



Trustee Boundary Maps

Central Union Elementary School District

Presented by Ken Reynolds
President, SchoolWorks, Inc.

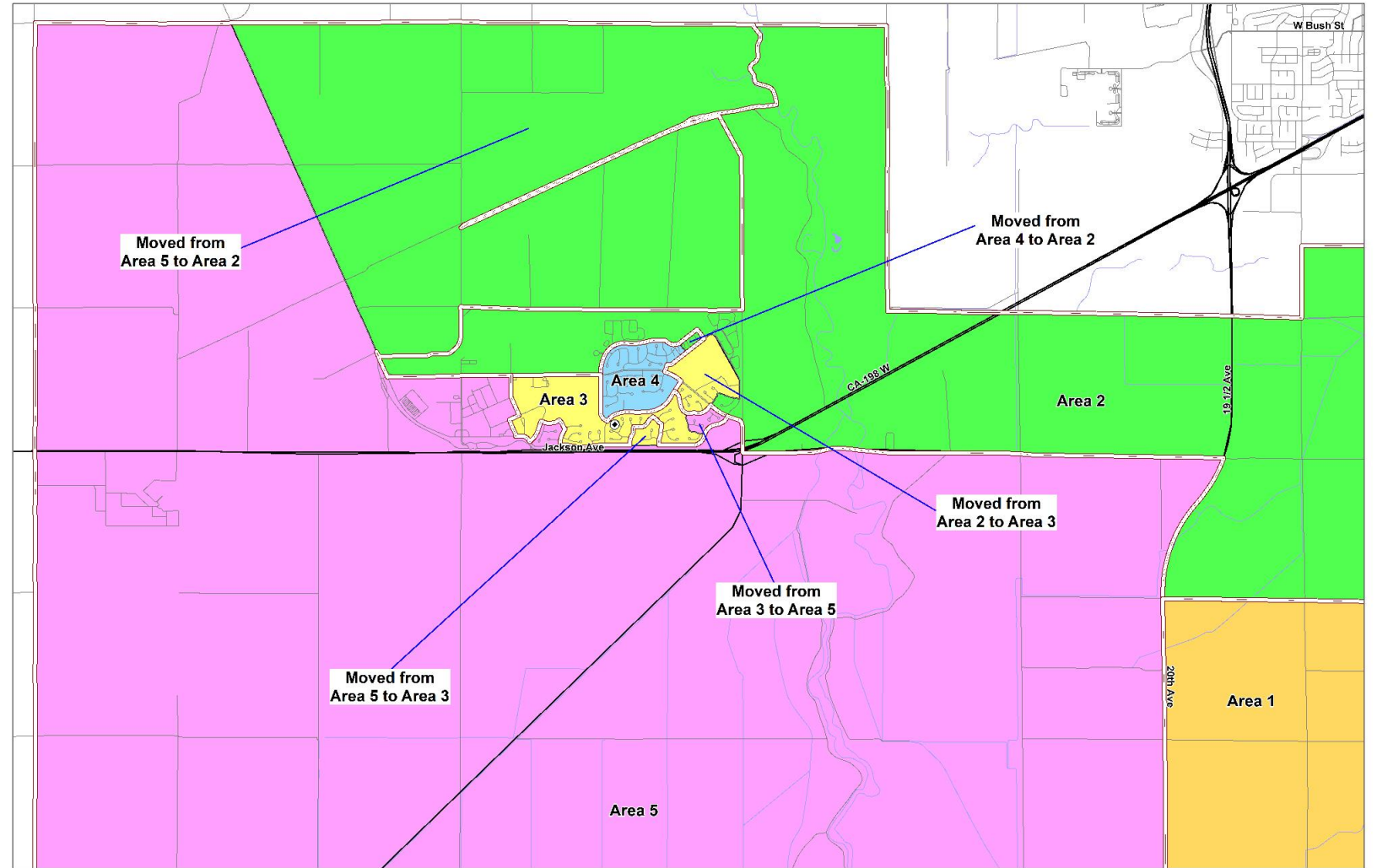
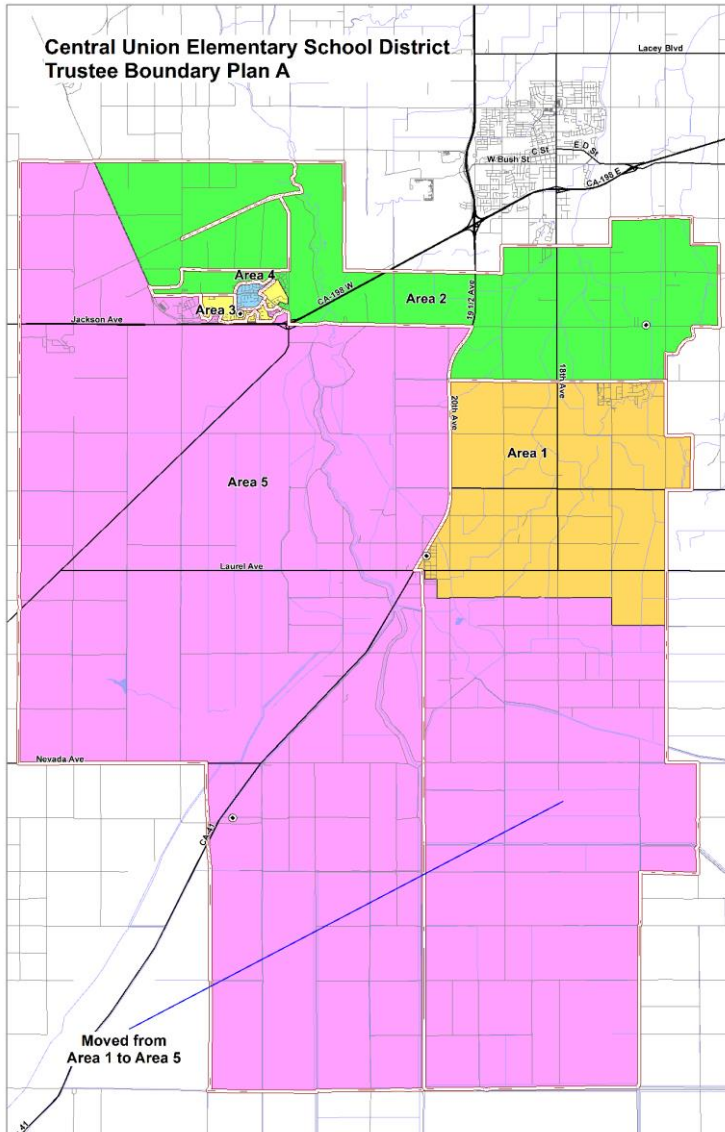


INTRODUCTION

This presentation illustrates several options for the District to re-balance the population for each of the trustee areas..

- The general guidelines for drawing trustee boundaries include:
 - Topography & Geography
 - Communities
 - Cohesiveness & Contiguous
 - Location of Current Trustees
 - Equal Population
- For each scenario, there are maps showing the boundaries for each trustee area, a table showing the population in each trustee area and the variance from the ideal population. The peak deviation must be less than 10% for the maps to meet the legal requirements. Finally, details of the racial/ethnic populations are provided.

Trustee Area Boundary Map A



Total Population and % Deviation, Map A

**Central Union School District
Census 2020 Data Summary by Trustee Areas
Plan A**

Total Population Statistics

Area:	1	2	3	4	5	Total
Trustees:	1	1	1	1	1	5
Population	2,037	1,981	2,023	2,024	2,060	10,125
% of Total Pop.	20.12%	19.57%	19.98%	19.99%	20.35%	
Ideal Pop.	2,025	2,025	2,025	2,025	2,025	
Ideal Pop. %	20.00%	20.00%	20.00%	20.00%	20.00%	
						Peak
Deviation	12	-44	-2	-1	35	79
Dev %	0.59%	-2.17%	-0.10%	-0.05%	1.73%	3.90%

Peak Deviation may not exceed 10%.

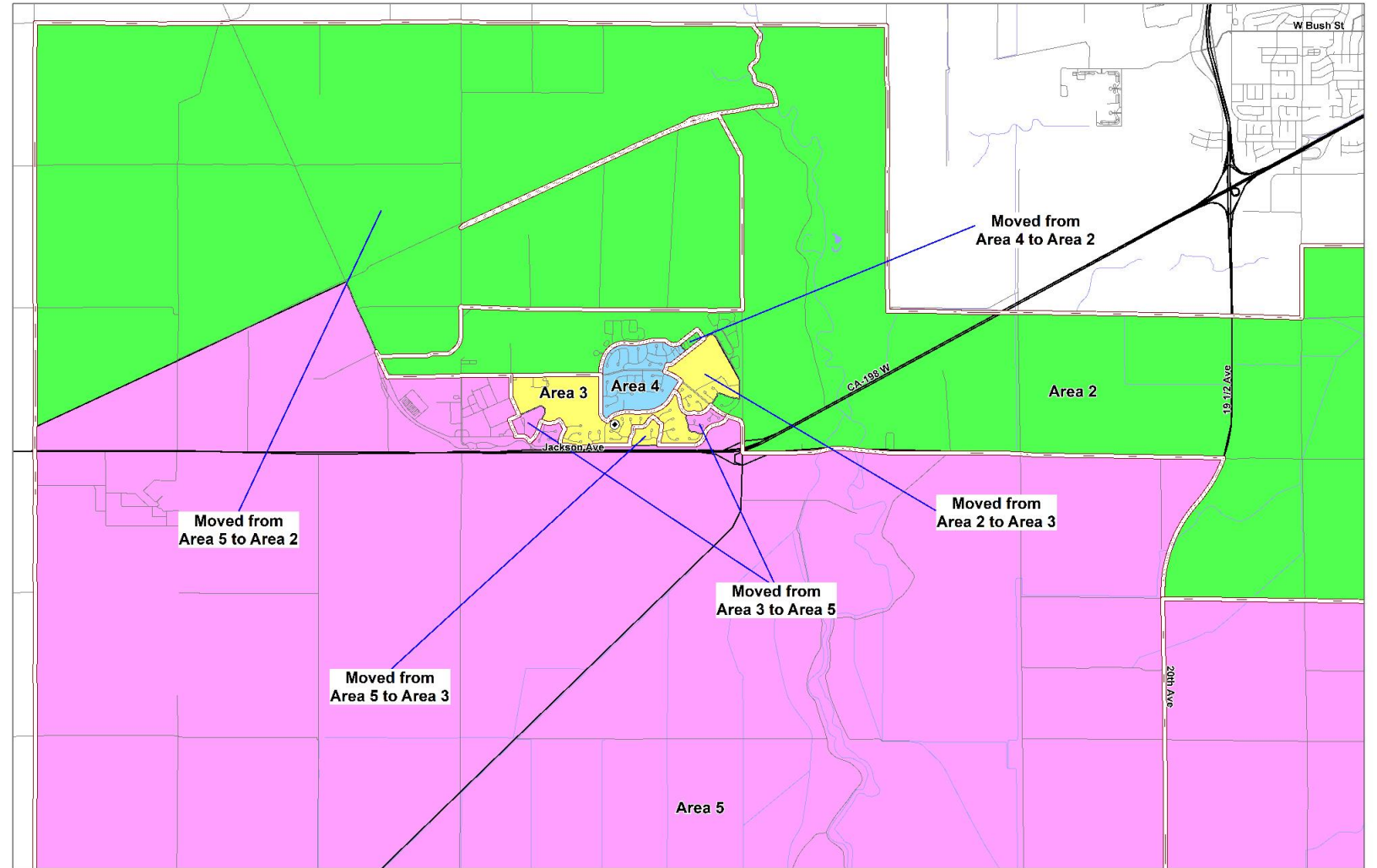
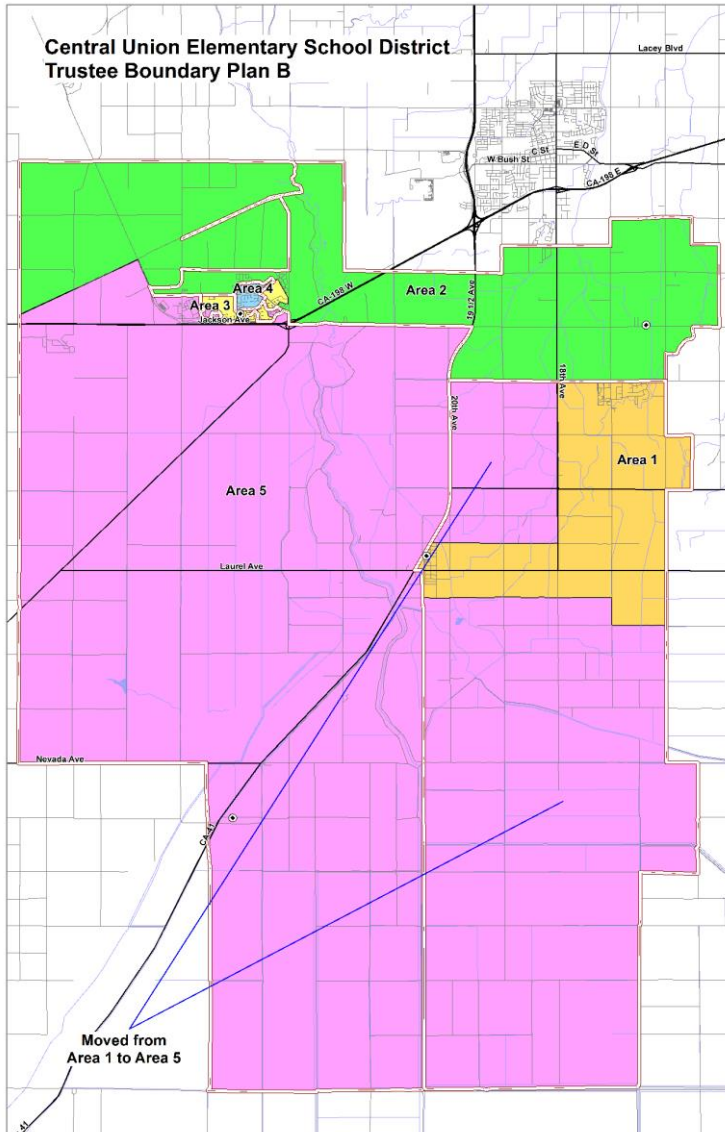
Demographics by Trustee Area, Map A

Census Data by Trustee Area including Racial/Ethnic details
Plan A

Area:	1	%	2	%	3	%	4	%	5	%	Total	%
Trustees:	1		1		1		1		1		5	
Total Population	2037		1981		2023		2024		2060		10125	
Hispanic	1070	52.53%	597	30.14%	519	25.65%	465	22.97%	819	39.76%	3470	34.27%
White - NH	230	11.29%	889	44.88%	887	43.85%	996	49.21%	791	38.40%	3793	37.46%
Black - NH	18	0.88%	205	10.35%	296	14.63%	238	11.76%	205	9.95%	962	9.50%
American Indian - NH	663	32.55%	9	0.45%	13	0.64%	9	0.44%	26	1.26%	720	7.11%
Asian - NH	6	0.29%	96	4.85%	117	5.78%	114	5.63%	96	4.66%	429	4.24%
Pacific Islander - NH	0	0.00%	25	1.26%	26	1.29%	21	1.04%	12	0.58%	84	0.83%
Other - NH	13	0.64%	23	1.16%	20	0.99%	1	0.05%	3	0.15%	60	0.59%
Multiple Races - NH	37	1.82%	137	6.92%	145	7.17%	180	8.89%	108	5.24%	607	6.00%
18+ Population	1376		1447		1257		1093		1632		6805	
Hispanic	709	51.53%	403	27.85%	313	24.90%	223	20.40%	611	37.44%	2259	33.20%
White - NH	204	14.83%	680	46.99%	578	45.98%	576	52.70%	655	40.13%	2693	39.57%
Black - NH	13	0.94%	174	12.02%	187	14.88%	141	12.90%	190	11.64%	705	10.36%
American Indian - NH	407	29.58%	6	0.41%	8	0.64%	5	0.46%	18	1.10%	444	6.52%
Asian - NH	4	0.20%	76	3.84%	78	3.86%	79	3.90%	92	4.47%	329	3.25%
Pacific Islander - NH	0	0.00%	22	1.52%	20	1.59%	8	0.73%	5	0.31%	55	0.81%
Other - NH	11	0.80%	14	0.97%	11	0.88%	1	0.09%	2	0.12%	39	0.57%
Multiple Races - NH	28	2.03%	72	4.98%	62	4.93%	60	5.49%	59	3.62%	281	4.13%
CVAP	968		1388		1382		1197		1600		6535	
Hispanic	384	39.67%	346	24.93%	329	23.81%	238	19.88%	436	27.25%	1733	26.52%
White - NH	207	21.38%	790	56.92%	669	48.41%	684	57.14%	752	47.00%	3102	47.47%
Black - NH	24	2.48%	186	13.40%	270	19.54%	187	15.62%	295	18.44%	962	14.72%
American Indian - NH	334	34.50%	1	0.07%	6	0.43%	7	0.58%	24	1.50%	372	5.69%
Asian - NH	16	1.65%	24	1.73%	51	3.69%	50	4.18%	71	4.44%	212	3.24%
Pacific Islander - NH	0	0.00%	5	0.36%	17	1.23%	3	0.25%	5	0.31%	30	0.46%
Multiple Races - NH	3	0.31%	36	2.59%	40	2.89%	28	2.34%	17	1.06%	124	1.90%

NH = Not of Hispanic Origin
CVAP = Citizen Voting Age Population

Trustee Area Boundary Map B



Total Population and % Deviation, Map B

**Central Union School District
 Census 2020 Data Summary by Trustee Areas
 Plan B**

Total Population Statistics

Area:	1	2	3	4	5	Total
Trustees:	1	1	1	1	1	5
Population	2,108	1,981	2,001	2,024	2,011	10,125
% of Total Pop.	20.82%	19.57%	19.76%	19.99%	19.86%	
Ideal Pop.	2,025	2,025	2,025	2,025	2,025	
Ideal Pop. %	20.00%	20.00%	20.00%	20.00%	20.00%	
						Peak
Deviation	83	-44	-24	-1	-14	127
Dev %	4.10%	-2.17%	-1.19%	-0.05%	-0.69%	6.27%

Peak Deviation may not exceed 10%.

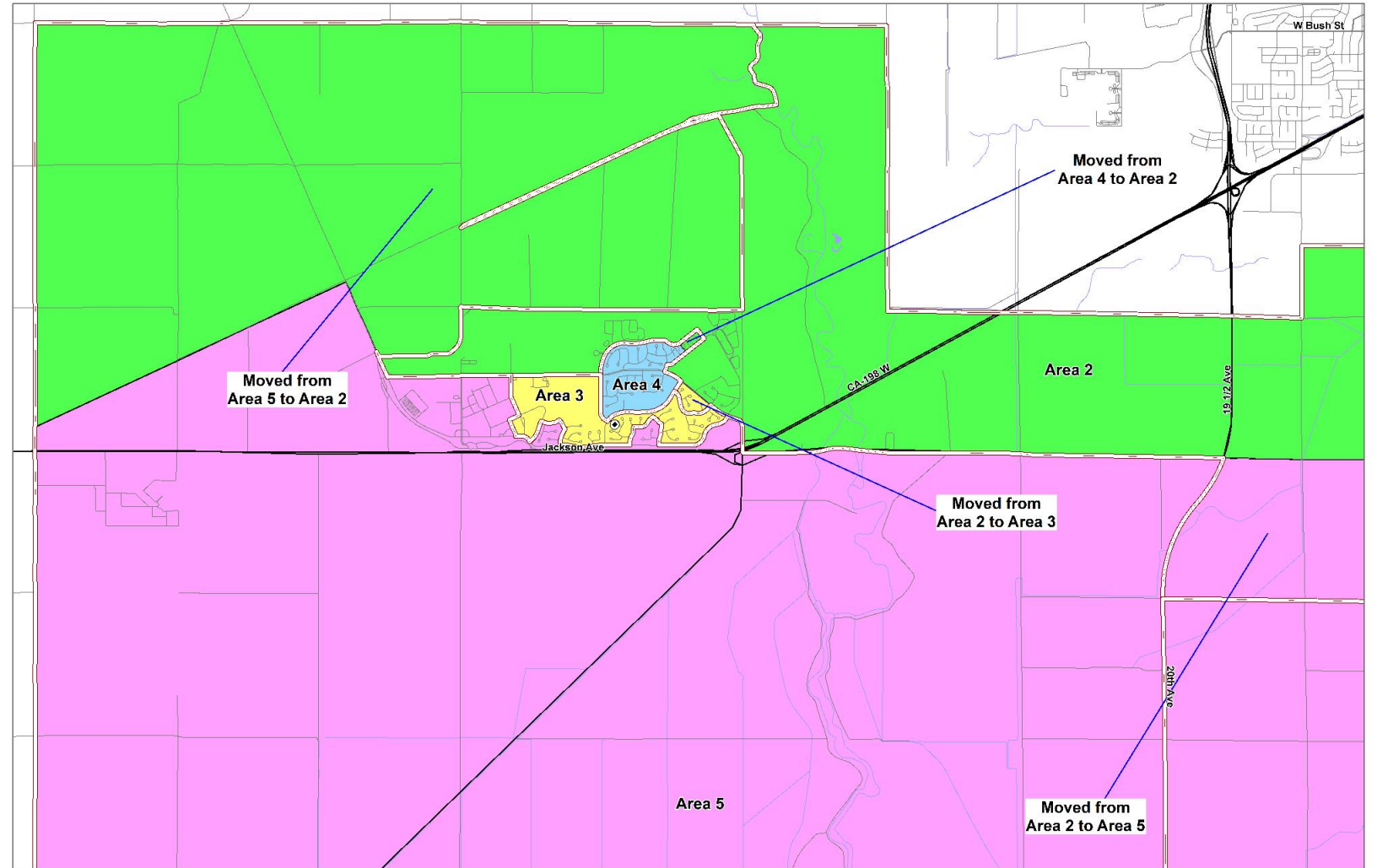
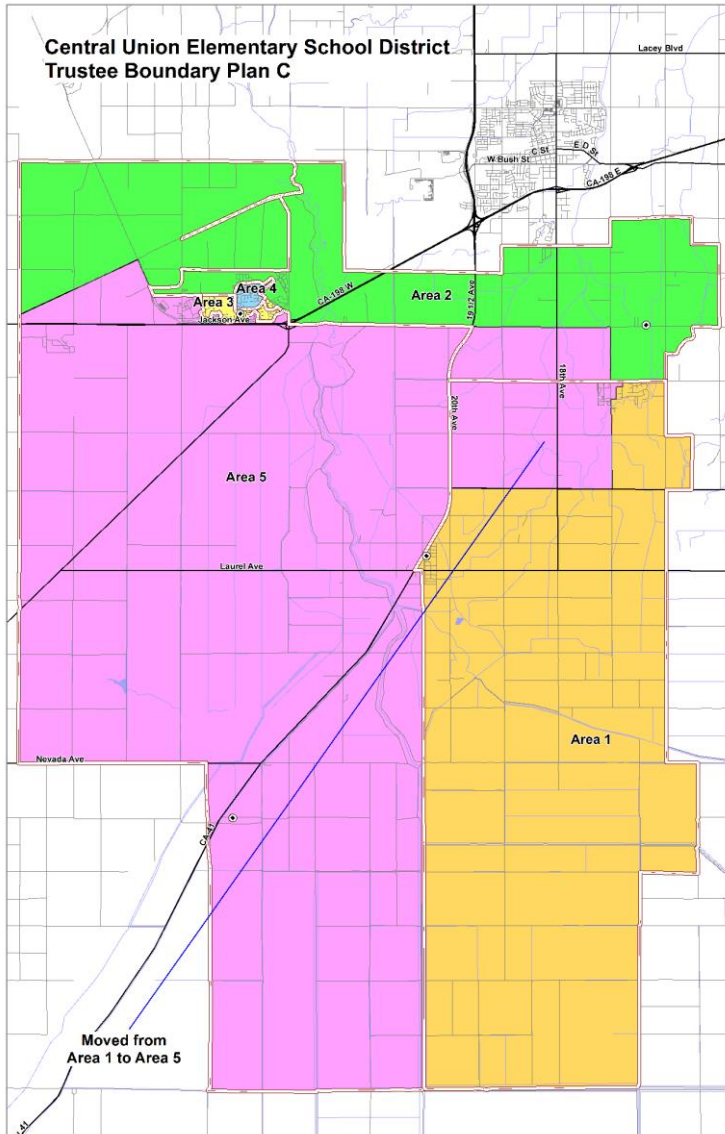
Demographics by Trustee Area, Map B

Area:	1	%	2	%	3	%	4	%	5	%	Total	%
Trustees:	1		1		1		1		1		5	
Total Population	2108		1981		2001		2024		2011		10125	
Hispanic	1223	58.02%	597	30.14%	509	25.44%	465	22.97%	676	33.62%	3470	34.27%
White - NH	160	7.59%	889	44.88%	882	44.08%	996	49.21%	866	43.06%	3793	37.46%
Black - NH	13	0.62%	205	10.35%	296	14.79%	238	11.76%	210	10.44%	962	9.50%
American Indian - NH	659	31.26%	9	0.45%	13	0.65%	9	0.44%	30	1.49%	720	7.11%
Asian - NH	5	0.24%	96	4.85%	117	5.85%	114	5.63%	97	4.82%	429	4.24%
Pacific Islander - NH	0	0.00%	25	1.26%	26	1.30%	21	1.04%	12	0.60%	84	0.83%
Other - NH	15	0.71%	23	1.16%	20	1.00%	1	0.05%	1	0.05%	60	0.59%
Multiple Races - NH	33	1.57%	137	6.92%	138	6.90%	180	8.89%	119	5.92%	607	6.00%
18+ Population	1423		1447		1245		1093		1597		6805	
Hispanic	834	58.61%	403	27.85%	309	24.82%	223	20.40%	490	30.68%	2259	33.20%
White - NH	141	9.91%	680	46.99%	577	46.35%	576	52.70%	719	45.02%	2693	39.57%
Black - NH	9	0.63%	174	12.02%	187	15.02%	141	12.90%	194	12.15%	705	10.36%
American Indian - NH	403	28.32%	6	0.41%	8	0.64%	5	0.46%	22	1.38%	444	6.52%
Asian - NH	3	0.14%	76	3.84%	78	3.90%	79	3.90%	93	4.62%	329	3.25%
Pacific Islander - NH	0	0.00%	22	1.52%	20	1.61%	8	0.73%	5	0.31%	55	0.81%
Other - NH	12	0.84%	14	0.97%	11	0.88%	1	0.09%	1	0.06%	39	0.57%
Multiple Races - NH	21	1.48%	72	4.98%	55	4.42%	60	5.49%	73	4.57%	281	4.13%
CVAP	918		1388		1375		1197		1657		6535	
Hispanic	411	44.77%	346	24.93%	325	23.64%	238	19.88%	413	24.92%	1733	26.52%
White - NH	147	16.01%	790	56.92%	668	48.58%	684	57.14%	813	49.06%	3102	47.47%
Black - NH	12	1.31%	186	13.40%	270	19.64%	187	15.62%	307	18.53%	962	14.72%
American Indian - NH	331	36.06%	1	0.07%	6	0.44%	7	0.58%	27	1.63%	372	5.69%
Asian - NH	15	1.63%	24	1.73%	51	3.71%	50	4.18%	72	4.35%	212	3.24%
Pacific Islander - NH	0	0.00%	5	0.36%	17	1.24%	3	0.25%	5	0.30%	30	0.46%
Multiple Races - NH	2	0.22%	36	2.59%	38	2.76%	28	2.34%	20	1.21%	124	1.90%

NH = Not of Hispanic Origin

CVAP = Citizen Voting Age Population

Trustee Area Boundary Map C



Total Population and % Deviation, Map C

**Central Union School District
Census 2020 Data Summary by Trustee Areas
Plan C**

Total Population Statistics

Area:	1	2	3	4	5	Total
Trustees:	1	1	1	1	1	5
Population	2,102	2,010	1,994	2,024	1,995	10,125
% of Total Pop.	20.76%	19.85%	19.69%	19.99%	19.70%	
Ideal Pop.	2,025	2,025	2,025	2,025	2,025	
Ideal Pop. %	20.00%	20.00%	20.00%	20.00%	20.00%	
						Peak
Deviation	77	-15	-31	-1	-30	108
Dev %	3.80%	-0.74%	-1.53%	-0.05%	-1.48%	5.33%

Peak Deviation may not exceed 10%.

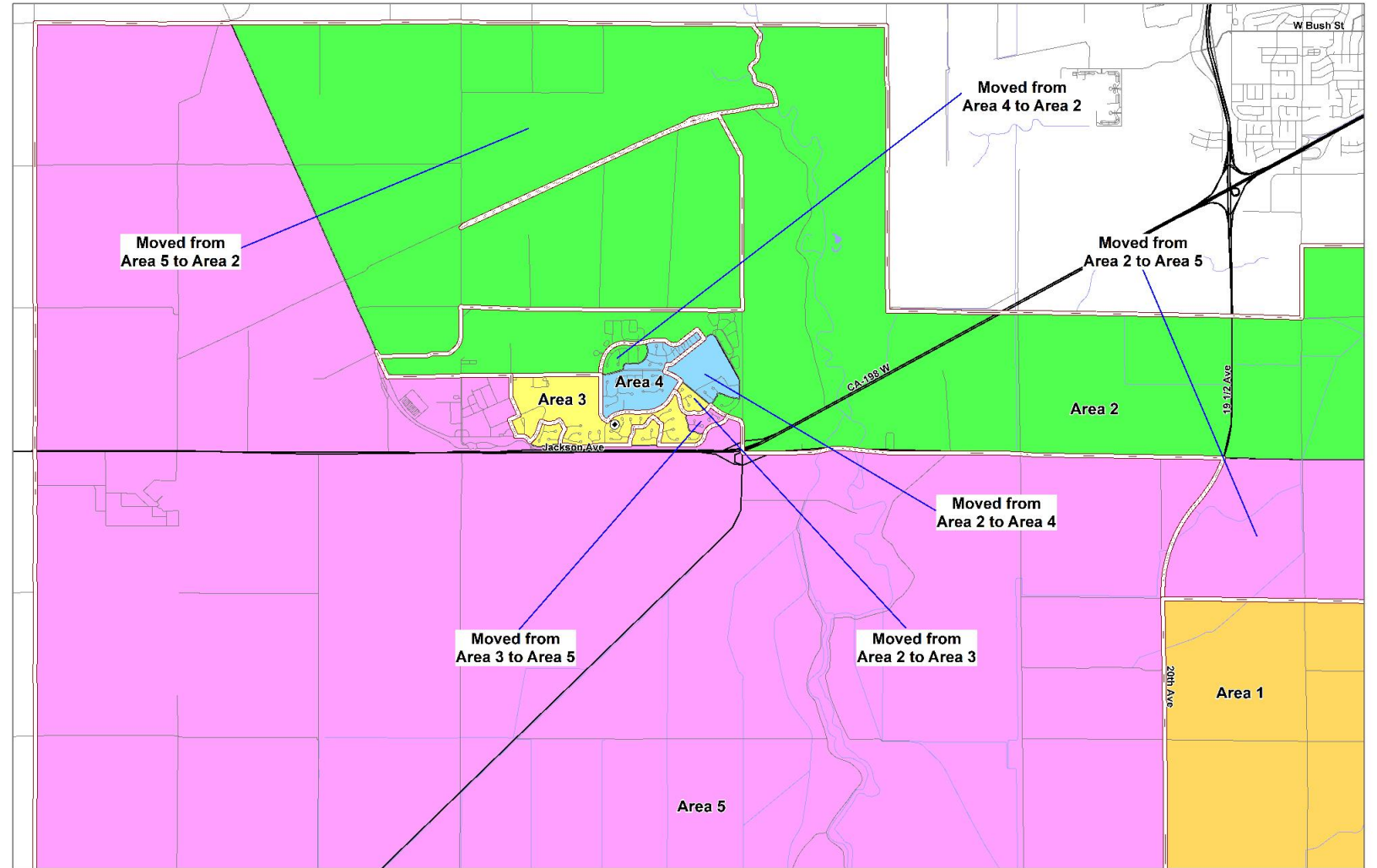
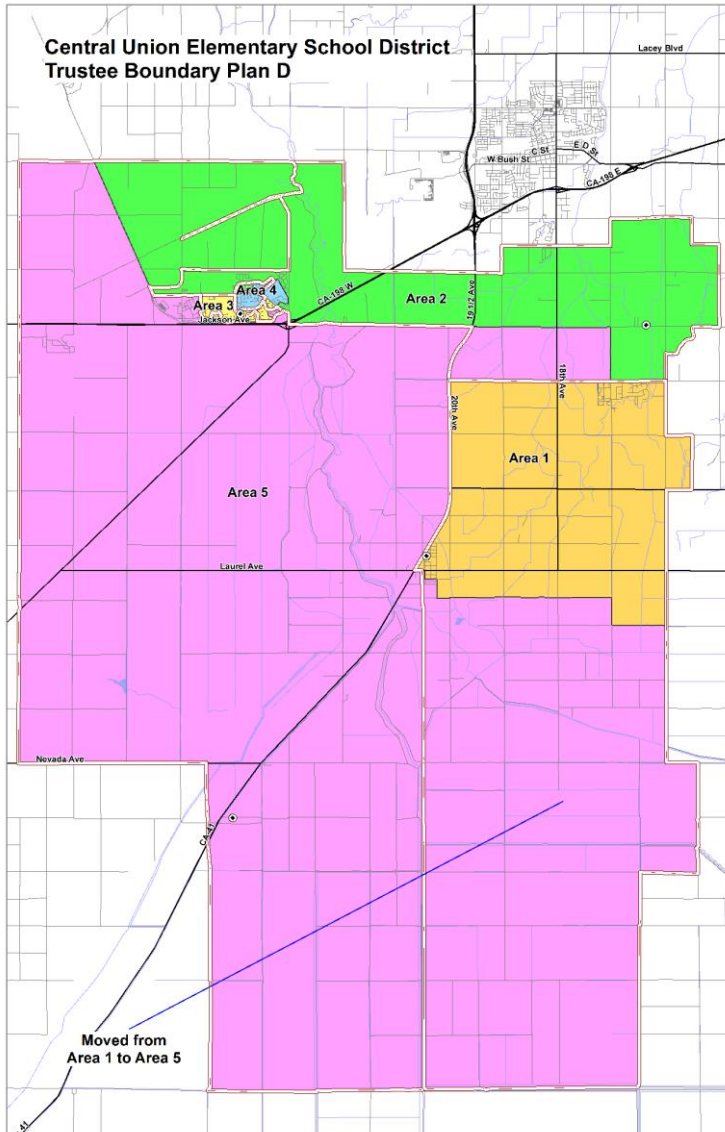
Demographics by Trustee Area, Map C

Census Data by Trustee Area including Racial/Ethnic details
Plan C

Area:	1	%	2	%	3	%	4	%	5	%	Total	%
Trustees:	1		1		1		1		1		5	
Total Population	2102		2010		1994		2024		1995		10125	
Hispanic	1262	60.04%	589	29.30%	475	23.82%	465	22.97%	679	34.04%	3470	34.27%
White - NH	217	10.32%	878	43.68%	919	46.09%	996	49.21%	783	39.25%	3793	37.46%
Black - NH	16	0.76%	220	10.95%	292	14.64%	238	11.76%	196	9.82%	962	9.50%
American Indian - NH	555	26.40%	10	0.50%	14	0.70%	9	0.44%	132	6.62%	720	7.11%
Asian - NH	4	0.19%	101	5.02%	118	5.92%	114	5.63%	92	4.61%	429	4.24%
Pacific Islander - NH	0	0.00%	37	1.84%	14	0.70%	21	1.04%	12	0.60%	84	0.83%
Other - NH	14	0.67%	24	1.19%	19	0.95%	1	0.05%	2	0.10%	60	0.59%
Multiple Races - NH	34	1.62%	151	7.51%	143	7.17%	180	8.89%	99	4.96%	607	6.00%
18+ Population	1413		1452		1244		1093		1603		6805	
Hispanic	843	59.66%	395	27.20%	285	22.91%	223	20.40%	513	32.00%	2259	33.20%
White - NH	188	13.31%	662	45.59%	603	48.47%	576	52.70%	664	41.42%	2693	39.57%
Black - NH	12	0.85%	183	12.60%	191	15.35%	141	12.90%	178	11.10%	705	10.36%
American Indian - NH	331	23.43%	7	0.48%	7	0.56%	5	0.46%	94	5.86%	444	6.52%
Asian - NH	2	0.10%	80	3.98%	88	4.41%	79	3.90%	80	4.01%	329	3.25%
Pacific Islander - NH	0	0.00%	31	2.13%	10	0.80%	8	0.73%	6	0.37%	55	0.81%
Other - NH	11	0.78%	14	0.96%	11	0.88%	1	0.09%	2	0.12%	39	0.57%
Multiple Races - NH	26	1.84%	80	5.51%	49	3.94%	60	5.49%	66	4.12%	281	4.13%
CVAP	906		1404		1376		1197		1652		6535	
Hispanic	415	45.81%	354	25.21%	301	21.88%	238	19.88%	425	25.73%	1733	26.52%
White - NH	192	21.19%	789	56.20%	711	51.67%	684	57.14%	726	43.95%	3102	47.47%
Black - NH	20	2.21%	185	13.18%	266	19.33%	187	15.62%	304	18.40%	962	14.72%
American Indian - NH	271	29.91%	1	0.07%	6	0.44%	7	0.58%	87	5.27%	372	5.69%
Asian - NH	6	0.66%	25	1.78%	53	3.85%	50	4.18%	78	4.72%	212	3.24%
Pacific Islander - NH	0	0.00%	8	0.57%	8	0.58%	3	0.25%	11	0.67%	30	0.46%
Multiple Races - NH	2	0.22%	42	2.99%	31	2.25%	28	2.34%	21	1.27%	124	1.90%

NH = Not of Hispanic Origin
CVAP = Citizen Voting Age Population

Trustee Area Boundary Map D



Total Population and % Deviation, Map D

**Central Union School District
Census 2020 Data Summary by Trustee Areas
Plan D**

Total Population Statistics

Area:	1	2	3	4	5	Total
Trustees:	1	1	1	1	1	5
Population	2,037	2,044	2,067	1,990	1,987	10,125
% of Total Pop.	20.12%	20.19%	20.41%	19.65%	19.62%	
Ideal Pop.	2,025	2,025	2,025	2,025	2,025	
Ideal Pop. %	20.00%	20.00%	20.00%	20.00%	20.00%	
						Peak
Deviation	12	19	42	-35	-38	80
Dev %	0.59%	0.94%	2.07%	-1.73%	-1.88%	3.95%

Peak Deviation may not exceed 10%.

Demographics by Trustee Area, Map D

Census Data by Trustee Area including Racial/Ethnic details
Plan D

Area:	1	%	2	%	3	%	4	%	5	%	Total	%
Trustees:	1		1		1		1		1		5	
Total Population	2037		2044		2067		1990		1987		10125	
Hispanic	1070	52.53%	531	25.98%	500	24.19%	523	26.28%	846	42.58%	3470	34.27%
White - NH	230	11.29%	992	48.53%	938	45.38%	882	44.32%	751	37.80%	3793	37.46%
Black - NH	18	0.88%	232	11.35%	308	14.90%	226	11.36%	178	8.96%	962	9.50%
American Indian - NH	663	32.55%	5	0.24%	14	0.68%	14	0.70%	24	1.21%	720	7.11%
Asian - NH	6	0.29%	106	5.19%	121	5.85%	109	5.48%	87	4.38%	429	4.24%
Pacific Islander - NH	0	0.00%	29	1.42%	20	0.97%	29	1.46%	6	0.30%	84	0.83%
Other - NH	13	0.64%	15	0.73%	19	0.92%	10	0.50%	3	0.15%	60	0.59%
Multiple Races - NH	37	1.82%	134	6.56%	147	7.11%	197	9.90%	92	4.63%	607	6.00%
18+ Population	1376		1456		1289		1089		1595		6805	
Hispanic	709	51.53%	348	23.90%	299	23.20%	270	24.79%	633	39.69%	2259	33.20%
White - NH	204	14.83%	726	49.86%	620	48.10%	512	47.02%	631	39.56%	2693	39.57%
Black - NH	13	0.94%	189	12.98%	200	15.52%	135	12.40%	168	10.53%	705	10.36%
American Indian - NH	407	29.58%	2	0.14%	9	0.70%	10	0.92%	16	1.00%	444	6.52%
Asian - NH	4	0.20%	84	4.11%	81	3.92%	75	3.77%	85	4.28%	329	3.25%
Pacific Islander - NH	0	0.00%	23	1.58%	11	0.85%	16	1.47%	5	0.31%	55	0.81%
Other - NH	11	0.80%	13	0.89%	11	0.85%	2	0.18%	2	0.13%	39	0.57%
Multiple Races - NH	28	2.03%	71	4.88%	58	4.50%	69	6.34%	55	3.45%	281	4.13%
CVAP	968		1426		1434		1175		1532		6535	
Hispanic	384	39.67%	300	21.04%	310	21.62%	292	24.85%	447	29.18%	1733	26.52%
White - NH	207	21.38%	871	61.08%	709	49.44%	602	51.23%	713	46.54%	3102	47.47%
Black - NH	24	2.48%	191	13.39%	299	20.85%	181	15.40%	267	17.43%	962	14.72%
American Indian - NH	334	34.50%	1	0.07%	10	0.70%	7	0.60%	20	1.31%	372	5.69%
Asian - NH	16	1.65%	26	1.82%	56	3.91%	49	4.17%	65	4.24%	212	3.24%
Pacific Islander - NH	0	0.00%	5	0.35%	14	0.98%	6	0.51%	5	0.33%	30	0.46%
Multiple Races - NH	3	0.31%	32	2.24%	36	2.51%	38	3.23%	15	0.98%	124	1.90%

NH = Not of Hispanic Origin
CVAP = Citizen Voting Age Population

CONCLUSION / NEXT STEPS

These Maps show possible solutions for the board to consider when complying with the requirement to re-district the trustee areas to balance the total population in each area.

Additional maps can be generated based on input from the board and community. A final decision to approve a boundary map needs to be completed by February 28th.

THANK YOU

Questions?
Input/Suggestions?