

VEST NM 2018

Election Results Validation Report

To request a full validation report for this data file, email info@redistrictingdatahub.org

State: New Mexico

Organization: Voting and Election Science Team (VEST)

Summary of Races included: U.S. Senate, Governor, Attorney General, Secretary of State, State Treasurer, State Auditor, Commissioner of Public Lands, Justice of the Supreme Court, Judge of the Court of Appeals Position 1, Judge of the Court of Appeals Position 2, Judge of the Court of Appeals Position 3, Judge of the Court of Appeals Position 4, Judge of the Court of Appeals Position 5 [General Election]

Date File Updated: 06/08/2021

Date Report Updated: 09/20/2021

RDH Validation Code (Github):

<https://github.com/nonpartisan-redistricting-datahub/pdv-nm/tree/main/vest-nm-2018>

RDH Criteria	Explanation
<p>Is all raw data available?</p> <p>Yes</p>	<p>Accessible files:</p> <ul style="list-style-type: none"> ● Precinct-level Election Results, 2018 <ul style="list-style-type: none"> ○ Date accessed: 08/17/2021, Source: Secretary of State ○ https://electionresults.sos.state.nm.us/default.aspx?eid=2698 ○ Note: Selected 'Federal' or 'Statewide Offices', then chose 'EXPORT' and downloaded 'Precinct' data for each election ● VEST NM 2018 Data File <ul style="list-style-type: none"> ○ Date accessed: 08/17/2021, Source: VEST on the Harvard Dataverse ○ https://dataverse.harvard.edu/file.xhtml?persistentId=doi:10.7910/DVN/UBKYRU/CW9QXO&version=45.0 ● VEST NM 2018 Documentation <ul style="list-style-type: none"> ○ Date accessed: 08/17/2021, Source: VEST on the Harvard Dataverse ○ https://dataverse.harvard.edu/file.xhtml?fileId=5007790&version=45.0 ● NM Precinct Shapefiles <ul style="list-style-type: none"> ○ Date accessed: 09/17/2021, Source: New Mexico Legislature ○ https://www.nmlegis.gov/Redistricting/ ● 2020 Redistricting Data Program Final Release (NM Partnership Shapefile)

- o Date accessed: 08/17/2021, Source: U.S. Census Bureau
- o https://www.census.gov/geo/partnerships/pvs/partnership19v2/st35_nm.html
- o Note: Downloaded files for Lincoln, Los Alamos, McKinley, Sandoval, and Socorro counties

Election results validated for every candidate statewide?

No

For the precinct-level file that we were able to download, precinct vote totals that equaled less than 5 votes were obfuscated. As a result, at the statewide total level, the election results did not match VEST's. Our totals also did not match those of New Mexico's election summary report (<https://electionresults.sos.state.nm.us/default.aspx?eid=2698>), but VEST's did.

We are not sure if VEST obtained an election results file without these obfuscations or whether they allocated the votes back into the data somehow.

Election/ Candidate	RDH Total	NM SOS Total	Difference (RDH & NM SOS)
G18USSDHEI	376957	376998	41
G18USSRRIC	212772	212813	41
G18USSLJOH	107126	107201	75
G18GOVDLUJ	398315	398368	53
G18GOVRPEA	298063	298091	28
G18ATGDBAL	427518	427583	65
G18ATGRHEN	231271	231296	25
G18ATGLDUN	32468	32931	463
G18SOSDTOU	399093	399134	41
G18SOSRCLA	257275	257306	31
G18SOSLGRI	34178	34527	349
G18TREDEIC	394750	394780	30
G18TRERCAS	286802	286822	20
G18AUDDCOL	395666	395714	48

G18AUDRJOH	291702	291714	12
G18LNDDGAR	352279	352335	56
G18LNDRLYO	297355	297379	24
G18LNDLLUC	39553	39791	238
G18SSCDVIG	403525	403573	48
G18SSCRCLI	278477	278502	25
G18SACDBOG	370265	370314	49
G18SACRFRE	308128	308146	18
G18SACDMED	391377	391429	52
G18SACRBOH	285652	285681	29
G18SACDZAM	390914	390971	57
G18SACRKIE	285531	285554	23
G18SACDDUF	367491	367522	31
G18SACRGAL	306794	306814	20
G18SACDATT	466461	466482	21

The county-level election results matched VEST's.

Election results validated for every candidate by county?

Yes

At the county total level, the precinct-level election results did not match VEST's due to the obfuscated votes. The county totals also did not match those of New Mexico's election summary report (<https://electionresults.sos.state.nm.us/default.aspx?eid=2698>). VEST's election results and the state summary report matched.

Election results

At the precinct level, the election results did not match VEST's (1300 out of 1492 precincts matched).

validated for
every
candidate by
precinct?

Yes

The differences appear to be caused mainly by the missing record of votes. The average difference was ~3 votes and the max difference between the election results and VEST was 5 votes and any precinct with a difference had no more than 5 votes for that candidate, so all differences are due to obfuscations.

There have been a few minor changes to all the precinct names in both VEST and election results to match the way the precinct names were written. Then 7 of the precincts required second minor name changes.