



Honorable Members
Board of Supervisors
City and County of San Francisco
1 Dr. Carlton B. Goodlett Place, Room 244
San Francisco, California 94102

Statement of the Results
City and County of San Francisco
Special General Election – April 19, 2022

I, John Arntz, Director of Elections, certify that I have canvassed the ballots cast in the Special General Election for State Assembly District 17 held on Tuesday, April 19, 2022, within the City and County of San Francisco, in the manner required by Division 15 of the California Elections Code.

I certify that I began the canvass immediately upon the close of the polls on April 19, 2022, and, as a result of the tabulation of all votes recorded, present a complete record entitled "Statement of the Results of the Special General Election – April 19, 2022." I also declare that the number of ballots cast in said election was 78,764, which signifies that 29.31% of San Francisco's 268,722 registered voters in State Assembly District 17 that voted in this election.

In accordance with California Elections Code section 15400, I certify that the total number of votes cast for each candidate and ballot measure in this Statement of the Results and the precinct detail of all votes cast appears in the Statement of the Vote, which is posted on the Department of Elections' website at sfelections.org/apr2022results, and is incorporated by reference to this Statement of the Results.

This Statement of the Results includes a table that presents a summarized total of votes cast in the contest for State Assembly District 17. For this election, only voters in State Assembly District 17 received the one-card ballots that listed the two candidates involved in the Assembly contest.

Although this Statement of the Results includes the contest for United States Representative, District 13, the boundary that places this district within San Francisco extends across San Francisco Bay and crosses the extreme southwest corner of Alameda Island. Other than this uninhabited corner, the district lies entirely within Alameda County. This is why the table showing results for this contest indicates 0 votes and 0% turnout.

SHA-512 Cryptographic Hash Algorithm

The Department of Elections applied a SHA-512 cryptographic function to reports associated with this election to establish the integrity of the results in a verifiable manner. Attachment 2 provides information regarding the SHA-512 hash values for all electronic files associated with the final, certified results reports.

Voting System and Election Transparency

The City's voting system allows for increased election transparency through the posting of images of voted ballots, equipment transaction logs, and other election reports, all of which will be posted with the final election results on the Department's website, sfelections.org.

Voted ballot images. The City's voting system captures images of each voted ballot cast in an election. This creates a visual history of how ballots were marked. After each election, the Department posts the ballot images on its website, allowing members of the public to view each voted ballot cast in the City. Prior to posting the ballot images, the Department reviews the images and redacts identifying information that voters may have placed on ballot cards.

AuditMark. In addition to the voting system capturing images of voted ballot cards, the system also adds an explanation at the bottom of each ballot image indicating how the voting equipment interpreted and tallied each vote mark. These explanations, or AuditMarks, provide the public with information on how the voting system operates in relation to the recording and reporting of every vote cast in this election. This means that for every oval with a mark inside the voting target, even for partial marks, the voting system adds an explanation to the images of voted ballots of how the system understood and registered the markings within each oval.

Ballot Audit and Review. The Department will post an application that allows the public to sort the ballot images according to precinct, contest, and district. The City is the first jurisdiction in the country to utilize this application, known as "Ballot Audit and Review."

Cast Vote Record. The Department posted a "Cast Vote Record" that lists each vote recorded on each ballot card. The data provided in the Cast Vote Record is captured from the ballots as the ballots are scanned by the voting equipment and before vote tabulation occurs, allowing members of the public to tabulate votes from specific precincts, districts, etc. and compare against the official election results.

Attachments

Attachment 1 provides a table that lists the votes cast.

Attachment 2 is the list of SHA-512 hashes associated with each final election results report and machine audit logs.

Attachment 3 is the report from the manual tallies that the Department conducted on randomly selected polling place, vote-by-mail, and provisional ballots to confirm that the voting equipment operated properly, and accurately counted and reported election results.

In witness whereof, I hereby affix my hand and seal this 28th day of April, 2022.


John Arntz, Director of Elections



Statement of the Results

NOTE: The counts for all overvotes (which occur when voters mark more than the allowed number of candidates, or, mark both "yes" and "no" for ballot measures) and undervotes (which occur when voters mark fewer than the allowed number of candidates, or, leave blank the voting targets for both "yes" and "no") are included, although neither overvotes nor undervotes represent valid votes cast and are not added to the tallies determining total votes for a candidate or whether a measure passes.

1. VOTER-NOMINATED OFFICE

(Results represent votes cast in San Francisco only)

I hereby certify the results for the following **VOTER-NOMINATED OFFICE:**

MEMBER OF THE STATE ASSEMBLY, DISTRICT 17*

Candidates	Vote Totals	% of Votes
→ MATT HANEY	48,762	62.37%
DAVID CAMPOS	29,422	37.63%
Total Votes	78,184	
Undervotes	432	
Overvotes	148	
Total Ballots Cast	78,764	

**The two candidates received the most votes in the February 15, 2022, Consolidated Special Municipal Election.*

**List of SHA-512 Hash Values for Certified Results Reports
Statement of the Results
Special General Election, April 19, 2022**

This list represents the various certified results reports the Department of Elections issued for the April 19, 2022, Special General Election. The file names for each report are listed numerically, and underneath each file name is the SHA-512 cryptographic hash value applicable to each file. All reports are posted on the Department's website: www.sfelections.org/results

1. **"Summary – PDF,"** lists a summary of votes cast by contest, using a PDF format.

Hash value:

9BB52CA2CEAA3059F41DA6E1CCD1D1671198A521D352D4B098165BE799105BE853F2910EA
51CE3A1C6C3117EEDB24C1ABABBD15A9E570CD2C6A00490306087E1

2. **"Summary – Excel,"** lists a summary of votes cast by contest, using Microsoft Excel.

Hash value:

BC740BC40372D1A4E3606B7E18298F536C45DDD5DC5B0E6D28D720443260EA1881CD40F71
AB6AC0D9151DCC0E92CF26EEB300B28CB5F288B78014D64B2AD3676

3. **"Summary – XML,"** lists a summary of votes cast by contest, using XML format.

Hash value:

78B9829CC20FCDE320B64BE9DFDA28BE27856BB8F599E0BC29805FD3D86C3FDC66AEEEE8A
6A8A5022E9B1C204E82DAF8EE46E23EA6A83021FB90C679069121BDC

4. **"SOV – PDF,"** lists votes cast in each precinct and for each contest, using a PDF format.

Hash value:

2D65169F75393B9E39CBADAF5919D4A90F3C1C62853BC3F90D96D1426D49CAFFCC73FF8F6
49CA639988E7A7E9619547F1D413547B54FE0608482FA178011E177

5. **"SOV – Excel,"** lists votes cast in each precinct and for each contest, using Microsoft Excel.

Hash value:

6190DC3C585117D2413AA4FE9F30043D0FCEFC9720AC2415975D65814A3286977630477EA39
523C7609CEDB1EC811DE723C9D989C17D33922F31865FF2126551

6. **"District SOV – PDF,"** lists votes cast in each district and for each contest, using a PDF format.

Hash value:

BDD72001D7EF5C98FD3C53227E13CEAEAAAC30A89C115533D9804B0FB77D5AC240AA4308C
0473D8287898143480CFBDB29B200607769B5646A79BC8997A33B737

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7. "District SOV – Excel," lists votes cast in each district and for each contest, using Microsoft Excel.

Hash value:

91282EDCD287288FDF145376127BF21867FC61F418E7D8F5CF43E9E247D47F70B25EA685FC
B3C64C7944DE2EB13B47F723AD0CC0F9B4891D57CE95D28771F055

8. "Cast Vote Record - JSON," lists votes cast on each ballot card in a zipped JSON format.

Hash value:

B908BDA206450DB6E274C3DF0B122345C1508D01419115F6F6D5F187494D9FF154D12947BB
1080715E4F9178F0B6181AB758A3320502B9609CFE874CE78E0754

9. "Ballot Images, Supervisorial District 1 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

7842D563FC353A683B09F6FFA373E7820FCD8925892D1F3E7E3D5BF8968DC0F2775B93442A
5D71C42AA658FC1B3629CDD0EF755E6A940AFC04B5192C36AECCE

10. "Ballot Images, Supervisorial District 2 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

68F9866C425AA5C57EBEC3646E95646B49E4432B9B2826CE2C66791983FF764E1AC190D898
CF2F8D2D9D3D2CF9DF3FCB72EEBB429627197E2A162F95353FDA53

11. "Ballot Images, Supervisorial District 3 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

699E566E512A349FB56D1ABE495C038357381DAAC72CDA51B98FA14005FF16F3248BF04685
4A652DF5D5319D008A1A98FA709BEB25664592B9DB7DA9FBC1423C

12. "Ballot Images, Supervisorial District 5 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

510354DDAE4363FA7DF834C679747B7634134D634B38A9141A652CEF10F7E7AD30E8489244
FCA0D76C99F80D232D1AFF66CBC697E8CC1E69D8A1954AB4ABFCE1

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13. "Ballot Images, Supervisorial District 6 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

B5237BAC3E2E9F3E80A108B4855395CE072AEF26C520B1A924844C232FF469BAD71DA10506
F6CADAF5208D8AED149096F0885D77BB519647800C690B29679F95

14. "Ballot Images, Supervisorial District 7 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

40EAAED0EB484426A0F0C023744362AF1F9A7012D3F711B26226BC8475DD38ED7A8C07C348
593BF21CF3AC4A2E32F45E29653BDF5760CDB953A599CFD03D2401

15. "Ballot Images, Supervisorial District 8 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

B96E5BA4620D000CF2AD5F8A1C71929B655346ADD5B32C68CBC3739FB21DA7D0A8BE747E4
70A5FC5E908E306DE7B38762787BA7A412F309000024A52FD858FEB

16. "Ballot Images, Supervisorial District 9 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

25A4FE18A20681D26096AC127C1941C53F40D30E4163647ABBB4897FC9B8E878652F1DCBFE
A3A91EEBEAF45A50382E27AC140AAB629C153F0514650BC72EB967

17. "Ballot Images, Supervisorial District 10 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

9E0EBE8F770A63C03CD7BE03F2A2609BE3046DF2153C18BDA48F7E43EAA94E4C3ED769B43
4D9148FE3D24BC1BF554B19DD68466F4363125DDCE8B190EF35EBEE

18. "Ballot Images, Supervisorial District 11 - ZIP", contains scanned ballot images in zipped TIFF format.

Hash value:

5B6F3162D65F7CFA4EB958352B4DD837DAA5D30F3130575CE7A1620AA0C620992F66E216502
FA910DBCCD10172B1F18DB0B6E221824389AC00CC7C2B2C354181

**List of SHA-512 Hash Values for Certified Results Reports
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19. "Ballot Scanning Machine Logs - ZIP," audit logs from Ballot Scanning Machines used at Polling Places on Election Day.

Hash value:

79FA3B114AA13B1CDD93BD113B542C7C7EA8E872E9B919B9268DD830D91A4BCA94EB00DDD
1D5843CF1B8AE26FCD7C5B64FE1BE4B5742599FB4E7EBF9D123A61E

20. "ImageCast Central Logs - ZIP," audit logs from ImageCast Central machines used at City Hall.

Hash value:

9C6585A1EE89C1464EBD0823151B285DDB3803F13DE987932F71A2494F7F66A6954671704050
AA4B891629F055471FAFE2A0C20D6475BCAB52E959F03D3796F0

21. "Vote-by-Mail Status Report," lists the disposition of the vote-by-mail ballots the Department received.

Hash value:

D9B3B1186D1CDE055B2E4B7D1D6180B7873A21B6B31B7C7592AA4C818F82630E7A5295CD00
45EBE17FB12CA0BE11606B43E5E590555E3BD8039601829E02E0E1

22. "Provisional Ballot Status Report," lists the disposition of the provisional ballots the Department received.

Hash value:

3577A80EC1326DB2FCEF9FD844268D3A221BED4D9CB2B96789A22C695AF982882F38185A01
D9336E33A18C280F6F034B38DBBD17B16217F7A8CC6298BD2F74ED

23. "Conditional Voter Registration Report," lists the disposition of the ballots cast during the Conditional Voter Registration period.

Hash value:

69625218767483A5546AA5CB248682FF3F388DDE91C5413B5C3E590CEE40CC84CC786AF6FC
7623B95A7D4CADF34495422FE8D9F88DE910705D373EF61DFC879C

24. "SHA-512.csv," provides a list of all hashed election results files in CSV format.

Hash value:

F766A26E7490BCEECB2F85A022FD4A648B93701C8C8A2F1B8DEF5C6ADEB1C1E032005681E8
6B2FC923538101054A22694E091391B42DBA5D2739CA0877A23C74



April 28, 2022

California Secretary of State
1500 11th Street, 5th Floor
Sacramento, CA 95814

**April 19, 2022, Special General Election
Results of 1% Post-Election Manual Tallies**

Pursuant to state elections law, the San Francisco Department of Elections (Department) is required to conduct a manual tally of all ballots cast in 1% of San Francisco's polling places and 1% of the vote-by-mail ballots cast, and may also manually tally 1% of provisional ballots cast, as part of the Official Canvass of the election. The Department compares the results of the manual tallies to the results reports generated by the voting equipment used to tabulate ballot cards. The purpose of the manual tallies is to verify the accuracy of the voting equipment used in the election. Upon completion of the 1% manual tallies, the Department prepares a report on the results of the manual tallies and includes the report in the certification of the Official Canvass for the election.

The following is a report on the results of the manual tallies of 1% of the polling place, vote-by-mail, and provisional ballots cast in the April 19, 2022, Special General Election.

Random Selection of Precincts

On April 25, 2022, the Department conducted a random selection of precincts and batches for the manual tallies in accordance with California Elections Code section 15360.

Five days prior to selecting the precincts and batches for the manual tallies, the Department issued a press release and posted a public notice on its website, sfelections.org, and outside its office, announcing the date, time, and place of the random selection of precincts and batches. Additionally, the Department webcast the random selection process and posted the recording on its website.

For the April 19 election, the Department was required to conduct a manual tally of ballots cast in a minimum of two precincts, to represent 1% of San Francisco's 183 polling places included in the election, and 1% of all vote-by-mail and, optionally, provisional ballots.

The random selection was divided in three categories. The first category was for selecting two precincts for ballots cast at the polling places. The second category was for selecting two batches (or boxes) of Vote-By-Mail (VBM) ballots representing 1% of all VBM ballots counted. The third category was for selecting one batch (or box) for the Provisional (PV) ballots. Using three 10-sided dice, the Department randomly selected the precincts and batches to be tallied in full. All the contests in the election were covered in all the drawn precincts and batches. For this election, there was only one contest on the ballot. During the drawing, one selected precinct (7017) did not have ballots cast at the polling place and the

Department randomly selected another precinct (7048). For a list of randomly selected precincts and batches contests tallied in each precinct, see Part I below.

Conducting the 1% Manual Tallies

The 1% manual tallies of randomly selected precincts and batches began on Monday, April 25, 2022, and was completed on the same day. The manual tallies occurred in the Department's warehouse on Pier 31, which is located along The Embarcadero. The manual tallies were open to public observation both in person and via live streaming on the Department's website at selections.org/live.

For each selected precinct and batch, Department personnel manually tallied votes cast on the ballots, including polling place ballots cast using the Ballot Scanning Machines (BSM), and accepted vote-by-mail and provisional ballots, including those issued at the Department's City Hall Voting Center. Vote-by-mail and provisional ballots, and paper duplications of ballots through the remake process using the Ballot Marking Device are tabulated using the ImageCast Central (ICC) machines. The manual counts were then compared against the results reports issued by the voting system. If there were any discrepancies between the two tallies, the Department sought resolution or explanations for these discrepancies.

Department personnel worked in two, four-person teams to manually tally votes on polling place ballots, vote-by-mail, and provisional ballots. Each team was assigned one precinct or one batch to count at a time. After all the votes for a contest had been counted, a supervisor verified whether the manual count matched the machine count. If all the vote counts matched, the team proceeded to the next contest until all the contests on the card had been counted.

After a manual tally, Department personnel seek to resolve any potential discrepancies between the tally and the machine count and document the resolutions using Manual Tally Incident forms. For this election, there were no discrepancies found during the manual tallies.

Results of the 1% Manual Tallies

In accordance with the Post-Election Manual Tally Emergency Regulations, a "variance" means any difference between the machine tally and the manual tally for a contest, including, but not limited to, differences due to machine malfunction, operator error, or voter error in marking a ballot. Upon completion of the manual tallies associated with ballots cast in San Francisco for the April 19, 2022 Special General Election, the Department observed no discrepancies between the manual tallies and the results reported by the voting system. The manual tallies included ballots cast at polling places, by mail, and by provisional voters.

The results of the 1% manual tallies confirm that the voting equipment used in the April 19, 2022, Special General Election accurately tabulated and reported votes cast for contests appearing on the official ballot.

Following are tables that summarizes the manual tallies.

Part I: Randomly Selected Precincts, Batches, and Contests Tallied for the 1% Manual Tallies

Randomly Selected Precincts/Batches and Contests Tallied for the 1% Manual Tally April 19, 2022, Special General Election			
Initial five precincts selected for Precinct Ballots			
Order Drawn	Precinct	Ballot Type	Contests Tallied
1st	7017	1	No ballots cast on this precinct
2nd	7032	1	All
3rd	7048	1	All
Initial six batches selected for VBM Ballots			
Order Drawn	Batch (Box) #		Contests Tallied
1st	76	mixed	All
2nd	178	mixed	All
Initial batch selected for PV Ballots			
Order Drawn	Batch #		Contests Tallied
1st	4001	mixed	All

Part II: Summary of Results of the 1% Manual Tallies

Summary of Results of the 1% Manual Tally April 19, 2022, Special General Election			
Precinct	Contests Tallied	Precinct Ballots	
		Discrepancies found?	Causes
7017	NA	NA	No ballots cast on this precinct
7032	All	No	NA
7048	All	No	NA
Batch (Box) #	Contests Tallied	Vote-by-Mail Ballots	
		Discrepancies found?	Causes
76	All	No	NA
178	All	No	NA
Batch (Box) #	Contests Tallied	Provisional Ballots	
		Discrepancies found?	Causes
4001	All	No	NA