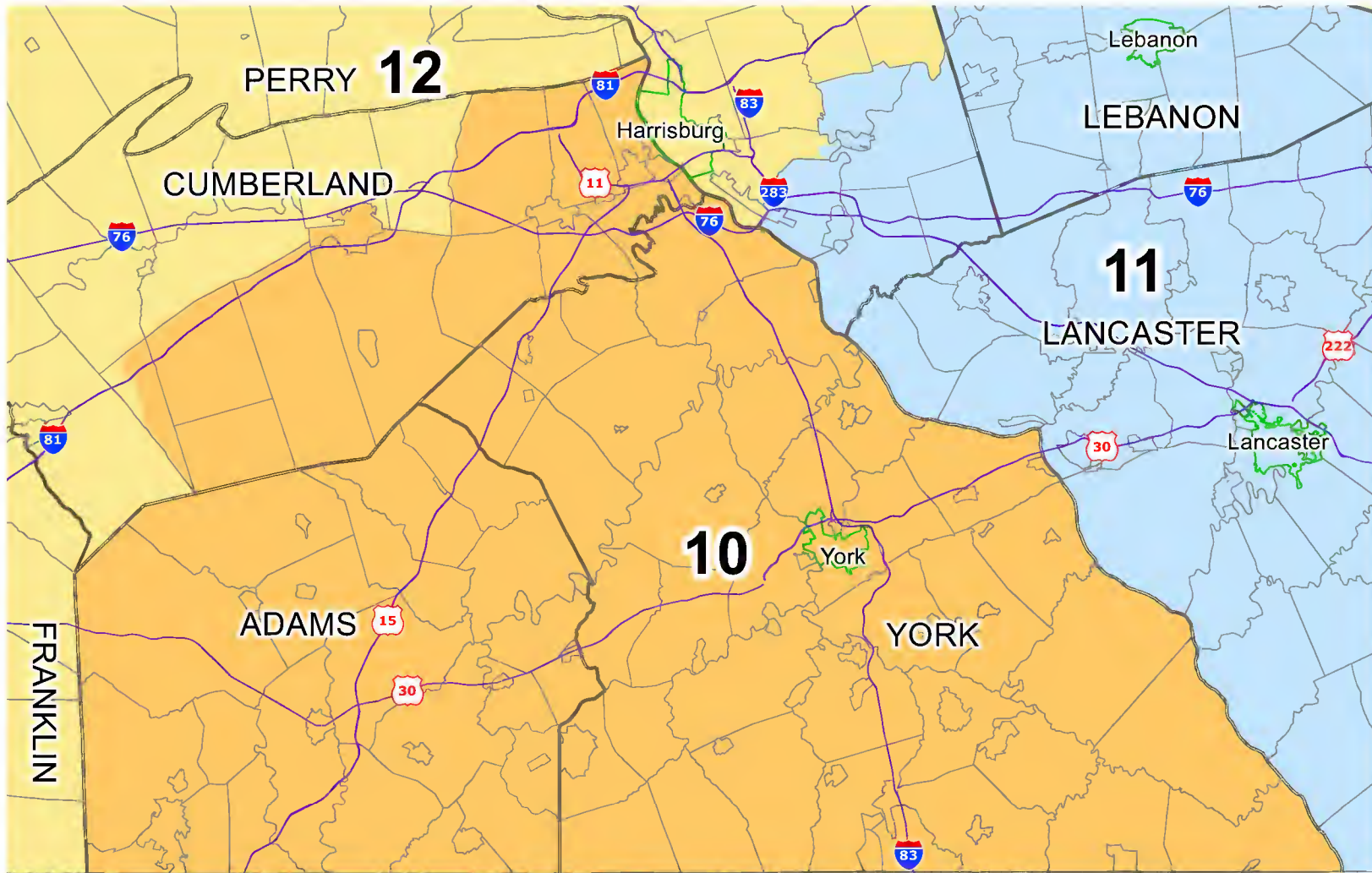
Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 10

Submitted by Gressman Math/Science Petitioners

Legend

- Districts
- Counties
- Boroughs/Townships
- Cities
- Major Interstate
- Major US

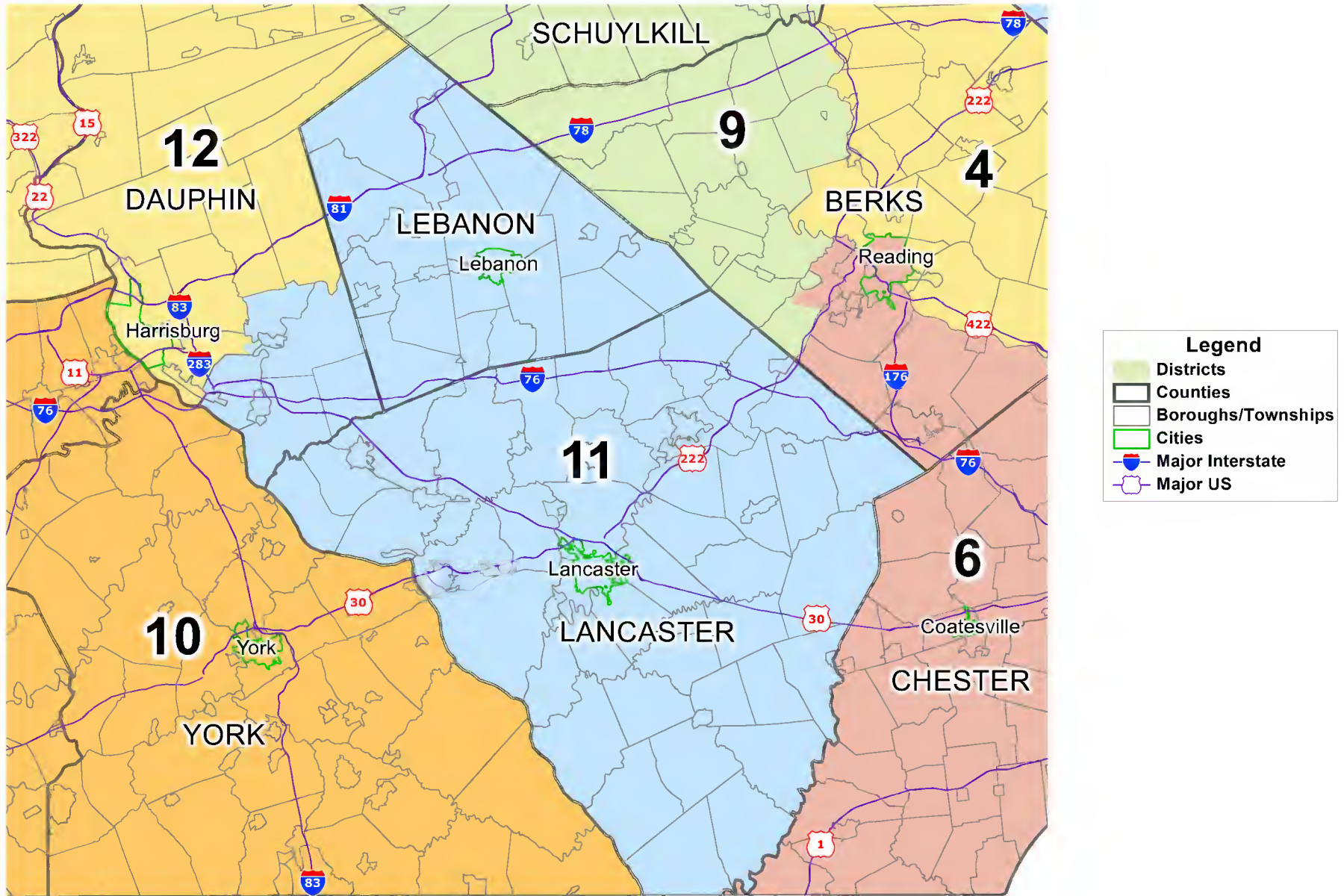


©2020 HERE

Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 11

Submitted by Gressman Math/Science Petitioners

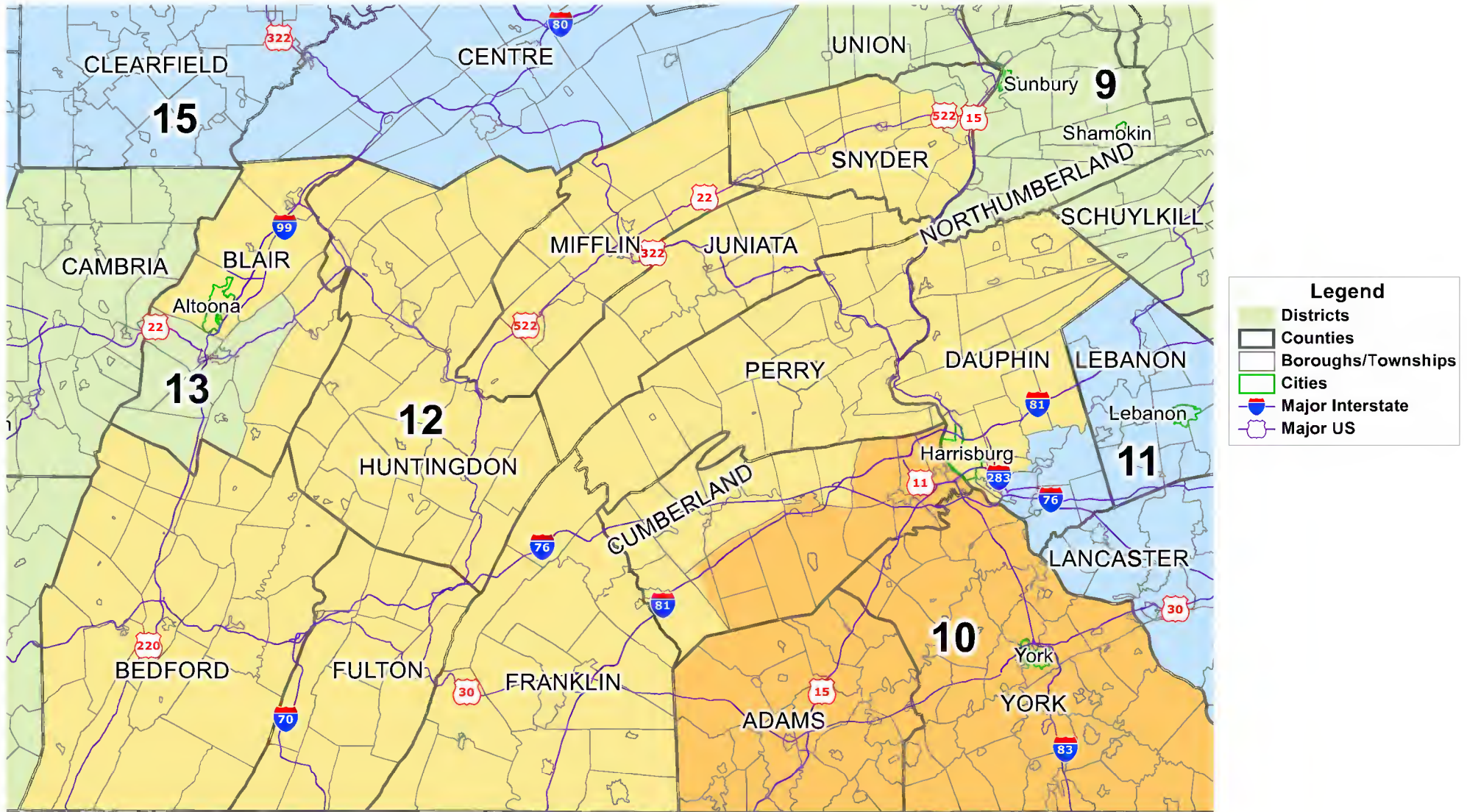


©2020 HERE

Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 12

Submitted by Gressman Math/Science Petitioners

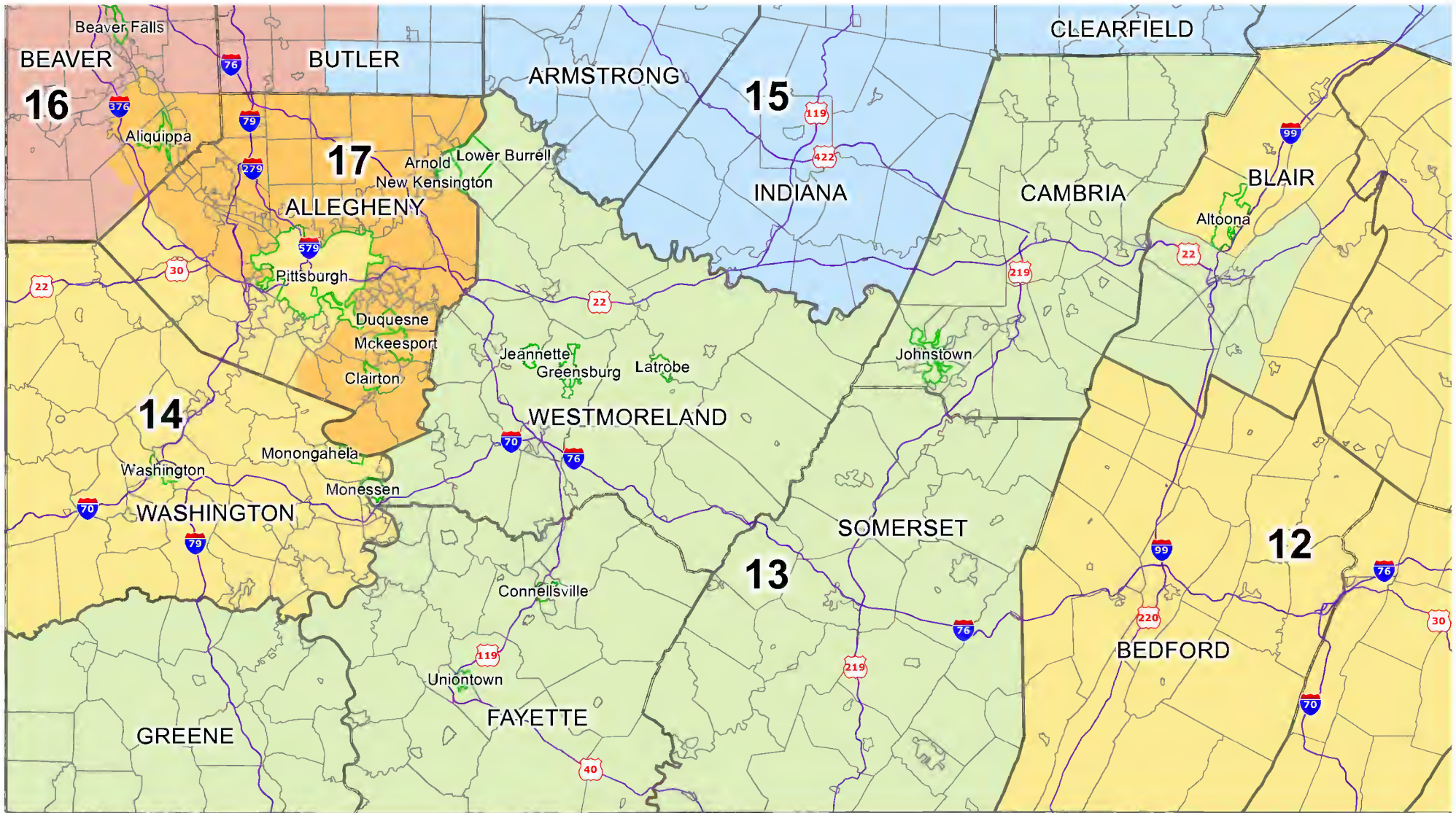
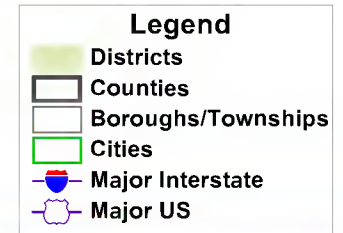


©2020 HERE

Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 13

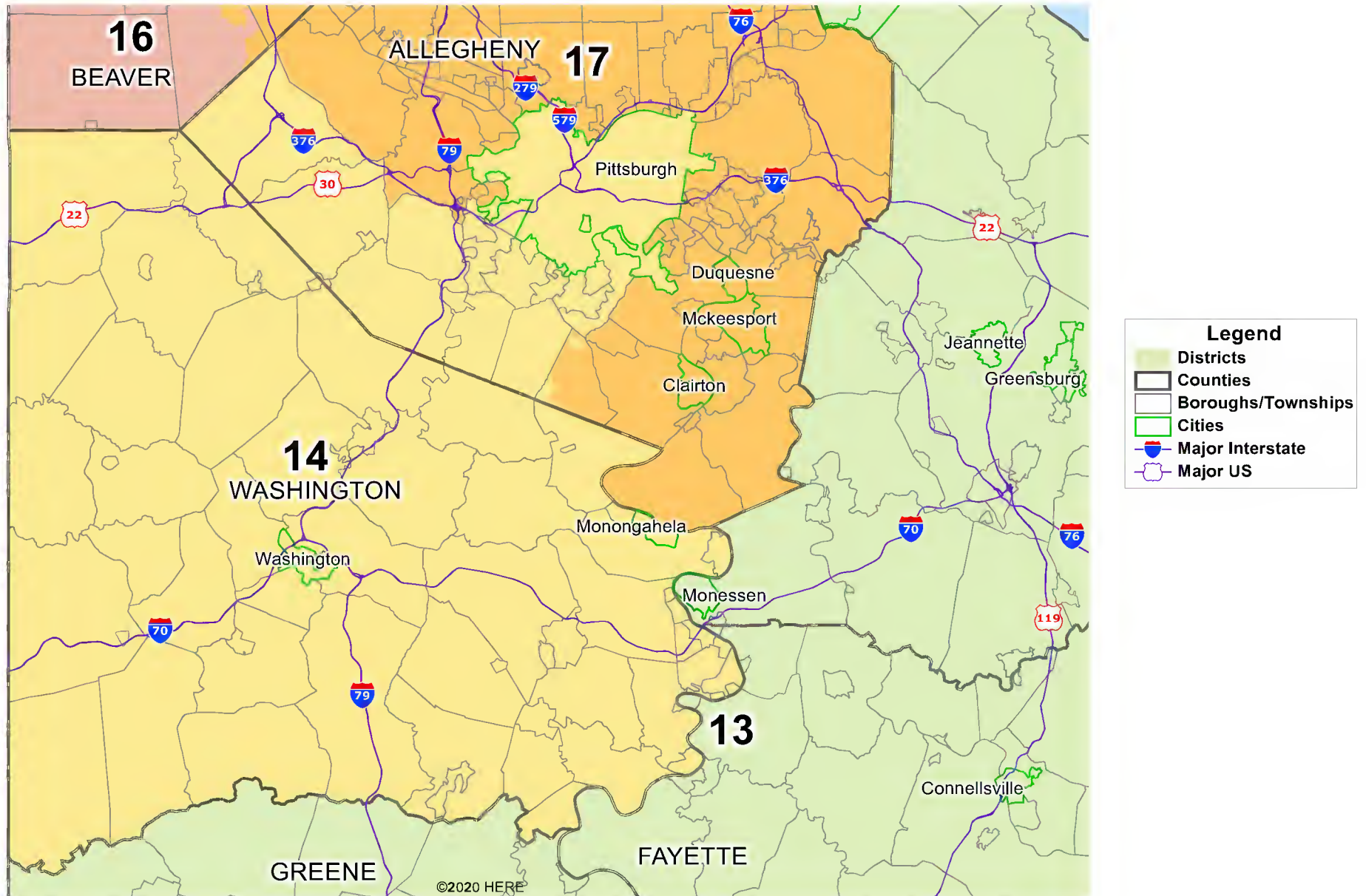
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 14

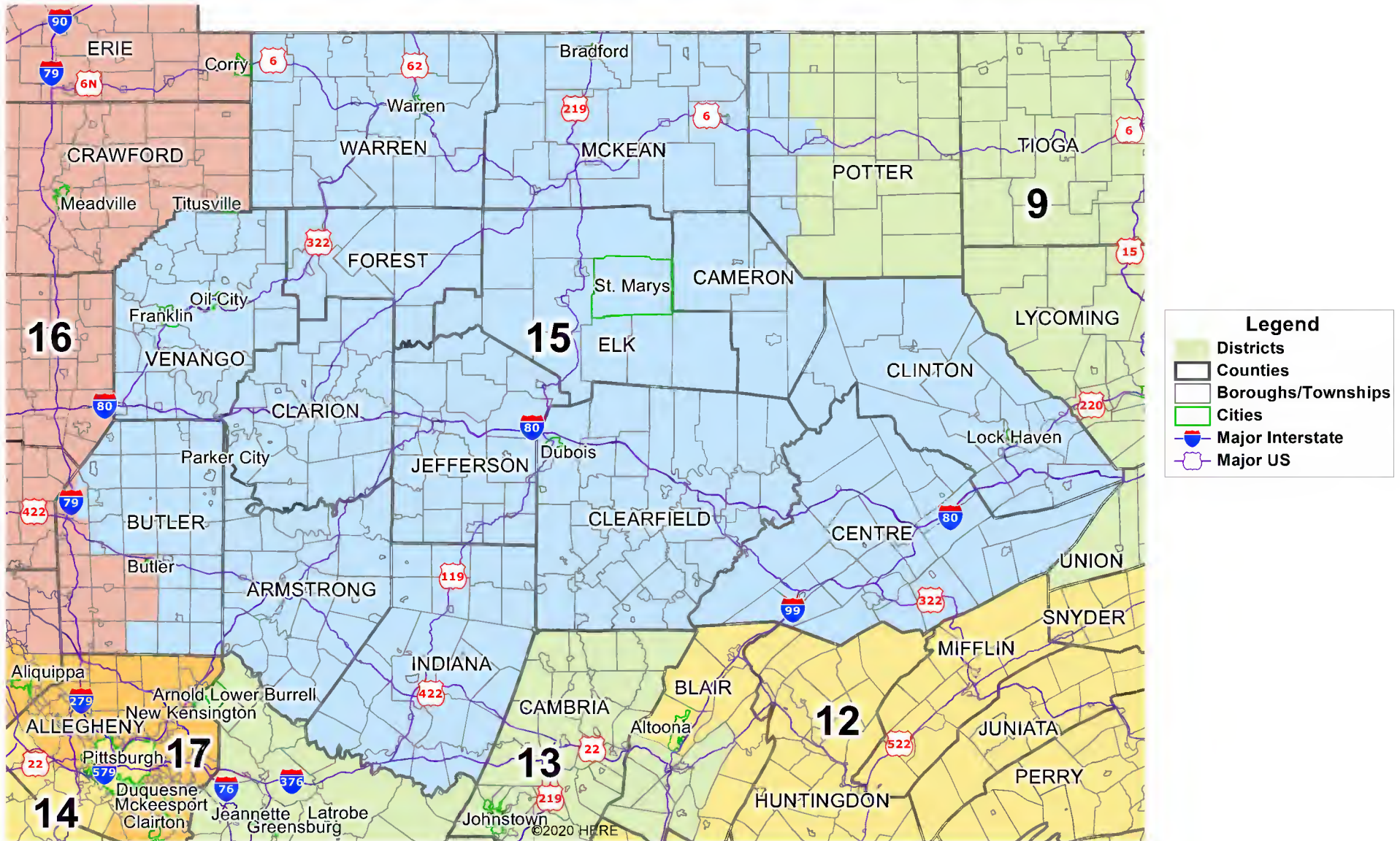
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

Proposed Congressional Map: District 15

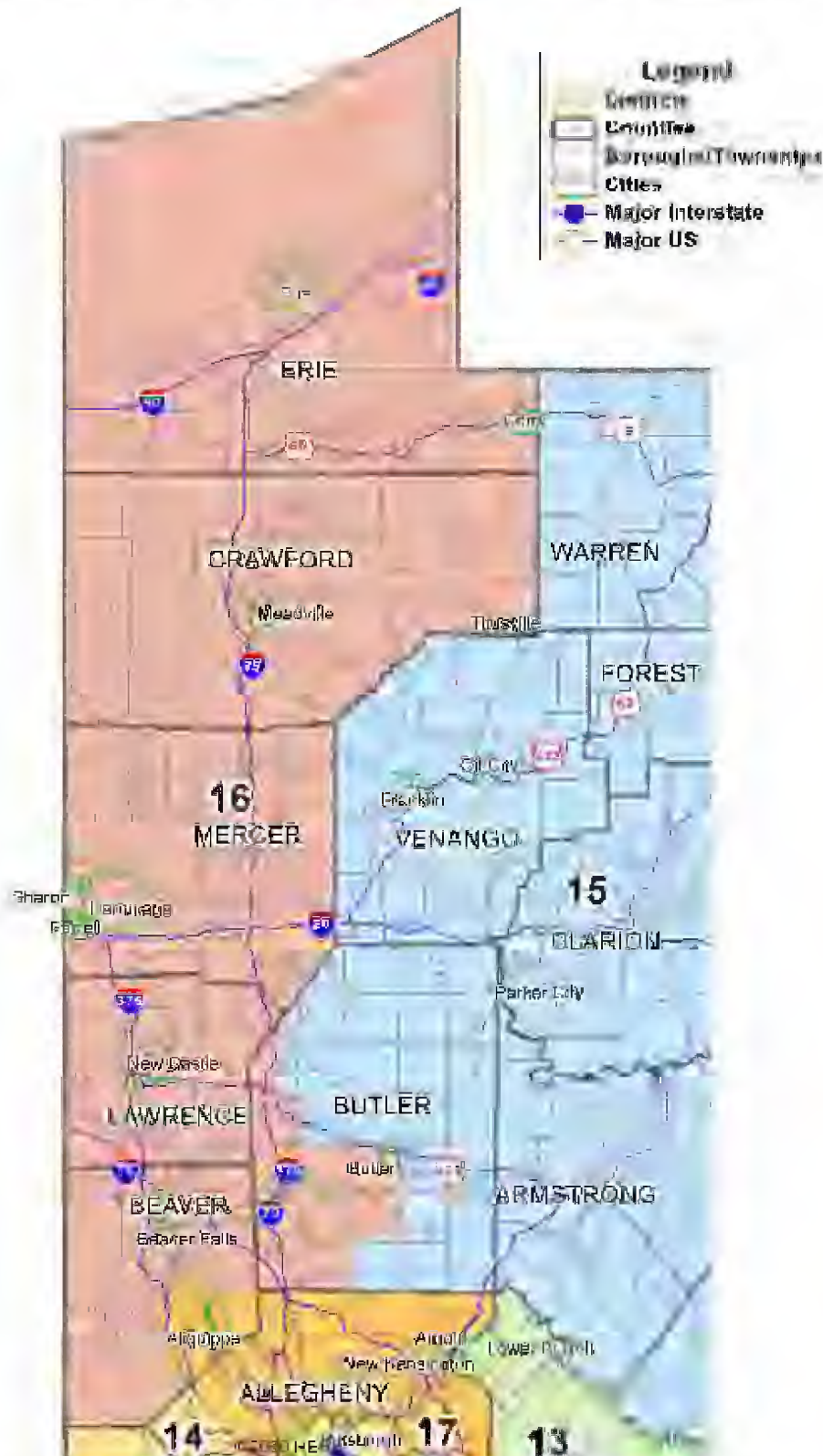
Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.

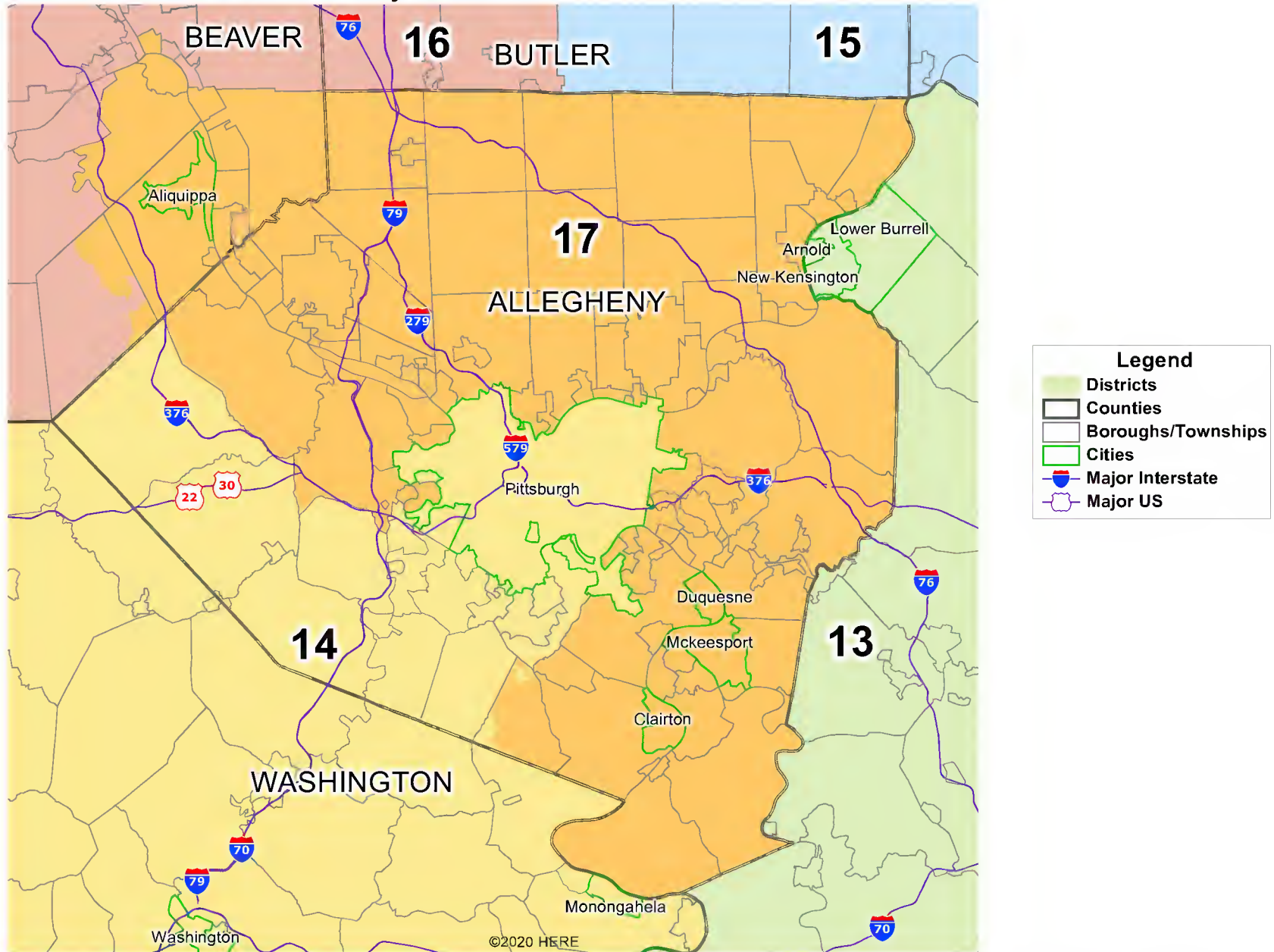
Proposed Congressional Map: District 16

Submitted by Grassman Math/Science Petitioners



Proposed Congressional Map: District 17

Submitted by Gressman Math/Science Petitioners



Carter v. Chapman, No. 464 M.D. 2021, and Gressman v. Chapman, No. 465 M.D. 2021.