



City and County of San Francisco
Department of Elections

John Arntz, Director

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
Consolidated General Election - November 3, 2020**

I, John Arntz, Director of Elections, certify that I have canvassed the ballots cast at the Consolidated General Election held on Tuesday, November 3, 2020, 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 November 3, 2020, and, as a result of the tabulation of all votes recorded, present a complete record entitled "Statement of the Results of the San Francisco Consolidated General Election – November 3, 2020." I also declare that the number of ballots cast in said election was 449,866, which signifies that 86.33% of San Francisco's 521,099 registered voters voted in this election.

This election represents the greatest number of voters to participate in any election in the City's history. Further, the only election in the City history with a higher turnout percentage occurred in November 1944 in which 86.82% of the City's voters participated. The remarkable participation of San Franciscans in this election occurred despite the COVID-19 pandemic ever present throughout, and now beyond, this election cycle.

In accordance with California Elections Code section 15400, I certify that the total number of votes cast for each candidate and for and against each measure is shown 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/november-3-2020-election-results-summary](https://www.sfelections.org/november-3-2020-election-results-summary), and is incorporated by reference to this Statement of the Results.

This Statement of the Results includes tables that present summarized totals of votes cast in each contest. The tables are organized in the following manner:

1. Party-Nominated Office
 - A. President and Vice President of the United States
2. Voter-Nominated Offices
 - A. United States Representative, District 12
 - B. United States Representative, District 13
 - C. United States Representative, District 14
 - D. State Senator, District 11
 - E. Member of the State Assembly, District 17
 - F. Member of the State Assembly, District 19

3. Nonpartisan Offices
 - A. Member, Board of Education
 - B. Member, Community College Board
 - C. Bay Area Rapid Transit (BART) Director, District 7
 - D. Bay Area Rapid Transit (BART) Director, District 9
4. State Propositions 14 – 25
5. City and County Propositions A – K
6. District Proposition RR
7. Local Offices
 - A. Member, San Francisco Board of Supervisors, District 1
 - B. Member, San Francisco Board of Supervisors, District 3
 - C. Member, San Francisco Board of Supervisors, District 5
 - D. Member, San Francisco Board of Supervisors, District 7
 - E. Member, San Francisco Board of Supervisors, District 9
 - F. Member, San Francisco Board of Supervisors, District 11

For each results table, the candidate (or candidates, for contests with multiple seats) or ballot measure position with the most votes is preceded by an arrow ("→"). Note that, for contests that were voted on in other counties in addition to San Francisco, the results shown are for San Francisco only; the overall results and outcome may differ.

For this election, voters in even-numbered Supervisorial Districts voted using three-card ballots and voters in odd-numbered Supervisorial Districts voted using four-card ballots; the additional card included the contest for Board of Supervisors in those districts. The ballot contests were listed as follows:

- **Card 1:** Party-nominated office of President and Vice President of the United States; voter-nominated offices of United States Representative, State Senator, Member of the State Assembly; and nonpartisan offices of Board of Education, Community College Board, and BART Director (districts 7 and 9)
- **Card 2:** State propositions 14 – 25
- **Card 3:** City and County propositions A – K, District proposition RR
- **Card 4:** Office of Board of Supervisors (odd-numbered districts only: 1, 3, 5, 7, 9, and 11)

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 that the Department implemented during the 2019 Consolidated Municipal Election allows for increased election transparency through the posting of images of voted ballots, equipment 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 Department will post images of voted ballots cast in this election during this week, allowing members of the public to view each voted ballot cast in the City. Prior to posting the ballot images, the Department reviewed the images and redacted identifying information that voters may have placed on ballot cards.

In addition to the new system capturing images of voted ballot cards during processing, the system also appends statements that explain how the voting equipment interpreted and tallied each vote mark. These statements, or AuditMarks, provide the public with information on how the voting system operates in relation to recording and reporting every vote cast in this election.

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 associated with all contests and propositions. 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.

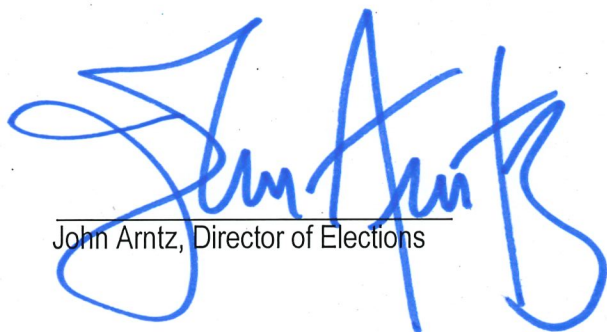
Attachments

Attachment 1 provides tables that list the votes cast in each contest and for or against each proposition.

Attachment 2 is the list of SHA-512 hashes associated with each final elections results report.

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 the voting equipment operated properly, and accurately counted and reported election results.

In witness whereof, I hereby affix my hand and seal this 1stth day of December, 2020.


John Arntz, Director of Elections



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. PARTY-NOMINATED OFFICE

I certify the results for the following **PARTY-NOMINATED OFFICE**:

A. PRESIDENT AND VICE PRESIDENT OF THE UNITED STATES

Candidates	Vote Totals	% of Votes
→ JOSEPH R. BIDEN AND KAMALA D. HARRIS	378,156	85.26%
DONALD J. TRUMP AND MICHAEL R. PENCE	56,417	12.72%
JO JORGENSEN AND JEREMY "SPIKE" COHEN	3,299	0.74%
HOWIE HAWKINS AND ANGELA NICOLE WALKER	2,781	0.63%
GLORIA LA RIVA AND SUNIL FREEMAN	1,543	0.35%
ROQUE "ROCKY" DE LA FUENTE GUERRA AND KANYE OMARI WEST*	1,262	0.28%
BRIAN CARROLL AND AMAR PATEL*	48	0.01%
JESSE VENTURA AND CYNTHIA MCKINNEY*	18	0.004%
MARK CHARLES AND ADRIAN WALLACE*	17	0.004%
BROCK PIERCE AND KARLA BALLARD*	7	0.002%
JOSEPH KISHORE AND NORISSA SANTA CRUZ*	5	0.001%
Total Votes Cast	443,553	
Undervotes	5,658	
Overvotes	609	
Total Ballots Cast	449,820	

*Qualified write-in candidates

2. VOTER-NOMINATED OFFICES

(Results represent votes cast in San Francisco only)

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

A. UNITED STATES REPRESENTATIVE, DISTRICT 12

Candidates	Vote Totals	% of Votes
→ NANCY PELOSI	281,776	77.63%
SHAHID BUTTAR	81,174	22.37%
Total Votes Cast	362,950	
Undervotes	34,157	
Overvotes	409	
Total Ballots Cast	34,566	

B. UNITED STATES REPRESENTATIVE, DISTRICT 13

Candidates	Vote Totals	% of Votes
BARBARA LEE	-	-
NIKKA PITERMAN	-	-
Total Votes Cast	-	
Undervotes	-	
Overvotes	-	
Total Ballots Cast	-	

C. UNITED STATES REPRESENTATIVE, DISTRICT 14

Candidates	Vote Totals	% of Votes
→ JACKIE SPEIER	39,670	81.21%
RAN S. PETEL	9,179	18.79%
Total Votes Cast	48,849	
Undervotes	3,434	
Overvotes	21	
Total Ballots Cast	3,455	

D. STATE SENATOR, DISTRICT 11

Candidates	Vote Totals	% of Votes
→ SCOTT WIENER	229,160	57.65%
JACKIE FIELDER	168,348	42.35%
Total Votes	397,508	
Undervotes	51,645	
Overvotes	667	
Total Ballots Cast	52,312	

E. MEMBER OF THE STATE ASSEMBLY, DISTRICT 17

Candidates	Vote Totals	% of Votes
→ DAVID CHIU	190,731	88.89%
STARCHILD	23,834	11.11%
Total Votes	214,565	
Undervotes	40,112	
Overvotes	119	
Total Ballots Cast	40,231	

F. MEMBER OF THE STATE ASSEMBLY, DISTRICT 19

Candidates	Vote Totals	% of Votes
→ PHIL TING	134,175	77.35%
JOHN P. MCDONNELL	39,283	22.65%
Total Votes	173,458	
Undervotes	21,504	
Overvotes	62	
Total Ballots Cast	21,566	

3. NONPARTISAN OFFICES

I certify the results for the following **NONPARTISAN ELECTIVE OFFICES**:

A. MEMBER, BOARD OF EDUCATION*

Candidates	Vote Totals	% of Votes
→ JENNY LAM	195,270	17.05%
→ MARK SANCHEZ	194,810	17.01%
→ KEVINE BOGGESS	175,302	15.30%
→ MATT ALEXANDER	149,212	13.03%
ALIDA FISHER	143,685	12.54%
MICHELLE PARKER	117,434	10.25%
NICK ROTHMAN	56,993	4.98%
GENEVIEVE LAWRENCE	56,878	4.97%
ANDREW DOUGLAS ALSTON	33,122	2.89%
PAUL KANGAS	22,720	1.98%
Total Votes Cast	1,145,426	
Undervotes	651,650	
Overvotes	2,388	
Total Ballots Cast	1,799,464	

*Four seats voted on for this office

B. MEMBER, COMMUNITY COLLEGE BOARD*

Candidates	Vote Totals	% of Votes
→ SHANELL WILLIAMS	195,356	17.98%
→ TOM TEMPRANO	186,583	17.17%
→ ALIYA CHISTI	126,904	11.68%
→ ALAN WONG	123,437	11.36%
ANITA MARTINEZ	117,629	10.83%
MARIE HURABIELL	86,726	7.98%
HAN ZOU	74,975	6.90%
VICTOR OLIVIERI	72,840	6.70%
JEANETTE QUICK	57,925	5.33%
GERAMYE TEETER	25,580	2.35%
DOMINIC ASHE	18,556	1.71%
Total Votes Cast	1,086,511	
Undervotes	709,545	
Overvotes	3,224	
Total Ballots Cast	1,799,280	

*Four seats voted on for this office

C. BAY AREA RAPID TRANSIT DIRECTOR, DISTRICT 7

(Results represent votes cast in San Francisco only)

Candidates	Vote Totals	% of Votes
→ LATEEFAH SIMON	17,531	69.37%
SHARON KIDD	7,739	30.63%
Total Votes Cast	25,270	
Undervotes	8,653	
Overvotes	26	
Total Ballots Cast	33,949	

D. BAY AREA RAPID TRANSIT DIRECTOR, DISTRICT 9

Candidates	Vote Totals	% of Votes
→ BEVAN DUFTY	108,632	65.28%
DAVID WEI WEN YOUNG	31,814	19.12%
MICHAEL PETRELIS	15,579	9.36%
PATRICK MORTIERE	10,380	6.24%
Total Votes Cast	166,405	
Undervotes	42,436	
Overvotes	318	
Total Ballots Cast	209,159	

4. STATE PROPOSITIONS

I certify the results for the following **STATE PROPOSITIONS**:
(Results represent votes cast in San Francisco only)

PROPOSITION 14 - Authorizes Bonds Continuing Stem Cell Research

	Vote Totals		% of Votes	
→	YES	235,865	55.56%	Undervotes 23,841
	NO	188,656	44.44%	Overvotes 93

PROPOSITION 15 - Increases Funding Sources For Public Schools, Community Colleges, And Local Government Services By Changing Tax Assessment Of Commercial And Industrial Property

	Vote Totals		% of Votes	
→	YES	306,863	70.90%	Undervotes 15,523
	NO	125,923	29.10%	Overvotes 146

PROPOSITION 16 - Allows Diversity As A Factor In Public Employment, Education, And Contracting Decisions

	Vote Totals		% of Votes	
→	YES	272,046	63.83%	Undervotes 22,135
	NO	154,186	36.17%	Overvotes 88

PROPOSITION 17 - Restores Right To Vote After Completion Of Prison Term

	Vote Totals		% of Votes	
→	YES	337,852	78.08%	Undervotes 15,714
	NO	94,835	21.92%	Overvotes 54

PROPOSITION 18 - Amends California Constitution To Permit 17-Year-Olds To Vote In Primary And Special Elections If They Will Turn 18 By The Next General Election And Be Otherwise Eligible To Vote

	Vote Totals		% of Votes	
→	YES	278,053	64.26%	Undervotes 15,667
	NO	154,670	35.74%	Overvotes 65

PROPOSITION 19 - Changes Certain Property Tax Rules

	Vote Totals		% of Votes	
→	YES	252,837	60.19%	Undervotes 28,196
	NO	167,256	39.81%	Overvotes 166

**PROPOSITION 20 - Restricts Parole For Certain Offenses Currently Considered To Be Non-Violent.
Authorizes Felony Sentences For Certain Offenses Currently Treated Only As Misdemeanors**

	Vote Totals	% of Votes		
→ NO	301,343	71.78%	Undervotes	28,448
YES	118,463	28.22%	Overvotes	201

PROPOSITION 21 - Expands Local Governments' Authority To Enact Rent Control On Residential Property

	Vote Totals	% of Votes		
→ YES	219,533	51.78%	Undervotes	24,414
NO	204,414	48.22%	Overvotes	94

PROPOSITION 22 - Exempts App-Based Transportation And Delivery Companies From Providing Employee Benefits To Certain Drivers

	Vote Totals	% of Votes		
→ NO	254,022	59.51%	Undervotes	21,384
YES	172,855	40.49%	Overvotes	194

PROPOSITION 23 - Establishes State Requirements For Kidney Dialysis Clinics. Requires On-Site Medical Professional

	Vote Totals	% of Votes		
→ NO	222,161	53.31%	Undervotes	31,531
YES	194,596	46.69%	Overvotes	167

PROPOSITION 24 - Amends Consumer Privacy Laws

	Vote Totals	% of Votes		
→ NO	212,007	50.93%	Undervotes	32,084
YES	204,235	49.07%	Overvotes	129

PROPOSITION 25 - Referendum On Law That Replaced Money Bail With System Based On Public Safety And Flight Risk

	Vote Totals	% of Votes		
→ YES	233,539	56.26%	Undervotes	33,245
NO	181,560	43.74%	Overvotes	111

5. CITY AND COUNTY PROPOSITIONS

I hereby certify the results for the following **CITY AND COUNTY PROPOSITIONS**:

Unless otherwise noted, measures require 50%+1 affirmative votes to pass.

PROPOSITION A - Health and Homelessness, Parks, and Streets Bond

This measure requires 66⅔% affirmative votes to pass.

	Vote Totals	% of Votes		
→ YES	294,117	70.63%	Undervotes	31,221
NO	122,314	29.37%	Overvotes	60

PROPOSITION B - Department of Sanitation and Streets, Sanitation and Streets Commission, and Public Works Commission

	Vote Totals	% of Votes		
→ YES	255,653	61.33%	Undervotes	30,811
NO	161,178	38.67%	Overvotes	70

PROPOSITION C - Removing Citizenship Requirements for Members of City Bodies

	Vote Totals	% of Votes		
→ YES	226,148	54.10%	Undervotes	29,429
NO	191,898	45.90%	Overvotes	237

PROPOSITION D - Sheriff Oversight

	Vote Totals	% of Votes		
→ YES	276,685	66.90%	Undervotes	34,062
NO	136,896	33.10%	Overvotes	69

PROPOSITION E - Police Staffing

	Vote Totals	% of Votes		
→ YES	299,528	71.35%	Undervotes	27,819
NO	120,246	28.65%	Overvotes	119

PROPOSITION F - Business Tax Overhaul

	Vote Totals	% of Votes		
→ YES	273,953	67.48%	Undervotes	41,661
NO	132,024	32.52%	Overvotes	74

PROPOSITION G - Youth Voting in Local Elections

	Vote Totals	% of Votes		
→ NO	213,694	50.79%	Undervotes	26,891
YES	207,054	49.21%	Overvotes	73

PROPOSITION H - Neighborhood Commercial Districts and City Permitting

	Vote Totals	% of Votes		
→ YES	247,428	60.87%	Undervotes	41,160
NO	159,026	39.13%	Overvotes	98

PROPOSITION I - Real Estate Transfer Tax

	Vote Totals	% of Votes		
→ YES	235,884	57.55%	Undervotes	37,720
NO	173,984	42.45%	Overvotes	124

PROPOSITION J - Parcel Tax for San Francisco Unified School District

This measure requires 66% affirmative votes to pass.

	Vote Totals	% of Votes		
→ YES	300,775	74.43%	Undervotes	43,562
NO	103,315	25.57%	Overvotes	60

PROPOSITION K - Affordable Housing Authorization

	Vote Totals	% of Votes		
→ YES	303,319	73.52%	Undervotes	35,097
NO	109,220	26.48%	Overvotes	76

PROPOSITION L - Business Tax Based on Comparison of Top Executive's Pay to Employees' Pay

	Vote Totals	% of Votes		
→ YES	268,370	65.06%	Undervotes	35,175
NO	144,097	34.94%	Overvotes	70

6. DISTRICT PROPOSITION

I hereby certify the results for the following **DISTRICT PROPOSITION**:

MEASURE RR, Caltrain Sales Tax

(Results represent votes cast in San Francisco only)

	Vote Totals	% of Votes		
→ YES	300,438	73.37%	Undervotes	38,161
NO	109,056	26.63%	Overvotes	57

7. LOCAL OFFICES

I certify the results for the following **LOCAL OFFICES**.

For the ranked-choice voting contests for Member, Board of Supervisors, the following tables provide "Round 0" totals for every contest, which represent how voters marked their ballots before the application of the ranked-choice voting method. Each multi-candidate contest also lists vote totals from "Round 1," which represents the number of first-choice selections after the advancement of later selections that occurs when voters leave the first-choice selection blank or include names of people who are not official, qualified write-in candidates.

For those contests in which no candidate received a majority of votes in Round 0 (Board of Supervisors in Districts 1, 7, and 11), and which required the elimination of candidates and the transfer of votes to remaining candidates, the ranked-choice voting method is applied. For these contests, the totals from the final round — reflecting the totals after all votes from eliminated candidates were transferred to the two remaining candidates with the most votes — are indicated to the right of the Round 1 totals. The number of passes required to reach two remaining candidates is noted in parentheses.

A. BOARD OF SUPERVISORS, DISTRICT 1

Candidates	Round 0		Round 1		Final Round (6)	
	Votes	%	Votes	%	Votes	%
→ CONNIE CHAN	13,422	37.79%	13,508	37.44%	17,142	50.18%
MARJAN PHILHOUR	12,197	34.34%	12,383	34.32%	17,017	49.82%
DAVID E. LEE	6,071	17.09%	6,293	17.44%		
SHERMAN R. D'SILVA	1,542	4.34%	1,558	4.32%		
VERONICA SHINZATO	1,287	3.62%	1,320	3.66%		
AMANDA INOCENCIO	689	1.94%	702	1.95%		
ANDREW N. MAJALYA	306	0.86%	312	0.86%		
Total Votes	35,514		36,076		34,159	
Undervotes	4,299		3,726		3,726	
Exhausted	-		-		1,873	
Exhausted by Overvotes	96		107		151	
Total Ballots Cast	39,909		39,909		39,909	

B. BOARD OF SUPERVISORS, DISTRICT 3

Candidates	Round 0		Round (1)		Final Round (3)	
	Votes	%	Votes	%	Votes	%
→ AARON PESKIN	15,293	53.49%	15,412	53.34%	16,199	56.51%
DANNY SAUTER	10,451	36.56%	10,553	36.52%	12,468	43.49%
SPENCER SIMONSEN	1,464	5.12%	1,490	5.16%		
STEPHEN (LULU) SCHWARTZ	1,380	4.83%	1,438	4.98%		
Total Votes	28,588		28,893		28,667	
Undervotes	4,228		3,904		3,904	
Exhausted	73		92		212	
Exhausted by Overvotes	-		-		106	
Total Ballots Cast	32,889		32,889		32,889	

C. BOARD OF SUPERVISORS, DISTRICT 5

Candidates	Round 0		Round (1)		Final Round (3)	
	Votes	%	Votes	%	Votes	%
→ DEAN PRESTON	21,431	51.52%	21,484	51.44%	22,853	55.24%
VALLIE BROWN	16,730	40.22%	16,777	40.17%	18,520	44.76%
DANIEL LANDRY	2,354	5.66%	2,390	5.72%		
NOMVULA O'MEARA	1,079	2.59%	1,113	2.66%		
Total Votes	41,594		41,764		41,373	
Undervotes	4,738		4,555		4,555	
Exhausted	85		-		375	
Exhausted by Overvotes	-		98		114	
Total Ballots Cast	46,417		46,417		46,417	

D. BOARD OF SUPERVISORS, DISTRICT 7

Candidates	Round 0		Round 1		Final Round (4)	
	Votes	%	Votes	%	Votes	%
→ MYRNA MELGAR	7,852	20.13%	7,881	20.04%	18,561	53.14%
JOEL ENGARDIO	9,216	23.63%	9,272	23.57%	16,370	46.86%
VILASKA NGUYEN	8,195	21.01%	8,263	21.01%		
EMILY MURASE	4,851	12.44%	4,934	12.54%		
STEPHEN W. MARTIN-PINTO	4,562	11.70%	4,599	11.69%		
BEN MATRANGA	3,381	8.67%	3,414	8.68%		
KEN PIPER	951	2.44%	969	2.46%		
Total Votes	39,008		39,332		34,931	
Undervotes	4,302		3,970		3,970	
Exhausted	116		-		4,366	
Exhausted by Overvotes	-		124		159	
Total Ballots Cast	43,426		43,426		43,426	

E. BOARD OF SUPERVISORS, DISTRICT 9

Candidates	Round 0		Final Round (1)	
	Votes	%	Votes	%
→ HILLARY RONEN	27,481	99.77%	29,212	99.78%
BUD RYERSON*	63	0.23%	63	0.22%
Total Votes	27,544		29,275	
Undervotes	9,424		7,692	
Exhausted	1		-	
Exhausted by Overvotes	-		2	
Total Ballots Cast	36,969		36,969	

*Qualified Write-In Candidate

F. BOARD OF SUPERVISORS, DISTRICT 11

Candidates	Round 0		Round 1		Final Round (3)	
	Votes	%	Votes	%	Votes	%
→ AHSYA SAFAI	15,033	48.34%	15,135	48.28%	16,367	53.08%
JOHN AVALOS	13,335	42.88%	13,412	42.78%	14,470	46.92%
MARCELO COLUSSI	2,716	8.73%	2,788	8.89%		
JASON CHUYUAN ZENG*	15	0.05%	15	0.05%		
Total Votes	31,099		31,350		30,837	
Undervotes	3,058		2,795		2,795	
Exhausted	105		-		503	
Exhausted by Overvotes	-		117		127	
Total Ballots Cast	34,262		34,262		34,262	

**List of SHA-512 Hash Values for Certified Results Reports
Statement of the Results
Consolidated General Election, November 3, 2020**

This list represents the various certified results reports the Department of Elections issued for the November 3, 2020, Consolidated 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:

C121B75E33F3DCADB542C5F1DDC977B5648DBB27F9AD9001364CB3EA750AE870E393D384
E9DD019BF0E571D15E7ED97C7BA15D0AB31D7FE1B5BC0B831B7DCD14

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

Hash value:

F19C0010BD529BDC87CF126013A16A9EABF6FE406F506B9782E99CD4C1727ABBF70FF84DE
EBA5E7950697E9005F657460C6CF7A3F94487EF367B6EFE11FA2772

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

Hash value:

73C56F6C249346BF5A2D2412F2C9D73F976683CB54B3AE5C5FA721CE27915791BDFB5F12D9
90630DF17C441B5EC8CCB2A934EA43C599E2FC736C79FD3C82C7A2

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

Hash value:

EF04C37EEAA1543A40C0EAD4AB487F95928C8F9793B5BAAAC3584E29F7693F5B3429732FC
007B25F970A5E0ED78972B7501607682292AE4CC1DA387584EF55A7

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

Hash value:

3BD679A1EB142A4FAFCCDE93423C152D72F963F1514FCE860C47337214BF1BA5796F5F78E9
8B5EE55A80AF3B363B002F483C4797F7C3FB6EC1600669D370DAC2

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

Hash value:

68C4C5A82F844201509778971B317E497D7A88A3023EDFA56DED1191E5C4224371204E40986
F9B6C11C953FA31A94B0132FDFB05930F8255C28850EA1F734BB7

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

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Hash value:

1535BCCA791DFDCBA59E72217E3294818E4104FD3464BD35BCA753756BFD48F201DB593C6
F7E15C6A8EC7E95A10D71393D6221E23797691AD20EF8905DD3CE79

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

Hash value:

FB42916A8DA783652C6AB2414331114B9B2E2C80B8714D7B96674800161BE2908C04663F607
36D112EA0BC87D02BF592D026AAD4609BA5C272D0B901CE683307

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

Hash value:

9844C1EC8731BC0628B9D122A147D5E34A878258CDB27BC8287041AFF333F5DDF28DCDBE7
572648A6D1DDF3C95F15F136D011158D0372DDE5FE56B6B5DEDB15B

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

Hash value:

B1E2238D847C31AC67D359012C563A08A63D6AD599D7420003E5BEF7BBE90317A5CF29305A
BCAD4D12F51CAAE5BE78EC02B38C7D9C8E2A423825BB9C560E96C3

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

Hash value:

701C2F90067C3C177A58FB785175084DF53A9ADE8D9F32F82987207AC996ED1E472B6C73AB
8F0D4F517FB310C00AAA631E8DE52BAE36BD30EF6F238D533A48B8

12. **"Ballot Images, District 4 - ZIP,"** contains scanned ballot images in zipped TIFF format.

Hash value:

A0AEDDCF25D657CBA14B3598800A6DDA5A63C4938AC29150F95446FEBF6B58EE0E6FECDC
550DF4D5789F16A3BF35E8BBC83EF4008A901154C3F0A7B0E00AA894

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

Hash value:

76ABF9A77D7A19D4698E6AB250D5DA4F2B0701FCFC49FA7689546547D0FA4DC0258D3F017
CE33C541822A86C88B555ABD6DE1F30970E61A32C189DA8FB2BDF33

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

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Hash value:

157DC419CF5973C693C0DC7A356340951F880741DD53A7BE9AD79FE16F29B2DA8D763DEA8
4084C410755BBDF7FA1989C490738987DEDEAF17DACDADB0624A74F

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

Hash value:

417E5A664C5A522F7C9CE77C94DE1CEB6B18B4582EB764A8D71922F5BB5E11B49A842736D
44821E5D3932F5CA811397E3A9D2174B360F46A6324BF86FB73FFF3

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

Hash value:

0B3CBA92A94BEA9A3A83377B4D84386B2F79E9860CC8D4D04B27C18880F4B50398AEEAE35
FC3B737746C0032B611BA9342EC9FF9C53FCF4B4A331F44AB7847D2

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

Hash value:

82BF1C93E43DBA2649E25EB6FF0BAD196E28967BBCF664967884A48C88FC9A5670EADA549
CD092771ECE226495A4FE4870CA862423B4C2FFFD4EA023CDE2284

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

Hash value:

3818769CD808BAEA41663B1EF355EE1788B17F254B1A9AE5BDBE47936C00AC31F0F2EE062
D49F558960377C923354A283FDB605616DB911C42A8B2956A1D2C3E

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

Hash value:

C28B8A654A595D7212CB0C7A7A20D182BE923F1D49BB49510D406D83CBCAA7D8D29D71051
EF5DABCA896D0612AE9EED51AED89C30ABCFC1AC1C6E9950D188C43

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

Hash value:

21C5FC2344D9DD9EA865D2F51954827C3557703C2887A5060C64C2DAF03198B45E450C01626
B434B980460673B0EC7343B694FDBE271B232D9B1EE22005467CD

21. "Ballot Scanning Machine Logs - ZIP," audit logs from Ballot Scanning Machines used at Polling Places on Election Day.

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Hash value:

25F64481C1A617C0129B1B48582225349F9DDFFA963DD843F17A9F4EC4F1B20949353510C580
C4893009699BA438D9242043755B31D49752C778B3C49454DF93

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

Hash value:

77966606D04BD03743C3C172925E2AFC7DA71FEC2AE8CC10662694237BF774CA53DDE7EFF6
1A0EE5F32BC226CB27371DEE69C5A1343F9E0DC87CB947E8A8B42D

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

Hash value:

B0BD78F25EA8DCEC022D3A027AC569FC37A3CD2B6C14DC2B803B3634659F797CCE5918A11
2BAB5B8EA813968C634003B7C7697EB89F926283909B3FF81FA8448

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

Hash value:

45AAE1595D9EA62F5F6301E794754366ED5A921BD64D9620551A2849DDFA74AA5D0D1773159
661CD75E9394D6FA59E89074A0F95FE75ED047397D9A7679F31E2

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

Hash value:

D82B4E023550926D9C24E2F49B368EC68B6366B4DE902E80235902AAB7D2D3318E4B9123086
BA6C5D026F30AF2885E573316116C95C5CB974ABFDA53E6674B8D



November 20, 2020

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

**November 3, 2020 Consolidated General Election
Results of 1% Post-Election Manual Tally**

Pursuant to state elections law, the San Francisco Department of Elections (Department) is required to conduct a manual tally of all ballots, including vote-by-mail and provisional ballots, cast in 1% of San Francisco's voting precincts and 1% of vote-by-mail and provisional ballots cast, as part of the Official Canvass of the election. The Department compares the results of the manual tally to the results reports generated by the voting equipment used to tabulate ballot cards. The purpose of the manual tally is to verify the accuracy of the voting equipment used in the election. Upon completion of the 1% manual tally, the Department prepares a report on the results of the manual tally 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 tally of 1% of the precinct, vote-by-mail, and provisional ballots for the November 3, 2020 Consolidated General Election.

Random Selection of Precincts

On November 12, 2020, the Department conducted a random selection of precincts and batches for the manual tally in accordance with California Elections Code section 15360 (d).

Five days prior to selecting the precincts for the manual tally, the Department issued a press release and posted a public notice on its website, [sfelections.org](https://www.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 November 3rd election, the Department was required to conduct a manual tally of ballots cast in a minimum of six precincts, to represent 1% of San Francisco's 606 precincts included in the election, and 1% of all vote-by-mail and provisional ballots. State elections law also requires a manual tally of votes cast be conducted on all contests present in the election.

The random selection was divided in three categories. The first category was for selecting six precincts for ballots cast at the polling places. The second category was for selecting 27 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. Because the randomly selected first six precincts for the precinct ballots did not cover include all of the contests in the election, an additional four

precincts were randomly selected to cover the remaining contests. For these additional precincts, only the contests for BART District 7 and the Board of Supervisors for Districts 1, 3, and 11 were tallied. Likewise, since the one batch of PV ballots did not cover all contests in the election, an additional 3 batches were randomly selected to cover the remaining contest. For this additional PV ballot batches, only the contests for State Assembly District 19, U.S. Representative District 14, Board of Supervisors, Districts, 1, 3, 5, 7, 9, and 11 were manually tallied. For a list of randomly selected precincts and contests tallied in each precinct, see Part I below.

Conducting the 1% Manual Tally

The 1% manual tally of randomly selected precincts and batches began on Friday, November 13, 2020 and completed on Wednesday, November 18, 2020. The manual tally took place at the Department's warehouse at Pier 31, along Embarcadero St. The manual tally was open to public observation both in person and via live streaming on the Department's website at sfelections.org/live.

For each selected precinct and batch, Department personnel manually tallied votes cast on the ballots, including precinct 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 from the voting system ballot counts. If there were any discrepancies between the two tallies, the Department sought resolution or explanations for these discrepancies.

For this election, the Department have to test the voting system's application of the ranked-choice voting (RCV) algorithm. There were six RCV contests in this election.

Department personnel worked in eight four-person teams to manually tally votes on precinct ballots, vote-by-mail ballots, and provisional ballots. Each team was assigned one precinct or one batch to count at a time. Once all the votes for a contest had been counted, a supervisor verified that 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.

Department personnel attempted to resolve any discrepancies between the manual tally and the machine count and documented the resolutions on Manual Tally Incident forms. For this election, there were four discrepancies found during the 1% manual tally. There were other Initial discrepancies but these were superficial and were due to miscounts by the team members.

Results of the 1% Manual Tally

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 tally of 1% of San Francisco's precincts for the November 3rd election, the Department found no variances between the manual tallies and the results reports caused by voting equipment malfunction, see Appendix B.

The results of the 1% manual tally confirm that the voting equipment used in the November 3, 2020 Consolidated General Election accurately tabulated votes cast for contests appearing on the official ballot.

Following are tables that summarizes the manual tallies.

Part I: Randomly Selected Precincts and Contests Tallied for the 1% Manual Tally

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

Part I:

The following table provides a list of randomly selected precincts and the contests tallied for each precinct.

Randomly Selected Precincts and Batches Included in the 1% Manual Tallies November 3, 2020 Election			
Initial six precincts selected for Precinct Ballots			
Order Drawn	Precinct	Ballot Type	Contests Tallied
1st	9512	29	All
2nd	9755	34	All
3rd	9708	32	All
4th	7938	19	All
5th	7052	7	All
6th	7832	18	All
Additional four precincts selected to cover contests not included in the initial six precincts			
7th	7644	15	BART, District 7
8th	9138	23	Supervisor, District 1
9th	7318	11	Supervisor, District 3
10th	1114	1	Supervisor, District 11
Batches selected for VBM Ballots			
Order Drawn	Batch (Box) #	Ballot Type	Contests Tallied
1st	1260	Mixed	All
2nd	1441	Mixed	All
3rd	0964	Mixed	All
4th	2205	Mixed	All
5th	2507	Mixed	All
6th	0237	Mixed	All
7th	2114	Mixed	All
8th	0112	Mixed	All
9th	0332	Mixed	All
10th	0122	Mixed	All
11th	2649	Mixed	All
12th	1037	Mixed	All

Order Drawn	Batch (Box) #	Ballot Type	Contests Tallied
13th	2362	Mixed	All
14th	0849	Mixed	All
15th	0387	Mixed	All
16th	0919	Mixed	All
17th	0019	Mixed	All
18th	2186	Mixed	All
19th	0982	Mixed	All
20th	2322	Mixed	All
21st	1284	Mixed	All
22nd	1928	Mixed	All
23rd	2061	Mixed	All
24th	0305	Mixed	All
25th	1833	Mixed	All
26th	0730	Mixed	All
27th	0589	Mixed	All
Initial batch selected for PV Ballots			
Order Drawn	Batch #	Ballot Type	Contests Tallied
1st	4057	Mixed	All
2nd	4011	Mixed	Board of Supervisors, District 5
3rd	4023	Mixed	Board of Supervisors, District 9
4th	4028	Mixed	State Assembly, District 19
4th	4028	Mixed	U.S. Representative, District 14
4th	4028	Mixed	Board of Supervisors, District 1
4th	4028	Mixed	Board of Supervisors, District 3
4th	4028	Mixed	Board of Supervisors, District 7
4th	4028	Mixed	Board of Supervisors, District 11

Part II:

The following table provides a summary of the results of the 1% manual tally, including any discrepancies between the manual tally and the results reports generated by the voting equipment and possible causes of these discrepancies.

Summary of Results of the 1% Manual Tally November 3, 2020 Election			
Precinct	Contests Tallied	Precinct Ballots	
		Discrepancies found?	Causes
9512	All	No	NA
9755	All	No	NA
9708	All	No	N/A
7938	All	No	NA
7052	All	No	NA
7832	All	No	NA
7644	BART, District 7	No	NA
9138	Supervisor, District 1	No	NA
7318	Supervisor, District 3	No	NA
1114	Supervisor, District 11	No	NA
Batch	Contests Tallied	Vote-by-Mail Ballots	
(Box) #		Discrepancies found?	Causes
1260	All	No	NA
1441	All	No	NA
0964	All	No	NA
2205	All	No	NA
2507	All	Yes	Misadjudication : Card 1 – One ballot card included a vote for a candidate whose name was printed on the ballot, and a vote in the write-in space. The disposition should have been as an overvote but was instead adjudicated as a vote for the candidate whose name is printed on the ballot Donald Trump, creating the discrepancy
0237	All	No	NA
2114	All	No	NA
0112	All	No	NA

Batch (Box) #	Contests Tallied	Vote-by-Mail Ballots	
		Discrepancies found?	Causes
0332	All	No	NA
0122	All	No	NA
2649	All	No	NA
1037	All	No	NA
2362	All	No	NA
0849	All	No	NA
0387	All	No	NA
0919	All	No	NA
0019	All	No	NA
2186	All	Yes	An extra Card 1 was included in this batch that may have belonged to another batch. This created a one vote discrepancy in every contests on that card.
0982	All	No	NA
2322	All	No	NA
1284	All	No	NA
1928	All	No	NA
2061	All	No	NA
0305	All	No	NA
1833	All	No	NA
0730	All	No	NA
0589	All	Yes	A Card 1 ballot that belonged to this batch may have been misplaced in another batch. This created a one vote discrepancy in every contest on that card. Misadjudication : Card 4 – one ballot card included a vote for a candidate whose name is printed on the ballot, and the oval for the write-in space was also filled-in although no candidate name was written. This should have been adjudicated as a vote the candidate listed on the ballot but was instead adjudicated as an undervote, creating the discrepancy.

Batch	Contests Tallied	Provisional Ballots	
(Box) #		Discrepancies found?	Causes
57	U.S. Representative District 12; State Assembly, District 17, BART Districts 7 and 9	No	NA
11	Board of Supervisors, District 5	No	NA
23	Board of Supervisors, District 9	No	NA
28	State Assembly District 19, U.S. Representative District 14, Board of Supervisors, Districts, 1, 3, 7, and 11	No	NA