



Memorandum

To: Honorable Edwin M. Lee, Mayor
Honorable Members, Board of Supervisors

From: John Arntz, Director of Elections

Date: May 9, 2011

RE: Report to the Board of Supervisors Regarding Results of 2010 Census Data

The purpose of this memorandum is to report to the Board of Supervisors (Board), as required under San Francisco Charter section 13.110(d), that the data compiled by the U.S. Census Bureau (Bureau) from the 2010 Decennial Census requires the Board, by ordinance, to convene and fund a Redistricting Task Force (Task Force) to redraw boundary lines for San Francisco's supervisorial districts. The Board must convene the Task Force no later than July 6, 2011 and the Task Force must complete its work by April 15, 2012. The Task Force's determination of district lines is final.

The full text of Charter section 13.110 is attached to this memorandum.

Charter Section 13.110(d): The Board of Supervisors Convenes and Funds Task Force
San Francisco Charter (Charter) section 13.110(d) provides the steps the City must take whenever the Bureau publishes Decennial Census data. The Director of Elections must report to the Board within 60 days of publication of the Census data and indicate whether current supervisorial district lines fit narrow criteria. If the Director of Elections reports that the current boundary lines do not fit the criteria, within 60 days of the Director of Elections' report, the Board must convene and fund a Redistricting Task Force.

The Mayor, Board, and the Elections Commission each appoint three members to the Task Force. The Director of Elections serves as an ex officio, non-voting member of the Task Force. The Charter requires the City Attorney to add the metes and bounds for the new district lines as an appendix to the Charter after the Task Force completes its work.

Report on Population in San Francisco's Supervisorial Districts

The total population in San Francisco reported in the 2010 Census is 805,235. The Census data indicates that San Francisco's population added 28,502 residents, a 3.7% increase, from the 2000 Census count of 776,733 people. The reported increase in population, however, was not uniform amongst the 11 supervisorial districts.

For those districts in which the number of residents grew, the increases range from a low of 1.2% to a high of 35%. Conversely, several districts experienced decreases in population ranging from -1% to -7.6%.

Table 1 below lists the population changes in each district by comparing data reported in the 2000 and 2010 Decennial Censuses. See also Attachment 3 for a map displaying the differences in population counts amongst the supervisorial districts.

TABLE 1

	2010 Census	2000 Census	Difference	% Change
District 1	68,253	69,978	-1,725	-2.47%
District 2	68,021	67,222	799	1.19%
District 3	68,955	70,150	-1,195	-1.70%
District 4	71,586	70,672	914	1.29%
District 5	70,675	71,217	-542	-0.76%
District 6	94,788	70,197	24,591	35.03%
District 7	69,825	68,877	948	1.38%
District 8	69,263	70,059	-796	-1.14%
District 9	65,673	71,044	-5,371	-7.56%
District 10	78,661	73,196	5,465	7.47%
District 11	79,535	74,121	5,414	7.30%
Total	805,235	776,733	28,502	3.67%
Mean	73,203	70,612	2,591	

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P1, 2000 Census Data from SFGIS, Census 2000_Blk.

District Populations to Match Mean Average: 73,203

The mean average population for each district is determined by dividing the total number of residents counted in the Census (805,235) by the number of supervisorial districts (11). When dividing 805,235 by 11, the quotient is 73,203. Thus, the mean average is 73,203, and, ideally, the populations for each district will be plus or minus (\pm) 1% of this number.

Section 13.110 does allow an expanded variance up to $\pm 5\%$ but only when it is "necessary to prevent dividing or diluting the voting power of minorities and/or to keep recognized neighborhoods intact," and to "reflect communities of interest within the City and County."

Districts must conform to all legal requirements, including the requirement that they be equal in population. Population variations between districts should be limited to 1 percent from the statistical mean unless additional variations, limited to 5 percent of the statistical mean, are necessary to

prevent dividing or diluting the voting power of minorities and/or to keep recognized neighborhoods intact; provided, however, that the redistricting provided for herein shall conform to the rule of one person, one vote, and shall reflect communities of interest within the City and County.
 Charter section 13.110(d)

Comparing Population in Each District to the Mean Average

An increase or decrease in the number of people reported in the Census data is not dispositive towards requiring the convening of the Redistricting Task Force. Instead, the primary consideration is whether the number of people reported for each of the 11 districts falls within the ±1% variance from the mean average population.

When reviewing Table 1 above, it is clear that none of the districts have populations matching the mean average of 73,203 people.

- The range of population in the current supervisorial districts ranges from 65,673 to 94,788.
- None of the 11 supervisorial districts are within plus or minus (±) 1 % of the mean.
- The populations five districts are more than 5% below the mean (Districts 1, 2, 3, 8, and 9).
- Three districts have populations greater than 5% of the mean (Districts 6, 10, and 11).
- Three districts' populations are between 1% and 5% below the mean (Districts 4, 5, and 7).

Table 2 below lists the differences in population in each supervisorial district reported in the 2010 Census Report and the 2000 Census. See also Attachment 5 for a map displaying a comparison of population counts for each supervisorial district to the mean average.

TABLE 2

District 1	-1,725	District 7	948
District 2	799	District 8	-796
District 3	-1,195	District 9	-5,371
District 4	914	District 10	5,465
District 5	-542	District 11	5,414
District 6	24,591		

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P1, 2000 Census Data from SFGIS, Census 2000_Blk.

Table 3 lists the six supervisorial districts with population increases since 2000.

TABLE 3

District 2:	799
District 4:	914
District 6:	24,591
District 7:	948
District 10:	5,465
District 11:	5,414

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P1, 2000 Census Data from SFGIS, Census 2000_Blk.

Table 4 lists the five districts with population decreases since 2000.

TABLE 4

District 1:	-1,725
District 3	-1,195
District 5:	-542
District 8	-796
District 9:	-5,371

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P1, 2000 Census Data from SFGIS, Census 2000_Blk.

See also Attachments 6 and 7 for maps displaying Census block data from the 2000 and 2010 Censuses relative to each supervisorial district. Additionally, see Attachments 8, 9, and 10 for Census information relative to San Francisco's neighborhoods.

Census Data Summarizing How People Reported their Race

Table 5 below indicates the number of people in each supervisorial district who identified themselves among the seven categories for race listed on the Bureau's questionnaire: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, White, Some Other Race, and Two or More Races.

The Census Bureau considers Hispanic or Latino populations as an ethnic group and reports this group separately from the seven race categories listed above. The Bureau includes a question in the Census to account for people's origins, lineage heritage, and place of origin of one's ancestors to determine whether they are to be included in the Hispanic or Latino tables. The Bureau, based on the U.S. Office of Management and Budget's (OMB) guidelines, considers race and Hispanic or Latino origin as "separate and distinct concepts" since especially since people of any race may

be included in this group. Even when including "Some Other Race" to the questionnaire, people whose ethnicity is Hispanic or Latino self-identify their race amongst all of the seven categories.¹

Table 5 below lists population counts from the 2010 Census for each supervisorial district for the seven categories encompassing race.

TABLE 5

District	Total Population	American Indian Alaska Native	Asian	Black or African American	Hawaiian Other Pacific Islander	White	Some Other Race	Two or More Races
1	68,253	212	30,086	1,257	111	31,710	1,587	3,290
2	68,021	104	9,682	1,012	98	53,794	864	2,467
3	68,955	183	31,481	1,620	102	31,796	1,580	2,193
4	71,586	150	41,279	909	120	25,233	1,274	2,621
5	70,675	298	12,482	7,544	149	44,206	2,339	3,657
6	94,788	1,016	26,881	9,107	333	44,352	8,116	4,983
7	69,825	211	23,890	2,346	147	37,362	2,159	3,710
8	69,263	313	8,236	1,989	115	52,475	2,608	3,527
9	65,673	619	14,077	2,359	256	32,810	11,605	3,947
10	78,661	467	29,206	16,215	1,641	17,750	9,521	3,861
11	79,535	451	40,615	4,512	287	18,899	11,368	3,403
Totals	805,235	4,024	267,915	48,870	3,359	390,387	53,021	37,659

Source: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2, 2000 Census Data from SFGIS

¹ United States Census Bureau. *Overview of Race and Hispanic Origin: 2010, 2010 Census Briefs*. By Karen R. Humes, Nicholas A. Jones, and Roberto R. Ramirez. Web. March 2011.

Table 6 below lists population counts from the 2000 Census according to supervisorial districts for the seven race categories.

TABLE 6

District	Total Population	American Indian Alaska Native	Asian	Black or African American	Hawaiian Other Pacific Islander	White	Some Other Race	Two or More Races
1	69,978	162	30,772	1,330	125	33,706	1,273	2,610
2	67,222	129	8,641	1,161	110	54,693	755	1,733
3	70,150	187	33,300	1,253	127	32,155	1,185	1,943
4	70,672	146	37,778	854	100	28,498	929	2,367
5	71,217	335	10,505	11,458	174	43,674	1,827	3,244
6	70,197	773	18,177	7,303	264	33,158	6,468	4,054
7	68,877	157	22,500	2,579	142	38,709	1,767	3,023
8	70,059	364	6,526	2,560	141	54,226	3,191	3,051
9	71,044	602	14,265	2,961	311	32,186	16,283	4,436
10	73,196	334	23,125	22,378	1,996	15,404	6,801	3,158
11	74,121	269	33,976	6,678	354	19,319	9,889	3,636
Totals	776,733	3,458	239,565	60,515	3,844	385,728	50,368	33,255

Source: 2000 Census Data from SFGIS, Census 2000_Blk.

Table 7 lists the differences between the 2000 and 2010 Censuses for the number of people who identified themselves using one of the seven categories applied to race

TABLE 7

District	Total Population	American Indian Alaska Native	Asian	Black or African American	Hawaiian Other Pacific Islander	White	Some Other Race	Two or More Races
1	-1,725	50	-686	-73	-14	-1,996	314	680
2	799	-25	1,041	-149	-12	-899	109	734
3	-1,195	-4	-1,819	367	-25	-359	395	250
4	914	4	3,501	55	20	-3,265	345	254
5	-542	-37	1,977	-3,914	-25	532	512	413
6	24,591	243	8,704	1,804	69	11,194	1,648	929
7	948	54	1,390	-233	5	-1,347	392	687
8	-796	-51	1,710	-571	-26	-1,751	-583	476
9	-5,371	17	-188	-602	-55	624	-4,678	-489
10	5,465	133	6,081	-6,163	-355	2,346	2,720	703
11	5,414	182	6,639	-2,166	-67	-420	1,479	-233
Totals	28,502	566	28,350	-11,645	-485	4,659	2,653	4,404

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2, 2000 Census Data from SFGIS, Census 2000_Blk.

The comparison between data for race from the 2000 and 2010 Censuses indicates an increase in population for five of the seven race categories, and that populations in two categories decreased.

Table 8 lists the race categories for which the populations increased since 2000.

TABLE 8

American Indian Alaska Native	566
Asian	28,350
White	4,659
Some Other Race	2,653
Two or More Races	4,404

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2, 2000 Census Data from SFGIS, Census 2000_Blk.

Table 9 lists the race categories which decreased in population since 2000.

TABLE 9

Black or African American	-11,645
Hawaiian Other Pacific Islander	-485

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2, 2000 Census Data from SFGIS, Census 2000_Blk.

Table 10 provides the percentage change in the counts for each race category between the 2000 Census and the 2010 Census.

TABLE 10

District	Total Population	White	Black or African American	American Indian Alaska Native	Asian	Hawaiian Other Pacific Islander	Some Other Race	Two or More Races
1	-2.5%	-5.9%	-5.5%	30.9%	-2.2%	-11.2%	24.7%	26.1%
2	1.2%	-1.6%	-12.8%	-19.4%	12.0%	-10.9%	14.4%	42.4%
3	-1.7%	-1.1%	29.3%	-2.1%	-5.5%	-19.7%	33.3%	12.9%
4	1.3%	-11.5%	6.4%	2.7%	9.3%	20.0%	37.1%	10.7%
5	-0.8%	1.2%	-34.2%	-11.0%	18.8%	-14.4%	28.0%	12.7%
6	35.0%	33.8%	24.7%	31.4%	47.9%	26.1%	25.5%	22.9%
7	1.4%	-3.5%	-9.0%	34.4%	6.2%	3.5%	22.2%	22.7%
8	-1.1%	-3.2%	-22.3%	-14.0%	26.2%	-18.4%	-18.3%	15.6%
9	-7.6%	1.9%	-20.3%	2.8%	-1.3%	-17.7%	-28.7%	-11.0%
10	7.5%	15.2%	-27.5%	39.8%	26.3%	-17.8%	40.0%	22.3%
11	7.3%	-2.2%	-32.4%	67.7%	19.5%	-18.9%	15.0%	-6.4%
Totals	3.7%	1.2%	-19.2%	16.4%	11.8%	-12.6%	5.3%	13.2%

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2, 2000 Census Data from SFGIS, Census 2000_Blk.

HISPANIC OR LATINO ETHNICITY

As noted previously, to compile data to report Hispanic or Latino populations, the Bureau includes an additional question on the Census survey requesting people to select their place of origin. The Bureau, following OMB guidelines, considers Hispanic or Latino populations as a matter of ethnicity rather than race.

Table 11 presents the Bureau's data for the City's Hispanic or Latino populations from the 2010 Census. To determine this category, the Bureau reports the data as "Hispanic or Latino" and "Not Hispanic or Latino."

TABLE 11

District	Total Population	Hispanic or Latino	Not Hispanic or Latino
1	68,253	4,682	63,571
2	68,021	3,820	64,201
3	68,955	4,567	64,388
4	71,586	4,154	67,432
5	70,675	6,755	63,920
6	94,788	18,221	76,567
7	69,825	6,781	63,044
8	69,263	8,356	60,907
9	65,673	25,320	40,353
10	78,661	16,857	61,804
11	79,535	22,261	57,274
Totals	805,235	121,774	683,461

Source: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2,

Table 12 lists by supervisorial district the Bureau's counts for "Hispanic or Latino" compiled from the 2000 Census.

TABLE 12

District	Total Population	Hispanic or Latino	Not Hispanic or Latino
1	69,978	3,378	66,600
2	67,222	2,836	64,386
3	70,150	3,144	67,006
4	70,672	3,351	67,321
5	71,217	5,055	66,162
6	70,197	14,170	56,027
7	68,877	5,212	63,665
8	70,059	8,623	61,436
9	71,044	31,813	39,231
10	73,196	12,375	60,821
11	74,121	19,547	54,574
Totals	776,733	109,504	667,229

Source: 2000 Census Data from SFGIS, Census 2000_Blk.

Table 13 lists by supervisorial district the changes in counts between the 2000 and 2010 Census for "Hispanic or Latino" respondents.

TABLE 13

District	Total Population Change	Hispanic or Latino	Not Hispanic or Latino
1	-1,725	1,304	-3,029
2	799	984	-185
3	-1,195	1,423	-2,618
4	914	803	111
5	-542	1,700	-2,242
6	24,591	4,051	20,540
7	948	1,569	-621

District	Total Population Change	Hispanic or Latino	Not Hispanic or Latino
8	-796	-267	-529
9	-5,371	-6,493	1,122
10	5,465	4,482	983
11	5,414	2,714	2,700
Totals	28,502	12,270	16,232

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2, 2000 Census Data from SFGIS, Census 2000_Blk.

Table 14 indicates the percentage change in populations between the 2000 Census and the 2010 Census by supervisorial district for the categories Hispanic or Latino and Not Hispanic or Latino categories.

TABLE 14

District	% Change Population	% Change Hispanic or Latino	% Change Not Hispanic or Latino
1	-2.5%	38.6%	-4.5%
2	1.2%	34.7%	-0.3%
3	-1.7%	45.3%	-3.9%
4	1.3%	24.0%	0.2%
5	-0.8%	33.6%	-3.4%
6	35.0%	28.6%	36.7%
7	1.4%	30.1%	-1.0%
8	-1.1%	-3.1%	-0.9%
9	-7.6%	-20.4%	2.9%
10	7.5%	36.2%	1.6%
11	7.3%	13.9%	4.9%
Totals	3.7%	11.2%	2.4%

Sources: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2, 2000 Census Data from SFGIS, Census 2000_Blk.

Table 15 indicates the ethnic populations from the 2010 Census for each supervisorial district.

TABLE 15

District	Total Population	American Indian or Alaska Native	Asian	Black or African American	Hawaiian and other Pacific Islander	Hispanic or Latino	White	Some other race	Two or more races
1	68,253	104	29,867	1,184	103	4,682	29,365	262	2,686
2	68,021	71	9,602	955	95	3,820	51,213	205	2,060
3	68,955	118	31,348	1,536	93	4,567	29,441	161	1,691
4	71,586	88	41,053	852	108	4,154	23,105	180	2,046
5	70,675	184	12,328	7,373	137	6,755	40,717	257	2,924
6	94,788	539	26,620	8,646	288	18,221	36,747	355	3,372
7	69,825	126	23,681	2,243	136	6,781	33,701	272	2,885
8	69,263	152	8,112	1,886	92	8,356	47,825	255	2,585
9	65,673	142	13,862	2,081	226	25,320	21,983	191	1,868
10	78,661	194	28,958	15,735	1,594	16,857	12,793	165	2,365
11	79,535	110	40,269	4,290	256	22,261	10,561	191	1,597

Source: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2

Table 16 provides the percentage of each ethnic population reported in the 2010 Census for each supervisorial district. See also Attachment 11 for a map displaying the percentages of each ethnicity as reported for each supervisorial district.

TABLE 16

District	Total Population	% American Indian or Alaska Native	% Asian	% Black or African American	% Hawaiian and other Pacific Islander	% Hispanic or Latino	% White	% Some other race	% Two or more races
1	68,253	0.2%	43.8%	1.7%	0.2%	6.9%	43.0%	0.4%	3.9%
2	68,021	0.1%	14.1%	1.4%	0.1%	5.6%	75.3%	0.3%	3.0%
3	68,955	0.2%	45.5%	2.2%	0.1%	6.6%	42.7%	0.2%	2.5%
4	71,586	0.1%	57.3%	1.2%	0.2%	5.8%	32.3%	0.3%	2.9%
5	70,675	0.3%	17.4%	10.4%	0.2%	9.6%	57.6%	0.4%	4.1%
6	94,788	0.6%	28.1%	9.1%	0.3%	19.2%	38.8%	0.4%	3.6%
7	69,825	0.2%	33.9%	3.2%	0.2%	9.7%	48.3%	0.4%	4.1%
8	69,263	0.2%	11.7%	2.7%	0.1%	12.1%	69.0%	0.4%	3.7%
9	65,673	0.2%	21.1%	3.2%	0.3%	38.6%	33.5%	0.3%	2.8%
10	78,661	0.2%	36.8%	20.0%	2.0%	21.4%	16.3%	0.2%	3.0%
11	79,535	0.1%	50.6%	5.4%	0.3%	28.0%	13.3%	0.2%	2.0%

Source: US Census Bureau, 2010 Census Redistricting Data (PL 94-171), SFTable P2

The Department of Elections was unable to review Census files from 2000 regarding ethnicity to determine the changes in these populations as reported in the 2000 Census and the 2010 Census before this memorandum was issued. The Department will post on its website comparisons amongst Census files regarding ethnicity within two weeks.

Timeline

Below are key dates associated with the redrawing of supervisorial district boundary lines based on data from the 2010 Decennial Census.

May 9, 2011

Deadline for the Director of Elections to report to the Board whether the existing supervisorial lines are equal in population and conform to law.

July 6, 2011

Date the Board of Supervisors must convene and fund a Redistricting Task Force.

August 15

Deadline for the California Citizens Redistricting Commission to submit final maps to the Secretary of State indicating the new boundary lines for congressional, Assembly, State Senate, and Board of Equalization Districts.

April 15, 2012

Deadline by which the San Francisco Redistricting Task Force must complete the redrawing of boundary lines for San Francisco's supervisorial districts.

I will be glad to answer questions that you might have on these matters or to meet with you at your convenience.

ATTACHMENTS

Attachment 1: Text of San Francisco Charter section 13.110

Attachment 2: Text of California Constitution, Article 21

Attachment 3: Map of population differences between the 2000 Census and 2010 Census according to supervisorial districts.

Attachment 4: Chart showing variances of populations from the mean average for each supervisorial district.

Attachment 5: Map showing population variances from the mean average for each supervisorial district.

Attachment 6: Map of 2010 Census blocks for each supervisorial district.

Attachment 7: Map of 2000 Census blocks for each supervisorial district.

Attachment 8: Map of 2010 Census blocks for San Francisco's neighborhoods as defined by Department of Elections' Statement of Vote.

Attachment 9: Map of 2000 Census blocks for San Francisco's neighborhoods as defined by Department of Elections' Statement of Vote.

Attachment 10: Map showing population differences from the 2010 Census and the 2000 Census for San Francisco's neighborhoods as defined by Department of Elections' Statement of Vote.

Attachment 11: Map of ethnic populations reported in 2010 Census according to supervisorial districts.

cc: Dennis Herrera, City Attorney
Ben Rosenfield, Controller
Steve Kawa, Chief of Staff, Mayor's Office
Greg Wagner, Budget Director, Mayor's Office
Angela Calvillo, Clerk of the Board of Supervisors
Mollie Lee, Deputy City Attorney
Elections Commission