

IN THE SUPREME COURT OF PENNSYLVANIA  
MIDDLE DISTRICT

---

DOCKET NO. 159 MM 2017

---

LEAGUE OF WOMEN VOTERS OF PENNSYLVANIA, ET AL.,  
Petitioners,  
v.  
THE COMMONWEALTH OF PENNSYLVANIA, ET AL.,  
Respondents.

---

**PROPOSED REDISTRICTING PLAN OF RESPONDENT,  
LT. GOVERNOR MICHAEL J. STACK, III**

---

Clifford B. Levine  
Pa. Id. No. 33507  
Alex M. Lacey  
Pa. Id. No. 313538  
Alice B. Mitinger  
Pa. Id. No. 56781  
Cohen & Grigsby, P.C.  
625 Liberty Avenue  
Pittsburgh, PA 15222-3152  
(412) 297-4900

Lazar M. Palnick  
Pa. Id. No. 52762  
1216 Heberton Street  
Pittsburgh, PA 15206  
(412) 661-3633

*On behalf of Respondent Michael J.  
Stack III, in his Capacity as Lieutenant  
Governor of Pennsylvania and President  
of the Pennsylvania Senate*

Respondent Stack, pursuant to this Court's January 22 and 26, 2018 Orders, files the attached documents with the Court:

- 1) Respondent Stack's Statewide Submission Map (the "Stack Map"), showing the addresses of incumbent representatives and the candidates for the special election in the 18<sup>th</sup> congressional district;
- 2) The corresponding narrative description for each proposed district;
- 3) The population per proposed district;
- 4) The measured compactness report for the proposed districts;
- 5) Enlarged portions of the Submission Map for Southeastern, Northeastern, and Southwestern Pennsylvania; and
- 6) County, municipality, ward, and precinct splits for the proposed map.

Pursuant to the Court's February 14, 2018 correspondence, census block data and ESRI shape files for the Stack Map are being sent to this Court via electronic mail.

Before this Court, Respondent Stack has emphasized Chen Figure 1 as a map, developed by Expert Witness Dr. Jowei Chen, that respects the neutral redistricting criteria set out in the Court's January 22 Order while also tracking

---

<sup>1</sup> See Respondent Stack's January 31, 2018 submission to this Court describing the mapping of those incumbent representatives and candidates.

Pennsylvania's historic communities of interest.<sup>2</sup> The Stack Map is based in large part on Chen Figure 1, but with certain modifications.

First, at trial, Dr. Chen noted that his simulations did not take into account the requirements of the Voting Rights Act, but that the Second Congressional District in the 2011 Plan was approximately 56.8% African American. (Pet. Ex. 1 at 33). Chen Figure 1 did not include a majority-minority district. (Pet. Ex. 3). The Stack Map includes a congressional district in Philadelphia that is approximately 58.7% African American.

Second, certain modifications were made to further protect communities of interest. For example, Chen Figure 1 places Monroe County with Northampton and parts of Lehigh County. The Stack Map includes a district that combines all of Northampton and Lehigh County with the majority of Carbon County, better reflecting the historical community of interest centered in the Allentown area. The Stack Map further includes Monroe County with Lackawanna County, creating a compact Northeastern District with common communities of interest.

Additionally, the Stack Map creates a compact Southwestern District with common communities of interest, including Southern Allegheny, Washington, Greene, and Fayette Counties.

---

<sup>2</sup> Chen Figure 1 was Dr. Chen's Simulation Set 1, Simulated Map No. 308. The Stack Illustrative Map presented to this Court simply renumbered the districts in that map to geographically correspond with district numbers in the 2011 Plan.

Third, having met the integral and primary criteria of equal population, contiguity, compactness, and respect for political subdivisions, the Stack Map includes certain minor adjustments that avoids placing congressional incumbents running for re-election in 2018 in separate districts. The following chart summarizes the treatment of incumbents:

District	Incumbent Representatives Running in 2018
1	None
2	Rep. Dwight Evans
3	Rep. Mike Kelly
4	Rep. Scott Perry
5	Rep. Glenn Thompson
6	Rep. Ryan Costello
7	None
8	Rep. Brian Fitzpatrick
9	None
10	Rep. Tom Marino
11	None
12	Rep. Keith Rothfus
13	Rep. Brendan Boyle



14	Rep. Mike Doyle
15	None
16	Rep. Lloyd Smucker
17	Rep. Matt Cartwright
18	None (But includes both candidates Michael Lamb and Rick Saccone running in the March 13, 2018 special election)

Respondent Stack has incorporated these adjustments to Chen Figure 1 while meeting the traditional criteria required by this Court. Chen Figure 1 splits 14 counties. The Stack Map similarly splits 14 counties. Chen Figure 1 has an average Reock Compactness Score of 0.442. The Stack Map has a mean Reock Compactness Score of 0.45. Both Chen Figure 1 and the Stack Map have a Polsby-Popper Compactness Score of 0.310. The Stack Map, therefore, meets the same criteria of one of the non-partisan computer generated maps offered in the litigation; preserves communities of interest; respects the integrity of political subdivisions, notably county governments; creates a majority-minority district under the Voting Rights Act and avoids the placements of two incumbents in the same district.

WHEREFORE, Respondent Stack submits this proposed districting plan for this Honorable Court's consideration.

Respectfully submitted,

/s/ Clifford B. Levine

Clifford B. Levine

Pa. Id. No. 33507

Alex M. Lacey

Pa. Id. No. 313538

Alice B. Mitinger

Pa. Id. No. 56781

Cohen & Grigsby, P.C.

Firm No. 621

625 Liberty Avenue

Pittsburgh, PA 15222-3152

(412) 297-4900

Lazar M. Palnick

Pa. Id. No. 52762

1216 Heberton Street

Pittsburgh, PA 15206

(412) 661-3633

*On behalf of Respondent Michael J.  
Stack III, in his Capacity as Lieutenant  
Governor of Pennsylvania and President  
of the Pennsylvania Senate*

Dated: February 15, 2018

**CERTIFICATE OF SERVICE**

I certify that on February 15, 2018 a copy of the foregoing PROPOSED REDISTRICTING PLAN was sent to all counsel of record electronically via the PACFile system, with a certificate of service to be generated thereby.

/s/ Clifford B. Levine

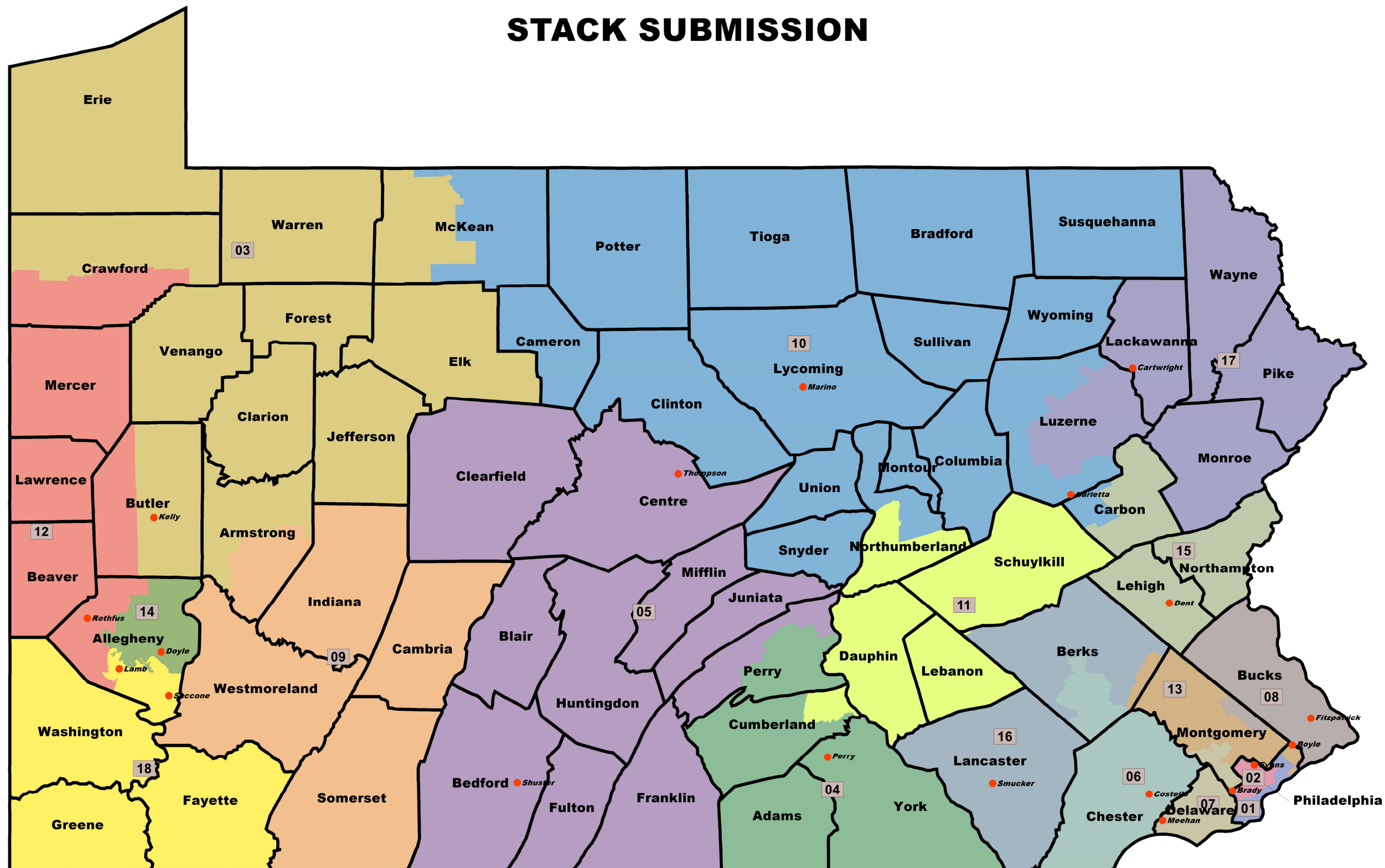
**CERTIFICATE OF COMPLIANCE**

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

/s/ Clifford B. Levine

# EXHIBIT 1

# STACK SUBMISSION



# EXHIBIT 2

LEGISLATIVE DATA PROCESSING CENTER

COMPOSITE LISTING

OF

CONGRESSIONAL DISTRICTS

DISTRICT NUMBER

DESCRIPTION

Dist. 01 PHILADELPHIA County.  
Part of PHILADELPHIA County consisting of the CITY of Philadelphia (PART, Wards 01, 02, 03, 05, 08, 14, 18, 25, 26, 27, 30, 31, 34 [PART, Divisions 01 (all blocks except 2005 of tract 009600), 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41 and 42], 36, 39, 40, 41, 45, 46, 48, 51, 54, 55, 56, 57, 62, 63, 64 and 65 [PART, Divisions 12, 13, 14, 15, 16 (only blocks 2001 and 3001 of tract 032900), 17, 19, 21 and 22]).  
Total population: 705,687

Dist. 02 PHILADELPHIA County.  
Part of PHILADELPHIA County consisting of the CITY of Philadelphia (PART, Wards 04, 06, 07, 09, 10, 11, 12, 13, 15, 16, 17, 19, 20, 21, 22, 23, 24, 28, 29, 32, 33, 34 [PART, Division 01 (only block 2005 of tract 009600)], 35, 37, 38, 42, 43, 44, 47, 49, 50, 52, 53, 59, 60 and 61).  
Total population: 705,688

CONGRESSIONAL DISTRICTS

Dist. 03    ARMSTRONG, BUTLER, CLARION, CRAWFORD, ELK, ERIE, FOREST, JEFFERSON, MCKEAN, VENANGO and WARREN Counties.

Part of ARMSTRONG County consisting of the CITY of Parker City and the TOWNSHIPS of Boggs, Bradys Bend, Cadogan, Cowanshannock (PART, District Eastern (only blocks 1000, 1001, 1002, 1003, 1005, 1014, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3013, 3014, 3015, 3016, 3019 and 3020 of tract 950700)), East Franklin, Gilpin, Hovey, Madison, Mahoning, North Buffalo, Perry, Pine, Rayburn, Redbank, South Buffalo, Sugarcreek, Valley, Washington, Wayne and West Franklin and the BOROUGHs of Applewold, Dayton, Freeport, Kittanning, Leechburg, South Bethlehem, West Kittanning and Worthington; Part of BUTLER County consisting of the CITY of Butler and the TOWNSHIPS of Allegheny, Buffalo, Butler, Center, Cherry, Clay, Clearfield, Clinton, Concord, Donegal, Fairview, Jefferson, Marion, Middlesex, Oakland, Parker, Penn, Summit, Venango, Washington and Winfield and the BOROUGHs of Bruin, Cherry Valley, Chicora, East Butler, Eau Claire, Fairview, Karns City, Petrolia, Saxonburg and West Sunbury; All of CLARION County; Part of CRAWFORD County consisting of the CITY of Titusville and the TOWNSHIPS of Athens, Beaver, Bloomfield, Cambridge, Conneaut, Cussewago, Hayfield, Oil Creek, Richmond, Rockdale, Rome, Sparta, Spring, Steuben, Summerhill, Summit, Venango, Vernon (PART, Districts 01 (only blocks 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1020, 1021, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030 and 1031 of tract 111800) and 02 (only blocks 1017, 4000, 4001, 4002, 4003, 4004, 4005, 4006 and 4007 of tract 111800)) and Woodcock and the BOROUGHs of Blooming Valley, Cambridge Springs, Centerville, Conneautville, Hydetown, Saegertown, Spartansburg, Springboro, Townville, Venango and Woodcock; All of ELK County; All of ERIE County; All of FOREST County; All of JEFFERSON County; Part of MCKEAN County consisting of the CITY of Bradford and the TOWNSHIPS of Bradford, Corydon, Foster (PART, District 03 (only blocks 2046, 2081 and 2103 of tract 420100)), Hamilton, Hamlin, Lafayette and Wetmore and the BOROUGHs of Kane, Lewis



CONGRESSIONAL DISTRICTS

Run and Mount Jewett; All of VENANGO County and All of WARREN County.

Total population: 705,688

Dist. 04 ADAMS, CUMBERLAND, PERRY and YORK Counties.  
All of ADAMS County; Part of CUMBERLAND County consisting of the TOWNSHIPS of Cooke, Dickinson, Hopewell, Lower Allen (PART, Precincts 02, 03, 04 (all blocks except 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009 and 1010 of tract 010900) and 05), Lower Frankford, Lower Mifflin, Middlesex, Monroe, North Middleton, North Newton, Penn, Shippensburg, South Middleton, South Newton, Southampton, Upper Allen, Upper Frankford, Upper Mifflin and West Pennsboro and the BOROUGHS of Carlisle, Mount Holly Springs, Newburg, Newville and Shippensburg (Cumberland County Portion); Part of PERRY County consisting of the TOWNSHIPS of Buffalo (only blocks 1062, 1064, 1066, 1067, 1075 and 1076 of tract 030201), Carroll, Centre, Howe, Juniata, Miller, Oliver, Penn, Rye, Spring, Tyrone, Watts and Wheatfield and the BOROUGHS of Bloomfield, Duncannon, Landisburg, Marysville, New Buffalo and Newport and All of YORK County.  
Total population: 705,687

Dist. 05 BEDFORD, BLAIR, CENTRE, CLEARFIELD, FRANKLIN, FULTON, HUNTINGDON, JUNIATA, MIFFLIN and PERRY Counties.  
All of BEDFORD County; All of BLAIR County; All of CENTRE County; All of CLEARFIELD County; All of FRANKLIN County; All of FULTON County; All of HUNTINGDON County; All of JUNIATA County; All of MIFFLIN County and Part of PERRY County consisting of the TOWNSHIPS of Buffalo (all blocks except 1062, 1064, 1066, 1067, 1075 and 1076 of tract 030201), Greenwood, Jackson, Liverpool, North East Madison, Saville, South West Madison, Toboyne and Tuscarora and the BOROUGHS of Blain, Liverpool and Millerstown.  
Total population: 705,688

CONGRESSIONAL DISTRICTS

Dist. 06    BERKS and CHESTER Counties.  
Part of BERKS County consisting of the CITY of Reading and the TOWNSHIPS of Amity, Brecknock, Caernarvon, Cumru, Earl (PART, Districts 01 and 02 (all blocks except 4000, 4052, 4055, 4056, 4057, 4058, 4059, 4060, 4061, 4062, 4063 and 4064 of tract 013000)), Exeter, Lower Alsace, Oley, Robeson and Union and the BOROUGHS of Birdsboro, Kenhorst, Mohnton, Mount Penn, New Morgan, Shillington, St. Lawrence, West Reading and Wyomissing (PART, Districts 01, 02, 03, 04 and 05 (only blocks 1000, 1001, 1002, 1003, 1004, 1005, 1009, 1010, 1011, 1012, 1013, 1014, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1029, 2007 and 2008 of tract 011000)) and Part of CHESTER County consisting of the CITY of Coatesville and the TOWNSHIPS of Birmingham (PART, Precincts 01 and 02 (all blocks except 1044 and 1045 of tract 303100)), Caln, Charlestown, East Bradford, East Brandywine, East Caln, East Coventry, East Fallowfield, East Goshen, East Marlborough, East Nantmeal, East Nottingham, East Pikeland, East Vincent, East Whiteland, Easttown, Elk, Franklin, Highland, Honey Brook, Kennett, London Britain, London Grove, Londonderry, Lower Oxford, New Garden, New London, Newlin, North Coventry, Penn, Pennsbury, Pocopson, Sadsbury, Schuylkill, South Coventry, Thornbury, Tredyffrin, Upper Oxford, Upper Uwchlan, Uwchlan, Valley, Wallace, Warwick, West Bradford, West Brandywine, West Caln, West Fallowfield, West Goshen, West Marlborough, West Nantmeal, West Nottingham, West Pikeland, West Sadsbury, West Vincent, West Whiteland, Westtown and Willistown and the BOROUGHS of Atglen, Avondale, Downingtown, Elverson, Honey Brook, Kennett Square, Malvern, Modena, Oxford, Parkesburg, Phoenixville, South Coatesville, Spring City, West Chester and West Grove.

Total population: 705,688

CONGRESSIONAL DISTRICTS

- Dist. 07      CHESTER, DELAWARE and MONTGOMERY Counties.  
Part of CHESTER County consisting of the TOWNSHIP of Birmingham (PART, Precinct 02 (only blocks 1044 and 1045 of tract 303100)); All of DELAWARE County and Part of MONTGOMERY County consisting of the TOWNSHIPS of Lower Merion, Plymouth (PART, Districts 01, 02 [PART, Divisions 01 (only blocks 1001, 1002, 1003, 1018 and 1019 of tract 204010), 02, 03A, 03B and 03C], 03 and 04) and Upper Merion and the BOROUGHs of Bridgeport, Narberth, Norristown and West Conshohocken.  
Total population: 705,688
- Dist. 08      BUCKS and MONTGOMERY Counties.  
All of BUCKS County and Part of MONTGOMERY County consisting of the TOWNSHIPS of Hatfield (PART, Districts 01, 02 [PART, Divisions 01 (all blocks except 1003, 1004, 1015, 1016, 2024, 2033 and 2036 of tract 200707) and 02], 04 [PART, Division 02] and 05), Horsham and Montgomery and the BOROUGHs of Hatfield and Lansdale.  
Total population: 705,688
- Dist. 09      ARMSTRONG, CAMBRIA, INDIANA, SOMERSET and WESTMORELAND Counties.  
Part of ARMSTRONG County consisting of the TOWNSHIPS of Bethel, Burrell, Cowanshannock (PART, Districts Eastern (all blocks except 1000, 1001, 1002, 1003, 1005, 1014, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3013, 3014, 3015, 3016, 3019 and 3020 of tract 950700), Sagamore and Western), Kiskiminetas, Kittanning, Manor, Parks, Plumcreek and South Bend and the BOROUGHs of Apollo, Atwood, Elderton, Ford City, Ford Cliff, Manorville, North Apollo and Rural Valley; All of CAMBRIA County; All of INDIANA County; All of SOMERSET County and All of WESTMORELAND County.  
Total population: 705,688

CONGRESSIONAL DISTRICTS

Dist. 10 BRADFORD, CAMERON, CARBON, CLINTON, COLUMBIA, LUZERNE, LYCOMING, MCKEAN, MONTOUR, NORTHUMBERLAND, POTTER, SNYDER, SULLIVAN, SUSQUEHANNA, TIOGA, UNION and WYOMING Counties.

All of BRADFORD County; All of CAMERON County; Part of CARBON County consisting of the TOWNSHIPS of Banks, Lausanne and Packer and the BOROUGHS of Beaver Meadows, Lansford (PART, District West (only blocks 1021, 1022, 1023, 1026, 1027, 1030, 1038, 2014 and 2015 of tract 020400)) and Nesquehoning; All of CLINTON County; All of COLUMBIA County; Part of LUZERNE County consisting of the CITY of Hazleton and the TOWNSHIPS of Black Creek, Dallas, Exeter, Fairmount, Foster, Franklin, Hazle, Hunlock, Huntington, Jackson, Kingston (PART, Districts 02 and 03 (all blocks except 2018, 2019, 2020, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 4024 and 6055 of tract 211400)), Lake, Lehman, Nescopeck, Ross, Salem, Sugarloaf and Union and the BOROUGHS of Conyngham, Dallas, Freeland, Harveys Lake, Jeddo, Nescopeck, New Columbus, Shickshinny, West Hazleton and White Haven; All of LYCOMING County; Part of MCKEAN County consisting of the TOWNSHIPS of Annin, Ceres, Eldred, Foster (PART, Districts 01, 02, 03 (all blocks except 2046, 2081 and 2103 of tract 420100) and 04), Keating, Liberty, Norwich, Otto and Sergeant and the BOROUGHS of Eldred, Port Allegany and Smethport; All of MONTOUR County; Part of NORTHUMBERLAND County consisting of the TOWNSHIPS of Delaware, East Chillisquaque, Lewis, Point, Ralpho, Rush, Shamokin (all blocks except 5029, 5030, 5033, 5034 and 5051 of tract 080800), Turbot and West Chillisquaque and the BOROUGHS of McEwensville, Milton, Northumberland, Riverside, Snyderstown, Turbotville and Watsontown; All of POTTER County; All of SNYDER County; All of SULLIVAN County; All of SUSQUEHANNA County; All of TIOGA County; All of UNION County and All of WYOMING County.

Total population: 705,688

CONGRESSIONAL DISTRICTS

Dist. 11    BERKS, CUMBERLAND, DAUPHIN, LEBANON, NORTHUMBERLAND  
and SCHUYLKILL Counties.  
Part of BERKS County consisting of the TOWNSHIP of  
Bethel (only blocks 2006, 2007, 2008 and 2009 of tract  
010100); Part of CUMBERLAND County consisting of the  
TOWNSHIPS of East Pennsboro, Hampden, Lower Allen  
(PART, Precincts 01, 04 (only blocks 1000, 1001, 1002,  
1003, 1004, 1005, 1006, 1007, 1008, 1009 and 1010 of  
tract 010900) and 06) and Silver Spring and the  
BOROUGHS of Camp Hill, Lemoyne, Mechanicsburg, New  
Cumberland, Shiremanstown and Wormleysburg; All of  
DAUPHIN County; All of LEBANON County; Part of  
NORTHUMBERLAND County consisting of the CITIES of  
Shamokin and Sunbury and the TOWNSHIPS of Coal, East  
Cameron, Jackson, Jordan, Little Mahanoy, Lower  
Augusta, Lower Mahanoy, Mount Carmel, Rockefeller,  
Shamokin (only blocks 5029, 5030, 5033, 5034 and 5051  
of tract 080800), Upper Augusta, Upper Mahanoy,  
Washington, West Cameron and Zerbe and the BOROUGHS  
of Herndon, Kulpmont, Marion Heights and Mount Carmel  
and All of SCHUYLKILL County.  
Total population: 705,688

CONGRESSIONAL DISTRICTS

Dist. 12 ALLEGHENY, BEAVER, BUTLER, CRAWFORD, LAWRENCE and MERCER Counties.

Part of ALLEGHENY County consisting of the TOWNSHIPS of Aleppo, Collier, Crescent, Findlay, Kilbuck, Leet, Marshall, McCandless (PART, Wards 01, 02, 03, 04, 05 [PART, Divisions 01, 02 and 03 (all blocks except 1003, 1013, 1014, 1015, 1016, 1022 and 1028 of tract 413300)] and 06 [PART, Division 01]), Moon, Neville, North Fayette, Ohio, Pine, Richland, Robinson, South Fayette and Upper St. Clair (PART, Wards 01 [PART, Division 02 (only blocks 1021 and 1022 of tract 474201 and blocks 2032, 2033 and 2034 of tract 474202)], 03, 04 and 05) and the BOROUGHs of Avalon, Bell Acres, Ben Avon, Ben Avon Heights, Bradford Woods, Coraopolis, Edgeworth, Emsworth, Franklin Park, Glen Osborne, Glenfield, Haysville, Leetsdale, McDonald (Allegheny County Portion), Oakdale, Pennsbury Village, Sewickley, Sewickley Heights and Sewickley Hills; All of BEAVER County; Part of BUTLER County consisting of the TOWNSHIPS of Adams, Brady, Connoquenessing, Cranberry, Forward, Franklin, Jackson, Lancaster, Mercer, Muddycreek, Slippery Rock and Worth and the BOROUGHs of Callery, Connoquenessing, Evans City, Harmony, Harrisville, Mars, Portersville, Prospect, Seven Fields, Slippery Rock, Valencia, West Liberty and Zelienople; Part of CRAWFORD County consisting of the CITY of Meadville and the TOWNSHIPS of East Fairfield, East Fallowfield, East Mead, Fairfield, Greenwood, North Shenango, Pine, Randolph, Sadsbury, South Shenango, Troy, Union, Vernon (PART, Districts 01 (all blocks except 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1020, 1021, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030 and 1031 of tract 111800) and 02 (all blocks except 1017, 4000, 4001, 4002, 4003, 4004, 4005, 4006 and 4007 of tract 111800)), Wayne, West Fallowfield, West Mead and West Shenango and the BOROUGHs of Cochranon, Conneaut Lake and Linesville; All of LAWRENCE County and All of MERCER County.

Total population: 705,687

CONGRESSIONAL DISTRICTS

Dist. 13    BERKS, MONTGOMERY and PHILADELPHIA Counties.  
Part of BERKS County consisting of the TOWNSHIPS of Colebrookdale, Douglass, Earl (PART, District 02 (only blocks 4000, 4052, 4055, 4056, 4057, 4058, 4059, 4060, 4061, 4062, 4063 and 4064 of tract 013000)) and Washington and the BOROUGHS of Bally, Bechtelsville and Boyertown; Part of MONTGOMERY County consisting of the TOWNSHIPS of Abington, Cheltenham, Douglass, East Norriton, Franconia, Hatfield (PART, Districts 02 [PART, Division 01 (only blocks 1003, 1004, 1015, 1016, 2024, 2033 and 2036 of tract 200707)], 03 and 04 [PART, Division 01]), Limerick, Lower Frederick, Lower Gwynedd, Lower Moreland, Lower Pottsgrove, Lower Providence, Lower Salford, Marlborough, New Hanover, Perkiomen, Plymouth (PART, District 02 [PART, Division 01 (all blocks except 1001, 1002, 1003, 1018 and 1019 of tract 204010)]), Salford, Skippack, Springfield, Towamencin, Upper Dublin, Upper Frederick, Upper Gwynedd, Upper Hanover, Upper Moreland, Upper Pottsgrove, Upper Providence, Upper Salford, West Norriton, West Pottsgrove, Whitemarsh, Whitpain and Worcester and the BOROUGHS of Ambler, Bryn Athyn, Collegeville, Conshohocken, East Greenville, Green Lane, Hatboro, Jenkintown, North Wales, Pennsburg, Pottstown, Red Hill, Rockledge, Royersford, Schwenksville, Souderton, Telford (Montgomery County Portion) and Trappe and Part of PHILADELPHIA County consisting of the CITY of Philadelphia (PART, Wards 58, 65 [PART, Divisions 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 16 (all blocks except 2001 and 3001 of tract 032900), 18, 20 and 23] and 66).  
Total population: 705,688

CONGRESSIONAL DISTRICTS

Dist. 14 ALLEGHENY County.  
Part of ALLEGHENY County consisting of the CITY of Pittsburgh and the TOWNSHIPS of East Deer, Fawn, Frazer, Hampton, Harmar, Harrison, Indiana, Kennedy, McCandless (PART, Wards 05 [PART, Division 03 (only blocks 1003, 1013, 1014, 1015, 1016, 1022 and 1028 of tract 413300)], 06 [PART, Divisions 02 and 03] and 07), North Versailles, O'Hara, Penn Hills, Reserve, Ross, Shaler, Springdale, Stowe, West Deer and Wilkins and the BOROUGHES of Aspinwall, Bellevue, Blawnox, Brackenridge, Braddock, Braddock Hills, Chalfant, Cheswick, Churchill, East McKeesport, East Pittsburgh, Edgewood, Etna, Forest Hills, Fox Chapel, Ingram, McKees Rocks, Millvale, Monroeville, Mount Oliver, North Braddock, Oakmont, Pitcairn, Plum, Rankin, Sharpsburg, Springdale, Swissvale, Tarentum, Trafford (Allegheny County Portion), Turtle Creek, Verona, Wall, West View, Wilksburg and Wilmerding.  
Total population: 705,688

Dist. 15 CARBON, LEHIGH and NORTHAMPTON Counties.  
Part of CARBON County consisting of the TOWNSHIPS of East Penn, Franklin, Kidder, Lehigh, Lower Towamensing, Mahoning, Penn Forest and Towamensing and the BOROUGHES of Bowmanstown, East Side, Jim Thorpe, Lansford (PART, Districts First, Middle and West (all blocks except 1021, 1022, 1023, 1026, 1027, 1030, 1038, 2014 and 2015 of tract 020400)), Lehighton, Palmerton, Parryville, Summit Hill, Weatherly and Weissport; All of LEHIGH County and All of NORTHAMPTON County.  
Total population: 705,688



CONGRESSIONAL DISTRICTS

Dist. 16    BERKS and LANCASTER Counties.  
Part of BERKS County consisting of the TOWNSHIPS of Albany, Alsace, Bern, Bethel (all blocks except 2006, 2007, 2008 and 2009 of tract 010100), Centre, District, Greenwich, Heidelberg, Hereford, Jefferson, Longswamp, Lower Heidelberg, Maiden creek, Marion, Maxatawny, Muhlenberg, North Heidelberg, Ontelaunee, Penn, Perry, Pike, Richmond, Rockland, Ruscombmanor, South Heidelberg, Spring, Tilden, Tulpehocken, Upper Bern, Upper Tulpehocken and Windsor and the BOROUGHs of Adamstown (Berks County Portion), Bernville, Centerport, Fleetwood, Hamburg, Kutztown, Laureldale, Leesport, Lenhartsville, Lyons, Robesonia, Shoemakersville, Sinking Spring, Strausstown, Topton, Wernersville, Womelsdorf and Wyomissing (PART, District 05 (all blocks except 1000, 1001, 1002, 1003, 1004, 1005, 1009, 1010, 1011, 1012, 1013, 1014, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1029, 2007 and 2008 of tract 011000)) and All of LANCASTER County.

Total population: 705,687

Dist. 17    LACKAWANNA, LUZERNE, MONROE, PIKE and WAYNE Counties.  
All of LACKAWANNA County; Part of LUZERNE County consisting of the CITIES of Nanticoke, Pittston and Wilkes-Barre and the TOWNSHIPS of Bear Creek, Buck, Butler, Conyngham, Dennison, Dorrance, Fairview, Hanover, Hollenback, Jenkins, Kingston (PART, Districts 01 and 03 (only blocks 2018, 2019, 2020, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 4024 and 6055 of tract 211400)), Newport, Pittston, Plains, Plymouth, Rice, Slocum, Wilkes-Barre and Wright and the BOROUGHs of Ashley, Avoca, Bear Creek Village, Courtdale, Dupont, Duryea, Edwardsville, Exeter, Forty Fort, Hughestown, Kingston, Laflin, Larksville, Laurel Run, Luzerne, Nuangola, Penn Lake Park, Plymouth, Pringle, Sugar Notch, Swoyersville, Warrior Run, West Pittston, West Wyoming, Wyoming and Yatesville; All of MONROE County; All of PIKE County and All of WAYNE County.

Total population: 705,688

CONGRESSIONAL DISTRICTS

Dist. 18 ALLEGHENY, FAYETTE, GREENE and WASHINGTON Counties. Part of ALLEGHENY County consisting of the CITIES of Clairton, Duquesne and McKeesport and the TOWNSHIPS of Baldwin, Elizabeth, Forward, Mount Lebanon, Scott, South Park, South Versailles and Upper St. Clair (PART, Wards 01 [PART, Divisions 01, 02 (all blocks except 1021 and 1022 of tract 474201 and blocks 2032, 2033 and 2034 of tract 474202), 03 and 04] and 02) and the BOROUGHES of Baldwin, Bethel Park, Brentwood, Bridgeville, Carnegie, Castle Shannon, Crafton, Dormont, Dravosburg, Elizabeth, Glassport, Green Tree, Heidelberg, Homestead, Jefferson Hills, Liberty, Lincoln, Munhall, Pleasant Hills, Port Vue, Rosslyn Farms, Thornburg, Versailles, West Elizabeth, West Homestead, West Mifflin, Whitaker, White Oak and Whitehall; All of FAYETTE County; All of GREENE County and All of WASHINGTON County.  
Total population: 705,687

Population of all districts: 12,702,379

# EXHIBIT 3

**The Statewide population = 12,702,379**

**The Average population per district = 705,688**

<b>DISTRICT</b>	<b>POPULATION</b>	<b>DEVIATION</b>
1	705,687	-1 (0.00%)
2	705,688	+0 (0.00%)
3	705,688	+0 (0.00%)
4	705,687	-1 (0.00%)
5	705,688	+0 (0.00%)
6	705,688	+0 (0.00%)
7	705,688	+0 (0.00%)
8	705,688	+0 (0.00%)
9	705,688	+0 (0.00%)
10	705,688	+0 (0.00%)
11	705,688	+0 (0.00%)
12	705,687	-1 (0.00%)
13	705,688	+0 (0.00%)
14	705,688	+0 (0.00%)
15	705,688	+0 (0.00%)
16	705,687	-1 (0.00%)
17	705,688	+0 (0.00%)
18	705,687	-1 (0.00%)

# EXHIBIT 4

User:

Plan Name: **Stack Submission**

Plan Type:

# Measures of Compactness Report

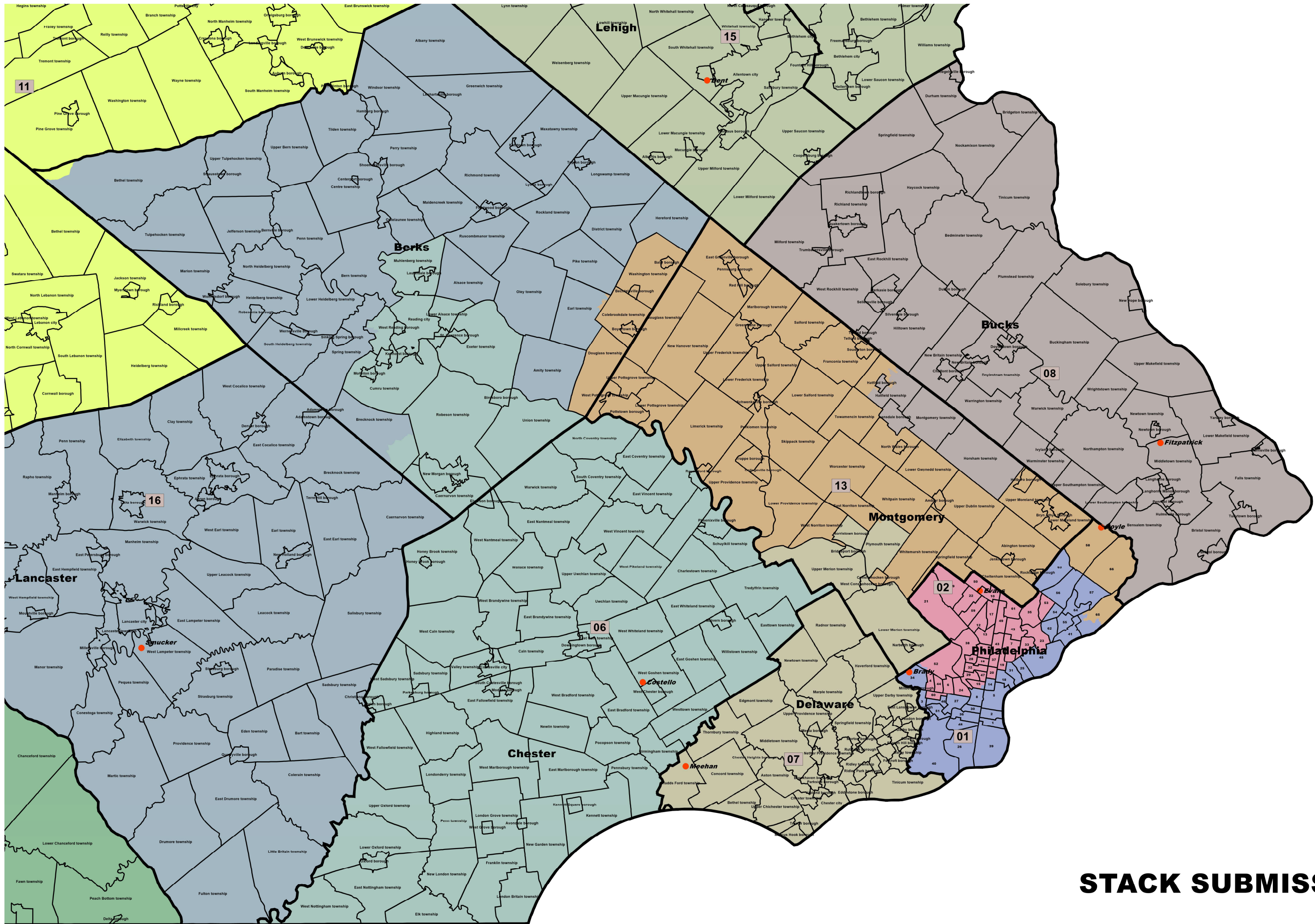
Thursday, February 15, 2018

1:36 PM

Sum	N/A	N/A	0.00	N/A	N/A	N/A
Min	0.22	1.49	N/A	0.16	0.51	0.49
Max	0.58	2.40	N/A	0.42	0.90	0.87
Mean	0.45	1.75	N/A	0.31	0.74	0.76
Std. Dev.	0.09	0.22	N/A	0.07	0.12	0.08

District	Roeck	Schwartz-berg	Perimeter	Polsby-Popper	Population Polygon	MinConvexPoly
01	0.22	2.40		0.16	0.51	0.49
02	0.52	1.57		0.40	0.83	0.78
03	0.48	1.65		0.31	0.80	0.73
04	0.43	1.59		0.37	0.69	0.83
05	0.55	1.60		0.36	0.76	0.78
06	0.41	1.76		0.28	0.83	0.74
07	0.44	1.87		0.26	0.67	0.70
08	0.43	1.49		0.42	0.78	0.83
09	0.58	1.53		0.39	0.76	0.80
10	0.41	1.86		0.27	0.56	0.82
11	0.41	1.71		0.32	0.85	0.76
12	0.32	1.66		0.35	0.67	0.79
13	0.31	2.11		0.21	0.56	0.76
14	0.57	1.85		0.27	0.84	0.83
15	0.51	1.66		0.33	0.90	0.73
16	0.45	1.93		0.24	0.64	0.71
17	0.52	1.65		0.30	0.90	0.77
18	0.49	1.69		0.31	0.75	0.87

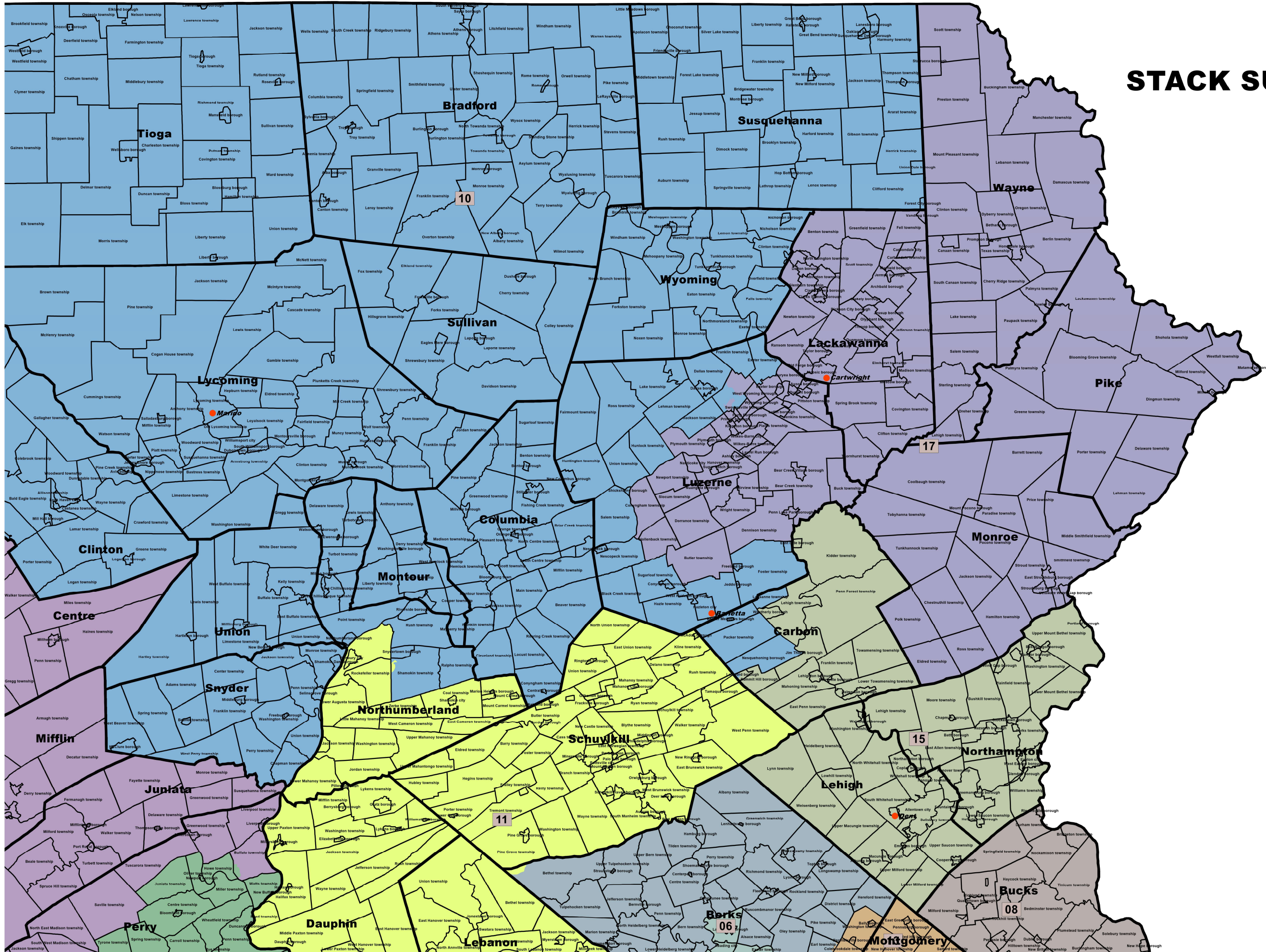
# EXHIBIT 5



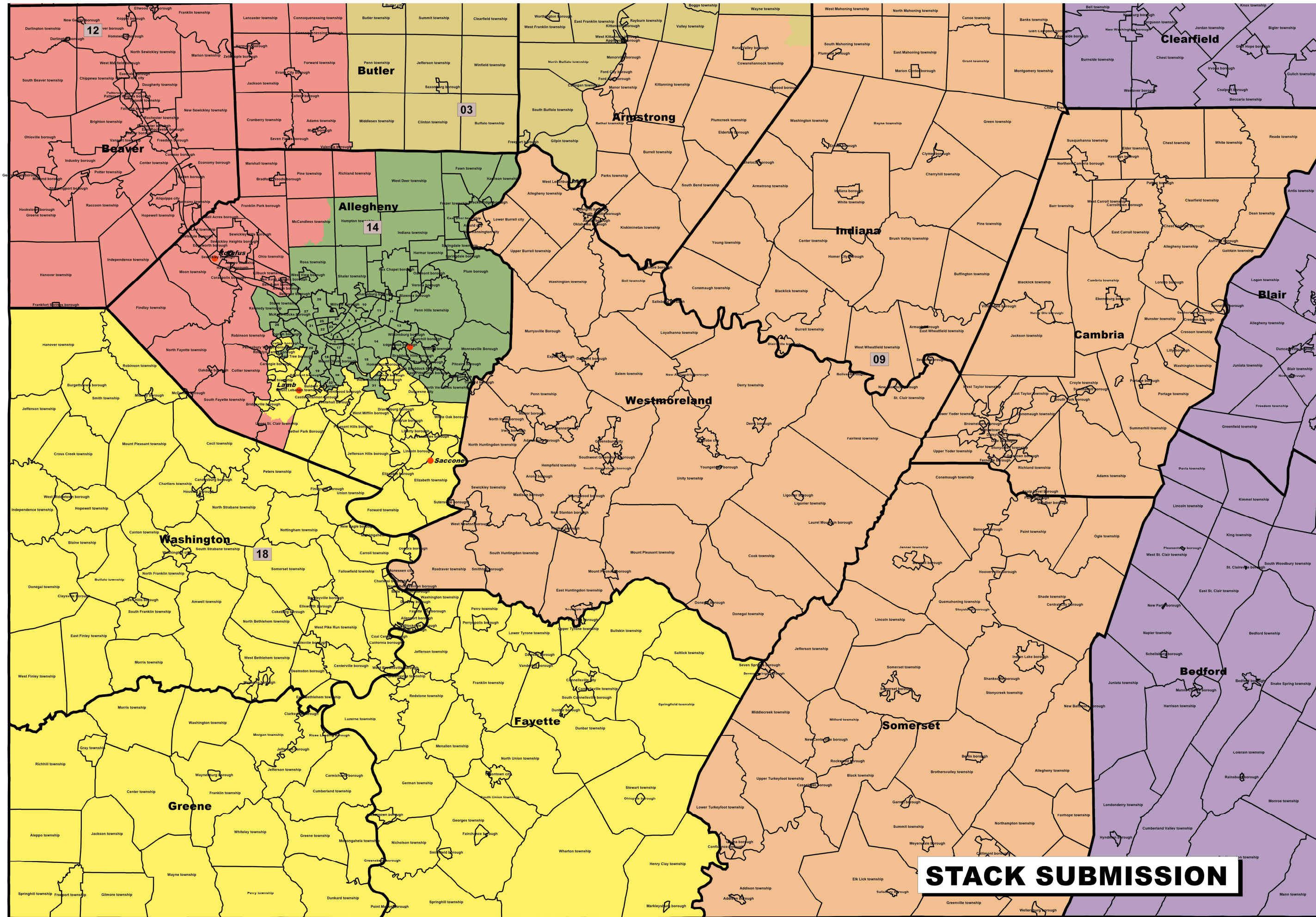
**STACK SUBMISSION**



# STACK SUBMISSION







**STACK SUBMISSION**

# EXHIBIT 6

## COUNTIES SPLIT BY CONGRESSIONAL DISTRICTS

14 TOTAL COUNTIES

19 TOTAL SPLITS

ALLEGHENY	012 014 018
ARMSTRONG	003 009
BERKS	006 011 013 016
BUTLER	003 012
CARBON	010 015
CHESTER	006 007
CRAWFORD	003 012
CUMBERLAND	004 011
LUZERNE	010 017
MCKEAN	003 010
MONTGOMERY	007 008 013
NORTHUMBERLAND	010 011
PERRY	004 005
PHILADELPHIA	001 002 013

## PLACES SPLIT BY CONGRESSIONAL DISTRICTS

17 TOTAL PLACES

18 TOTAL SPLITS

## ALLEGHENY COUNTY

MCCANDLESS	TOWNSHIP	012	014
UPPER ST. CLAIR	TOWNSHIP	012	018

## ARMSTRONG COUNTY

COWANSHANNOCK	TOWNSHIP	003	009
---------------	----------	-----	-----

## BERKS COUNTY

BETHEL	TOWNSHIP	011	016
EARL	TOWNSHIP	006	013
WYOMISSING	BOROUGH	006	016

## CARBON COUNTY

LANSFORD	BOROUGH	010	015
----------	---------	-----	-----

## CHESTER COUNTY

BIRMINGHAM	TOWNSHIP	006	007
------------	----------	-----	-----

## CRAWFORD COUNTY

VERNON	TOWNSHIP	003	012
--------	----------	-----	-----

## CUMBERLAND COUNTY

LOWER ALLEN	TOWNSHIP	004	011
-------------	----------	-----	-----

## LUZERNE COUNTY

KINGSTON	TOWNSHIP	010	017
----------	----------	-----	-----

## MCKEAN COUNTY

FOSTER	TOWNSHIP	003	010
--------	----------	-----	-----

## MONTGOMERY COUNTY

HATFIELD	TOWNSHIP	008	013
PLYMOUTH	TOWNSHIP	007	013

## NORTHUMBERLAND COUNTY

SHAMOKIN	TOWNSHIP	010	011
----------	----------	-----	-----

## PERRY COUNTY

BUFFALO	TOWNSHIP	004	005
---------	----------	-----	-----

PLACES SPLIT BY CONGRESSIONAL DISTRICTS

PHILADELPHIA COUNTY

PHILADELPHIA

CITY

001 002 013

## WARDS SPLIT BY CONGRESSIONAL DISTRICTS

18 TOTAL WARDS

18 TOTAL SPLITS

## ALLEGHENY COUNTY

MCCANDLESS

TOWNSHIP

WARD 05

012 014

WARD 06

012 014

UPPER ST. CLAIR

TOWNSHIP

WARD 01

012 018

## ARMSTRONG COUNTY

COWANSHANNOCK

TOWNSHIP

WARD EASTERN

003 009

## BERKS COUNTY

EARL

TOWNSHIP

WARD 02

006 013

WYOMISSING

BOROUGH

WARD 05

006 016

## CARBON COUNTY

LANSFORD

BOROUGH

WARD WEST

010 015

## CHESTER COUNTY

BIRMINGHAM

TOWNSHIP

WARD 02

006 007

## CRAWFORD COUNTY

VERNON

TOWNSHIP

WARD 01

003 012

WARD 02

003 012

## CUMBERLAND COUNTY

LOWER ALLEN

TOWNSHIP

WARD 04

004 011

## LUZERNE COUNTY

KINGSTON

TOWNSHIP

WARD 03

010 017

## MCKEAN COUNTY

FOSTER

TOWNSHIP

## WARDS SPLIT BY CONGRESSIONAL DISTRICTS

WARD 03		003 010
MONTGOMERY COUNTY		
HATFIELD	TOWNSHIP	
WARD 02		008 013
WARD 04		008 013
PLYMOUTH	TOWNSHIP	
WARD 02		007 013
PHILADELPHIA COUNTY		
PHILADELPHIA	CITY	
WARD 34		001 002
WARD 65		001 013



**PRECINCT SPLITS – 16 TOTAL**

<b>DISTRICTS</b>	<b>COUNTY</b>	<b>MUNICIPALITY</b>	<b>PRECINCT</b>
1 & 2	Philadelphia	Philadelphia	Ward 34, Division 1
1 & 13	Philadelphia	Philadelphia	Ward 65, Division 16
3 & 9	Armstrong	Cowashannock Twp.	Eastern District
3 & 10	McKean	Foster Twp.	District 3
3 & 12	Crawford	Vernon Twp.	District 1
3 & 12	Crawford	Vernon Twp.	District 2
4 & 11	Cumberland	Lower Allen Twp.	Precinct 4
6 & 13	Berks	Earl Twp.	District 2
6 & 16	Berks	Wyomissing Twp.	District 5
6 & 7	Delaware	Birmingham Twp.	Precinct 2
7 & 13	Montgomery	Plymouth Twp.	District 2, Division 1
8 & 13	Montgomery	Hatfield Twp.	District 2, Division 1
10 & 15	Carbon	Lansford Twp.	West District
10 & 17	Luzerne	Kingston Twp.	District 3
12 & 14	Allegheny	McCandless Twp.	Ward 5, Division 3
12 & 18	Allegheny	Upper St. Clair Twp.	Ward 1, Division 2