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**SECOND DECLARATION OF ANDREW A. BEVERIDGE, Ph.D.**

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Andrew Beveridge declares as follows:

1. I am a Professor of Sociology at Queens College and the Graduate Center, City University of New York (CUNY) and have served as an expert in redistricting political bodies. I have been retained by the Center for Law and Social Justice, and Newman Ferrara LLP, counsel for the Drayton Intervenor-Plaintiffs in *Favors et al., v. Cuomo, et al.* I have submitted a previous declaration, which included my vita and credentials.
2. Since that time I have evaluated five plans for redistricting New York State for Congress and compared them with the plan submitted earlier as that drawn by the Unity Maps coalition.
3. The Unity Maps coalition, which includes: Latino Justice, the Asian American Legal Defense Fund, the Center for Law and Social Justice and the National Institute for Latino Policy, developed this plan to be sensitive to issues of keeping members of protected population groups together while following usual redistricting principles.
4. The plan was also mindful of communities of interest.
5. The plan includes 16 districts, which include areas of the highest concentration and population of the protected groups. However, given its deviations, it would simple to insert that plan into a state wide plan. Thus, that plan could easily serve as a basis for a statewide plan and would encompass 16 of the 27 districts required.
6. I have attached three sets of analyses of all six plans: 1) A set of compactness measures of the 16 districts in each plan that encompass the downstate area; 2) A set of race and Hispanic tables that show the proportion of voting age (VAP) Hispanics, non-Hispanic blacks

and non-Hispanic Asians, both as single race and in combination with other races for all districts;

3) A similar set of race and Hispanic tables that show proportion of the citizens of voting age (CVAP) Hispanics, non-Hispanic blacks and non-Hispanic Asians, both as single race and in combination with other races for all districts. The last set of tables are based upon the data released on February 9, 2012 on the Census Bureau's redistricting office website ([www.census.gov/rdo](http://www.census.gov/rdo)) and contain tabulations of citizen of voting age population tabulated for various geographic levels. I used the data that are reported at the block group level. These data are based upon the 2006-2010 American Community Survey Data, and were allocated based to the block level based on the proportion of the voting age population in each block. This method has been used in numerous court cases, including Rodriguez v. Pataki, where I testified using very similar data from the 2000 Census.

7. Though voting age and citizens of voting age proportions of various groups do give some guidance to the likelihood of a given racial and ethnic group having an effective majority, it should be noted that performance analysis based upon Racial Polarized Voting using the so-called Goodman regression technique and the method developed by Gary King to keep the estimates within appropriate bounds would give a better estimates of likely performance.

8. There was not adequate time to prepare such an analysis for this submission. However, based upon a number of factors, including the concentrations of African American and Latino population it is possible to infer effects of redistricting plans.

9. As is well-known, New York State currently has four African American representatives and three Latino representatives in Congress. Each of these representatives' districts are based upon either a majority or plurality of members from such groups, so it is

important to maintain representation in Congress of African Americans and Latinos to keep such population groups together in order to avoid a plan having a retrogressive effect.

10. I also will make use of the letter being filed simultaneously by Joan Gibbs, Esq. (“Gibbs letter”) in this matter, that discusses some of the “facts on the ground” and likely impacts of the various proposed plans.

#### **Common Cause Plan**

11. As noted in the Gibbs letter, the Common Cause plan cracks a number of areas of high concentration of black population. This is directly reflected in the plan’s demographics. There are only two districts using VAP that are above 50 percent non-Hispanic African Americans, though one more barely achieves that when CVAP is used. Incidentally, with respect to Hispanics, though three districts are somewhat above 50 percent Hispanic using VAP, none are when CVAP is used. In short, both African American and Hispanic districts and population concentrations are diluted in the Common Cause plan. It is true, that the plan is marginally more compact based upon some standard measures, though it is the same as the Unity Plan based upon the Roeck measure. However, it appears that this compactness was achieved by diluting the population concentrations of African Americans and Latinos.

#### **Senate Majority Plan**

12. As with the Common Cause plan a number of areas of substantial population of African American population are cracked, and only two areas are above 50 percent African American based upon VAP. When CVAP is considered three districts are above 50 percent African American, but the proportions in the Unity Plan are higher. Despite the dilution of the African American areas, the Senate Majority plan is on most measures, less compact than the Unity Plan.

### **Assembly Majority Plan**

13. As with the Common Cause plan and the Senate Majority plan, the Assembly Majority plan cracks the African American population in a number of areas, including Central and South Brooklyn, Harlem, Central Brooklyn, and the North Bronx and Westchester. As with the Common Cause and the Senate Majority plan the racial composition of the districts reflect a dilution of the African American population (as well as the Latino population). There are only two districts that have more than a majority of African Americans of voting age. Based upon VAP or CVAP the Unity Plan plainly keeps a larger proportion of the African American population together in three districts. (This was also true with respect to the Common Cause and Senate Majority plan.) In terms of compactness, in all but one of the seven measures applied the Assembly Minority plan is less compact than the Unity plan.

### **Assembly Minority Plan**

14. The Assembly Minority plan has a slightly higher concentration of African Americans in two of three districts. However it is plain that a number of areas of African American population were cracked. In terms of compactness, in all but one measure it is less compact than the Unity plan.

### **Rose Plan**

15. The Rose Plan has the same defects as do Common Cause, the Senate Majority, the Assembly Majority and the Assembly Minority. It dilutes African American (and Latino voting strength.) It has lower concentrations than does the Unity Plan with respect to African American and Latino Districts. As with the Common Cause plan, though it shows two Hispanic Districts, when CVAP is considered there is only one Hispanic District with a lower

concentration than the Unity Plan. In terms of compactness, the Rose plan is less compact on some measures and more compact on others.

16. In conclusion, it is my opinion that the Unity Plan as presented represents an excellent benchmark for the protection of the influence of the African Americans' influence on the choice of members of Congress in New York State. Additionally, unlike the other plans I reviewed, the Unity Plan would not have a retrogressive or dilutive effect.

17. My opinion and my work performed here is that of an expert in the fields of demographic and statistical analysis, and redistricting, redistricting cases, and redistricting plans in the voter rights context.

Respectfully submitted,



Yonkers, New York  
February 29, 2012

Attachments: Exhibit 1. Measures of Compactness Tables  
Exhibit 2. Racial and Hispanic Composition of Districts using VAP  
Exhibit 3. Racial and Hispanic Composition of Districts using CVAP

Exhibit 1. Compactness 1 of 6

<b>Measures of Compactness for 16 Downstate Districts (Unity Plan)</b>							
Sum	N/A	N/A	1,178.18	N/A	N/A	N/A	N/A
Min	0.15	1.30	N/A	0.10	0.06	0.32	0.14
Max	0.63	3.11	N/A	0.59	30.64	0.90	0.76
Mean	0.37	2.05	N/A	0.27	5.06	0.59	0.40
Std. Dev.	0.11	0.47	N/A	0.13	7.52	0.19	0.19
District	Reock	Schwartzberg	Perimeter	Polsby-Popper	Length-Width	Population Polygon	Population Circle
1	0.37	1.41	223.32	0.49	30.64	0.79	0.74
2	0.45	1.95	134.48	0.25	4.77	0.67	0.45
3	0.39	2.25	165.90	0.19	5.67	0.35	0.18
4	0.45	2.27	85.13	0.18	0.83	0.47	0.33
5	0.34	1.82	37.70	0.30	5.37	0.67	0.37
6	0.27	1.93	73.95	0.26	2.03	0.52	0.14
7	0.33	2.18	49.89	0.20	2.02	0.54	0.27
8	0.15	2.72	50.78	0.12	9.09	0.39	0.17
9	0.35	2.27	53.68	0.19	0.13	0.32	0.29
10	0.47	1.63	22.15	0.37	0.25	0.83	0.53
11	0.25	3.11	52.11	0.10	1.50	0.42	0.26
12	0.40	1.55	59.41	0.40	5.44	0.61	0.48
13	0.41	1.88	24.54	0.28	0.06	0.85	0.50
14	0.26	2.25	34.08	0.19	2.44	0.42	0.33
15	0.63	1.30	18.50	0.59	0.37	0.90	0.76
16	0.34	2.21	92.57	0.18	10.29	0.71	0.58

Exhibit 1. Compactness 2 of 6

<b>Measures of Compactness for 16 Downstate Districts (Senate Majority)</b>							
Summary for 16 Downstate Districts							
Sum	N/A	N/A	1,406.21	N/A	N/A	N/A	N/A
Min	0.18	1.47	N/A	0.08	0.07	0.25	0.14
Max	0.50	3.46	N/A	0.45	30.64	0.84	0.70
Mean	0.36	2.31	N/A	0.21	3.80	0.60	0.39
Std. Dev.	0.08	0.59	N/A	0.10	7.47	0.19	0.16
DISTRICT	Reock	Schwartzberg	Perimeter	Polsby-Popper	Length-Width	Population Polygon	Population Circle
CD01	0.36	1.47	234.31	0.45	30.64	0.72	0.70
CD02	0.42	2.58	176.41	0.14	0.28	0.61	0.45
CD03	0.39	2.72	205.58	0.13	0.20	0.30	0.18
CD04	0.50	1.94	74.29	0.25	3.54	0.65	0.39
CD05	0.38	1.93	47.88	0.25	2.47	0.84	0.54
CD06	0.31	3.00	74.78	0.11	0.24	0.45	0.22
CD07	0.31	1.79	27.02	0.27	1.64	0.84	0.49
CD08	0.30	3.26	119.80	0.09	1.10	0.25	0.14
CD09	0.32	2.13	40.09	0.22	0.29	0.54	0.29
CD10	0.45	2.70	38.22	0.14	0.10	0.61	0.49
CD11	0.18	3.46	63.35	0.08	1.76	0.36	0.17
CD12	0.32	2.33	40.37	0.18	3.85	0.53	0.28
CD13	0.41	1.70	64.86	0.34	4.48	0.63	0.49
CD14	0.28	1.99	25.86	0.25	2.22	0.70	0.43
CD15	0.48	1.74	28.51	0.32	0.07	0.83	0.46
CD16	0.36	2.22	144.88	0.20	7.88	0.74	0.46
CD17	0.29	2.01	116.39	0.24	8.65	0.57	0.36
CD18	0.38	1.84	256.60	0.27	25.44	0.71	0.39
CD19	0.22	2.23	590.03	0.18	84.90	0.41	0.30
CD20	0.27	2.35	386.91	0.18	35.70	0.80	0.58
CD21	0.33	2.10	460.90	0.20	22.53	0.74	0.38
CD22	0.47	2.02	647.43	0.21	18.57	0.80	0.48
CD23	0.51	1.49	722.54	0.40	20.45	0.66	0.41
CD24	0.47	1.45	353.76	0.41	6.45	0.51	0.33
CD25	0.33	1.63	265.17	0.34	19.54	0.84	0.69
CD26	0.60	1.30	169.68	0.57	16.21	0.96	0.88
CD27	0.34	2.06	654.25	0.23	83.71	0.59	0.22

Exhibit 1. Compactness 3 of 6

<b>Measures of Compactness (Assembly Majority)</b>							
Summary for 16 Downstate Districts							
Sum	N/A	N/A	1,313.33	N/A	N/A	N/A	N/A
Min	0.20	1.40	N/A	0.08	0.07	0.21	0.11
Max	0.51	3.34	N/A	0.49	30.63	0.89	0.77
Mean	0.37	2.16	N/A	0.25	5.01	0.62	0.42
Std. Dev.	0.09	0.59	N/A	0.12	7.37	0.21	0.18
District	Reock	Schwartzberg	Perimeter	Polsby-Popper	Length-Width	Population Polygon	Population Circle
1	0.36	1.52	242.29	0.42	30.63	0.71	0.70
2	0.43	1.99	141.02	0.24	9.48	0.59	0.33
3	0.44	2.23	148.57	0.19	4.77	0.60	0.52
4	0.42	1.73	84.62	0.31	3.56	0.63	0.34
5	0.20	2.84	97.04	0.12	6.72	0.21	0.11
6	0.40	1.59	41.05	0.38	3.77	0.89	0.51
7	0.41	2.39	59.21	0.17	1.29	0.64	0.34
8	0.20	3.20	81.47	0.09	5.50	0.21	0.15
9	0.51	1.40	54.07	0.49	2.80	0.88	0.77
10	0.34	2.43	39.23	0.17	0.59	0.46	0.33
11	0.48	1.66	22.34	0.36	0.10	0.83	0.54
12	0.26	3.34	55.99	0.08	1.23	0.39	0.26
13	0.35	2.12	30.92	0.22	0.17	0.77	0.36
14	0.42	1.73	23.52	0.33	0.07	0.75	0.52
15	0.30	1.92	25.90	0.26	2.75	0.62	0.44
16	0.37	2.40	166.08	0.17	6.64	0.70	0.44
17	0.28	1.99	110.29	0.25	8.85	0.70	0.38
18	0.50	1.66	268.82	0.34	6.81	0.83	0.58
19	0.32	2.11	620.96	0.20	38.43	0.37	0.26
20	0.28	1.97	767.93	0.24	21.71	0.55	0.21
21	0.59	1.50	245.06	0.43	3.97	0.83	0.78
22	0.33	1.94	383.13	0.23	32.94	0.81	0.58
23	0.34	1.56	619.19	0.36	30.05	0.85	0.41
24	0.45	2.14	672.22	0.21	5.69	0.43	0.29
25	0.33	1.84	265.47	0.29	8.14	0.78	0.66
26	0.63	1.23	238.76	0.57	7.70	0.77	0.63
27	0.59	1.26	281.48	0.59	7.43	0.82	0.73



Exhibit 1. Compactness 4 of 6

<b>Measures of Compactness (Assembly Minority)</b>							
Summary for 16 Downstate Districts							
Sum	N/A	N/A	1,225.26	N/A	N/A	N/A	N/A
Min	0.17	1.39	N/A	0.07	0.54	0.27	0.13
Max	0.55	3.67	N/A	0.50	30.64	0.84	0.73
Mean	0.37	2.24	N/A	0.24	4.79	0.63	0.42
Std. Dev.	0.11	0.65	N/A	0.13	7.27	0.20	0.19
District	Reock	Schwartzberg	Perimeter	Polsby-Popper	Length-Width	Population Polygon	Population Circle
1	0.37	1.41	224.59	0.48	30.64	0.76	0.73
2	0.43	1.74	117.04	0.32	7.72	0.78	0.45
3	0.37	2.07	149.71	0.22	5.82	0.41	0.18
4	0.55	1.64	62.57	0.36	0.54	0.76	0.54
5	0.46	2.49	75.85	0.15	3.59	0.75	0.56
6	0.27	2.49	89.49	0.15	2.96	0.27	0.13
7	0.25	2.56	37.13	0.14	2.46	0.71	0.44
8	0.30	2.33	33.84	0.18	1.96	0.51	0.37
9	0.27	3.27	84.76	0.09	1.90	0.27	0.19
10	0.43	2.32	35.86	0.18	0.54	0.57	0.43
11	0.41	2.07	27.70	0.23	0.96	0.77	0.49
12	0.25	3.67	64.59	0.07	1.96	0.36	0.24
13	0.49	1.39	53.60	0.50	3.23	0.84	0.68
14	0.38	1.74	23.31	0.32	2.68	0.84	0.48
15	0.53	1.73	43.82	0.31	1.47	0.77	0.64
16	0.17	2.86	101.41	0.11	8.24	0.62	0.15
17	0.42	1.58	124.43	0.38	10.95	0.89	0.54
18	0.37	1.74	242.38	0.30	25.44	0.71	0.34
19	0.45	2.15	650.81	0.19	3.73	0.43	0.33
20	0.44	1.71	247.13	0.33	5.08	0.86	0.76
21	0.52	1.52	726.56	0.40	23.06	0.63	0.31
22	0.44	1.45	312.46	0.44	39.29	0.93	0.61
23	0.55	1.32	170.56	0.55	16.30	0.95	0.86
24	0.51	1.69	460.71	0.29	16.41	0.33	0.32
25	0.32	1.91	149.20	0.26	4.42	0.90	0.72
26	0.39	2.05	587.71	0.21	12.82	0.65	0.42
27	0.30	1.95	679.02	0.24	62.61	0.28	0.22

Exhibit 1. Compactness 5 of 6

<b>Measures of Compactness (Common Cause Minority)</b>							
Summary for 16 Downstate Districts							
Sum	N/A	N/A	1,007.44	N/A	N/A	N/A	N/A
Min	0.14	1.38	N/A	0.10	0.39	0.39	0.14
Max	0.53	2.96	N/A	0.51	30.64	0.83	0.74
Mean	0.37	1.84	N/A	0.32	5.48	0.68	0.39
Std. Dev.	0.10	0.45	N/A	0.11	7.44	0.15	0.14
District	Reock	Schwartzberg	Perimeter	Polsby-Popper	Length-Width	Population Polygon	Population Circle
1	0.37	1.41	223.57	0.49	30.64	0.77	0.74
2	0.40	1.52	108.99	0.40	10.06	0.81	0.40
3	0.53	1.38	94.85	0.51	6.53	0.75	0.44
4	0.49	1.63	69.07	0.34	4.37	0.79	0.49
5	0.33	1.75	70.51	0.32	1.35	0.50	0.14
6	0.33	1.89	39.08	0.27	5.23	0.64	0.36
7	0.25	2.96	48.05	0.10	1.33	0.40	0.28
8	0.39	2.03	32.31	0.24	1.04	0.60	0.40
9	0.38	1.54	21.63	0.42	2.58	0.83	0.46
10	0.14	2.77	51.75	0.11	9.52	0.39	0.15
11	0.37	1.57	64.34	0.39	8.10	0.48	0.35
12	0.41	1.70	25.59	0.33	0.62	0.80	0.41
13	0.26	1.76	26.68	0.32	2.53	0.76	0.39
14	0.36	2.13	41.87	0.21	2.06	0.72	0.32
15	0.41	1.72	25.40	0.32	1.28	0.80	0.45
16	0.45	1.71	63.75	0.33	0.39	0.76	0.50
17	0.45	1.63	139.04	0.36	10.62	0.86	0.59
18	0.49	1.61	214.52	0.35	11.34	0.80	0.52
19	0.45	1.81	623.03	0.26	23.65	0.37	0.29
20	0.47	1.67	204.88	0.34	9.33	0.93	0.82
21	0.54	1.38	668.54	0.47	30.88	0.90	0.37
22	0.26	2.16	374.30	0.19	57.75	0.88	0.66
23	0.36	1.70	496.25	0.32	62.42	0.88	0.33
24	0.41	2.16	680.25	0.19	58.57	0.38	0.33
25	0.58	1.34	167.21	0.55	10.92	0.98	0.91
26	0.36	1.56	88.71	0.37	3.49	0.96	0.83
27	0.44	1.64	500.00	0.33	9.37	0.47	0.34

Exhibit 1. Compactness 6 of 6

<b>Measures of Compactness (Rose Intervenor Minority)</b>							
Summary for 16 Downstate Districts							
Sum	N/A	N/A	1,375.12	N/A	N/A	N/A	N/A
Min	0.11	1.51	N/A	0.06	0.29	0.24	0.11
Max	0.51	3.94	N/A	0.42	28.47	0.86	0.77
Mean	0.36	2.39	N/A	0.20	5.59	0.62	0.42
Std. Dev.	0.10	0.67	N/A	0.10	7.22	0.19	0.18
District	Reock	Schwartzberg	Perimeter	Polsby-Popper	Length-Width	Population Polygon	Population Circle
1	0.36	1.59	249.81	0.38	28.47	0.77	0.74
2	0.45	2.03	154.18	0.23	7.90	0.61	0.38
3	0.39	2.28	149.01	0.18	5.23	0.65	0.47
4	0.42	2.45	119.96	0.15	2.98	0.48	0.34
5	0.37	2.39	55.27	0.17	2.23	0.70	0.36
6	0.39	1.82	53.36	0.28	5.95	0.86	0.49
7	0.22	2.83	98.73	0.12	8.52	0.24	0.11
8	0.11	3.69	73.76	0.07	12.92	0.33	0.14
9	0.35	2.76	47.93	0.12	0.88	0.47	0.31
10	0.51	1.90	25.59	0.27	0.38	0.78	0.59
11	0.25	3.94	69.25	0.06	0.29	0.36	0.23
12	0.51	1.51	58.44	0.42	3.35	0.84	0.77
13	0.39	2.45	34.67	0.16	0.47	0.73	0.43
14	0.42	2.42	39.64	0.16	0.64	0.53	0.41
15	0.38	2.05	24.87	0.23	0.31	0.84	0.54
16	0.28	2.13	120.63	0.21	9.00	0.66	0.37
17	0.33	2.00	131.99	0.24	15.64	0.72	0.28
18	0.41	1.73	251.76	0.30	20.47	0.68	0.34
19	0.35	1.92	577.42	0.24	53.05	0.54	0.27
20	0.59	1.50	244.11	0.43	3.97	0.83	0.78
21	0.35	1.87	746.86	0.26	28.08	0.80	0.41
22	0.40	2.39	932.16	0.16	7.35	0.34	0.23
23	0.36	1.69	385.32	0.31	1.26	0.78	0.38
24	0.44	1.64	361.92	0.34	1.01	0.58	0.35
25	0.36	1.71	324.31	0.30	7.56	0.68	0.57
26	0.17	2.45	383.03	0.16	17.88	0.72	0.34
27	0.31	2.21	659.19	0.19	37.45	0.39	0.23

Exhibit 2. Comparative Voting Age Population Relevant Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo															
Unity Plan	Population	Total Deviation	Population 18 and Over (VAP)	Hispanic VAP	% Hispanic VAP	Non-Hispanic White VAP	% Non-Hispanic White VAP	Non-Hispanic Black Single Race VAP	% Non-Hispanic Black Single Race VAP	Non-Hispanic Asian Single Race VAP	% Non-Hispanic Asian Single Race VAP	Non-Hispanic Black and Black in Combination VAP	% Non-Hispanic Black and Black in Combination VAP	Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP
1	717,707	0	550,082	61,457	11.2%	440,390	80.1%	23,355	4.2%	17,890	3.3%	25,471	4.6%	19,559	3.6%
2	717,707	0	538,102	100,120	18.6%	357,105	66.4%	48,821	9.1%	25,006	4.6%	51,418	9.6%	27,280	5.1%
3	717,706	-1	556,274	52,049	9.4%	452,740	81.4%	15,942	2.9%	29,699	5.3%	17,228	3.1%	32,296	5.8%
4	717,706	-1	553,847	93,148	16.8%	321,837	58.1%	74,384	13.4%	55,770	10.1%	76,977	13.9%	59,198	10.7%
5	717,706	-1	584,676	96,295	16.5%	242,317	41.4%	28,363	4.9%	203,164	34.7%	31,009	5.3%	210,966	36.1%
6	717,706	-1	545,906	96,761	17.7%	84,822	15.5%	262,579	48.1%	60,418	11.1%	275,192	50.4%	73,296	13.4%
7	717,707	0	558,792	266,191	47.6%	117,444	21.0%	57,733	10.3%	105,714	18.9%	60,302	10.8%	110,652	19.8%
8	717,707	0	577,163	66,463	11.5%	388,981	67.4%	18,403	3.2%	93,092	16.1%	20,774	3.6%	97,998	17.0%
10	717,707	0	536,080	88,580	16.5%	133,984	25.0%	278,245	51.9%	23,762	4.4%	283,851	52.9%	26,455	4.9%
11	717,707	0	552,203	66,810	12.1%	156,303	28.3%	288,077	52.2%	27,695	5.0%	294,654	53.4%	31,665	5.7%
12	717,707	0	565,798	235,246	41.6%	160,220	28.3%	43,814	7.7%	114,155	20.2%	46,868	8.3%	118,969	21.0%
13	717,707	0	557,591	72,492	13.0%	376,318	67.5%	35,885	6.4%	64,774	11.6%	38,052	6.8%	68,102	12.2%
14	717,707	0	634,871	76,479	12.0%	433,940	68.4%	26,296	4.1%	84,028	13.2%	29,429	4.6%	90,464	14.2%
15	717,706	-1	567,083	280,179	49.4%	98,903	17.4%	150,231	26.5%	26,385	4.7%	155,111	27.4%	29,381	5.2%
16	717,707	0	504,672	323,820	64.2%	13,157	2.6%	150,741	29.9%	8,734	1.7%	154,076	30.5%	10,198	2.0%
17	717,707	0	551,723	122,654	22.2%	221,158	40.1%	171,007	31.0%	25,088	4.5%	175,624	31.8%	27,946	5.1%

Exhibit 2. Comparative Voting Age Population Relevant Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo																
Senate Majority Plan	Population	Total Deviation	Population 18 and Over (VAP)	Hispanic VAP	% Hispanic VAP	Non-Hispanic White VAP	% Non-Hispanic White VAP	Non-Hispanic Black Single Race VAP	% Non-Hispanic Black Single Race VAP	Non-Hispanic Asian Single Race VAP	% Non-Hispanic Asian Single Race VAP	Non-Hispanic Black and Black in Combination VAP	% Non-Hispanic Black and Black in Combination VAP	Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP	
CD01	717,707	0	548,951	58,272	10.6%	442,460	80.6%	22,818	4.2%	18,480	3.4%	24,870	4.5%	20,185	3.7%	
CD02	717,708	1	540,222	104,101	19.3%	351,223	65.0%	48,675	9.0%	28,895	5.3%	51,282	9.5%	31,365	5.8%	
CD03	717,707	0	555,576	51,466	9.3%	456,964	82.3%	15,911	2.9%	25,370	4.6%	17,243	3.1%	27,955	5.0%	
CD04	717,707	0	550,375	95,867	17.4%	302,033	54.9%	92,897	16.9%	50,202	9.1%	95,917	17.4%	53,595	9.7%	
CD05	717,707	0	548,902	109,027	19.9%	59,762	10.9%	251,633	45.8%	84,196	15.3%	264,627	48.2%	98,793	18.0%	
CD06	717,708	1	581,431	156,224	26.9%	197,010	33.9%	39,508	6.8%	177,154	30.5%	41,661	7.2%	183,346	31.5%	
CD07	717,707	0	645,786	60,821	9.4%	434,881	67.3%	25,591	4.0%	110,775	17.2%	28,802	4.5%	117,659	18.2%	
CD08	717,708	1	550,813	82,412	15.0%	360,150	65.4%	28,790	5.2%	69,693	12.7%	30,810	5.6%	73,926	13.4%	
CD09	717,708	1	533,790	116,616	21.8%	100,142	18.8%	282,334	52.9%	20,868	3.9%	288,614	54.1%	24,239	4.5%	
CD10	717,707	0	553,703	69,670	12.6%	127,661	23.1%	283,007	51.1%	61,029	11.0%	289,015	52.2%	64,698	11.7%	
CD11	717,708	1	559,818	258,910	46.2%	167,589	29.9%	34,515	6.2%	89,086	15.9%	36,912	6.6%	93,139	16.6%	
CD12	717,708	1	600,941	122,953	20.5%	304,803	50.7%	48,005	8.0%	111,757	18.6%	51,395	8.6%	117,494	19.6%	
CD13	717,707	0	552,466	73,085	13.2%	378,173	68.5%	33,990	6.2%	59,420	10.8%	36,167	6.5%	62,546	11.3%	
CD14	717,708	1	548,239	299,259	54.6%	77,791	14.2%	141,985	25.9%	19,227	3.5%	146,452	26.7%	21,564	3.9%	
CD15	717,708	1	515,109	310,983	60.4%	27,865	5.4%	151,954	29.5%	14,730	2.9%	155,434	30.2%	16,602	3.2%	
CD16	717,707	0	544,358	125,503	23.1%	328,238	60.3%	53,782	9.9%	29,136	5.4%	56,350	10.4%	31,512	5.8%	
CD17	717,708	1	535,007	97,728	18.3%	232,399	43.4%	165,533	30.9%	28,165	5.3%	170,066	31.8%	30,854	5.8%	
CD18	717,708	1	535,466	70,482	13.2%	397,558	74.2%	43,883	8.2%	15,065	2.8%	47,100	8.8%	17,048	3.2%	
CD19	717,707	0	560,491	21,409	3.8%	507,838	90.6%	16,851	3.0%	7,726	1.4%	18,479	3.3%	9,018	1.6%	
CD20	717,707	0	569,078	28,037	4.9%	462,554	81.3%	47,614	8.4%	18,771	3.3%	51,663	9.1%	21,309	3.7%	
CD21	717,707	0	559,668	17,829	3.2%	472,698	84.5%	38,154	6.8%	19,446	3.5%	41,361	7.4%	21,612	3.9%	
CD22	717,707	0	568,415	20,300	3.6%	505,619	89.0%	22,185	3.9%	12,444	2.2%	24,454	4.3%	13,947	2.5%	
CD23	717,708	1	558,079	12,636	2.3%	516,337	92.5%	14,671	2.6%	4,397	0.8%	15,800	2.8%	5,321	1.0%	
CD24	717,707	0	563,819	10,557	1.9%	509,470	90.4%	23,982	4.3%	11,929	2.1%	25,585	4.5%	13,136	2.3%	
CD25	717,708	1	561,804	26,931	4.8%	436,971	77.8%	79,944	14.2%	9,324	1.7%	82,686	14.7%	10,617	1.9%	
CD26	717,708	1	556,610	33,486	6.0%	423,679	76.1%	73,322	13.2%	17,445	3.1%	76,809	13.8%	19,373	3.5%	
CD27	717,707	0	554,256	9,836	1.8%	516,428	93.2%	13,912	2.5%	5,331	1.0%	15,379	2.8%	6,092	1.1%	

Exhibit 2. Comparative Voting Age Population Relevant Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo																
Assembly Majority Plan	Population	Total Deviation	Population 18 and Over (VAP)	Hispanic VAP	% Hispanic VAP	Non-Hispanic White VAP	% Non-Hispanic White VAP	Non-Hispanic Black Single Race VAP	% Non-Hispanic Black Single Race VAP	Non-Hispanic Asian Single Race VAP	% Non-Hispanic Asian Single Race VAP	Non-Hispanic Black and Black in Combination VAP	% Non-Hispanic Black and Black in Combination VAP	Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP
1	717,707	0	549,687	61,067	11.1%	439,730	80.0%	23,519	4.3%	18,367	3.3%	25,625	4.7%	20,084	3.7%	
2	717,708	1	539,936	113,341	21.0%	324,935	60.2%	57,313	10.6%	35,966	6.7%	60,086	11.1%	39,245	7.3%	
3	717,708	1	550,848	40,831	7.4%	469,394	85.2%	9,263	1.7%	26,244	4.8%	10,298	1.9%	28,518	5.2%	
4	717,708	1	554,784	94,586	17.0%	317,871	57.3%	90,478	16.3%	42,581	7.7%	93,613	16.9%	45,632	8.2%	
5	717,708	1	577,526	150,658	26.1%	249,222	43.2%	25,477	4.4%	139,131	24.1%	27,837	4.8%	145,877	25.3%	
6	717,708	1	549,686	99,393	18.1%	73,358	13.3%	253,457	46.1%	80,791	14.7%	266,107	48.4%	94,684	17.2%	
7	717,707	0	557,891	232,880	41.7%	105,556	18.9%	64,818	11.6%	144,175	25.8%	67,149	12.0%	148,343	26.6%	
8	717,707	0	589,739	59,879	10.2%	418,421	71.0%	24,852	4.2%	76,182	12.9%	27,211	4.6%	81,152	13.8%	
9	717,708	1	558,830	81,143	14.5%	354,344	63.4%	34,983	6.3%	80,091	14.3%	37,220	6.7%	83,455	14.9%	
10	717,708	1	531,732	81,229	15.3%	134,499	25.3%	274,827	51.7%	29,723	5.6%	280,280	52.7%	32,563	6.1%	
11	717,707	0	551,927	69,296	12.6%	158,402	28.7%	282,921	51.3%	27,867	5.0%	289,540	52.5%	31,913	5.8%	
12	717,708	1	559,933	236,006	42.1%	158,948	28.4%	43,996	7.9%	108,756	19.4%	46,952	8.4%	113,434	20.3%	
13	717,708	1	629,930	83,478	13.3%	416,554	66.1%	28,297	4.5%	87,699	13.9%	31,401	5.0%	93,939	14.9%	
14	717,707	0	514,385	295,103	57.4%	44,278	8.6%	149,235	29.0%	16,983	3.3%	152,703	29.7%	18,876	3.7%	
15	717,708	1	565,732	273,598	48.4%	110,220	19.5%	145,265	25.7%	25,622	4.5%	150,275	26.6%	28,619	5.1%	
16	717,708	1	544,647	115,549	21.2%	304,964	56.0%	87,998	16.2%	27,809	5.1%	91,159	16.7%	30,022	5.5%	
17	717,707	0	538,000	104,204	19.4%	269,192	50.0%	124,003	23.0%	30,073	5.6%	127,917	23.8%	32,992	6.1%	
18	717,708	1	554,450	59,741	10.8%	429,628	77.5%	41,797	7.5%	14,738	2.7%	44,867	8.1%	16,719	3.0%	
19	717,707	0	546,218	41,244	7.6%	462,958	84.8%	25,229	4.6%	9,151	1.7%	27,619	5.1%	10,542	1.9%	
20	717,707	0	567,274	12,258	2.2%	526,416	92.8%	13,311	2.3%	8,471	1.5%	14,952	2.6%	9,635	1.7%	
21	717,707	0	566,630	23,899	4.2%	469,650	82.9%	43,342	7.6%	18,309	3.2%	47,010	8.3%	20,817	3.7%	
22	717,707	0	561,592	17,158	3.1%	473,874	84.4%	39,242	7.0%	19,520	3.5%	42,449	7.6%	21,685	3.9%	
23	717,707	0	557,185	16,410	2.9%	501,165	89.9%	21,271	3.8%	7,790	1.4%	22,803	4.1%	8,963	1.6%	
24	717,707	0	557,679	11,656	2.1%	518,193	92.9%	16,574	3.0%	5,053	0.9%	18,088	3.2%	5,876	1.1%	
25	717,707	0	553,821	33,292	6.0%	421,978	76.2%	71,912	13.0%	18,049	3.3%	75,347	13.6%	19,989	3.6%	
26	717,708	1	561,594	11,554	2.1%	449,252	80.0%	77,289	13.8%	14,482	2.6%	79,835	14.2%	15,878	2.8%	
27	717,707	0	561,517	24,947	4.4%	495,294	88.2%	24,777	4.4%	6,438	1.1%	26,590	4.7%	7,493	1.3%	

Exhibit 2. Comparative Voting Age Population Relevant Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo																
Assembly Minority Plan	Population	Total Deviation	Population 18 and Over (VAP)	Hispanic VAP	% Hispanic VAP	Non-Hispanic White VAP	% Non-Hispanic White VAP	Non-Hispanic Black Single Race VAP	% Non-Hispanic Black Single Race VAP	Non-Hispanic Asian Single Race VAP	% Non-Hispanic Asian Single Race VAP	Non-Hispanic Black and Black in Combination VAP	% Non-Hispanic Black and Black in Combination VAP	Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP
01	717,707	0	549,638	61,018	11.1%	440,378	80.1%	23,282	4.2%	17,969	3.3%	25,384	4.6%	19,661	3.6%	
02	717,707	0	540,193	100,812	18.7%	363,486	67.3%	49,466	9.2%	19,289	3.6%	52,138	9.7%	21,451	4.0%	
03	717,708	1	556,819	51,436	9.2%	452,133	81.2%	13,994	2.5%	33,728	6.1%	15,151	2.7%	36,243	6.5%	
04	717,708	1	573,576	69,770	12.2%	290,233	50.6%	24,366	4.2%	177,433	30.9%	26,329	4.6%	183,960	32.1%	
05	717,708	1	543,648	99,753	18.3%	116,549	21.4%	273,774	50.4%	31,868	5.9%	282,173	51.9%	37,443	6.9%	
06	717,708	1	558,726	172,912	30.9%	158,952	28.4%	75,132	13.4%	120,867	21.6%	82,652	14.8%	133,053	23.8%	
07	717,707	0	635,502	46,245	7.3%	463,866	73.0%	20,278	3.2%	93,133	14.7%	22,918	3.6%	99,304	15.6%	
08	717,708	1	580,638	231,716	39.9%	167,270	28.8%	133,629	23.0%	35,448	6.1%	138,756	23.9%	39,098	6.7%	
09	717,708	1	551,936	98,106	17.8%	340,459	61.7%	20,434	3.7%	83,075	15.1%	22,270	4.0%	87,397	15.8%	
10	717,708	1	523,869	123,618	23.6%	78,641	15.0%	289,323	55.2%	19,578	3.7%	295,223	56.4%	22,380	4.3%	
11	717,708	1	557,895	69,528	12.5%	155,883	27.9%	287,030	51.4%	31,893	5.7%	293,712	52.6%	35,913	6.4%	
12	717,708	1	589,692	189,916	32.2%	247,160	41.9%	35,077	5.9%	104,849	17.8%	38,280	6.5%	110,181	18.7%	
13	717,708	1	558,587	78,433	14.0%	362,949	65.0%	33,460	6.0%	75,639	13.5%	35,670	6.4%	78,930	14.1%	
14	717,708	1	505,933	331,932	65.6%	17,200	3.4%	140,375	27.7%	8,842	1.7%	143,525	28.4%	10,237	2.0%	
15	717,708	1	549,802	161,725	29.4%	170,886	31.1%	178,380	32.4%	26,235	4.8%	183,098	33.3%	29,287	5.3%	
16	717,708	1	556,403	218,638	39.3%	172,136	30.9%	70,490	12.7%	83,683	15.0%	73,221	13.2%	87,943	15.8%	
17	717,707	0	532,393	85,005	16.0%	353,274	66.4%	52,262	9.8%	34,644	6.5%	54,921	10.3%	36,987	6.9%	
18	717,707	0	535,805	72,587	13.5%	395,200	73.8%	44,228	8.3%	15,260	2.8%	47,469	8.9%	17,240	3.2%	
19	717,707	0	568,676	31,052	5.5%	495,563	87.1%	25,049	4.4%	8,932	1.6%	27,526	4.8%	10,352	1.8%	
20	717,707	0	562,769	23,202	4.1%	469,085	83.4%	41,198	7.3%	18,142	3.2%	44,665	7.9%	20,662	3.7%	
21	717,707	0	561,077	13,228	2.4%	517,395	92.2%	16,244	2.9%	4,326	0.8%	17,376	3.1%	5,225	0.9%	
22	717,707	0	554,730	15,225	2.7%	480,494	86.6%	36,392	6.6%	12,142	2.2%	39,202	7.1%	13,625	2.5%	
23	717,707	0	554,402	33,198	6.0%	421,219	76.0%	73,051	13.2%	18,382	3.3%	76,476	13.8%	20,338	3.7%	
24	717,707	0	561,582	10,671	1.9%	516,384	92.0%	21,044	3.7%	4,471	0.8%	22,534	4.0%	5,320	0.9%	
25	717,707	0	563,686	23,897	4.2%	431,477	76.5%	82,843	14.7%	17,057	3.0%	85,578	15.2%	18,775	3.3%	
26	717,707	0	569,524	16,692	2.9%	505,850	88.8%	20,500	3.6%	18,123	3.2%	22,782	4.0%	20,111	3.5%	
27	717,707	0	555,672	14,085	2.5%	514,174	92.5%	14,145	2.5%	5,053	0.9%	15,904	2.9%	5,829	1.0%	

Exhibit 2. Comparative Voting Age Population Relevant Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo																
Common Cause Plan	Population	Total Deviation	Population 18 and Over (VAP)	Hispanic VAP	% Hispanic VAP	Non-Hispanic White VAP	% Non-Hispanic White VAP	Non-Hispanic Black Single Race VAP	% Non-Hispanic Black Single Race VAP	Non-Hispanic Asian Single Race VAP	% Non-Hispanic Asian Single Race VAP	Non-Hispanic Black and Black in Combination VAP	% Non-Hispanic Black and Black in Combination VAP	Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP
1	717,711	4	549,589	60,995	11.1%	440,443	80.1%	23,272	4.2%	17,893	3.3%	25,371	4.6%	19,582	3.6%	
2	717,714	7	543,625	98,870	18.2%	376,194	69.2%	46,747	8.6%	15,159	2.8%	49,230	9.1%	17,095	3.1%	
3	717,704	-3	549,756	48,833	8.9%	424,325	77.2%	14,435	2.6%	55,285	10.1%	15,632	2.8%	59,106	10.8%	
4	717,713	6	552,257	101,123	18.3%	311,042	56.3%	96,122	17.4%	34,841	6.3%	99,382	18.0%	37,646	6.8%	
5	717,712	5	548,246	103,440	18.9%	90,912	16.6%	247,146	45.1%	66,719	12.2%	259,283	47.3%	79,553	14.5%	
6	717,715	8	584,483	95,847	16.4%	229,088	39.2%	25,630	4.4%	218,732	37.4%	28,297	4.8%	226,804	38.8%	
7	717,690	-17	566,654	227,115	40.1%	168,553	29.7%	44,499	7.9%	114,003	20.1%	47,609	8.4%	118,751	21.0%	
8	717,694	-13	534,926	93,347	17.5%	125,392	23.4%	282,228	52.8%	21,079	3.9%	288,509	53.9%	24,431	4.6%	
9	717,704	-3	544,624	56,130	10.3%	163,316	30.0%	276,920	50.8%	36,552	6.7%	282,650	51.9%	40,005	7.3%	
10	717,694	-13	587,278	65,102	11.1%	389,177	66.3%	17,094	2.9%	105,375	17.9%	19,381	3.3%	110,526	18.8%	
11	717,706	-1	562,143	77,518	13.8%	385,023	68.5%	43,453	7.7%	47,663	8.5%	45,894	8.2%	50,947	9.1%	
12	717,722	15	626,257	90,558	14.5%	407,781	65.1%	24,308	3.9%	89,710	14.3%	27,207	4.3%	95,974	15.3%	
13	717,699	-8	557,720	303,772	54.5%	126,849	22.7%	90,061	16.1%	27,426	4.9%	93,645	16.8%	30,296	5.4%	
14	717,722	15	553,592	278,100	50.2%	105,187	19.0%	81,154	14.7%	77,505	14.0%	83,938	15.2%	81,588	14.7%	
15	717,711	4	523,091	272,721	52.1%	36,862	7.0%	190,875	36.5%	13,267	2.5%	195,535	37.4%	15,140	2.9%	
16	717,705	-2	549,100	132,521	24.1%	217,761	39.7%	164,552	30.0%	22,613	4.1%	168,958	30.8%	25,325	4.6%	
17	717,713	6	530,943	80,360	15.1%	361,134	68.0%	48,402	9.1%	34,146	6.4%	50,857	9.6%	36,472	6.9%	
18	717,707	0	536,675	76,552	14.3%	387,413	72.2%	48,352	9.0%	15,732	2.9%	51,669	9.6%	17,731	3.3%	
19	717,716	9	568,958	31,123	5.5%	500,073	87.9%	22,637	4.0%	7,152	1.3%	25,039	4.4%	8,448	1.5%	
20	717,713	6	564,040	23,594	4.2%	466,032	82.6%	43,643	7.7%	19,450	3.4%	47,251	8.4%	21,994	3.9%	
21	717,709	2	561,034	13,401	2.4%	516,918	92.1%	15,972	2.8%	4,622	0.8%	17,179	3.1%	5,645	1.0%	
22	717,709	2	555,871	18,678	3.4%	468,348	84.3%	42,931	7.7%	15,298	2.8%	46,013	8.3%	16,973	3.1%	
23	717,695	-12	567,115	12,782	2.3%	512,577	90.4%	16,771	3.0%	16,603	2.9%	19,049	3.4%	18,449	3.3%	
24	717,695	-12	556,539	13,015	2.3%	517,769	93.0%	15,466	2.8%	3,829	0.7%	16,840	3.0%	4,601	0.8%	
25	717,705	-2	555,527	33,482	6.0%	421,705	75.9%	73,266	13.2%	18,430	3.3%	76,731	13.8%	20,408	3.7%	
26	717,724	17	565,593	24,154	4.3%	425,030	75.1%	90,029	15.9%	16,809	3.0%	93,137	16.5%	18,544	3.3%	
27	717,700	-7	557,537	11,267	2.0%	523,392	93.9%	9,481	1.7%	4,168	0.7%	10,647	1.9%	4,911	0.9%	



Exhibit 2. Comparative Voting Age Population Relevant Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo																
Rose Intervenor Plan	Population	Total Deviation	Population 18 and Over (VAP)	Hispanic VAP	% Hispanic VAP	Non-Hispanic White VAP	% Non-Hispanic White VAP	Non-Hispanic Black Single Race VAP	% Non-Hispanic Black Single Race VAP	Non-Hispanic Asian Single Race VAP	% Non-Hispanic Asian Single Race VAP	Non-Hispanic Black and Black in Combination VAP	% Non-Hispanic Black and Black in Combination VAP	Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP	% Non-Hispanic Asian and Asian in Combination VAP
01	717,708	1	548,533	89,002	16.2%	401,513	73.2%	32,978	6.0%	17,564	3.2%	35,469	6.5%	19,308	3.5%	
02	717,708	1	540,004	80,841	15.0%	366,827	67.9%	46,879	8.7%	37,824	7.0%	49,180	9.1%	41,002	7.6%	
03	717,708	1	552,495	44,403	8.0%	467,707	84.7%	10,896	2.0%	24,201	4.4%	12,023	2.2%	26,484	4.8%	
04	717,708	1	557,839	88,719	15.9%	320,510	57.5%	70,334	12.6%	68,789	12.3%	73,155	13.1%	72,480	13.0%	
05	717,708	1	572,064	161,632	28.3%	192,572	33.7%	50,142	8.8%	155,801	27.2%	52,608	9.2%	161,389	28.2%	
06	717,708	1	546,369	98,984	18.1%	63,685	11.7%	272,567	49.9%	70,062	12.8%	285,098	52.2%	82,931	15.2%	
07	717,708	1	572,795	182,675	31.9%	221,788	38.7%	25,340	4.4%	130,539	22.8%	27,675	4.8%	136,719	23.9%	
08	717,707	0	593,227	66,208	11.2%	409,437	69.0%	28,217	4.8%	78,264	13.2%	30,984	5.2%	83,490	14.1%	
09	717,708	1	535,104	83,984	15.7%	136,480	25.5%	279,139	52.2%	23,403	4.4%	284,994	53.3%	26,460	4.9%	
10	717,707	0	543,839	69,012	12.7%	145,541	26.8%	278,364	51.2%	38,289	7.0%	284,568	52.3%	42,008	7.7%	
11	717,708	1	556,277	253,168	45.5%	151,366	27.2%	50,179	9.0%	88,058	15.8%	53,588	9.6%	92,768	16.7%	
12	717,707	0	559,100	80,940	14.5%	355,716	63.6%	35,057	6.3%	79,112	14.1%	37,305	6.7%	82,470	14.8%	
13	717,708	1	635,555	71,414	11.2%	434,509	68.4%	21,943	3.5%	94,211	14.8%	24,772	3.9%	100,548	15.8%	
14	717,706	-1	546,179	277,540	50.8%	57,815	10.6%	181,200	33.2%	18,806	3.4%	186,178	34.1%	21,176	3.9%	
15	717,707	0	521,543	320,957	61.5%	43,447	8.3%	134,895	25.9%	14,028	2.7%	138,240	26.5%	15,824	3.0%	
16	717,708	1	537,659	109,282	20.3%	273,499	50.9%	114,313	21.3%	30,341	5.6%	118,058	22.0%	33,198	6.2%	
17	717,708	1	546,993	114,225	20.9%	306,592	56.1%	88,499	16.2%	29,018	5.3%	91,729	16.8%	31,348	5.7%	
18	717,707	0	538,629	71,237	13.2%	399,520	74.2%	44,900	8.3%	14,279	2.7%	48,212	9.0%	16,250	3.0%	
19	717,707	0	568,153	31,596	5.6%	489,302	86.1%	26,392	4.6%	12,450	2.2%	29,068	5.1%	14,063	2.5%	
20	717,707	0	566,630	23,899	4.2%	469,649	82.9%	43,342	7.6%	18,310	3.2%	47,010	8.3%	20,818	3.7%	
21	717,707	0	559,558	17,289	3.1%	500,728	89.5%	22,962	4.1%	7,898	1.4%	24,537	4.4%	9,079	1.6%	
22	717,707	0	558,398	8,753	1.6%	530,923	95.1%	7,532	1.3%	5,334	1.0%	8,597	1.5%	6,294	1.1%	
23	717,707	0	554,057	15,976	2.9%	477,717	86.2%	37,852	6.8%	12,025	2.2%	40,771	7.4%	13,493	2.4%	
24	717,707	0	562,420	12,015	2.1%	451,965	80.4%	75,577	13.4%	13,907	2.5%	78,036	13.9%	15,275	2.7%	
25	717,707	0	563,841	25,723	4.6%	493,048	87.4%	29,115	5.2%	7,257	1.3%	30,968	5.5%	8,378	1.5%	
26	717,708	1	560,151	34,441	6.1%	422,019	75.3%	70,636	12.6%	23,424	4.2%	74,271	13.3%	25,837	4.6%	
27	717,708	1	555,761	10,485	1.9%	514,421	92.6%	16,196	2.9%	6,867	1.2%	17,839	3.2%	7,855	1.4%	

**Exhibit 3. Comparative Citizens of Voting Age Population Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo**

Unity Plan	Non-Hispanic White CVAP	Hispanic CVAP	Non-Hispanic Black Single Race CVAP	Non-Hispanic Black and Black in Combination CVAP	Non-Hispanic Asian Single Race CVAP	Non-Hispanic Asian and Asian in Combination CVAP	Citizen Population 18 and Over (CVAP)	% Non-Hispanic White CVAP	% Hispanic CVAP	% Non-Hispanic Black Single Race CVAP	% Non-Hispanic Black and Black in Combination CVAP	% Non-Hispanic Asian Single Race CVAP	% Non-Hispanic Asian and Asian in Combination CVAP
1	432,116	36,108	19,812	20,737	11,436	12,174	503,314	85.9%	7.2%	3.9%	4.1%	2.3%	2.4%
2	353,778	53,986	45,219	46,544	16,621	17,348	473,370	74.7%	11.4%	9.6%	9.8%	3.5%	3.7%
3	443,976	36,091	12,419	12,956	21,491	22,112	516,849	85.9%	7.0%	2.4%	2.5%	4.2%	4.3%
4	315,624	49,907	67,020	68,588	40,360	41,042	476,727	66.2%	10.5%	14.1%	14.4%	8.5%	8.6%
5	226,681	68,442	21,412	22,698	114,844	116,291	437,609	51.8%	15.6%	4.9%	5.2%	26.2%	26.6%
6	89,606	63,128	229,088	231,918	47,687	48,499	437,911	20.5%	14.4%	52.3%	53.0%	10.9%	11.1%
7	116,432	141,980	47,971	49,058	57,655	58,621	368,062	31.6%	38.6%	13.0%	13.3%	15.7%	15.9%
8	345,477	44,188	16,277	17,241	56,980	59,218	467,857	73.8%	9.4%	3.5%	3.7%	12.2%	12.7%
10	119,767	65,655	241,250	242,684	14,597	15,387	445,520	26.9%	14.7%	54.2%	54.5%	3.3%	3.5%
11	143,637	45,223	225,850	228,147	17,745	18,773	438,379	32.8%	10.3%	51.5%	52.0%	4.0%	4.3%
12	132,408	159,681	38,103	39,268	62,568	64,171	398,074	33.3%	40.1%	9.6%	9.9%	15.7%	16.1%
13	346,387	50,723	30,531	31,591	47,335	48,142	478,510	72.4%	10.6%	6.4%	6.6%	9.9%	10.1%
14	388,494	55,712	20,501	22,167	49,326	52,170	520,740	74.6%	10.7%	3.9%	4.3%	9.5%	10.0%
15	90,466	182,048	140,348	143,531	14,879	16,214	434,576	20.8%	41.9%	32.3%	33.0%	3.4%	3.7%
16	10,738	208,345	121,220	122,625	5,853	6,050	349,312	3.1%	59.6%	34.7%	35.1%	1.7%	1.7%
17	213,303	79,483	145,495	147,544	17,070	17,966	460,517	46.3%	17.3%	31.6%	32.0%	3.7%	3.9%

Exhibit 3. Comparative Citizens of Voting Age Population Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo

Senate Majority Plan	Non-Hispanic White CVAP	Hispanic CVAP	Non-Hispanic Black Single Race CVAP	Non-Hispanic Black and Black in Combination CVAP	Non-Hispanic Asian Single Race CVAP	Non-Hispanic Asian and Asian in Combination CVAP	Citizen Population 18 and Over (CVAP)	% Non-Hispanic White CVAP	% Hispanic CVAP	% Non-Hispanic Black Single Race CVAP	% Non-Hispanic Black and Black in Combination CVAP	% Non-Hispanic Asian Single Race CVAP	% Non-Hispanic Asian and Asian in Combination CVAP
CD01	433,090	35,172	19,065	19,980	11,683	12,423	502,787	86.1%	7.0%	3.8%	4.0%	2.3%	2.5%
CD02	350,271	55,177	45,201	46,503	19,181	19,903	473,762	73.9%	11.6%	9.5%	9.8%	4.0%	4.2%
CD03	447,132	35,832	12,811	13,371	18,601	19,272	517,195	86.5%	6.9%	2.5%	2.6%	3.6%	3.7%
CD04	297,056	51,382	82,434	83,911	37,026	37,591	471,554	63.0%	10.9%	17.5%	17.8%	7.9%	8.0%
CD05	63,517	68,354	217,772	221,086	62,967	63,791	421,973	15.1%	16.2%	51.6%	52.4%	14.9%	15.1%
CD06	192,977	96,270	32,898	33,673	97,709	99,098	424,360	45.5%	22.7%	7.8%	7.9%	23.0%	23.4%
CD07	386,390	46,285	20,681	22,298	67,689	71,274	528,913	73.1%	8.8%	3.9%	4.2%	12.8%	13.5%
CD08	321,584	58,784	26,399	27,032	47,672	48,624	457,960	70.2%	12.8%	5.8%	5.9%	10.4%	10.6%
CD09	92,365	89,172	244,495	246,681	14,522	15,555	446,222	20.7%	20.0%	54.8%	55.3%	3.3%	3.5%
CD10	110,453	41,808	220,975	222,604	34,380	35,002	412,169	26.8%	10.1%	53.6%	54.0%	8.3%	8.5%
CD11	142,720	146,777	29,694	30,716	51,040	52,629	374,799	38.1%	39.2%	7.9%	8.2%	13.6%	14.0%
CD12	278,232	86,954	43,000	44,914	56,184	58,294	470,878	59.1%	18.5%	9.1%	9.5%	11.9%	12.4%
CD13	351,918	51,294	28,653	29,704	41,139	42,146	476,738	73.8%	10.8%	6.0%	6.2%	8.6%	8.8%
CD14	72,064	186,854	127,272	130,123	10,449	11,200	402,319	17.9%	46.4%	31.6%	32.3%	2.6%	2.8%
CD15	25,336	208,112	125,822	127,398	9,653	9,945	372,578	6.8%	55.9%	33.8%	34.2%	2.6%	2.7%
CD16	314,255	62,212	46,799	48,381	17,973	18,746	445,207	70.6%	14.0%	10.5%	10.9%	4.0%	4.2%
CD17	224,063	64,120	137,903	139,515	20,547	21,199	451,173	49.7%	14.2%	30.6%	30.9%	4.6%	4.7%
CD18	390,688	45,000	39,272	41,436	10,373	11,224	491,304	79.5%	9.2%	8.0%	8.4%	2.1%	2.3%
CD19	496,763	16,878	14,474	15,758	4,785	5,638	539,052	92.2%	3.1%	2.7%	2.9%	0.9%	1.0%
CD20	459,072	20,660	41,281	44,376	9,909	11,161	539,473	85.1%	3.8%	7.7%	8.2%	1.8%	2.1%
CD21	462,872	13,512	34,788	36,822	9,916	10,945	529,821	87.4%	2.6%	6.6%	6.9%	1.9%	2.1%
CD22	498,411	16,683	20,274	22,078	6,874	7,831	548,693	90.8%	3.0%	3.7%	4.0%	1.3%	1.4%
CD23	507,213	11,318	14,850	16,012	2,596	3,303	543,492	93.3%	2.1%	2.7%	2.9%	0.5%	0.6%
CD24	499,146	9,124	22,240	23,334	6,232	6,864	542,942	91.9%	1.7%	4.1%	4.3%	1.1%	1.3%
CD25	435,475	22,632	78,287	79,911	4,195	4,942	547,191	79.6%	4.1%	14.3%	14.6%	0.8%	0.9%
CD26	415,920	28,351	68,189	70,062	9,774	10,739	527,961	78.8%	5.4%	12.9%	13.3%	1.9%	2.0%
CD27	510,303	8,462	12,967	14,058	3,857	4,336	543,299	93.9%	1.6%	2.4%	2.6%	0.7%	0.8%

**Exhibit 3. Comparative Citizens of Voting Age Population Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo**

Assembly Majority Plan	Non-Hispanic White CVAP	Hispanic CVAP	Non-Hispanic Black Single Race CVAP	Non-Hispanic Black and Black in Combination CVAP	Non-Hispanic Asian Single Race CVAP	Non-Hispanic Asian and Asian in Combination CVAP	Citizen Population 18 and Over (CVAP)	% Non-Hispanic White CVAP	% Hispanic CVAP	% Non-Hispanic Black Single Race CVAP	% Non-Hispanic Black and Black in Combination CVAP	% Non-Hispanic Asian Single Race CVAP	% Non-Hispanic Asian and Asian in Combination CVAP
1	430,447	35,411	19,639	20,604	11,258	11,998	500,611	86.0%	7.1%	3.9%	4.1%	2.2%	2.4%
2	319,936	54,770	52,781	54,190	24,301	25,181	456,013	70.2%	12.0%	11.6%	11.9%	5.3%	5.5%
3	463,812	33,252	7,578	7,926	18,823	19,425	525,769	88.2%	6.3%	1.4%	1.5%	3.6%	3.7%
4	313,641	53,910	79,484	81,025	32,253	32,736	483,217	64.9%	11.2%	16.4%	16.8%	6.7%	6.8%
5	232,309	91,689	21,995	23,014	82,432	83,831	433,349	53.6%	21.2%	5.1%	5.3%	19.0%	19.3%
6	75,627	62,880	219,509	222,655	60,846	61,648	428,008	17.7%	14.7%	51.3%	52.0%	14.2%	14.4%
7	107,242	136,847	56,723	57,819	75,209	76,305	380,311	28.2%	36.0%	14.9%	15.2%	19.8%	20.1%
8	366,832	41,165	22,563	23,628	47,236	49,551	483,363	75.9%	8.5%	4.7%	4.9%	9.8%	10.3%
9	328,844	55,423	29,750	30,835	54,053	55,109	471,657	69.7%	11.8%	6.3%	6.5%	11.5%	11.7%
10	122,485	60,838	237,116	238,564	19,530	20,207	444,130	27.6%	13.7%	53.4%	53.7%	4.4%	4.5%
11	144,942	47,329	221,268	223,573	17,779	18,884	437,280	33.1%	10.8%	50.6%	51.1%	4.1%	4.3%
12	131,795	159,764	37,920	39,002	59,903	61,277	394,130	33.4%	40.5%	9.6%	9.9%	15.2%	15.5%
13	372,081	60,207	22,323	23,913	51,926	54,683	513,096	72.5%	11.7%	4.4%	4.7%	10.1%	10.7%
14	40,770	190,414	116,750	118,155	9,665	9,931	361,369	11.3%	52.7%	32.3%	32.7%	2.7%	2.7%
15	101,964	174,297	136,529	139,786	14,430	15,736	433,965	23.5%	40.2%	31.5%	32.2%	3.3%	3.6%
16	294,820	57,506	77,014	78,929	17,416	18,232	451,277	65.3%	12.7%	17.1%	17.5%	3.9%	4.0%
17	256,174	68,190	102,692	104,036	21,362	21,996	452,568	56.6%	15.1%	22.7%	23.0%	4.7%	4.9%
18	421,996	38,192	36,945	39,572	9,354	10,213	512,725	82.3%	7.4%	7.2%	7.7%	1.8%	2.0%
19	454,316	29,795	22,820	24,503	6,172	6,903	519,809	87.4%	5.7%	4.4%	4.7%	1.2%	1.3%
20	520,282	10,549	12,397	13,452	4,983	5,960	553,941	93.9%	1.9%	2.2%	2.4%	0.9%	1.1%
21	464,981	18,491	37,112	39,731	9,749	10,987	538,214	86.4%	3.4%	6.9%	7.4%	1.8%	2.0%
22	463,044	13,479	35,889	37,860	9,814	10,817	531,041	87.2%	2.5%	6.8%	7.1%	1.8%	2.0%
23	491,631	14,107	20,706	22,275	4,264	5,048	538,580	91.3%	2.6%	3.8%	4.1%	0.8%	0.9%
24	512,013	8,995	16,246	17,426	3,261	3,919	545,908	93.8%	1.6%	3.0%	3.2%	0.6%	0.7%
25	413,168	28,340	66,882	68,560	10,448	11,319	524,415	78.8%	5.4%	12.8%	13.1%	2.0%	2.2%
26	440,826	9,981	74,427	75,990	7,197	7,916	539,231	81.8%	1.9%	13.8%	14.1%	1.3%	1.5%
27	493,310	21,356	23,439	24,711	3,261	3,863	549,842	89.7%	3.9%	4.3%	4.5%	0.6%	0.7%

**Exhibit 3. Comparative Citizens of Voting Age Population Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo**

Assembly Minority Plan	Non-Hispanic White CVAP	Hispanic CVAP	Non-Hispanic Black Single Race CVAP	Non-Hispanic Black and Black in Combination CVAP	Non-Hispanic Asian Single Race CVAP	Non-Hispanic Asian and Asian in Combination CVAP	Citizen Population 18 and Over (CVAP)	% Non-Hispanic White CVAP	% Hispanic CVAP	% Non-Hispanic Black Single Race CVAP	% Non-Hispanic Black and Black in Combination CVAP	% Non-Hispanic Asian Single Race CVAP	% Non-Hispanic Asian and Asian in Combination CVAP
1	431,947	35,685	19,648	20,573	11,478	12,182	502,556	86.0%	7.1%	3.9%	4.1%	2.3%	2.4%
2	358,503	56,717	45,685	47,065	12,779	13,472	477,631	75.1%	11.9%	9.6%	9.9%	2.7%	2.8%
3	445,666	33,829	10,749	11,146	24,264	24,832	516,954	86.2%	6.5%	2.1%	2.2%	4.7%	4.8%
4	285,352	47,947	21,072	21,998	101,554	103,071	461,356	61.9%	10.4%	4.6%	4.8%	22.0%	22.3%
5	118,846	53,230	240,922	244,228	25,274	25,621	444,945	26.7%	12.0%	54.1%	54.9%	5.7%	5.8%
6	151,157	87,626	61,981	63,508	79,933	81,093	387,043	39.1%	22.6%	16.0%	16.4%	20.7%	21.0%
7	417,033	36,014	15,480	16,889	56,941	60,190	532,382	78.3%	6.8%	2.9%	3.2%	10.7%	11.3%
8	151,110	152,565	126,247	129,514	19,975	21,508	457,153	33.1%	33.4%	27.6%	28.3%	4.4%	4.7%
9	296,502	65,082	18,697	19,295	53,477	54,345	436,861	67.9%	14.9%	4.3%	4.4%	12.2%	12.4%
10	73,314	91,468	251,422	253,006	12,259	12,888	432,720	16.9%	21.1%	58.1%	58.5%	2.8%	3.0%
11	141,456	47,364	223,408	225,720	19,632	20,842	438,174	32.3%	10.8%	51.0%	51.5%	4.5%	4.8%
12	209,805	130,067	29,954	31,366	59,101	61,295	435,085	48.2%	29.9%	6.9%	7.2%	13.6%	14.1%
13	338,470	53,244	28,373	29,447	49,685	50,750	473,511	71.5%	11.2%	6.0%	6.2%	10.5%	10.7%
14	15,378	203,491	110,497	111,827	5,570	5,751	337,864	4.6%	60.2%	32.7%	33.1%	1.6%	1.7%
15	160,858	113,009	151,381	153,367	16,623	17,317	447,128	36.0%	25.3%	33.9%	34.3%	3.7%	3.9%
16	170,207	134,169	62,926	64,298	46,223	47,251	417,701	40.7%	32.1%	15.1%	15.4%	11.1%	11.3%
17	339,633	42,922	43,330	44,587	23,524	24,155	453,027	75.0%	9.5%	9.6%	9.8%	5.2%	5.3%
18	388,881	45,239	39,363	41,536	10,461	11,361	489,981	79.4%	9.2%	8.0%	8.5%	2.1%	2.3%
19	487,343	23,155	21,580	23,916	4,951	5,522	544,757	89.5%	4.3%	4.0%	4.4%	0.9%	1.0%
20	462,103	18,054	35,977	38,299	9,985	11,399	533,292	86.7%	3.4%	6.7%	7.2%	1.9%	2.1%
21	508,312	11,649	16,535	17,755	2,479	3,241	546,456	93.0%	2.1%	3.0%	3.2%	0.5%	0.6%
22	473,015	11,978	33,526	35,285	6,489	7,269	533,126	88.7%	2.2%	6.3%	6.6%	1.2%	1.4%
23	413,503	28,153	67,744	69,578	10,760	11,715	525,769	78.6%	5.4%	12.9%	13.2%	2.0%	2.2%
24	505,752	9,298	20,166	21,331	3,427	4,053	546,579	92.5%	1.7%	3.7%	3.9%	0.6%	0.7%
25	427,996	20,264	80,452	81,916	7,477	8,277	541,865	79.0%	3.7%	14.8%	15.1%	1.4%	1.5%
26	497,659	13,906	18,200	19,835	9,605	10,852	546,095	91.1%	2.5%	3.3%	3.6%	1.8%	2.0%
27	509,486	11,053	13,181	14,451	2,997	3,425	543,809	93.7%	2.0%	2.4%	2.7%	0.6%	0.6%

**Exhibit 3. Comparative Citizens of Voting Age Population Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo**

Common Cause Plan	Non-Hispanic White CVAP	Hispanic CVAP	Non-Hispanic Black Single Race CVAP	Non-Hispanic Black and Black in Combination CVAP	Non-Hispanic Asian Single Race CVAP	Non-Hispanic Asian and Asian in Combination CVAP	Citizen Population 18 and Over (CVAP)	% Non-Hispanic White CVAP	% Hispanic CVAP	% Non-Hispanic Black Single Race CVAP	% Non-Hispanic Black and Black in Combination CVAP	% Non-Hispanic Asian Single Race CVAP	% Non-Hispanic Asian and Asian in Combination CVAP
1	431,882	35,693	19,661	20,586	11,411	12,121	502,451	86.0%	7.1%	3.9%	4.1%	2.3%	2.4%
2	366,351	57,988	43,797	45,085	10,757	11,355	482,614	75.9%	12.0%	9.1%	9.3%	2.2%	2.4%
3	422,966	28,876	11,117	11,601	37,626	38,525	503,494	84.0%	5.7%	2.2%	2.3%	7.5%	7.7%
4	306,499	54,877	84,932	86,488	26,505	26,979	476,661	64.3%	11.5%	17.8%	18.1%	5.6%	5.7%
5	92,845	65,281	214,745	217,791	49,196	49,877	430,353	21.6%	15.2%	49.9%	50.6%	11.4%	11.6%
6	214,098	68,693	20,802	21,983	121,909	123,469	431,930	49.6%	15.9%	4.8%	5.1%	28.2%	28.6%
7	142,505	155,591	39,340	40,396	65,140	66,756	407,638	35.0%	38.2%	9.7%	9.9%	16.0%	16.4%
8	116,189	73,203	241,310	243,725	14,677	15,763	451,382	25.7%	16.2%	53.5%	54.0%	3.3%	3.5%
9	144,284	33,114	217,922	219,280	22,547	23,077	421,967	34.2%	7.8%	51.6%	52.0%	5.3%	5.5%
10	343,567	42,540	14,680	15,745	64,136	66,618	470,459	73.0%	9.0%	3.1%	3.3%	13.6%	14.2%
11	356,474	55,227	38,059	39,146	35,470	36,573	488,922	72.9%	11.3%	7.8%	8.0%	7.3%	7.5%
12	364,278	60,851	18,674	20,263	50,745	53,294	500,930	72.7%	12.1%	3.7%	4.0%	10.1%	10.6%
13	117,636	192,387	77,868	79,936	15,456	16,593	408,246	28.8%	47.1%	19.1%	19.6%	3.8%	4.1%
14	103,396	156,658	69,582	70,655	46,173	47,229	379,610	27.2%	41.3%	18.3%	18.6%	12.2%	12.4%
15	31,635	177,014	165,633	168,193	8,592	9,154	388,240	8.1%	45.6%	42.7%	43.3%	2.2%	2.4%
16	210,785	83,907	140,279	142,350	14,449	15,041	454,346	46.4%	18.5%	30.9%	31.3%	3.2%	3.3%
17	347,815	39,949	40,696	41,837	23,361	24,041	455,440	76.4%	8.8%	8.9%	9.2%	5.1%	5.3%
18	380,575	47,473	42,565	44,835	10,626	11,447	487,047	78.1%	9.7%	8.7%	9.2%	2.2%	2.4%
19	492,368	23,139	20,029	21,982	4,542	5,110	546,986	90.0%	4.2%	3.7%	4.0%	0.8%	0.9%
20	459,670	18,546	37,339	39,974	10,276	11,643	533,858	86.1%	3.5%	7.0%	7.5%	1.9%	2.2%
21	506,681	11,840	16,351	17,557	2,636	3,516	545,328	92.9%	2.2%	3.0%	3.2%	0.5%	0.6%
22	459,946	14,358	38,691	41,104	7,913	8,763	529,564	86.9%	2.7%	7.3%	7.8%	1.5%	1.7%
23	505,608	10,868	14,989	16,493	8,811	10,011	546,872	92.5%	2.0%	2.7%	3.0%	1.6%	1.8%
24	509,933	10,195	15,374	16,035	2,790	3,314	543,243	93.9%	1.9%	2.8%	3.0%	0.5%	0.6%
25	413,787	28,326	68,169	70,058	10,601	11,581	526,673	78.6%	5.4%	12.9%	13.3%	2.0%	2.2%
26	422,730	20,531	86,904	88,522	7,642	8,428	544,226	77.7%	3.8%	16.0%	16.3%	1.4%	1.5%
27	514,783	10,053	8,990	10,114	2,936	3,397	545,332	94.4%	1.8%	1.6%	1.9%	0.5%	0.6%

**Exhibit 3. Comparative Citizens of Voting Age Population Race and Hispanic Breakdown of Voting Age Population for Plans Submitted by Parties Favors v. Cuomo**

Rose Intervenor Plan	Non-Hispanic White CVAP	Hispanic CVAP	Non-Hispanic Black Single Race CVAP	Non-Hispanic Black and Black in Combination CVAP	Non-Hispanic Asian Single Race CVAP	Non-Hispanic Asian and Asian in Combination CVAP	Citizen Population 18 and Over (CVAP)	% Non-Hispanic White CVAP	% Hispanic CVAP	% Non-Hispanic Black Single Race CVAP	% Non-Hispanic Black and Black in Combination CVAP	% Non-Hispanic Asian Single Race CVAP	% Non-Hispanic Asian and Asian in Combination CVAP
1	393,419	48,570	29,422	28,182	11,492	12,117	485,885	81.0%	10.0%	6.1%	5.8%	2.4%	2.5%
2	364,517	39,269	44,485	43,420	24,676	25,541	475,525	76.7%	8.3%	9.4%	9.1%	5.2%	5.4%
3	458,298	36,491	9,568	9,136	17,133	17,848	523,613	87.5%	7.0%	1.8%	1.7%	3.3%	3.4%
4	316,286	49,543	62,806	61,093	49,142	49,834	480,527	65.8%	10.3%	13.1%	12.7%	10.2%	10.4%
5	185,977	109,444	42,786	41,552	83,569	84,723	425,534	43.7%	25.7%	10.1%	9.8%	19.6%	19.9%
6	68,053	61,803	239,855	236,783	54,029	54,761	429,354	15.9%	14.4%	55.9%	55.1%	12.6%	12.8%
7	204,836	90,738	22,477	21,802	76,046	77,296	397,462	51.5%	22.8%	5.7%	5.5%	19.1%	19.4%
8	358,368	45,888	26,802	25,587	46,738	49,200	482,640	74.3%	9.5%	5.6%	5.3%	9.7%	10.2%
9	128,427	65,729	244,545	242,710	15,862	16,772	457,600	28.1%	14.4%	53.4%	53.0%	3.5%	3.7%
10	132,770	44,599	217,587	215,713	20,267	21,210	418,674	31.7%	10.7%	52.0%	51.5%	4.8%	5.1%
11	129,173	170,689	44,542	43,411	50,113	51,282	397,734	32.5%	42.9%	11.2%	10.9%	12.6%	12.9%
12	330,131	55,256	30,846	29,760	53,439	54,495	472,157	69.9%	11.7%	6.5%	6.3%	11.3%	11.5%
13	383,939	52,203	18,085	16,474	56,819	59,740	516,495	74.3%	10.1%	3.5%	3.2%	11.0%	11.6%
14	50,731	187,149	169,320	166,276	11,190	12,218	421,730	12.0%	44.4%	40.1%	39.4%	2.7%	2.9%
15	40,860	197,910	109,379	107,748	7,973	8,292	358,088	11.4%	55.3%	30.5%	30.1%	2.2%	2.3%
16	261,578	72,321	95,777	94,541	21,828	22,427	454,340	57.6%	15.9%	21.1%	20.8%	4.8%	4.9%
17	295,585	57,016	79,653	77,717	18,128	18,957	452,886	65.3%	12.6%	17.6%	17.2%	4.0%	4.2%
18	393,128	46,027	42,299	39,930	9,405	10,256	494,541	79.5%	9.3%	8.6%	8.1%	1.9%	2.1%
19	481,618	23,187	25,850	23,837	8,101	9,200	544,245	88.5%	4.3%	4.7%	4.4%	1.5%	1.7%
20	464,981	18,491	39,731	37,112	9,749	10,987	538,214	86.4%	3.4%	7.4%	6.9%	1.8%	2.0%
21	490,827	14,942	24,017	22,389	4,243	5,020	540,436	90.8%	2.8%	4.4%	4.1%	0.8%	0.9%
22	522,185	7,716	7,726	6,860	3,017	3,708	544,753	95.9%	1.4%	1.4%	1.3%	0.6%	0.7%
23	469,818	12,154	36,795	34,964	6,470	7,277	531,651	88.4%	2.3%	6.9%	6.6%	1.2%	1.4%
24	443,347	10,084	75,429	73,884	6,789	7,431	540,929	82.0%	1.9%	13.9%	13.7%	1.3%	1.4%
25	490,251	22,164	28,518	27,257	3,856	4,568	550,573	89.0%	4.0%	5.2%	5.0%	0.7%	0.8%
26	414,585	29,373	67,341	65,461	12,161	13,217	527,824	78.5%	5.6%	12.8%	12.4%	2.3%	2.5%
27	505,599	8,422	16,091	14,899	4,693	5,302	540,408	93.6%	1.6%	3.0%	2.8%	0.9%	1.0%