PA COUNTY DATA VS PA STATE DATA: WHICH TO TRUST?

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Written By:
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LOOK AHEAD AMERICA
THE VOTER INTEGRITY PROJECT

A Problem Uncovered Upon Re-examining The Data

After completing The Pennsylvania Report[1], and after having increased transparency with two communications[2] to the Pennsylvania Department of State Open Records Officer[3], the Research Group (RG) at Look Ahead America (LAA) revisited its data. LAARG intended to determine if any ballots counted were included after the legal deadlines, knowing what the descriptions meant according to the two updates. Instead of drawing a conclusion, however, LAARG found that official state numbers differed substantially from official county numbers in several close races.

The reported changes between the official county results, which are "frozen in time", differ from the current results on the Pennsylvania Department of State website. These differences were so large that they surpassed the margin of victory in some races, and should have put some races into the margin of automatic recount. Pennsylvania requires automatic recounts if the margin of victory for a statewide office or ballot question appearing on the ballot in every election district is less than or equal to 0.5% (0.005) of all votes cast for the office or ballot measure.

This posed an issue as to which source to trust. If the state purportedly gets its data from the counties, then why did the counties in some cases show not only differences in ballot counts in some races, but significantly different election contest results than the state records? Why did some races match the state records but not in other races? There was no explanation available.

PA Officials Do Not Know

In fact, we had contacted Open Data Records Officer Jere Matthews about this issue. As of this writing, she and the state of Pennsylvania Department of State have not given any explanation.

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[1] https://lookaheadamerica.org/pennsylvania/
[2] https://lookaheadamerica.org/ballot_question/
[3] https://lookaheadamerica.org/pacleanup2/

Question on PA Website Election Data Variances

From <ian.camacho@lookaheadamerica.org>
To Matthews, Jere Ilene <jematthews@pa.gov>
Bcc Matt Braynard <matt@braynard.com>, Julie Fisher <julie@lookaheadamerica.org>
Date 2023-04-03 09:55

Dear Ms. Matthews,

Hope that you are well. I am contacting you because I have questions on the data and sources of data on your site
https://www.electionreturns.pa.gov/

Per my understanding and according to the above official site these are all presented as "Official Returns", however, in a number of counties and races there are issues and discrepancies that are not explained. The Election Returns PA site does not show its sources, links, nor provide explanations for the data other than it is official according to the state of Pennsylvania. According to the site, it supposedly is current as of today, and thus I am unable to determine how these discrepancies arose.

Here are some examples discovered in the county of Allegheny:

https://results.enr.clarityelections.com/PA/Allegheny/106267/web.264614/#/summary

Official Allegheny County certified numbers (as of 11/25/2020, after the official Pennsylvania state certification date of 11/23/2020):

https://www.electionreturns.pa.gov/General/CountyResults?countyName=Allegheny&ElectionID=83&ElectionType=G&IsActive=0

28th Legislative District:

20477 D, 23770 R votes on county site, while the Election Returns PA site shows 20500 D, 23806 R (+23 D, +36 R, 59 net gain)

30th Legislative District:

19217 D, 23309 R votes on county site, while the Election Returns PA site shows 19231 D, 23340 R (+14 D, +31 R, 45 net gain)

33rd Legislative District:

11421 D, 12359 R votes on county site, while the Election Returns PA site shows 11430 D, 12372 R (+9 D, +13 R, 22 net gain)

37th Senatorial District:

79220 D, 82022 R votes on county site, while the Election Returns PA site shows 79299 D, 82124 R (+79 D, +102 R, 181 net gain)

44th Legislative District:

18126 D, 22106 R votes on county site, while the Election Returns PA site shows 18143 D, 22140 R (+17 D, +34 R, 51 net gain)

45th Senatorial District:

57782 D, 51561 R votes on county site, while the Election Returns PA site shows 57815 D, 51588 R (+33 D, +27 R, 60 net gain)

Oddly, this was not the case in all situations; I found no deviations in official ballot count under the 17th US Congressional District race (this includes Allegheny County, Beaver County, and Butler County):

https://results.enr.clarityelections.com/PA/Allegheny/106267/web.264614/#/summary

Official Allegheny County certified numbers as of 11/25/2020

https://www.electionreturns.pa.gov/General/CountyResults?countyName=Allegheny&ElectionID=83&ElectionType=G&IsActive=0

177474 D, 150726 R votes in the 17th US Congressional District in Allegheny, no deviations in official ballot count

https://www.beavercountypa.gov/getmedia/a70ca66a-5e69-4d0c-b5de-8923d14cb8f8/SummaryResults11022020.pdf

Official Beaver County certified numbers as of 11/21/2020

https://www.electionreturns.pa.gov/General/CountyResults?countyName=Beaver&ElectionID=83&ElectionType=G&IsActive=0

39498 D, 54486 R votes in the 17th US Congressional District in Beaver, no deviations in official ballot count

https://www.butlercountypa.gov/DocumentCenter/View/2137/Butler-County-Certified-Election-Results---2020-General-Election---All-Races-Summary

Official Butler County certified numbers as of 12/08/2020

https://www.electionreturns.pa.gov/General/CountyResults?countyName=Butler&ElectionID=83&ElectionType=G&IsActive=0

5281 D, 7072 R votes in the 17th US Congressional District in Butler, no deviations in official ballot count

Except for Beaver County, which matches in this race, the dates listed on these county websites and records were after the official Pennsylvania state certification date of 11/23/2020.

The fact that there is variance in other races makes no sense given that Allegheny County's official site numbers matched on one race but in none of the other six.

This is only one example, as I have many others, but I hope this is illustrative of the issues that I am encountering in the data.

My question is: Can you please explain how and why there's any deviance in the official numbers on the state website in several statewide and countywide races, especially when given that the official certified numbers were presented by the county and "frozen in time"? And will there be any sort of data sourcing to explain these (e.g. links to the official county websites/election results, based on certain dates, archived records available, etc.)?

Thank you in advance.

Kind Regards,
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https://lookaheadamerica.org/donate/

RE: [External] Question on PA Website Election Data Variances ↗

From	Matthews, Jere Ilene <jematthews@pa.gov>
To	ian.camacho@lookaheadamerica.org <ian.camacho@lookaheadamerica.org>
Date	2023-04-03 13:33

✉ Summary   ⓘ Headers   ≡ Plain text

Good afternoon Ian,

Let me see what I can find out.

I did send your other email over to the Business Owner.

I will follow-up.

I'll try to review this soon, and I'll need to work with the Business team.

Make it a Great Day and Take Care,

Jere

Jere Matthews (she,her,hers)
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PA Office of Administration | Information Technology
Office of Data and Digital Technology
7th Floor Forum Place| 555 Walnut Street, Hbg PA 17101
Phone: 717.775.8472
www.oa.pa.gov

From: ian.camacho@lookaheadamerica.org <ian.camacho@lookaheadamerica.org>
Sent: Thursday, April 6, 2023 11:41 AM
To: Matthews, Jere Ilene <jematthews@pa.gov>
Subject: Re: [External] Question on PA Website Election Data Variances

Hi Jere,

Wanted to follow up on this if you were able to find anything out yet?

Kind Regards,
Ian Camacho
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RE: [External] Question on PA Website Election Data Variances

From   Matthews, Jere Ilene <jematthews@pa.gov>
To   ian.camacho@lookaheadamerica.org <ian.camacho@lookaheadamerica.org>
Date   2023-04-06 13:33

Good afternoon Ian,
Yes, we continue to work with the Department of State and a response will be provided when it is available.

Make it a Great Day and Take Care,
Jere

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The Goal of This Report

To be clear, the goal of this report is not to overturn any prior election results. In any case, the congressional terms for most of these races have ended anyway and disputing their legitimacy at this point would be moot.

As with The Pennsylvania Report, LAARG has called for increased transparency and thorough explanations for discrepancies past and present with the aim of making sure that they don't recur in future elections.

After all, trusted and popular websites such as Ballotpedia and Wikipedia use the Department of State's election data site as their sources of information. There are consequences for this inaccurate material given that none of them appear to use the county records - the underlying sources that purportedly drive the state records, and thus the more accurate ones.

Ideally, if the state of Pennsylvania can rectify its discrepancies for past elections, then that will provide more accurate historical analysis for future historians, sociologists, and even legislators to review trends and perhaps even predict demographic and voter behavior.

Overview of Results

The discrepancies in the state level data surpassed the county certified margins of victory in three close state level races, and show changed outcomes of races. Specifically, these were the 53rd Legislative District, 150th Legislative District, and 152nd Legislative District. All three of these races went from the Republican candidate winning according to the official county records, to the Democrat candidate winning according to the official state records.

In two other races, one held in the 33rd Legislative District and in the 45th Senate District, the differences between the county and state results didn't affect the overall outcome, but should have placed the results within the margin of recount. The 45th Senate District shrunk an extremely narrow margin of victory from 73 to 69 ballots, whereas the 33rd Legislative District shrunk a margin of victory from 888 to 349 ballots, or 0.27% to 0.10% of the victory margin. Both races should have been automatically recounted. Additionally, no explanation has yet surfaced explaining why over half of the ballots in the original margin of victory were lost in the state version of the election data. The Senate race, won by a Democrat, lost a few ballots but by a smaller amount than any other questionable outcome.

One theory for the differences in the county and state numbers was that the counties posted this information before the certification date of November 24, 2020, and thus these were not the final numbers. Though plausible, it does not explain why the county would post inaccurate numbers on its site, nor does it explain why only some races and counties match.

Two unique examples were in Northampton County, which posted its results dated on 11/24/2020, and Allegheny County, which posted its information with a date of 11/25/2020. Given that these counties posted their data on or after the official certification date, one cannot

argue that the state numbers reflect corrected numbers found after the posting dates. Yet, Northampton gained 12 ballots in the 131st Legislative District race and Allegheny gained 60 ballots in the 45th Senate District race. Again, the official county results posted on or after the certification date, which fails to explain how and why these numbers changed on the PA Department of State election data website.

Another argument against the numbers being corrected sometime between the posting of the county numbers and the official certification dates can be found in that two counties featuring the same races matched on one race but not another. Specifically, Lehigh County posted its results on 11/20/2020 whereas Northampton County posted its results on certification day 11/24/2020. In the 131st Legislative District race, the Lehigh county results and state results matched, but the Northampton County results in the same race did not match. Conversely, Lehigh County's results on the 7th US Congressional District did not match, whereas Northampton County's results on this race did match. Thus, it could not be a county specific issue given that both matched state official results in one race but not on the other.

Notably, the only close statewide races in the 2020 Presidential Election that didn't change between the county election data records to state election data records were: 17th US Congressional District (Allegheny, Beaver, and Butler County), 162nd Legislative District (Delaware County), 165th Legislative District (Delaware County), and the 168th Legislative District (Delaware County).

Finally, some races had no discrepancies in some counties, whereas the same races showed significant discrepancies in other counties: 7th US Congressional District (Monroe and Northampton County matched, but Lehigh did not), 8th US Congressional District (Lackawanna, Luzerne, Monroe, and Wayne Counties matched, but Pike County did not), 50th Legislative District (Greene and Washington Counties matched, but Fayette County did not), 55th Legislative District (Indiana County matched, but Westmoreland County did not), 160th Legislative District (Delaware County matched, but Chester County did not), and the 131st Legislative District mentioned earlier (Lehigh County matched, but Northampton County did not).

The most egregious differences observed occurred in Montgomery County, which saw net gains in ballots ranging anywhere between 1,225 ballots in one race up to 18,402 ballots in another race according to the PA Department of State election site after the 11/18/2020 county posting date. Additionally, it was because of these changes in ballot counts that three races "flipped" from Republicans to Democrats, and not one of these races had margins close enough prompting an automatic recount. Given the official numbers on the county as opposed to the state numbers, until the state can show otherwise, all evidence available to us suggests that ballots were illegally counted after the deadline in order to stuff the races and change the outcomes.

Detailed County vs. State Results: Changed Outcomes

Legislative District 53
Official Montgomery County numbers:
8525 D, 13000 R as of 11/18/2020
Margin of victory: 4475 ballots, R winner

Total official county numbers margin of victory: 4475 ballots, R winner

PA Data site numbers:
19974 D, 16543 R now
11449 D gain, 3543 R gain, total 14992 net gain
Margin of victory: 3431 ballots, D winner (7906 D net gain from county)

Legislative District 150
Official Montgomery County numbers:
7048 D, 12361 R as of 11/18/2020
Margin of victory: 5313 ballots, R winner

Total official county numbers margin of victory: 5313 ballots, R winner

PA Data site numbers:
20594 D, 17217 R now
13546 D gain, 4856 R gain, total 18402 net gain
Margin of victory: 3377 ballots, D winner (8690 D net gain from county)

Legislative District 152
Official Montgomery County numbers:
6981 D, 11632 R as of 11/18/2020
Margin of victory: 4561 ballots, R winner

Total official county numbers margin of victory: 4561 ballots, R winner

PA Data site numbers:
18931 D, 15016 R now
11950 D gain, 3384 R gain, total 15334 net gain
Margin of victory: 3915 ballots, D winner (8476 D net gain from county)

Detailed County vs. State Results: Shrunk Recount Margins

Legislative District 33

Official Allegheny County numbers for Legislative District 33:
11421 D, 12359 R as of 11/25/2020
Margin of victory: 938 ballots, R winner

Official Westmoreland County numbers for Legislative District 33:
4050 D, 4000 R as of 12/31/2020
Margin of victory: 50 ballots, D winner

Total official county numbers margin of victory: 888 ballots, R winner

PA Data site numbers for Allegheny County Legislative District 33 race:
11430 D, 12372 R now
9 D gain, 13 R gain, total 22 net gain
Margin of victory: 942 ballots, R winner (4 R net gain from county)

PA Data site numbers for Westmoreland County Legislative District 33 race:
4604 D, 4011 R now
554 D gain, 11 R gain, total 565 net gain
Margin of victory: 593 ballots, D winner (543 D net gain from county)

Total official state margin of victory: 349 ballots, R winner (539 R net loss from all counties)

Senate District 45

Official Allegheny County numbers for Senate District 45
57782 D, 51561 R as of 11/25/2020
Margin of victory: 6221 ballots, D winner

Official Westmoreland County numbers for Senate District 45
8416 D, 14564 R as of 12/31/2020
Margin of victory: 6148 ballots, R winner

Total official county numbers margin of victory: 73 ballots, D winner

PA Data site numbers for Allegheny County Senate District 45 race:
57815 D, 51588 R now
33 D gain, 27 R gain, total 60 net gain
Margin of victory: 6227 ballots, D winner (6 D net gain from county)

PA Data site numbers for Westmoreland County Senate District 45 race:
8446 D, 14604 R now
30 D gain, 40 R gain, total 70 net gain
Margin of victory: 6158 ballots R winner (10 R net gain from county)
Total official state margin of victory: 69 ballots, D winner (4 D net loss from all counties)

Detailed County vs. State Results: One County Constant

Legislative District 131

Official Lehigh County numbers for Legislative District 131
12288 D, 14305 R as of 11/20/2020
Margin of victory: 2017 ballots, R winner

Official Montgomery County numbers for Legislative District 131
1706 D, 4553 R as of 11/18/2020
Margin of victory: 2847 ballots, R winner

Official Northampton County numbers for Legislative District 131
2600 D, 2685 R as of 11/24/2020
Margin of victory: 85 ballots, R winner

Total official county numbers margin of victory: 4949 ballots, R winner

PA Data site numbers for Lehigh County Legislative District 131 race:
12288 D, 14305 R now
0 D gain, 0 R gain, total 0 net gain
Margin of victory: 2017 ballots, R winner (0 change from county)

PA Data site numbers for Montgomery County Legislative District 131 race:
4068 D, 5495 R now
2362 D gain, 942 R gain, total 3304 net gain
Margin of victory: 1427 ballots, R winner (1420 R net loss from county)

PA Data site numbers for Northampton County Legislative District 131 race:
2608 D, 2689 R now
8 D gain, 4 R gain, total 12 net gain
Margin of victory: 81 ballots, R winner (4 R net loss from county)

Total official state margin of victory: 3525 ballots, R winner (1424 R net loss from all counties)

Conclusion and Suggestions

The people of Pennsylvania deserve to understand why there are discrepancies between their counties' results and their state's results in the elections. LAA reports on PA to draw attention to the discrepancies between official sources which fail to explain these issues to the public. The underlying intent with all of this work has been to restore confidence and transparency to American elections, which will require in-depth analysis in every state.

Upon reviewing all the data, LAARG has provided three suggestions that Pennsylvania volunteers, citizens, activists, and researchers can give to their legislators:

(1) The Pennsylvania state elections data site must provide links to each of the county's certified election results in order to allow for the direct ability to review and match state official sources, and point out discrepancies, if any.

(2) The Pennsylvania state elections data site must provide dated and archived versions of the different results. In other words, it should show the official results from each county on the date submitted for certification, plus current or updated results showing the date of result and date of change, such as how many ballots were added or removed per candidate and on what date.

(3) The Pennsylvania state elections data site should provide distinctions between the certified count and the numbers added after the count, with explanations for all additions or deletions. Example 1: X valid ballots received after deadline, meaning that X% of votes would have gone to Y candidate but were not counted in the official certified numbers. Example 2: Manual recount(s) found an error in the records and X ballots previously for Y candidate were removed and awarded to Z candidate in the unofficial count, even though it didn't change final results.

Given the way that the state reports everything after the certification date, LAARG cannot accurately comment on nor determine the margins of victory in these close state races based on the absentee ballot type as initially hoped; there's a myriad of problems with the data and a concerning lack of transparency in Pennsylvania. Hopefully, with the above report and suggested changes, Pennsylvania officials will review the material and make strides towards increasing transparency and recordkeeping so as to alleviate all doubts and questions about election issues and leave zero room for misinterpretation. Pennsylvania has a lot of work ahead to do.

Acknowledgements

Thank you to Tolkien's Apprentice for running the datasets. Thank you to Terri Gierer for finding the links for each county elections. Thank you to Felix the Cat (aka Nermal Cat) for providing guidance on the goals and intention of this report. Thank you to both @CherylT and @Cincinnatus for helping with editing the document for clarity. Thank you to both @Cincinnatus for saving PDF copies of records as well as Jackson Kerley who archived the links in case the state or counties attempt to hide or modify their records after this report publishes.

How to Help

Volunteer with Look Ahead America at https://LookAheadAmerica.org/volunteer.

Support LAA by making a financial contribution at https://LookAheadAmerica.org/donate or making a purchase at https://www.goodshop.com/causes/look-ahead-america.

Join our Guilded community server at https://guilded.gg/Look-Ahead-America to join other like-minded patriots. Learn how to use LAA's Guilded at https://LookAheadAmerica.org/Guilded.

Official Data Sources Cited

PA Department of State 2020 Presidential Election Page:
https://www.electionreturns.pa.gov/General/SummaryResults?ElectionID=83&ElectionType=G&IsActive=0#

Allegheny County:
https://results.enr.clarityelections.com/PA/Allegheny/106267/web.264614/#/summary
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PA Department of State 2020 Presidential Election Page (Allegheny County):
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Beaver County: https://www.beavercountypa.gov/getmedia/a70ca66a-5e69-4d0c-b5de-8923d14cb8f8/SummaryResults11022020.pdf
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PA Department of State 2020 Presidential Election Page (Beaver County):
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Butler County: https://www.butlercountypa.gov/DocumentCenter/View/2137/Butler-County-Certified-Election-Results---2020-General-Election---All-Races-Summary
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PA Department of State 2020 Presidential Election Page (Butler County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Butler&ElectionID=83&ElectionType=G&IsActive=0

Chester County:
https://pennsylvania.totalvote.com/Default.aspx?cid=03&eid=35
https://archive.ph/LaOqQ (archived)

PA Department of State 2020 Presidential Election Page (Chester County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Chester&ElectionID=83&ElectionType=G&IsActive=0

Delaware County:
https://election.co.delaware.pa.us/eb/November_2020/index.html
https://archive.ph/yLAC3 (archived)

PA Department of State 2020 Presidential Election Page (Delaware County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Delaware&ElectionID=83&ElectionType=G&IsActive=0

Fayette County (material not on site):
https://www.wtae.com/article/fayette-county-2020-election-results-pennsylvania/34511660
https://archive.ph/Ih1wV (archived)

PA Department of State 2020 Presidential Election Page (Fayette County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Fayette&ElectionID=83&ElectionType=G&IsActive=0

Greene County:
https://www.co.greene.pa.us/Elections/Default.aspx?PageLayout=SUMMARY&Election=10047

PA Department of State 2020 Presidential Election Page (Greene County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Greene&ElectionID=83&ElectionType=G&IsActive=0

Indiana County: https://www.indianacountypa.gov/departments/voting-and-elections/elections/
(Available upon request)

PA Department of State 2020 Presidential Election Page (Indiana County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Indiana&ElectionID=83&ElectionType=G&IsActive=0

Lackawanna County:
https://cms8.revize.com/revize/lackawanna/Document_center/Government/Department/Elections/Election%20result/Election11.23.html.pdf
https://web.archive.org/web/20220813002638/https:/cms8.revize.com/revize/lackawanna/Document_center/Government/Department/Elections/Election%20result/Election11.23.html.pdf
(archived)

PA Department of State 2020 Presidential Election Page (Lackawanna County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Lackawanna&ElectionID=83&ElectionType=G&IsActive=0

Lehigh County:
https://www.lehighcounty.org/Portals/0/PDF/ElectionSummary_21_1_1.pdf
https://web.archive.org/web/20230128001225/https://www.lehighcounty.org/Portals/0/PDF/ElectionSummary_21_1_1.pdf (archived)

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https://web.archive.org/web/20230429013647/https:/www.luzernecounty.org/DocumentCenter/View/24574/Luzerne-County-2020-General-Election-Summary-Report?bidId (archived)

PA Department of State 2020 Presidential Election Page (Luzerne County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Luzerne&ElectionID=83&ElectionType=G&IsActive=0

Monroe County:
http://agencies.monroecountypa.gov/elections/
https://archive.ph/vQIr0 (archived)

PA Department of State 2020 Presidential Election Page (Monroe County):
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PA Department of State 2020 Presidential Election Page (Northampton County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Northampton&ElectionID=83&ElectionType=G&IsActive=0

Pike County: https://www2.pikepa.org/election/2020general.htm
https://archive.ph/4bCHh (archived)

PA Department of State 2020 Presidential Election Page (Pike County):
https://www.electionreturns.pa.gov/General/CountyResults?countyName=Pike&ElectionID=83&ElectionType=G&IsActive=0

Washington County: https://www.co.washington.pa.us/DocumentCenter/View/10209/2020-Election-Official-Results---Election-Summary
https://archive.ph/emuFj (archived)

PA Department of State 2020 Presidential Election Page (Washington County): https://www.electionreturns.pa.gov/General/CountyResults?countyName=Washington&ElectionID=83&ElectionType=G&IsActive=0

Wayne County: https://waynecountypa.gov/ArchiveCenter/ViewFile/Item/207
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Legislative District 50 Ballotpedia: https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_50
https://archive.ph/zaopS (archived)

Legislative District 53 Ballotpedia: https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_53
https://archive.ph/H5na2 (archived)

Legislative District 55 Ballotpedia: https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_55
https://archive.ph/1iufv (archived)

Legislative District 131 Ballotpedia:
https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_131
https://archive.ph/9Mf8G (archived)

Legislative District 150 Ballotpedia:
https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_150
https://archive.ph/u4Hex (archived)

Legislative District 152 Ballotpedia:
https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_152
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Legislative District 160 Ballotpedia:
https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_160
https://archive.ph/5fl5m (archived)

Legislative District 162 Ballotpedia:
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https://archive.ph/iWq10 (archived)

Legislative District 165 Ballotpedia:
https://ballotpedia.org/Pennsylvania_House_of_Representatives_District_165
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https://ballotpedia.org/Pennsylvania%27s_7th_Congressional_District
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https://ballotpedia.org/Pennsylvania%27s_8th_Congressional_District
https://archive.ph/drOPq (archived)

Pennsylvania's 17th Congressional District Ballotpedia:
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https://archive.ph/Egh26 (archived)