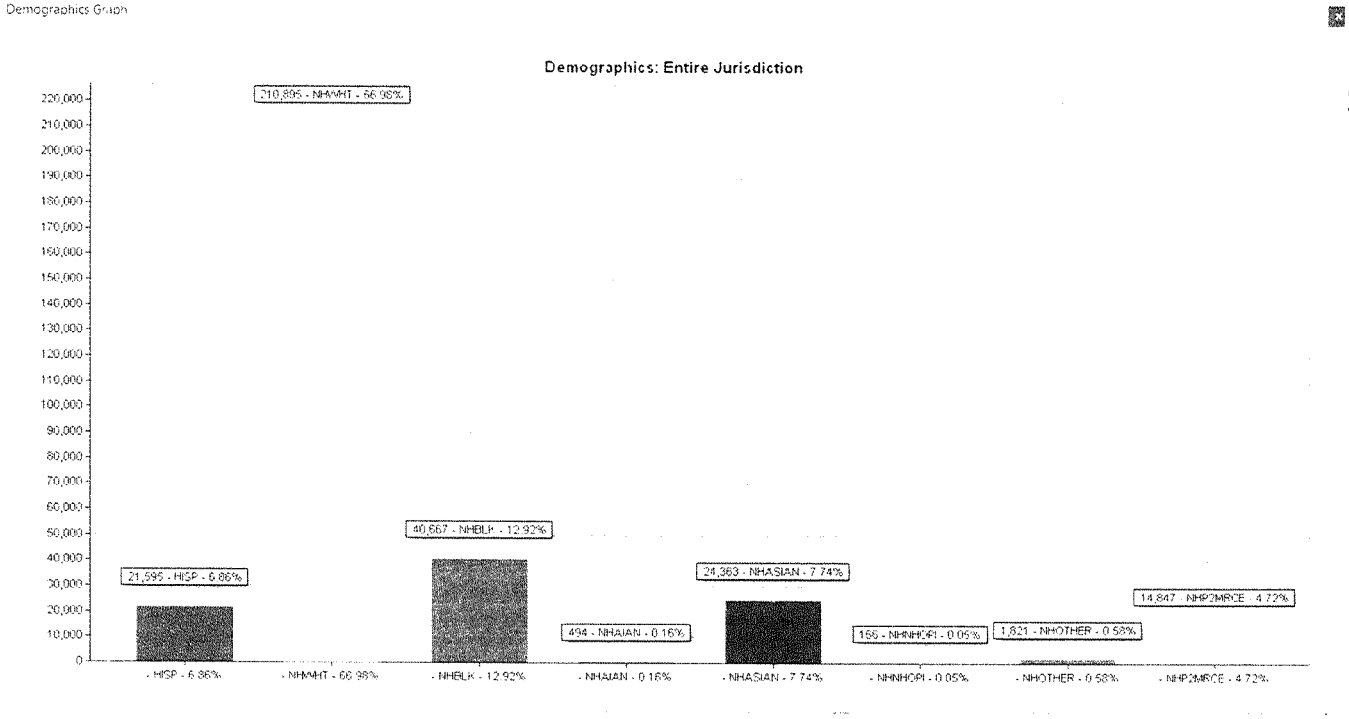
Majority Minority Districts Commission Public Hearing 5/18/2022

ARCBridge Consulting & Training Inc.

Total Population as released by Bureau of Census and the State adjusted Population

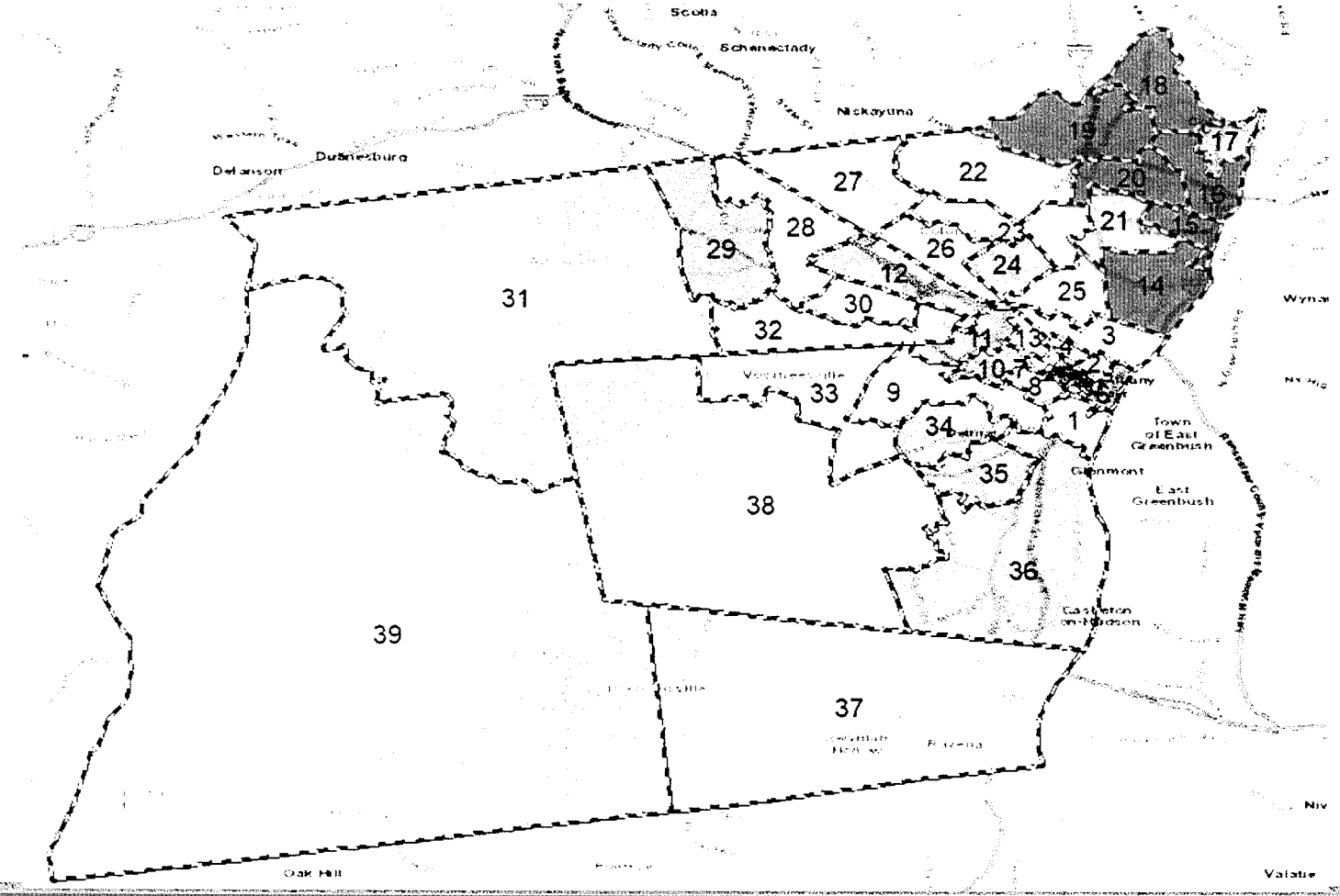


State Adjusted Census PL94-171

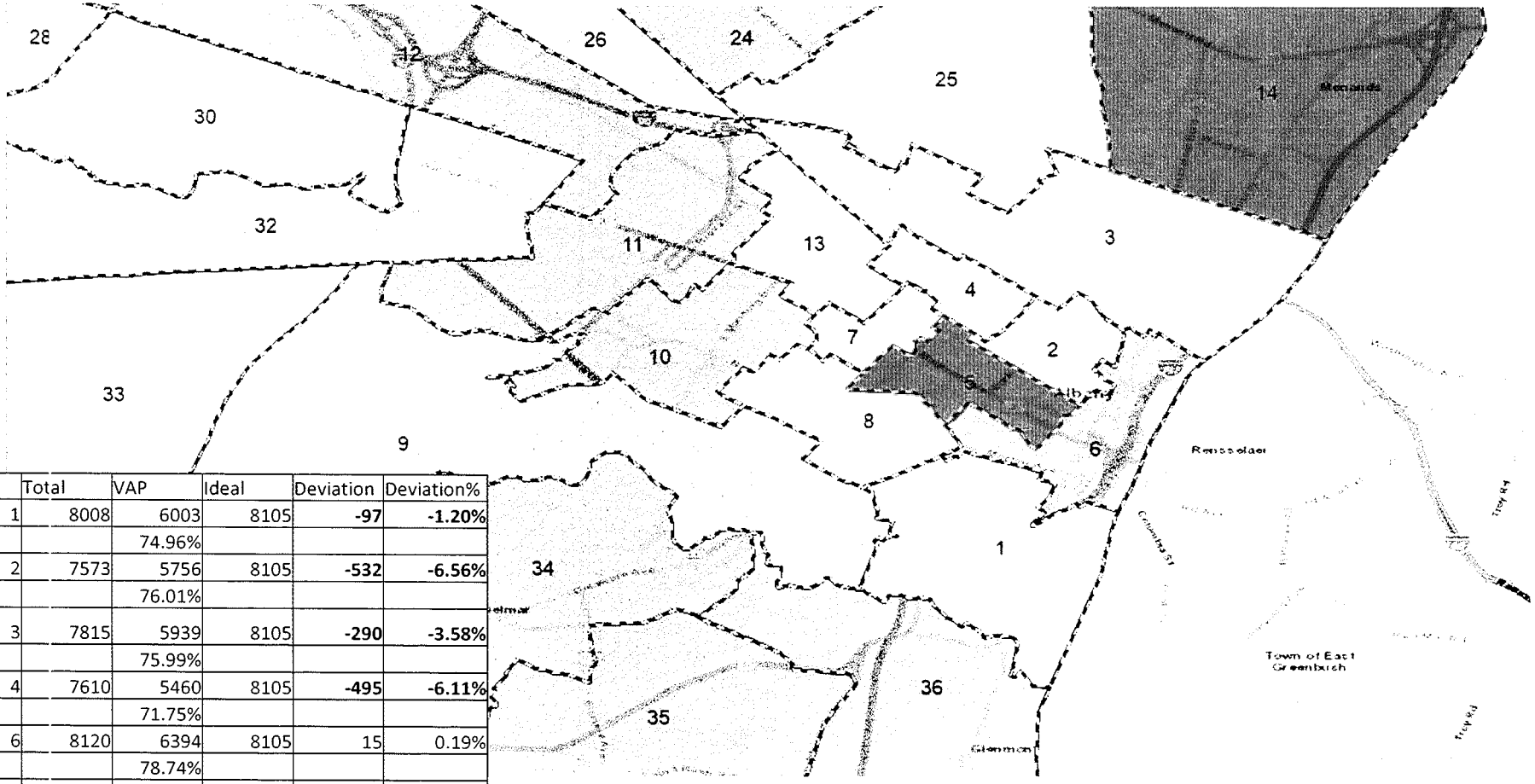
Race & Ethnicity	#	%
HISP:	21,730	6.87%
NHWHT:	211,151	66.80%
NHBLK:	41,474	13.12%
NHAIAN:	504	0.16%
NHASIAN:	24,365	7.71%
NHNHOPI:	166	0.05%
NHOTHER:	1,837	0.58%
NHP2MRCE:	14,847	4.70%
Unknown Ethnicity	5	0.00%
	316,079	

Ideal Population – 8,105

Overall – Green Districts have less than 5%; Pink and Red Districts have more than 5% deviation

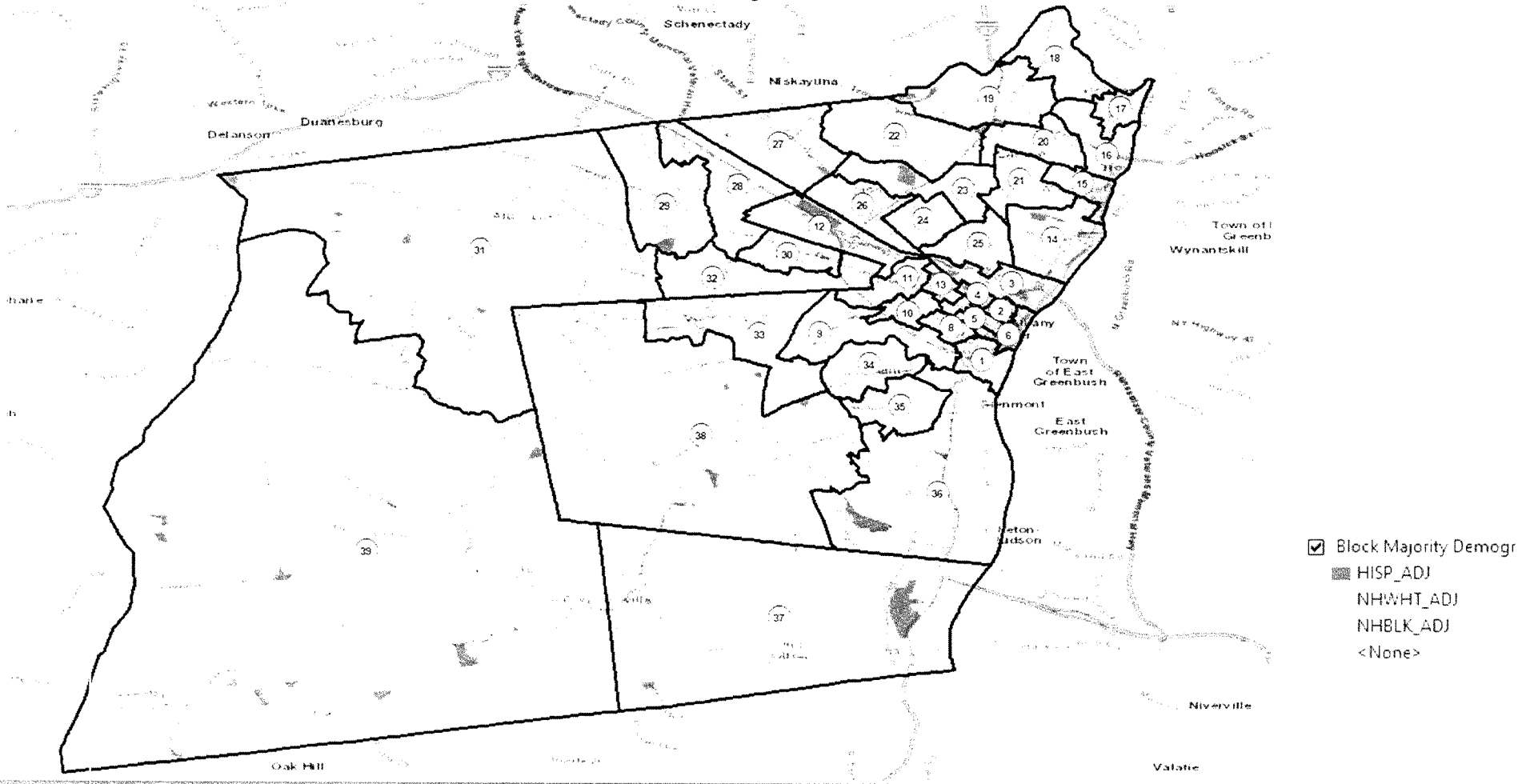


Overall – Green Districts have less than 5%; Pink and Red Districts have more than 5% deviation

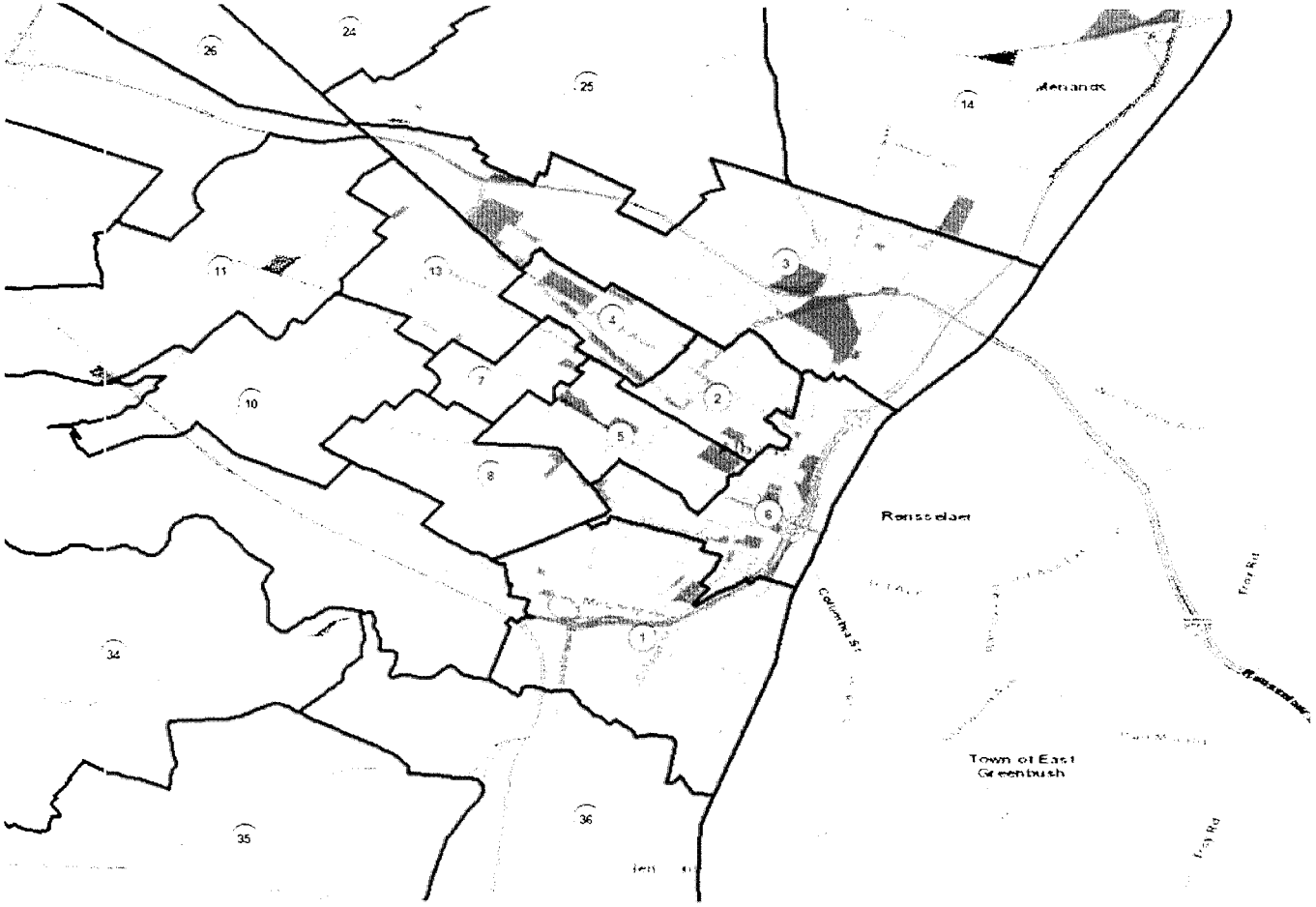


	Total	VAP	Ideal	Deviation	Deviation%
1	8008	6003	8105	**-97**	**-1.20%**
		74.96%			
2	7573	5756	8105	**-532**	**-6.56%**
		76.01%			
3	7815	5939	8105	**-290**	**-3.58%**
		75.99%			
4	7610	5460	8105	**-495**	**-6.11%**
		71.75%			
6	8120	6394	8105	15	0.19%
		78.74%			
7	7485	6509	8105	**-620**	**-7.65%**
		86.96%			

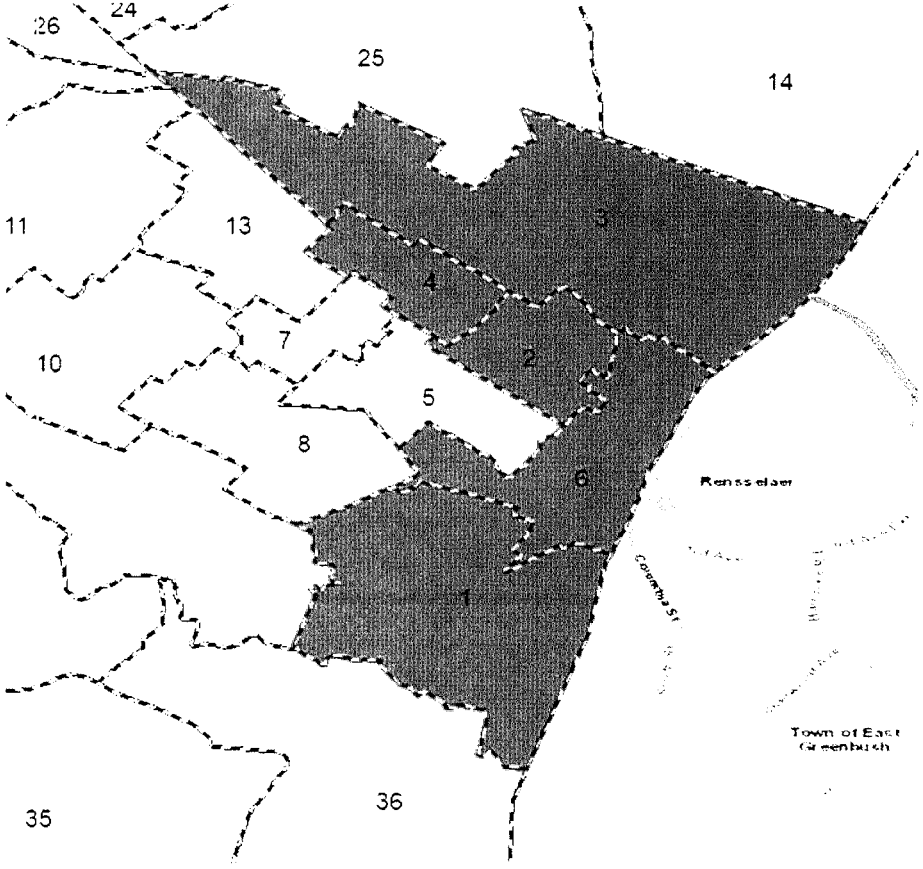
Population Distribution by Race & Ethnicity



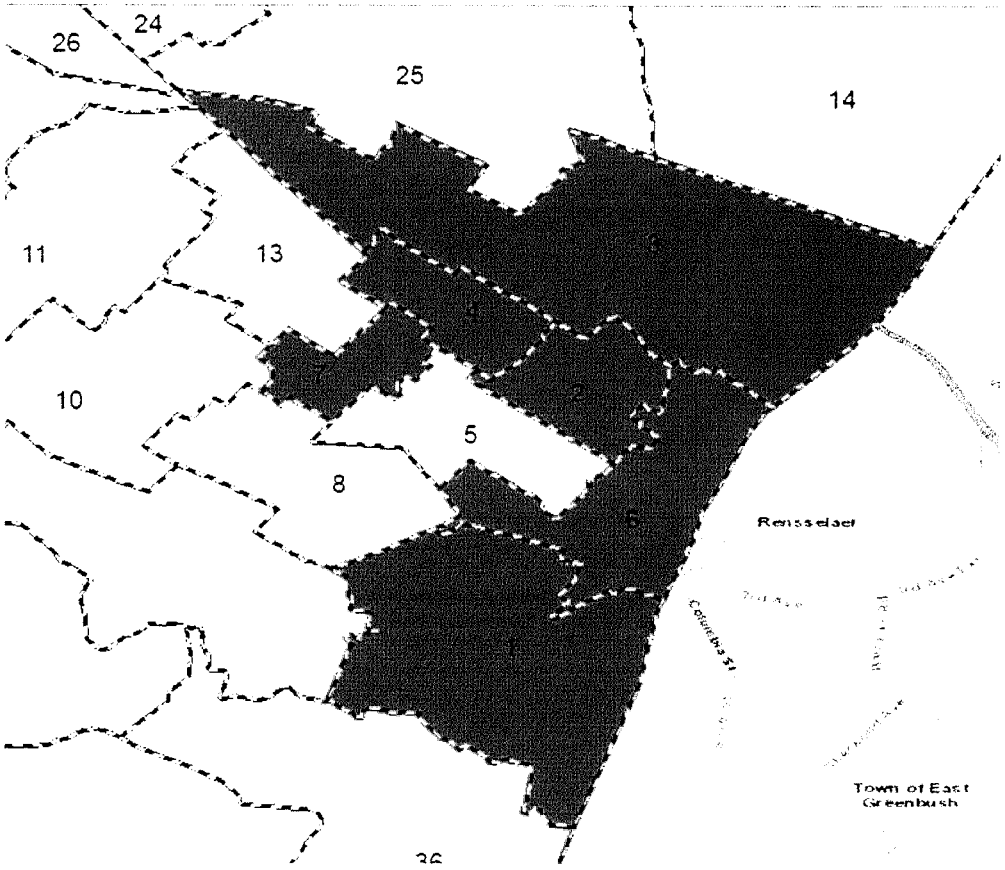
Population Distribution by Race & Ethnicity



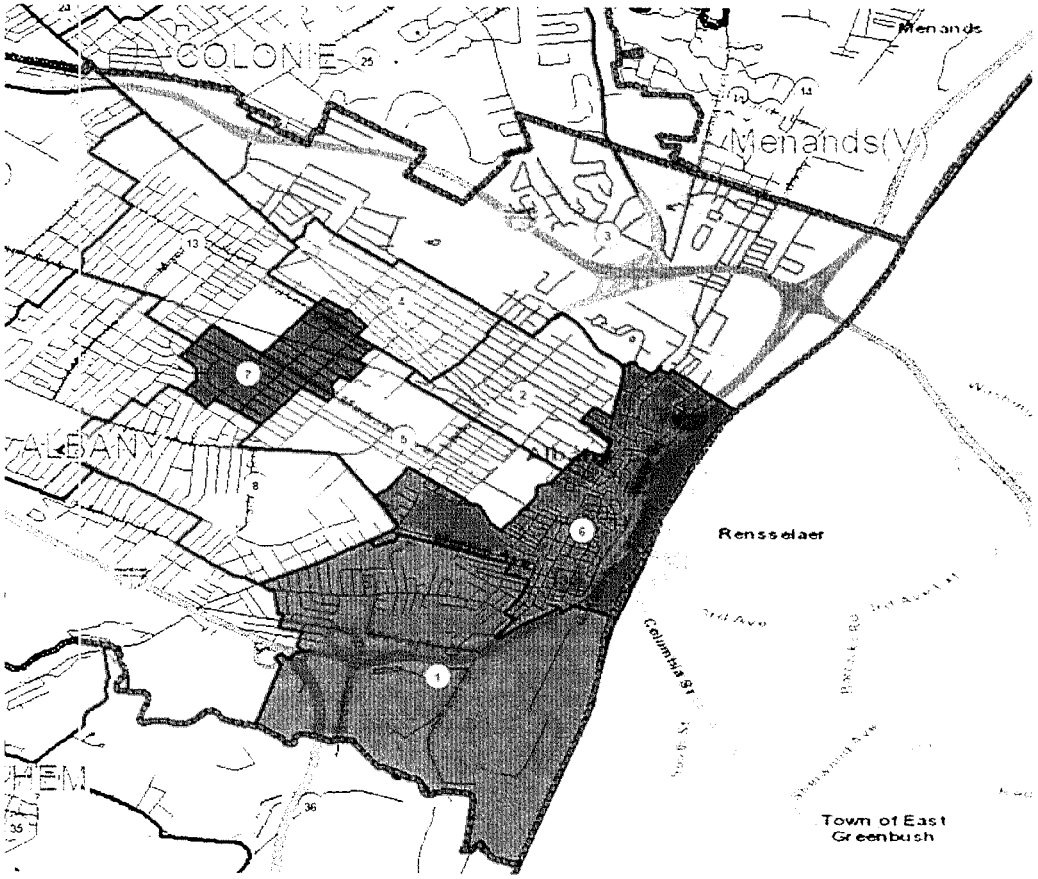
Current – Majority/Plurality NH Black Districts



Current – Majority/Plurality NH All Minority Districts



Current – AS-IS Districts



	Total	VAP	Ideal	Deviation	Deviation%
1	8008	6003	8105	**-97**	**-1.20%**
		74.96%			
2	7573	5756	8105	**-532**	**-6.56%**
		76.01%			
3	7815	5939	8105	**-290**	**-3.58%**
		75.99%			
4	7610	5460	8105	**-495**	**-6.11%**
		71.75%			
6	8120	6394	8105	15	0.19%
		78.74%			
7	7485	6509	8105	**-620**	**-7.65%**
		86.96%			

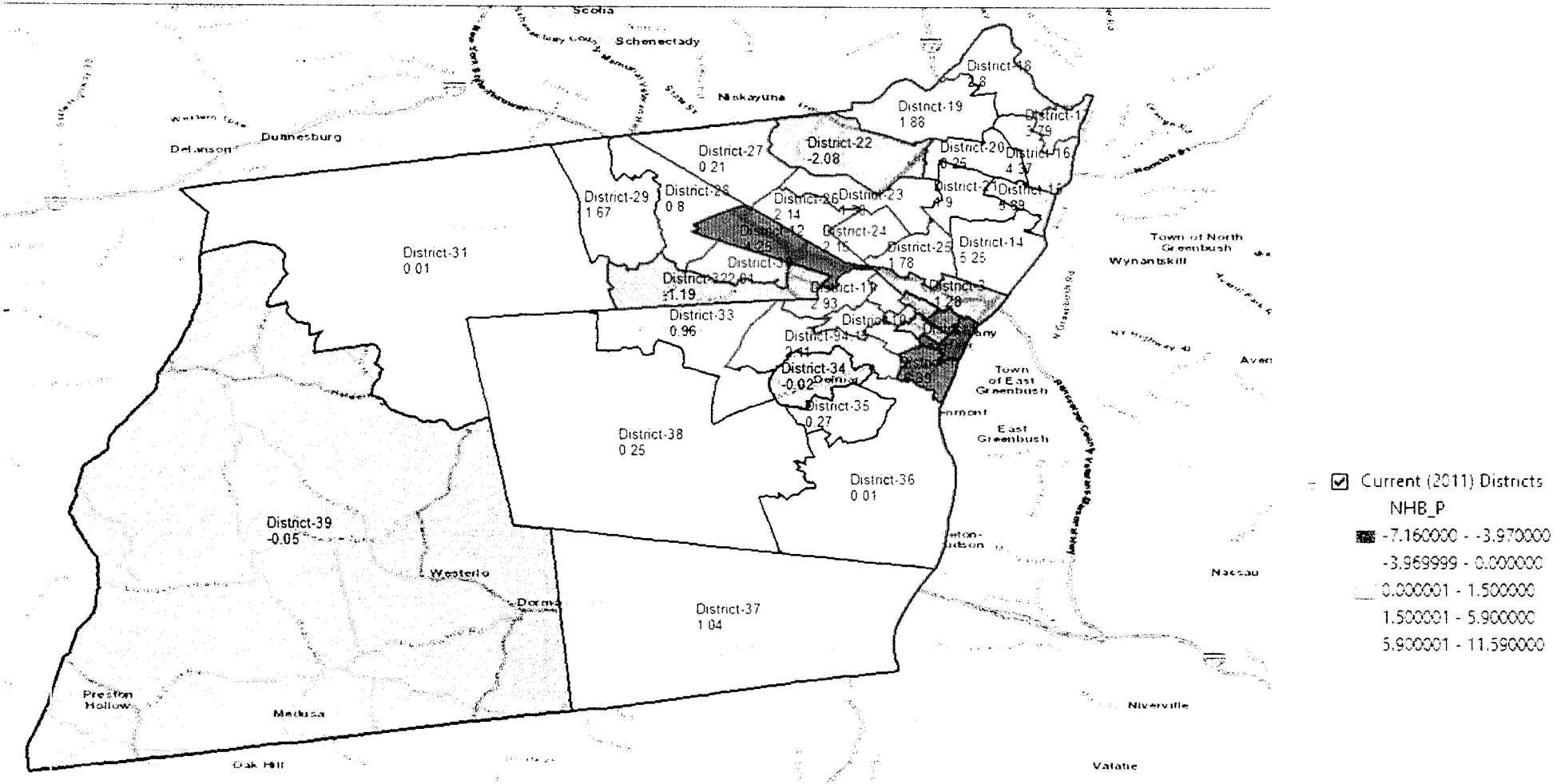
	Hisp	HISP_VAP	NHW	NHW_VAP	NHB	NHB_VAP	MIN	MINVAP
1	1402	948	1765	1529	3708	2754	6243	4474
	17.51%	15.79%	22.04%	25.47%	**46.30%**	**45.88%**	**77.96%**	**74.53%**
2	919	626	1740	1622	4114	2957	5833	4134
	12.14%	10.88%	22.98%	28.18%	**54.32%**	**51.37%**	**77.02%**	**71.82%**
3	982	659	1804	1610	4226	3101	6011	4329
	12.57%	11.10%	23.08%	27.11%	**54.08%**	**52.21%**	**76.92%**	**72.89%**
4	1076	685	1217	1029	3994	2848	6393	4431
	14.14%	12.55%	15.99%	18.85%	**52.48%**	**52.16%**	**84.01%**	**81.15%**
6	1214	859	2148	1946	3868	2935	5972	4448
	14.95%	13.43%	26.45%	30.43%	**47.64%**	**45.90%**	**73.55%**	**69.57%**
7	979	801	3390	3185	1974	1585	4095	3324
	13.08%	12.31%	45.29%	48.93%	**26.37%**	**24.35%**	**54.71%**	**51.07%**

Comparision of 2011-2021 Total & Voting Age Population Demographic Percentages

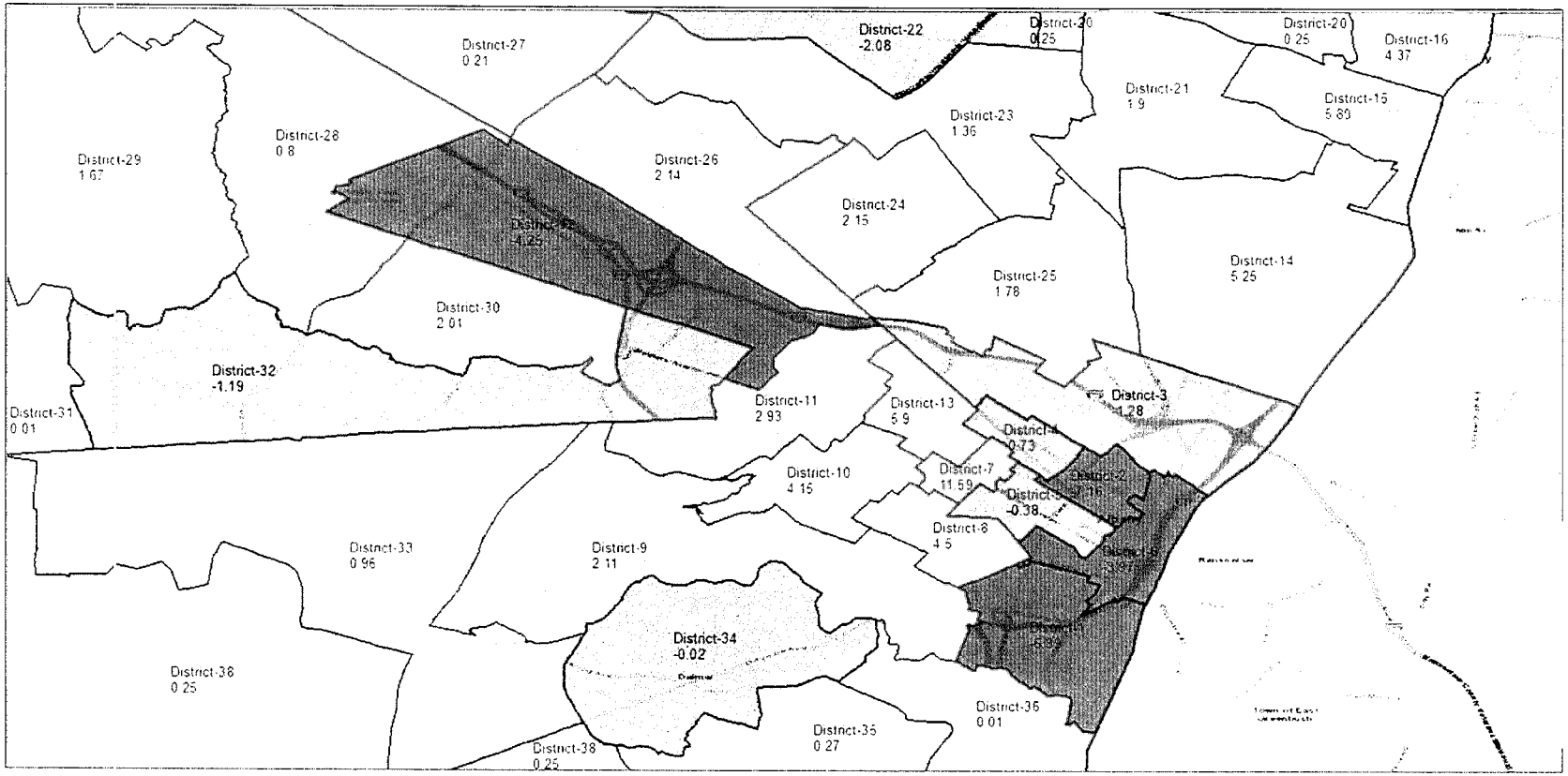
Difference	Total Population Percentage				Voting Age Population Percentage			
District	NHW	NHB	Hisp	NH Asian	NHW_VAP	NHB_VAP	HISP_VAP	NH AsianVAP
1	-4.34%	-6.89%	4.82%	3.58%	-6.82%	-5.08%	5.47%	2.85%
2	1.01%	-7.16%	0.93%	2.49%	0.27%	-6.27%	1.39%	2.15%
3	-6.23%	-1.28%	3.40%	0.58%	-9.43%	1.46%	3.59%	0.97%
4	-8.69%	-0.73%	2.08%	4.81%	-11.30%	1.74%	2.14%	3.94%
5	-9.51%	-0.38%	2.82%	4.33%	-10.35%	0.54%	3.29%	3.84%
6	-0.19%	-3.97%	1.02%	0.71%	-2.02%	-3.74%	2.03%	1.23%
7	-22.37%	11.59%	5.11%	1.31%	-22.45%	11.61%	5.10%	1.33%
8	-13.50%	4.50%	3.87%	1.88%	-13.02%	4.89%	3.78%	1.84%
9	-9.46%	2.11%	2.33%	2.77%	-9.31%	2.80%	2.04%	2.56%
10	-10.97%	4.15%	1.57%	2.81%	-10.74%	4.20%	1.69%	2.52%
11	-11.60%	2.93%	1.37%	4.31%	-11.40%	3.23%	1.37%	4.28%

2011 - Hispanic - 4.90%; NH-White - 75.99%; NH-Black - 11.96%; NH-Asian - 4.77%
2021 - Hispanic - 6.87%; NH-White - 66.80%; NH-Black - 13.12%; NH-Asian - 7.71%

Difference in NH-Black Population in 2011 and 2022

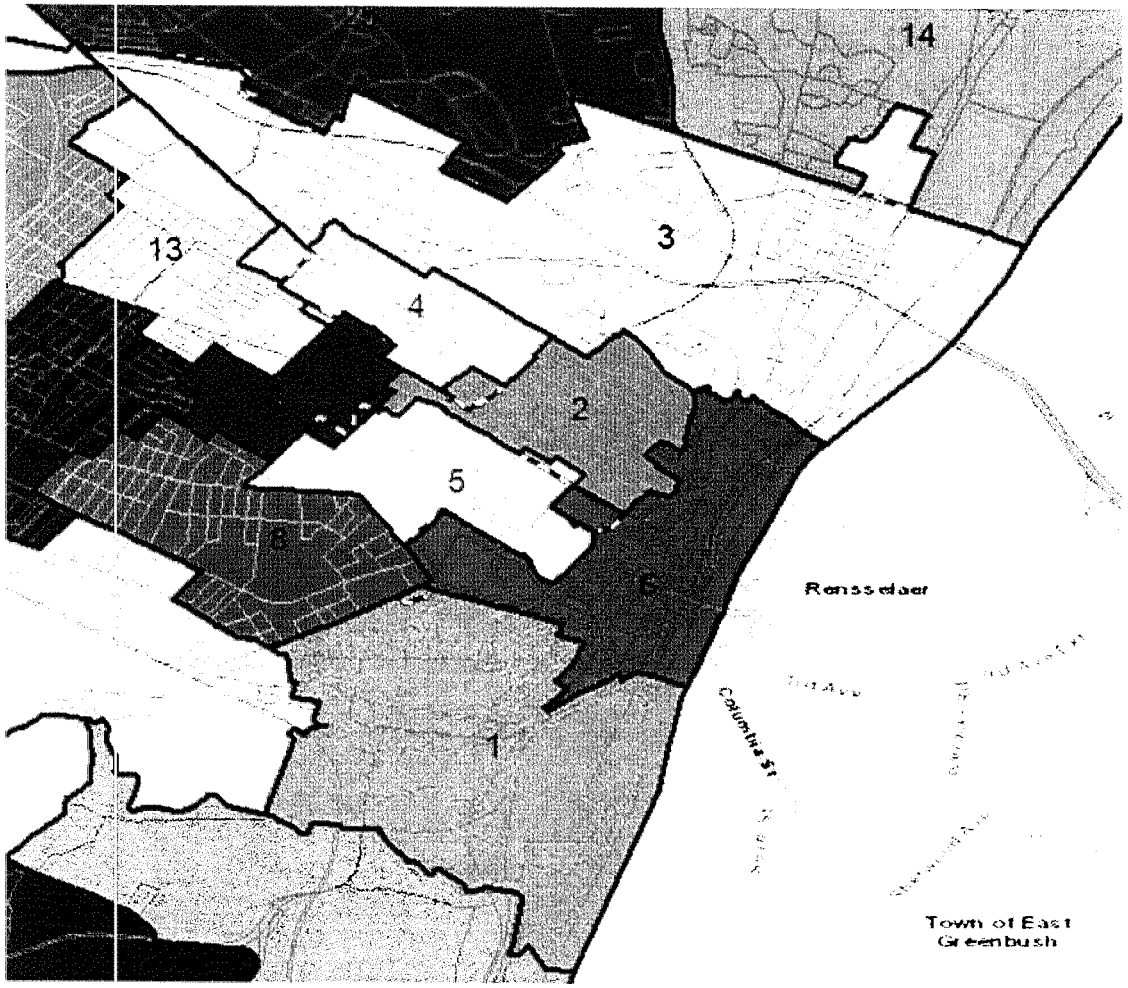


Difference in NH-Black Population in 2011 and 2022



Map shows NH Black Population is moving out to neighboring Districts (from red to green)

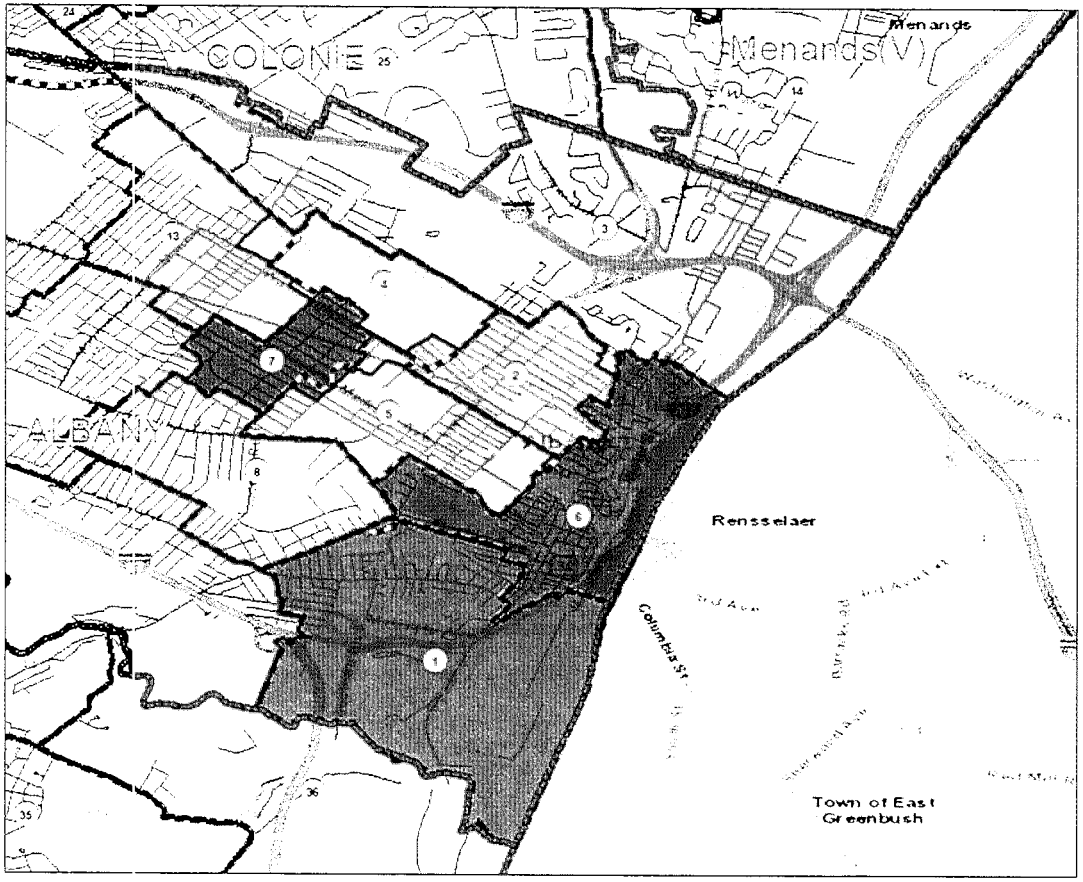
MMD Plan A



	Total	VAP	Ideal	Deviation	Deviation%
1	8190	6129	8105	**85**	**1.05%**
		74.84%			
2	8104	6167	8105	**-1**	**-0.01%**
		76.10%			
3	8069	6183	8105	**-36**	**-0.44%**
		76.63%			
4	8132	5835	8105	**27**	**0.33%**
		71.75%			
6	8060	6384	8105	**-45**	**-0.56%**
		79.21%			
7	8103	7027	8105	**-2**	**-0.02%**
		86.72%			

	Hisp	HISP_VAP	NHW	NHW_VAP	NHB	NHB_VAP	MIN	MINVAP
1	1432	847	1812	1559	3767	2794	6378	4570
	17.48%	**13.82%**	22.12%	25.44%	**46.00%**	**45.59%**	**77.88%**	**74.56%**
2	1029	694	1809	1684	4331	3126	6295	4483
	12.70%	**11.25%**	22.32%	27.31%	**53.44%**	**50.69%**	**77.68%**	**72.69%**
3	996	673	1915	1721	4296	3168	6154	4462
	12.34%	**10.88%**	23.73%	27.83%	**53.24%**	**51.24%**	**76.27%**	**72.17%**
4	1151	745	1409	1175	4160	2951	6723	4660
	14.15%	**12.77%**	17.33%	20.14%	**51.16%**	**50.57%**	**82.67%**	**79.86%**
6	1194	847	2163	1978	3831	2914	5897	4406
	14.81%	**13.27%**	26.84%	30.98%	**47.53%**	**45.65%**	**73.16%**	**69.02%**
7	1051	853	3677	3457	2093	1673	4426	3570
	12.97%	**12.14%**	45.38%	49.20%	**25.83%**	**23.81%**	**54.62%**	**50.80%**

MMD Draft Plan A (Revised)



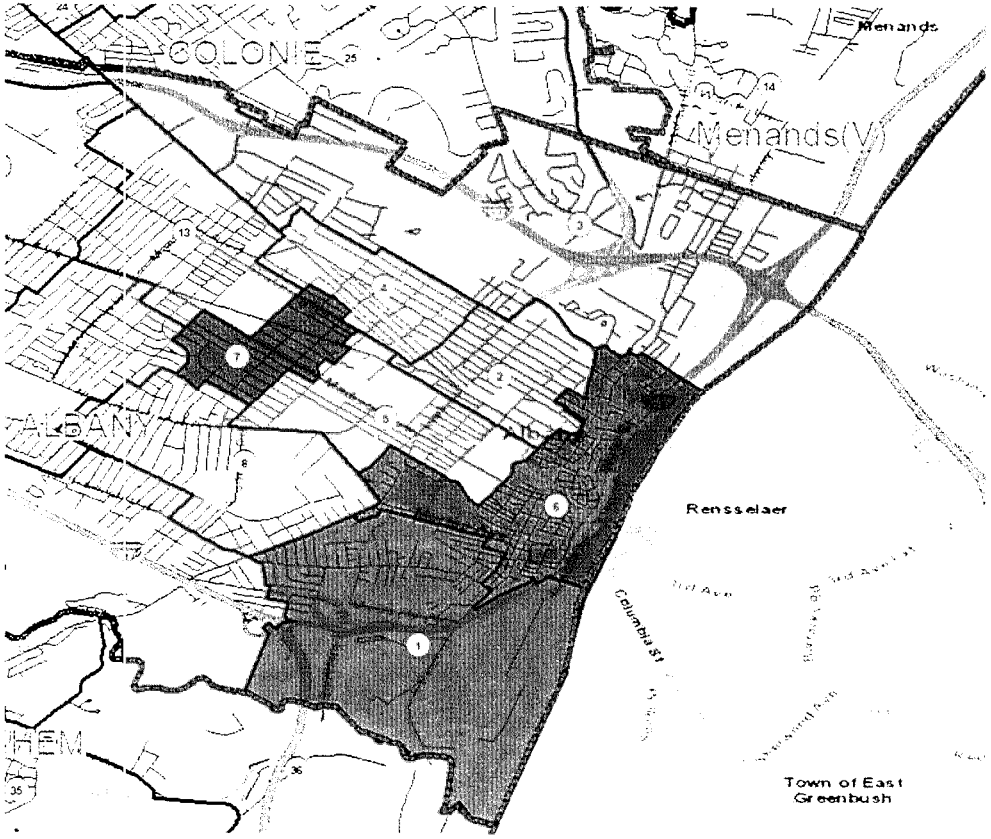
Plan A- Revised 4-22

DISTRICTS	TOTAL	VAP	IDEAL	DEVIATION	DEVIATION%
1	8190	6129	8105	85	1.05%
		74.84%			
2	8173	6333	8105	68	0.84%
		76.10%			
3	8057	6064	8105	-48	-0.59%
		76.63%			
4	8132	5835	8105	27	0.33%
		71.75%			
6	8049	6376	8105	-56	-0.69%
		79.21%			
7	8103	7027	8105	-2	-0.02%
		86.72%			

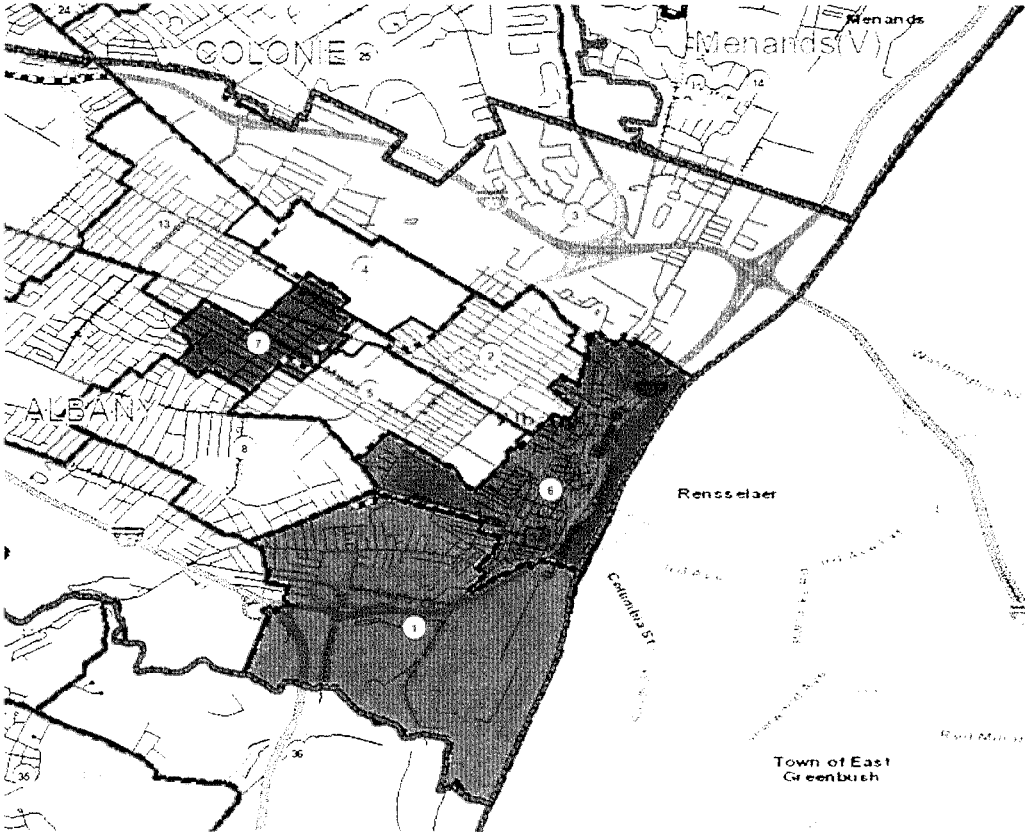
DISTRICTS	HISPANIC	HISP VAP	NH-WHITE	NH-WHITE VAP	NH-BLACK	NH-BLACK-VAP	MINORITY	MINORITY-VAP
1	1432	968	1812	1559	3767	2794	6378	4570
	17.48%	15.79%	22.12%	25.44%	46.00%	45.59%	77.88%	74.56%
2	1031	713	1991	1859	4210	3077	6182	4474
	12.61%	11.26%	24.36%	29.35%	51.51%	48.59%	75.64%	70.65%
3	1017	672	1810	1616	4398	3197	6247	4448
	12.62%	11.08%	22.46%	26.65%	54.59%	52.72%	77.54%	73.35%
4	1151	745	1409	1175	4160	2951	6723	4660
	14.15%	12.77%	17.33%	20.14%	51.16%	50.57%	82.67%	79.86%
6	1189	842	2163	1978	3826	2912	5886	4398
	14.77%	13.21%	26.87%	31.02%	47.53%	45.67%	73.13%	68.98%
7	1051	853	3677	3457	2093	1673	4426	3570
	12.97%	12.14%	45.38%	49.20%	25.83%	23.81%	54.62%	50.80%

Comparison of AS-IS with MMD Draft Plan A (Revised)

AS-IS Map

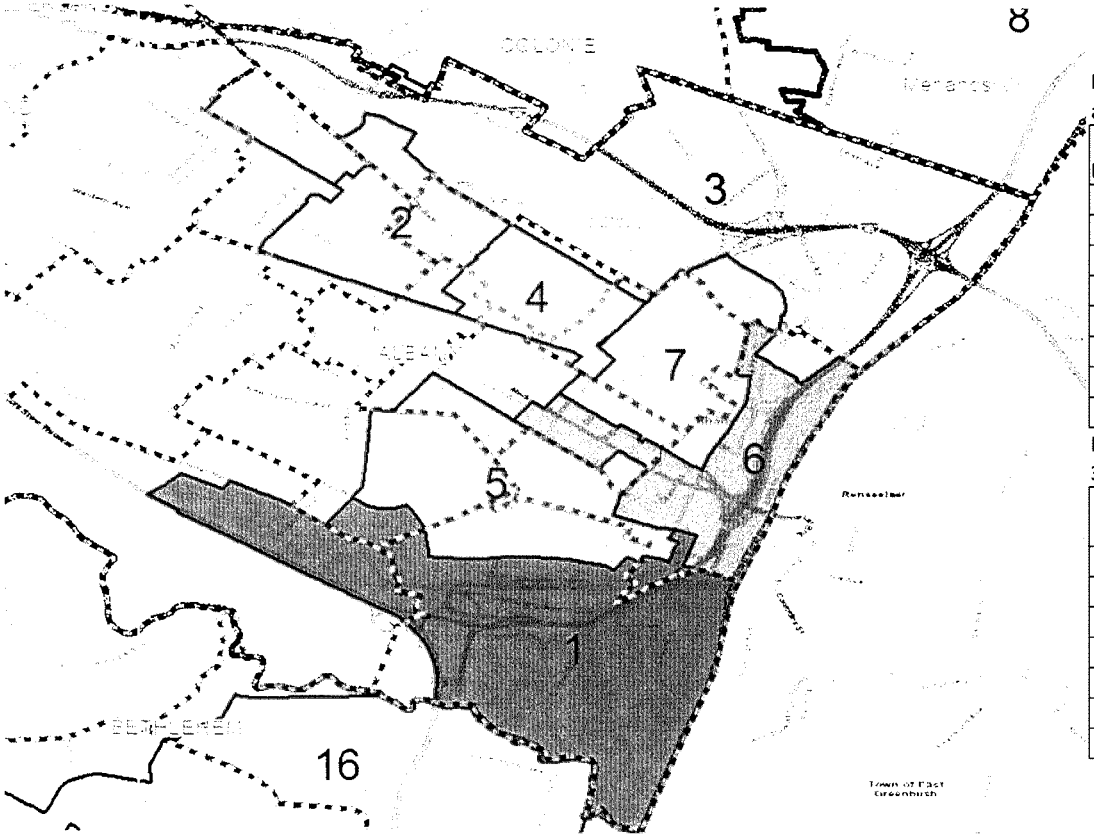


Draft Plan A (Revised)



Neighborhood Associations

MMD Draft Plan B



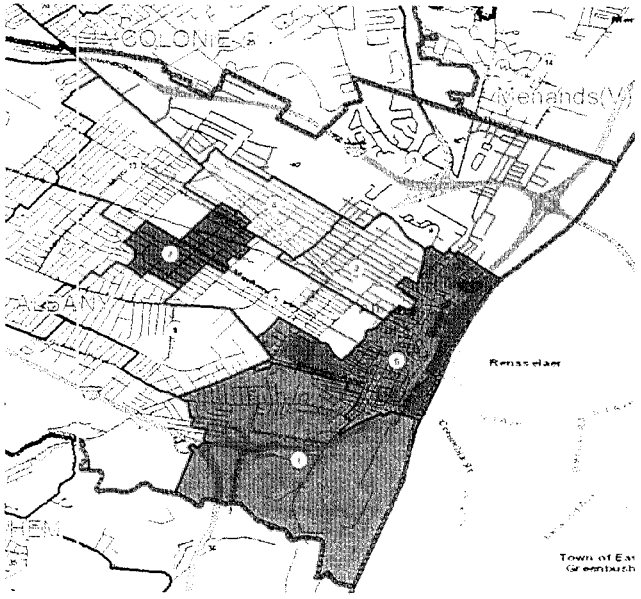
Plan B - 5/15 - Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7)

Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	8,109	3,200	**39.46%**	2,562	**31.59%**	1323	**16.32%**	4,523	**55.78%**
2	8,069	3,853	**47.75%**	1,598	**19.80%**	1147	**14.21%**	5,000	**61.97%**
3	8,061	3,784	**46.94%**	2,336	**28.98%**	937	**11.62%**	4,721	**58.57%**
4	8,080	3,033	**37.54%**	2,792	**34.55%**	1066	**13.19%**	4,099	**50.73%**
5	8,146	3,196	**39.23%**	2,388	**29.32%**	1230	**15.10%**	4,426	**54.33%**
6	8,087	3,164	**39.12%**	2,969	**36.71%**	1094	**13.53%**	4,258	**52.65%**
7	8,184	3,944	**48.19%**	2,489	**30.41%**	914	**11.17%**	4,858	**59.36%**

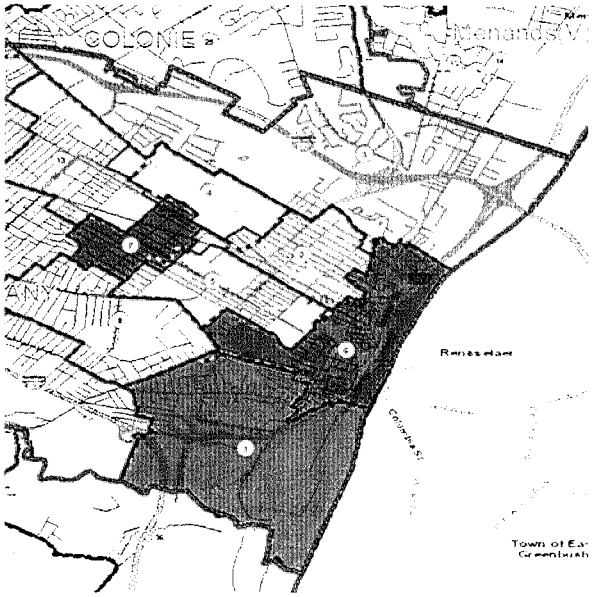
Plan B - 5/15 - Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3,, 5, and 7)

	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB_VAP	HISP+NHB_VAP%
1	6,188	2,330	**37.65%**	2,270	36.68%	883	14.27%	3,213	**51.92%**
2	5,964	2,763	**46.33%**	1,422	23.84%	775	12.99%	3,538	**59.32%**
3	6,266	2,801	**44.70%**	2,085	33.27%	629	10.04%	3,430	**54.74%**
4	6,457	2,247	**34.80%**	2,481	38.42%	776	12.02%	3,023	**46.82%**
5	6,273	2,343	**37.35%**	2,113	33.68%	870	13.87%	3,213	**51.22%**
6	6,737	2,517	**37.36%**	2,756	40.91%	822	12.20%	3,339	**49.56%**
7	6,401	2,837	**44.32%**	2,341	36.57%	611	9.55%	3,448	**53.87%**

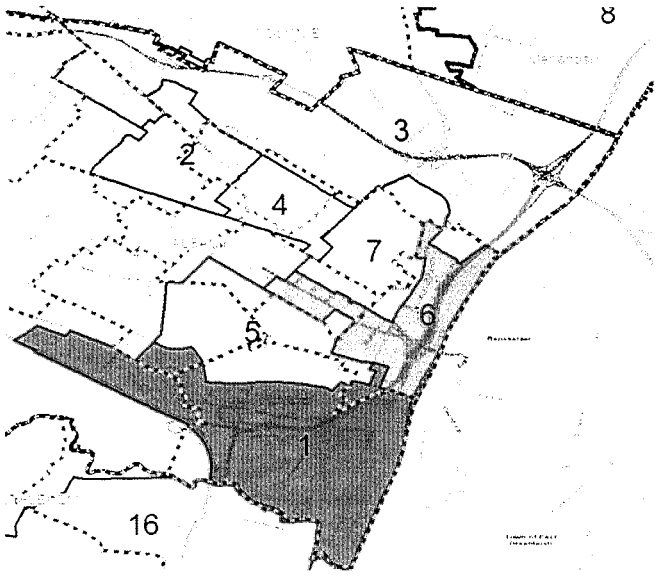
AS-IS Districts



MMD Revised Plan A



MMD Draft Plan B



Majority Minority Districts Commission
Plans A Revised, B Revised, C and D with DOJ NH Black (includes White)
6/15/22

ARCBridge Consulting & Training, Inc.

ARCBridge Consulting & Training Inc.
www.arcbridge.com

MMD Plan A - Revised - 5 MMDs

Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%	DOJ NHB	DOJ NHB%	Diff	Diff%
1	8,190	3,767	**46.00%**	1,812	22.12%	1,432	17.48%	5,199	**63.48%**	3992	**48.74%**	225	2.75%
2	8,173	4,210	**51.51%**	1,991	24.36%	1,031	12.61%	5,241	**64.13%**	4374	**53.52%**	164	2.01%
3	8,057	4,398	**54.59%**	1,810	22.46%	1,017	12.62%	5,415	**67.21%**	4582	**56.87%**	184	2.28%
4	8,132	4,160	**51.16%**	1,409	17.33%	1,151	14.15%	5,311	**65.31%**	4340	**53.37%**	180	2.21%
5	7,679	1,392	**18.13%**	4,214	**54.88%**	728	9.48%	2,120	**27.61%**	1512	**19.69%**	120	1.56%
6	7,938	3,809	**47.98%**	2,101	26.47%	1,184	14.92%	4,993	**62.90%**	4012	**50.54%**	203	2.56%
7	8,103	2,093	**25.83%**	3,677	**45.38%**	1,051	12.97%	3,144	**38.80%**	2245	**27.71%**	152	1.88%
Voting Age Population													
1	6,129	2,794	**45.59%**	1,559	25.44%	968	15.79%	3,762	**61.38%**	2903	**47.36%**	109	1.78%
2	6,333	3,077	**48.59%**	1,859	29.35%	713	11.26%	3,790	**59.85%**	3161	**49.91%**	84	1.33%
3	6,064	3,197	**52.72%**	1,616	26.65%	672	11.08%	3,869	**63.80%**	3281	**54.11%**	84	1.39%
4	5,835	2,951	**50.57%**	1,175	20.14%	745	12.77%	3,696	**63.34%**	3022	**51.79%**	71	1.22%
5	6,734	1,125	**16.71%**	3,941	**58.52%**	596	8.85%	1,721	**25.56%**	1192	**17.70%**	67	0.99%
6	6,268	2,895	**46.19%**	1,916	30.57%	839	13.39%	3,734	**59.57%**	3026	**48.28%**	131	2.09%
7	7,027	1,673	**23.81%**	3,457	49.20%	853	12.14%	2,526	**35.95%**	1779	**25.32%**	106	1.51%

MMD Plan B - Revised - 7 MMDs

Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%	DOJ NHB	DOJ NHB%	Diff	Diff%
1	7,961	3,220	**40.45%**	2,277	28.60%	1,452	18.24%	4,672	**58.69%**	3,430	**43.09%**	210	2.64%
2	8,066	3,689	**45.74%**	2,647	32.82%	913	11.32%	4,602	**57.05%**	3,826	**47.43%**	137	1.69%
3	7,987	3,588	**44.92%**	2,463	30.84%	908	11.37%	4,496	**56.29%**	3,753	**46.99%**	165	2.07%
4	8,104	3,908	**48.22%**	1,548	19.10%	1,178	14.54%	5,086	**62.76%**	4,105	**50.65%**	197	2.43%
5	8,070	3,230	**40.02%**	2,279	28.24%	1,071	13.27%	4,301	**53.30%**	3,410	**42.26%**	180	2.24%
6	8,044	3,429	**42.63%**	2,740	34.06%	1,096	13.63%	4,525	**56.25%**	3,600	**44.75%**	171	2.12%
7	8,028	3,220	**40.11%**	2,524	31.44%	1,099	13.69%	4,319	**53.80%**	3,366	**41.93%**	146	1.82%
Voting Age Population													
1	6,075	2,389	**39.33%**	2,024	33.32%	964	15.87%	3,353	**55.19%**	2,495	**41.07%**	106	1.74%
2	6,368	2,652	**41.65%**	2,490	39.10%	620	9.74%	3,272	**51.38%**	2,740	**43.03%**	88	1.38%
3	6,327	2,691	**42.53%**	2,211	34.95%	626	9.89%	3,317	**52.43%**	2,769	**43.76%**	78	1.23%
4	5,939	2,797	**47.10%**	1,342	22.60%	792	13.34%	3,589	**60.43%**	2,887	**48.61%**	90	1.51%
5	6,324	2,396	**37.89%**	2,052	32.45%	808	12.78%	3,204	**50.66%**	2,462	**38.93%**	66	1.04%
6	6,553	2,652	**40.47%**	2,525	38.53%	795	12.13%	3,447	**52.60%**	2,771	**42.29%**	119	1.82%
7	6,304	2,364	**37.50%**	2,226	35.31%	789	12.52%	3,153	**50.02%**	2,435	**38.63%**	71	1.13%

MMD-Plan C - 7 MMDs (Includes part of Menands)

Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%	DOJ NHB	DOJ NHB%	Diff	Diff%
1	8,110	3,261	**40.21%**	2,312	28.51%	1,492	18.40%	4,753	**58.61%**	3474	**42.84%**	213	2.63%
2	8,038	3,996	**49.71%**	2,269	28.23%	957	11.91%	4,953	**61.62%**	4128	**51.36%**	132	1.65%
3	8,193	3,543	**43.24%**	2,605	31.80%	718	8.76%	4,261	**52.01%**	3712	**45.31%**	169	2.07%
4	8,094	3,642	**45.00%**	1,766	21.82%	1,170	14.46%	4,812	**59.45%**	3836	**47.39%**	194	2.39%
5	8,067	3,344	**41.45%**	2,365	29.32%	1,084	13.44%	4,428	**54.89%**	3537	**43.85%**	193	2.40%
6	8,180	3,458	**42.27%**	2,631	32.16%	1,047	12.80%	4,505	**55.07%**	3627	**44.34%**	169	2.07%
7	8,174	3,317	**40.58%**	2,656	32.49%	1,107	13.54%	4,424	**54.12%**	3459	**42.32%**	142	1.74%
Voting Age Population													
1	6,180	2,416	**39.09%**	2,048	33.14%	995	16.10%	3,411	**55.19%**	2522	**40.81%**	106	1.72%
2	6,281	2,881	**45.87%**	2,120	33.75%	673	10.71%	3,554	**56.58%**	2958	**47.09%**	77	1.22%
3	6,417	2,660	**41.45%**	2,293	35.73%	504	7.85%	3,164	**49.31%**	2745	**42.78%**	85	1.33%
4	6,042	2,609	**43.18%**	1,573	26.03%	797	13.19%	3,406	**56.37%**	2703	**44.74%**	94	1.56%
5	6,290	2,461	**39.13%**	2,115	33.62%	807	12.83%	3,268	**51.96%**	2544	**40.45%**	83	1.32%
6	6,640	2,685	**40.44%**	2,443	36.79%	734	11.05%	3,419	**51.49%**	2802	**42.20%**	117	1.76%
7	6,429	2,453	**38.16%**	2,361	36.72%	772	12.01%	3,225	**50.16%**	2513	**39.09%**	60	0.93%

MMD - Plan D - 6 MMDs

Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%	DOJ NHB	DOJ NHB%	Diff	Diff%
1	8,077	3,734	**46.23%**	1,757	21.75%	1,441	17.84%	5,175	**64.07%**	3954	**48.95%**	220	2.72%
2	8,149	3,895	**47.80%**	2,572	31.56%	887	10.88%	4,782	**58.68%**	4047	**49.66%**	152	1.86%
3	8,047	3,499	**43.48%**	2,618	32.53%	896	11.13%	4,395	**54.62%**	3664	**45.53%**	165	2.05%
4	8,013	3,988	**49.77%**	1,561	19.48%	1,125	14.04%	5,113	**63.81%**	4144	**51.72%**	156	1.95%
6	8,237	3,548	**43.07%**	2,623	31.84%	1,167	14.17%	4,715	**57.24%**	3734	**45.33%**	186	2.26%
7	8,023	3,590	**44.75%**	2,005	24.99%	1,191	14.84%	4,781	**59.59%**	3780	**47.11%**	190	2.36%
Voting Age Population													
1	6,027	2,757	**45.74%**	1,511	25.07%	978	16.23%	3,735	**61.97%**	2861	**47.47%**	104	1.73%
2	6,453	2,856	**44.26%**	2,396	37.13%	605	9.38%	3,461	**53.63%**	2962	**45.90%**	106	1.64%
3	6,419	2,632	**41.00%**	2,358	36.73%	616	9.60%	3,248	**50.60%**	2716	**42.31%**	84	1.31%
4	5,907	2,804	**47.47%**	1,382	23.40%	772	13.07%	3,576	**60.54%**	2879	**48.74%**	75	1.27%
6	6,622	2,719	**41.06%**	2,413	36.44%	838	12.65%	3,557	**53.71%**	2826	**42.68%**	107	1.62%
7	6,038	2,618	**43.36%**	1,734	28.72%	800	13.25%	3,418	**56.61%**	2694	**44.62%**	76	1.26%

Majority Minority Districts Commission
Functional Analysis of Bellwether Election Data – 2018 Democratic Primaries – Attorney General and Lieutenant Governor
6/18/22

ARCBridge Consulting & Training Inc.

AS-IS Analysis – Current Districts

AS-IS (Current) FUNCTIONAL ANALYSIS 5 DISTRICT						
	2018 Democratic Primary Attorney General				2018 Democratic Primary Lt. Governor	
DISTRICT	MALONY (W)	JAMES (B)	EVE (B)	TEACHOUT (W)	HOCHUL (W)	WILLIAMS (B)
1	192	206	71	149	341	293
2	123	207	25	205	245	307
3	195	185	57	109	285	271
4	93	134	28	76	179	149
6	141	158	43	189	254	278

VOTE TOTALS	
2018 Attorney Gen Votes By Race	
TOTAL (W)	TOTAL (B)
341	277
328	232
304	242
169	162
0	0
330	201

Plan A and B Analysis

PLAN A FUNCTIONAL ANALYSIS 5 DISTRICT						
	2018 Democratic Primary Attorney General				2018 Democratic Primary Lt. Governor	
DISTRICT	MALONY (W)	JAMES (B)	EVE (B)	TEACHOUT (W)	HOCHUL (W)	WILLIAMS (B)
1	196	210	69	153	342	298
2	147	219	28	253	282	357
3	197	186	48	110	289	271
4	105	141	22	93	196	161
5						
6	135	150	38	191	254	277
7						

VOTE TOTALS	
2018 Attorney Gen Votes By Race	
TOTAL (W)	TOTAL (B)
349	279
400	247
307	234
198	163
326	188
329	116

PLAN B FUNCTIONAL ANALYSIS 7 DISTRICT						
	2018 Democratic Primary Attorney General				2018 Democratic Primary Lt. Governor	
DISTRICT	MALONY (W)	JAMES (B)	EVE (B)	TEACHOUT (W)	HOCHUL (W)	WILLIAMS (B)
1	247	226	70	233	443	331
2	149	186	33	338	328	371
3	236	193	55	169	370	306
4	106	163	24	101	193	200
5	153	159	58	197	268	304
6	163	166	42	289	310	366
7	139	113	33	191	235	234

VOTE TOTALS	
2018 Attorney Gen Votes By Race	
TOTAL (W)	TOTAL (B)
480	296
487	219
405	248
207	187
350	217
452	208
330	146

Plan C and D Analysis

PLAN C FUNCTIONAL ANALYSIS 7 DISTRICT						
	2018 Democratic Primary Attorney General				2018 Democratic Primary Lt. Governor	
DISTRICT	MALONY (W)	JAMES (B)	EVE (B)	TEACHOUT (W)	HOCHUL (W)	WILLIAMS (B)
1	250	229	71	236	449	334
2	167	217	36	317	326	399
3	134	141	47	66	208	202
4	72	109	16	66	149	122
5	153	162	60	186	267	300
6	140	164	34	260	277	338
7	202	139	33	207	315	268

VOTE TOTALS	
2018 Attorney Gen Votes By Race	
TOTAL (W)	TOTAL (B)
486	300
484	253
200	188
138	125
339	222
400	198
409	172

PLAN D FUNCTIONAL ANALYSIS 6 DISTRICT						
	2018 Democratic Primary Attorney General				2018 Democratic Primary Lt. Governor	
DISTRICT	MALONY (W)	JAMES (B)	EVE (B)	TEACHOUT (W)	HOCHUL (W)	WILLIAMS (B)
1	188	206	70	152	337	292
2	156	177	41	334	325	372
3	252	197	66	187	388	320
4	111	180	24	128	213	228
5						
6	165	171	50	265	299	352
7	129	117	33	135	215	191

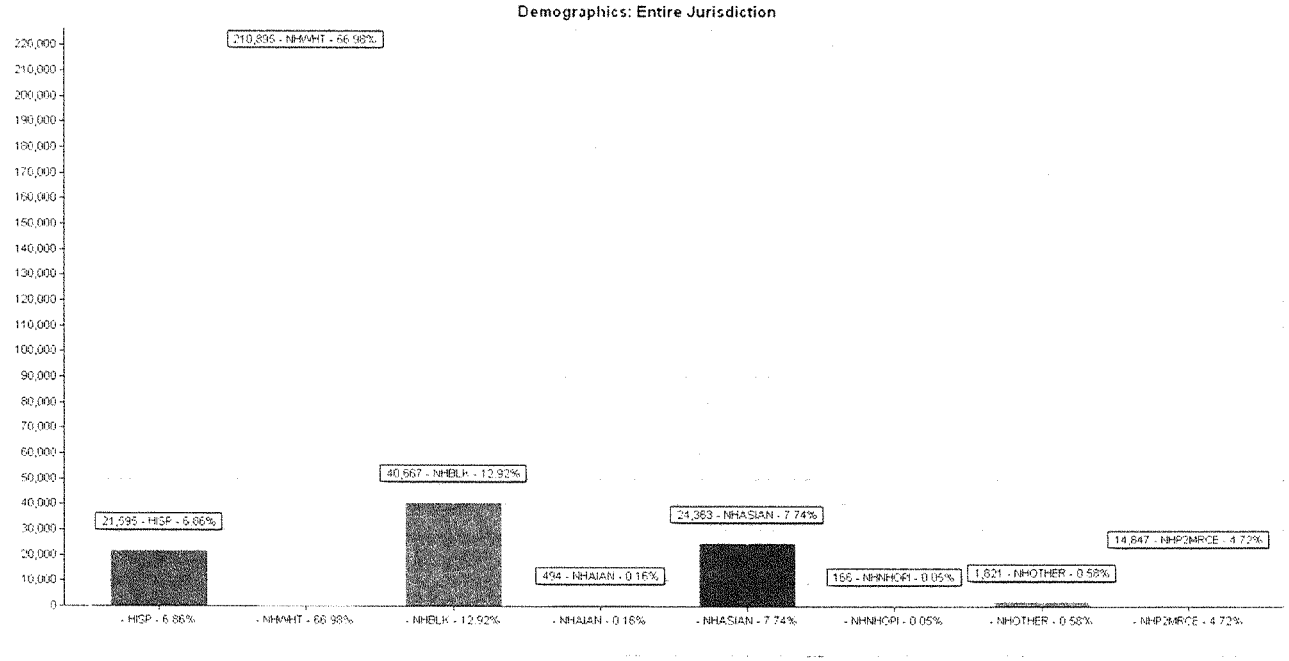
VOTE TOTALS	
2018 Attorney Gen Votes By Race	
TOTAL (W)	TOTAL (B)
339	276
490	218
439	263
239	204
0	0
429	221
264	150

Majority Minority Districts Commission Public Hearing
7-7-22
Analysis of Plan Submissions and MMD Plans

ARCBridge Consulting & Training Inc.

Total Population as released by Bureau of Census and the State adjusted Population

Demographics Graph

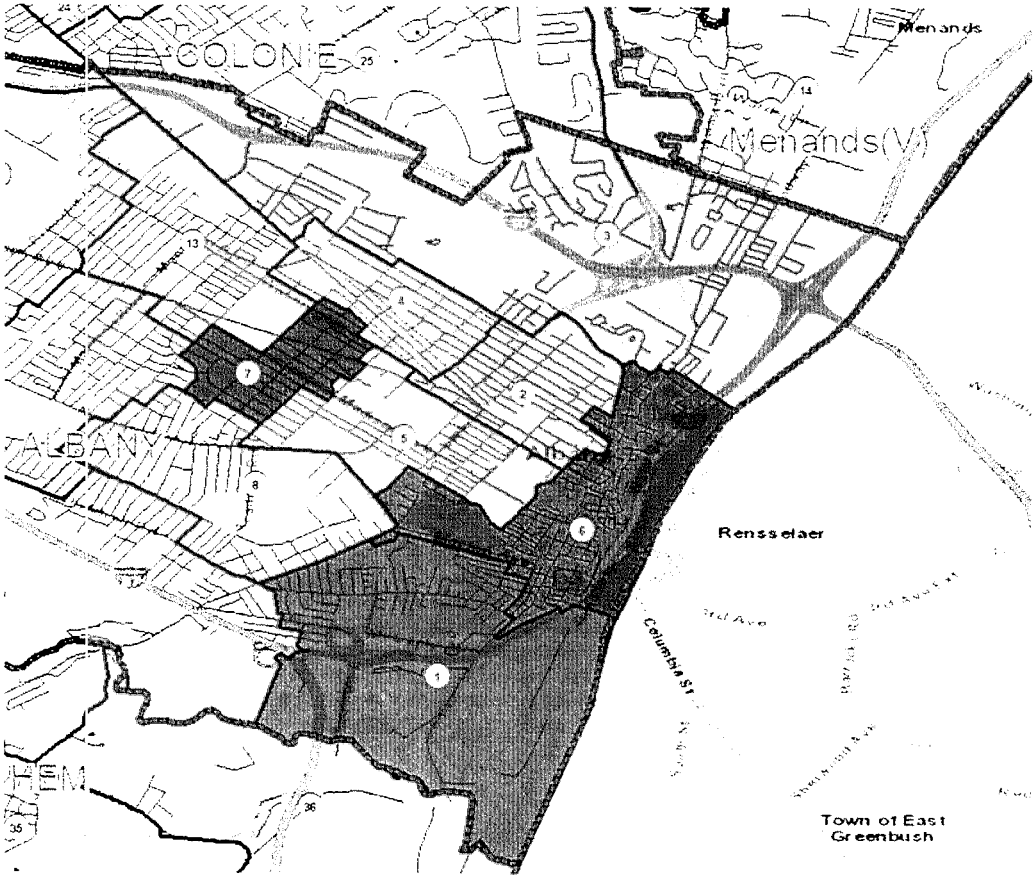


State Adjusted Census PL94-171

Race & Ethnicity	#	%
HISP:	21,730	6.87%
NHWHT:	211,151	66.80%
NHBLK:	41,474	13.12%
NHAIAN:	504	0.16%
NHASIAN:	24,365	7.71%
NHNHOPI:	166	0.05%
NHOTHER:	1,837	0.58%
NHP2MRCE:	14,847	4.70%
Unknown Ethnicity	5	0.00%
	316,079	

Ideal Population – 8,105

Current – AS-IS Districts – 3 Majority and 2 Plurality NH Black Districts

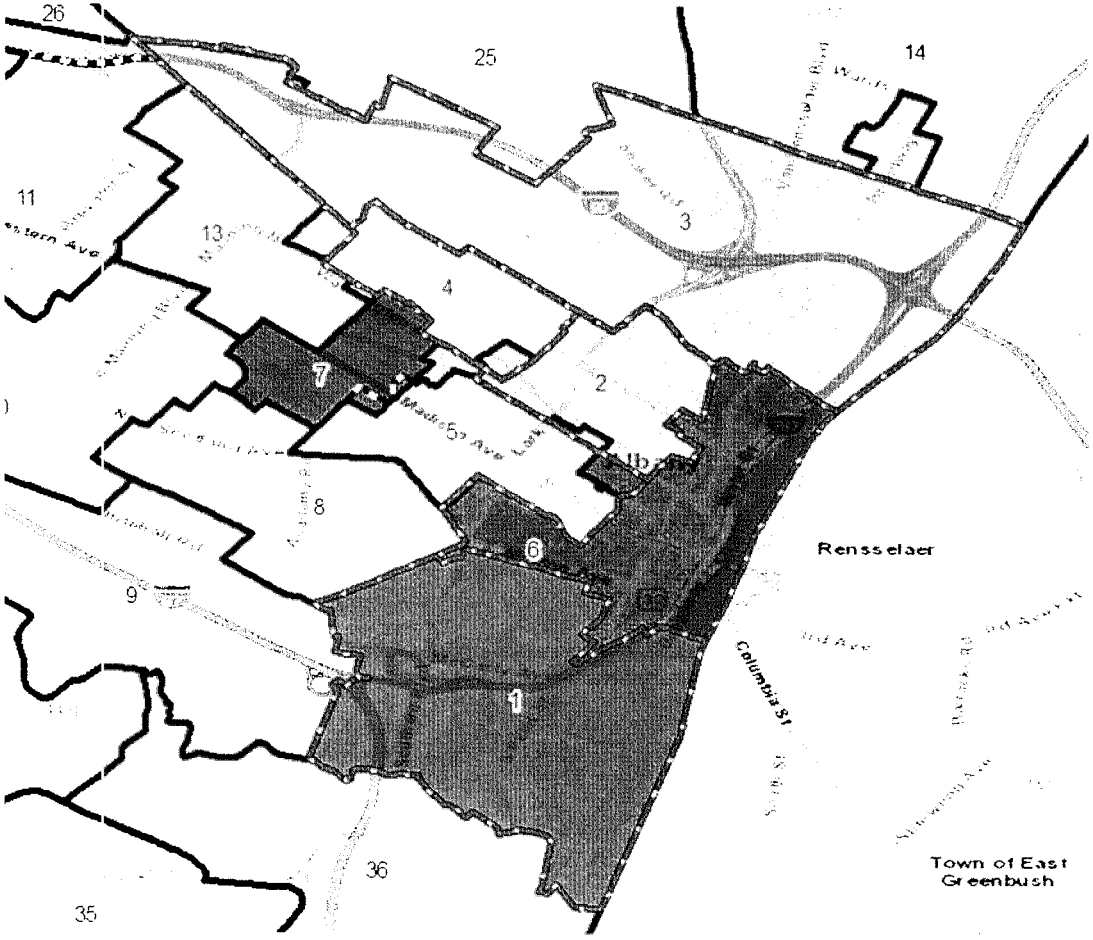


	Total	VAP	Ideal	Deviation	Deviation %
1	8008	6003	8105	-97	-1.20%
		74.96%			
2	7573	5756	8105	-532	-6.56%
		76.01%			
3	7815	5939	8105	-290	-3.58%
		75.99%			
4	7610	5460	8105	-495	-6.11%
		71.75%			
6	8120	6394	8105	15	0.19%
		78.74%			
7	7485	6509	8105	-620	-7.65%

MMD 2021 Census - 5 MMDs

Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB %
1	8,008	3,708	**46.30%**	1,765	**22.04%**	1,402	17.51%	5,110	**63.81%**
2	7,573	4,114	**54.32%**	1,740	**22.98%**	919	12.14%	5,033	**66.46%**
3	7,815	4,226	**54.08%**	1,804	**23.08%**	982	12.57%	5,208	**66.64%**
4	7,610	3,994	**52.48%**	1,217	**15.99%**	1,076	14.14%	5,070	**66.62%**
5	8,767	1,632	**18.62%**	4,704	**53.66%**	867	9.89%	2,499	**28.50%**
6	8,120	3,868	**47.64%**	2,148	**26.45%**	1,214	14.95%	5,082	**62.59%**
7	7,485	1,974	**26.37%**	3,390	**45.29%**	979	13.08%	2,953	**39.45%**
Voting Age Population									
1	6,003	2,754	**45.88%**	1,529	**25.47%**	948	15.79%	3,702	**61.67%**
2	5,756	2,957	**51.37%**	1,622	**28.18%**	626	10.88%	3,583	**62.25%**
3	5,939	3,101	**52.21%**	1,610	**27.11%**	659	11.10%	3,760	**63.31%**
4	5,460	2,848	**52.16%**	1,029	**18.85%**	685	12.55%	3,533	**64.71%**
5	7,681	1,319	**17.17%**	4,405	**57.35%**	706	9.19%	2,025	**26.36%**
6	6,394	2,935	**45.90%**	1,946	**30.43%**	859	13.43%	3,794	**59.34%**
7	6,509	1,585	**24.35%**	3,185	**48.93%**	801	12.31%	2,386	**36.66%**

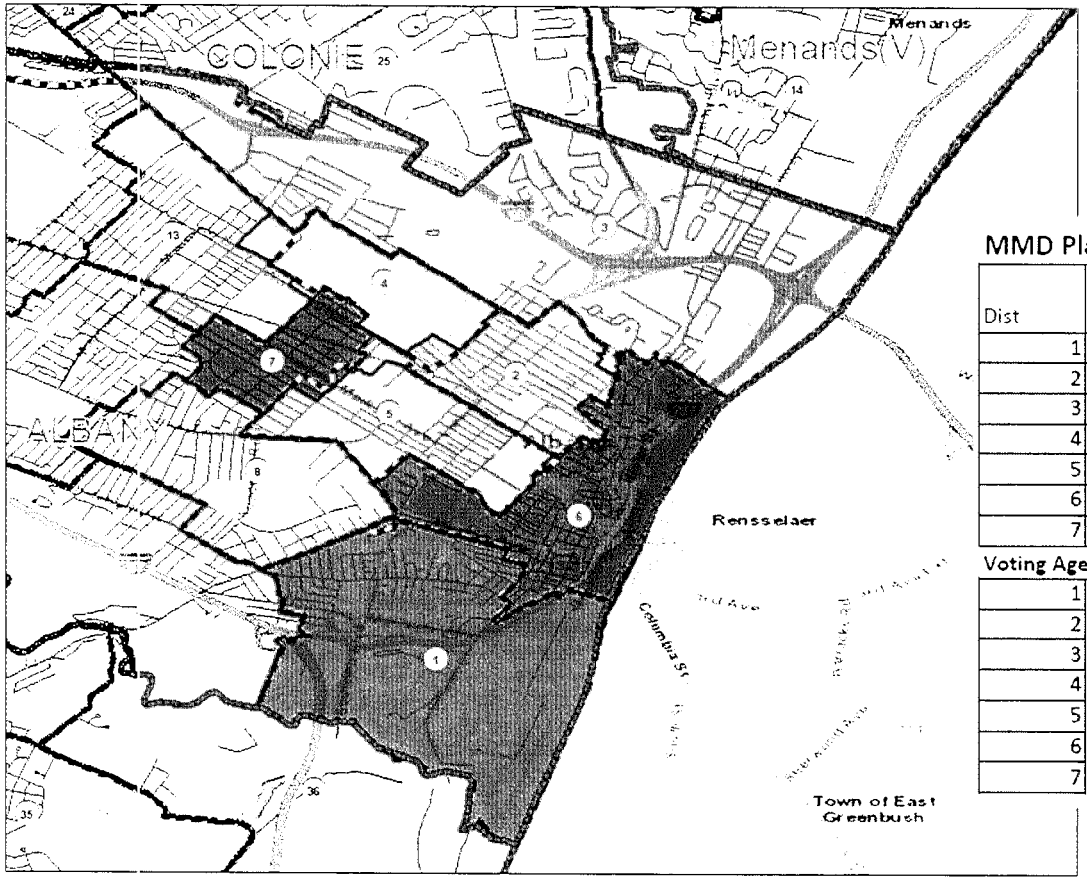
MMD Plan Original Plan A - 3 Majority and 2 Plurality NH Black Districts



	Total	VAP	Ideal	Deviation	Deviation%
1	8190	6129	8105	**85**	**1.05%**
		74.84%			
2	8104	6167	8105	**-1**	**-0.01%**
		76.10%			
3	8069	6183	8105	**-36**	**-0.44%**
		76.63%			
4	8132	5835	8105	**27**	**0.33%**
		71.75%			
6	8060	6384	8105	**-45**	**-0.56%**
		79.21%			
7	8103	7027	8105	**-2**	**-0.02%**
		86.72%			

	Hisp	HISP_VAP	NHW	NHW_VAP	NHB	NHB_VAP	MIN	MINVAP
1	1432	847	1812	1559	3767	2794	6378	4570
	17.48%	13.82%	22.12%	25.44%	**46.00%**	**45.59%**	**77.88%**	**74.56%**
2	1029	694	1809	1684	4331	3126	6295	4483
	12.70%	11.25%	22.32%	27.31%	**53.44%**	**50.69%**	**77.68%**	**72.69%**
3	996	673	1915	1721	4296	3168	6154	4462
	12.34%	10.88%	23.73%	27.83%	**53.24%**	**51.24%**	**76.27%**	**72.17%**
4	1151	745	1409	1175	4160	2951	6723	4660
	14.15%	12.77%	17.33%	20.14%	**51.16%**	**50.57%**	**82.67%**	**79.86%**
6	1194	847	2163	1978	3831	2914	5897	4406
	14.81%	13.27%	26.84%	30.98%	**47.53%**	**45.65%**	**73.16%**	**69.02%**
7	1051	853	3677	3457	2093	1673	4426	3570
	12.97%	12.14%	45.38%	49.20%	**25.83%**	**23.81%**	**54.62%**	**50.80%**

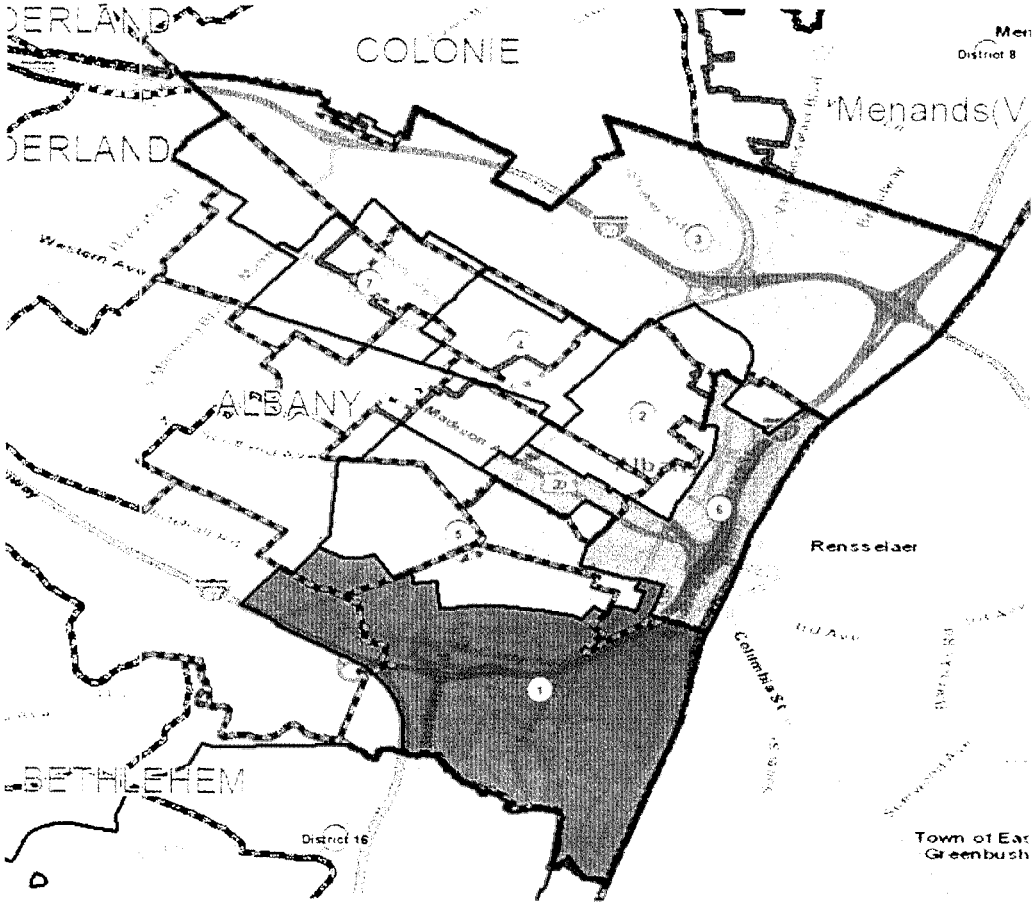
MMD Draft Plan A (Revised) - 3 Majority and 2 Plurality NH Black Districts



MMD Plan A - Revised - 5 MMDs

Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB %
1	8,190	3,767	**46.00%**	1,812	22.12%	1,432	17.48%	5,199	**63.48%**
2	8,173	4,210	**51.51%**	1,991	24.36%	1,031	12.61%	5,241	**64.13%**
3	8,057	4,398	**54.59%**	1,810	22.46%	1,017	12.62%	5,415	**67.21%**
4	8,132	4,160	**51.16%**	1,409	17.33%	1,151	14.15%	5,311	**65.31%**
5	7,679	1,392	**18.13%**	4,214	54.88%	728	9.48%	2,120	**27.61%**
6	7,938	3,809	**47.98%**	2,101	26.47%	1,184	14.92%	4,993	**62.90%**
7	8,103	2,093	**25.83%**	3,677	45.38%	1,051	12.97%	3,144	**38.80%**
Voting Age Population									
1	6,129	2,794	**45.59%**	1,559	25.44%	968	15.79%	3,762	**61.38%**
2	6,333	3,077	**48.59%**	1,859	29.35%	713	11.26%	3,790	**59.85%**
3	6,064	3,197	**52.72%**	1,616	26.65%	672	11.08%	3,869	**63.80%**
4	5,835	2,951	**50.57%**	1,175	20.14%	745	12.77%	3,696	**63.34%**
5	6,734	1,125	**16.71%**	3,941	58.52%	596	8.85%	1,721	**25.56%**
6	6,268	2,895	**46.19%**	1,916	30.57%	839	13.39%	3,734	**59.57%**
7	7,027	1,673	**23.81%**	3,457	49.20%	853	12.14%	2,526	**35.95%**

MMD Draft Plan B – 7 NH Black Plurality Districts



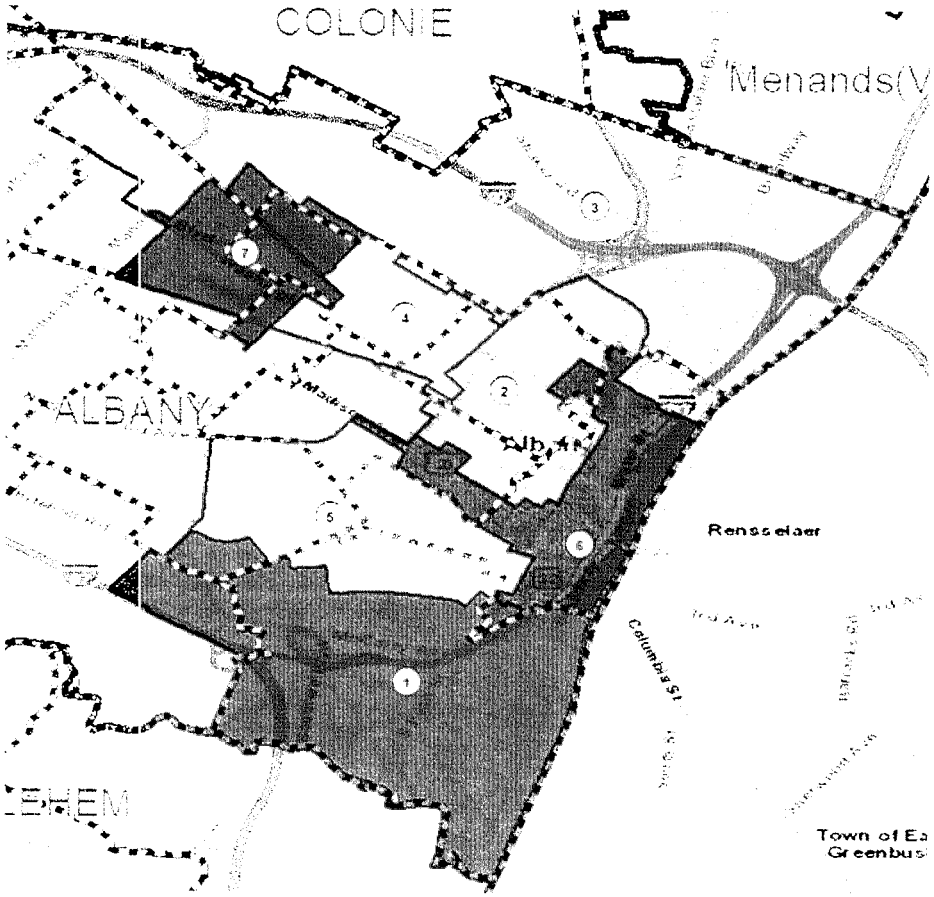
Plan B - 5/15 - Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7)

Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	8,109	3,200	**39.46%**	2,562	**31.59%**	1323	**16.32%**	4,523	**55.78%**
2	8,069	3,853	**47.75%**	1,598	**19.80%**	1147	**14.21%**	5,000	**61.97%**
3	8,061	3,784	**46.94%**	2,336	**28.98%**	937	**11.62%**	4,721	**58.57%**
4	8,080	3,033	**37.54%**	2,792	**34.55%**	1066	**13.19%**	4,099	**50.73%**
5	8,146	3,196	**39.23%**	2,388	**29.32%**	1230	**15.10%**	4,426	**54.33%**
6	8,087	3,164	**39.12%**	2,969	**36.71%**	1094	**13.53%**	4,258	**52.65%**
7	8,184	3,944	**48.19%**	2,489	**30.41%**	914	**11.17%**	4,858	**59.36%**

Plan B - 5/15 - Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3,, 5, and 7)

	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB VAP	HISP+NHB_VAP%
1	6,188	2,330	**37.65%**	2,270	36.68%	883	14.27%	3,213	**51.92%**
2	5,964	2,763	**46.33%**	1,422	23.84%	775	12.99%	3,538	**59.32%**
3	6,266	2,801	**44.70%**	2,085	33.27%	629	10.04%	3,430	**54.74%**
4	6,457	2,247	**34.80%**	2,481	38.42%	776	12.02%	3,023	**46.82%**
5	6,273	2,343	**37.35%**	2,113	33.68%	870	13.87%	3,213	**51.22%**
6	6,737	2,517	**37.36%**	2,756	40.91%	822	12.20%	3,339	**49.56%**
7	6,401	2,837	**44.32%**	2,341	36.57%	611	9.55%	3,448	**53.87%**

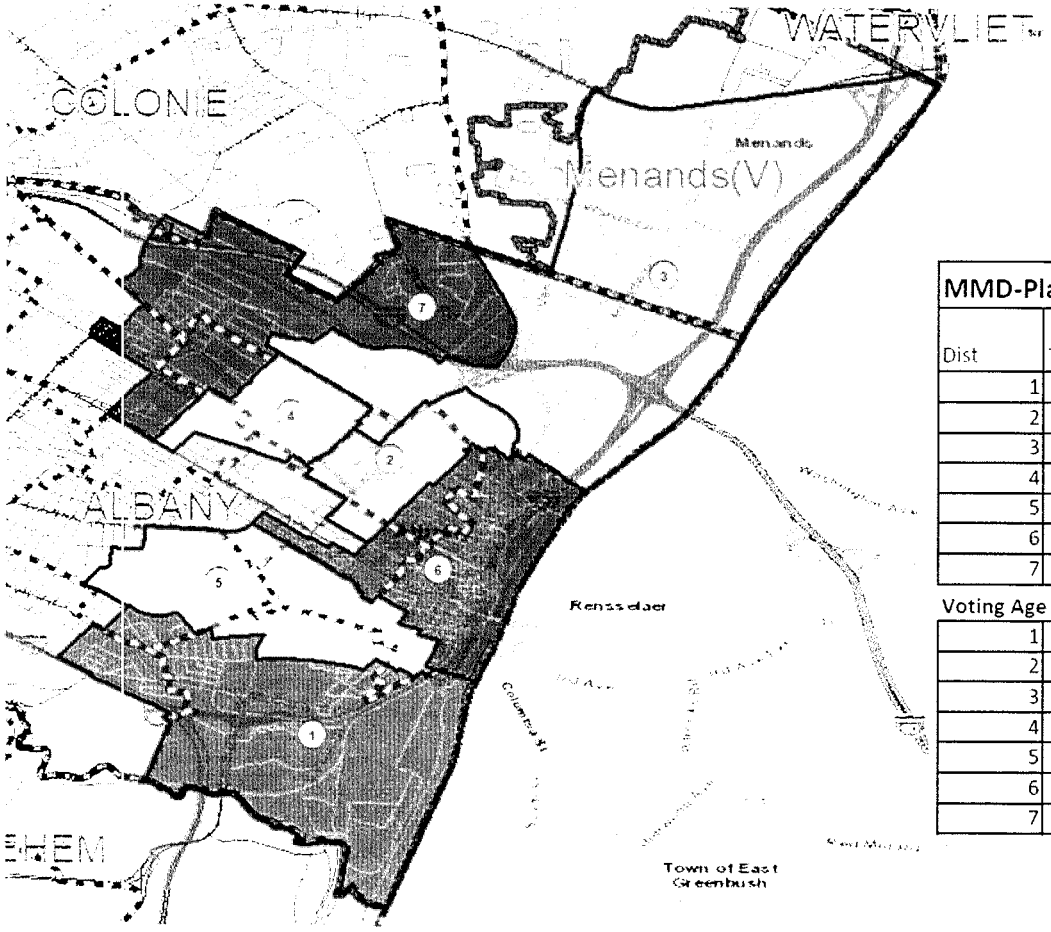
MMD Draft Plan B – Revised – 7 stronger NH-Black MMDs (TP & VAP)



7 NH Black Plurality Districts

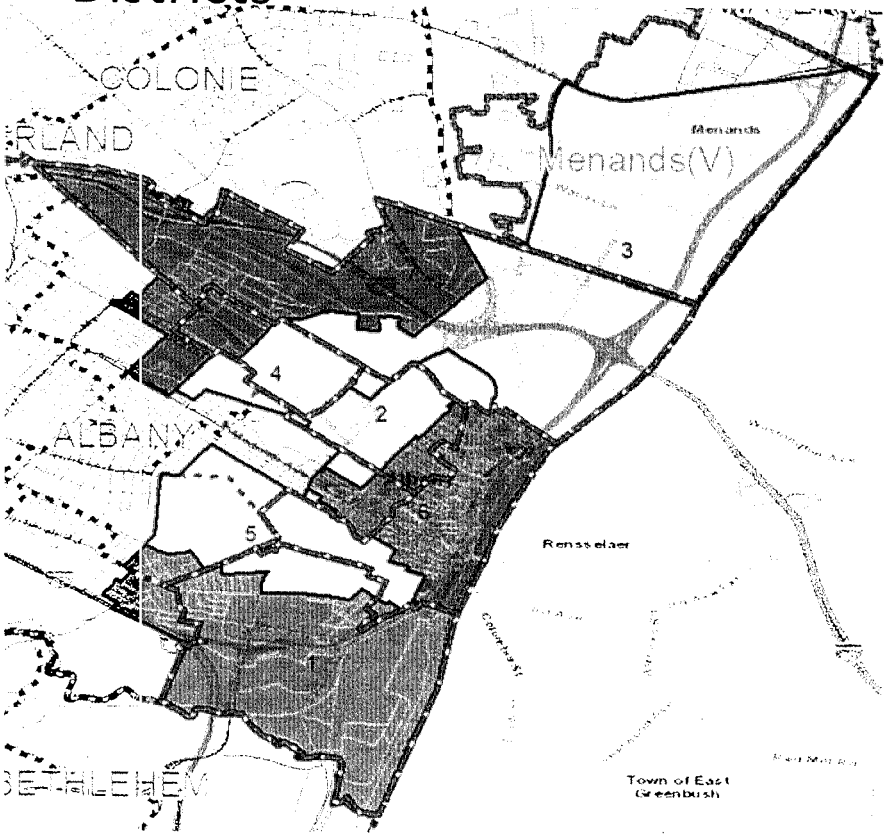
MMD Plan B - Revised - 7 MMDs									
Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB %
1	7,961	3,220	**40.45%**	2,277	28.60%	1,452	18.24%	4,672	**58.69%**
2	8,066	3,689	**45.74%**	2,647	32.82%	913	11.32%	4,602	**57.05%**
3	7,987	3,588	**44.92%**	2,463	30.84%	908	11.37%	4,496	**56.29%**
4	8,104	3,908	**48.22%**	1,548	19.10%	1,178	14.54%	5,086	**62.76%**
5	8,070	3,230	**40.02%**	2,279	28.24%	1,071	13.27%	4,301	**53.30%**
6	8,044	3,429	**42.63%**	2,740	34.06%	1,096	13.63%	4,525	**56.25%**
7	8,028	3,220	**40.11%**	2,524	31.44%	1,099	13.69%	4,319	**53.80%**
Voting Age Population									
1	6,075	2,389	**39.33%**	2,024	33.32%	964	15.87%	3,353	**55.19%**
2	6,368	2,652	**41.65%**	2,490	39.10%	620	9.74%	3,272	**51.38%**
3	6,327	2,691	**42.53%**	2,211	34.95%	626	9.89%	3,317	**52.43%**
4	5,939	2,797	**47.10%**	1,342	22.60%	792	13.34%	3,589	**60.43%**
5	6,324	2,396	**37.89%**	2,052	32.45%	808	12.78%	3,204	**50.66%**
6	6,553	2,652	**40.47%**	2,525	38.53%	795	12.13%	3,447	**52.60%**
7	6,304	2,364	**37.50%**	2,226	35.31%	789	12.52%	3,153	**50.02%**

MMD Draft Plan C – 7 NH Black Plurality Districts



MMD-Plan C - 7 MMDs (Includes part of Menands)									
Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB %
1	8110	3,261	**40.21%**	2,312	28.51%	1,492	18.40%	4,753	**58.61%**
2	8,038	3,996	**49.71%**	2,269	28.23%	957	11.91%	4,953	**61.62%**
3	8,193	3,543	**43.24%**	2,605	31.80%	718	8.76%	4,261	**52.01%**
4	8,094	3,642	**45.00%**	1,766	21.82%	1,170	14.46%	4,812	**59.45%**
5	8,067	3,344	**41.45%**	2,365	29.32%	1,084	13.44%	4,428	**54.89%**
6	8,180	3,458	**42.27%**	2,631	32.16%	1,047	12.80%	4,505	**55.07%**
7	8,174	3,317	**40.58%**	2,656	32.49%	1,107	13.54%	4,424	**54.12%**
Voting Age Population									
1	6,180	2,416	**39.09%**	2,048	33.14%	995	16.10%	3,411	**55.19%**
2	6,281	2,881	**45.87%**	2,120	33.75%	673	10.71%	3,554	**56.58%**
3	6,417	2,660	**41.45%**	2,293	35.73%	504	7.85%	3,164	**49.31%**
4	6,042	2,609	**43.18%**	1,573	26.03%	797	13.19%	3,406	**56.37%**
5	6,290	2,461	**39.13%**	2,115	33.62%	807	12.83%	3,268	**51.96%**
6	6,640	2,685	**40.44%**	2,443	36.79%	734	11.05%	3,419	**51.49%**
7	6,429	2,453	**38.16%**	2,361	36.72%	772	12.01%	3,225	**50.16%**

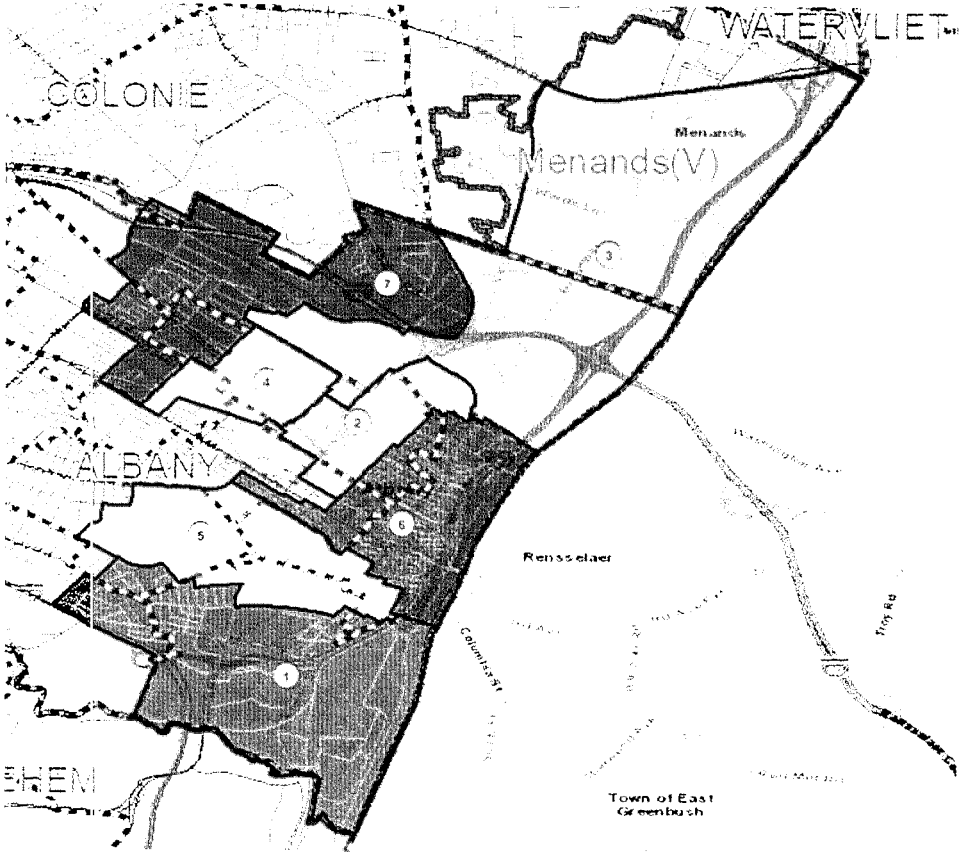
MMD Draft Plan C – Revised (7-8) – 7 NH Black Plurality Districts



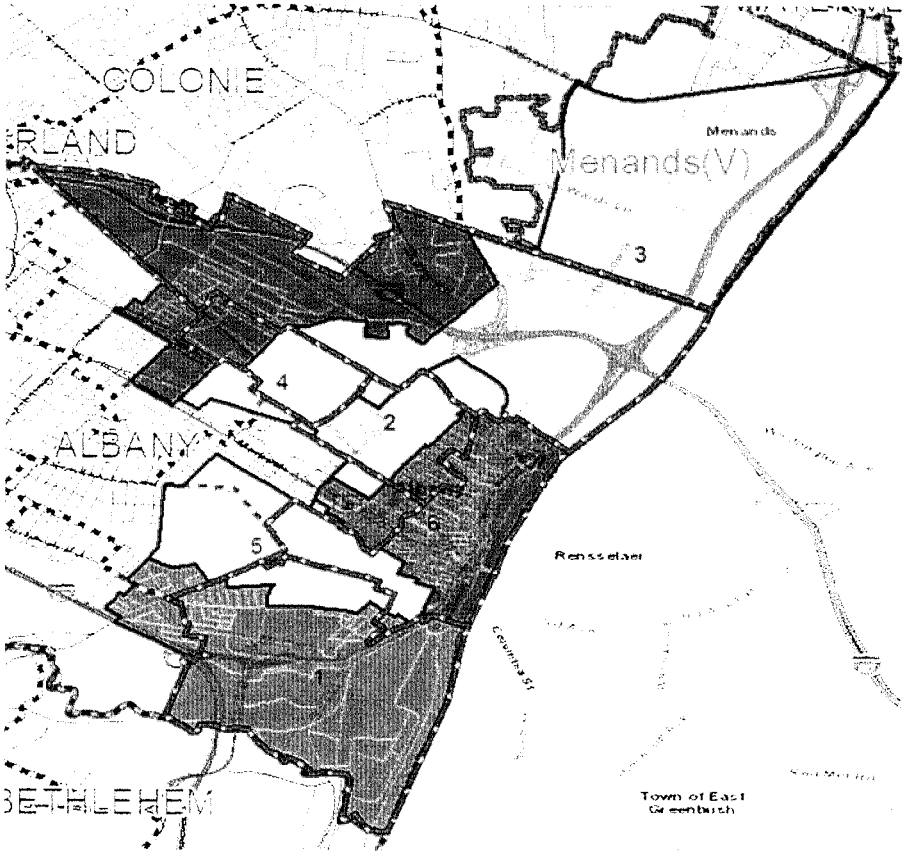
PlanC 7-8- Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7)									
Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	8086	3256	**40.27%**	2269	**28.06%**	1516	**18.75%**	4,772	**59.02%**
2	8038	3996	**49.71%**	2269	**28.23%**	957	**11.91%**	4,953	**61.62%**
3	8129	3479	**42.80%**	2607	**32.07%**	715	**8.80%**	4,194	**51.59%**
4	8141	3626	**44.54%**	1816	**22.31%**	1179	**14.48%**	4,805	**59.02%**
5	8148	3392	**41.63%**	2375	**29.15%**	1107	**13.59%**	4,499	**55.22%**
6	8106	3326	**41.03%**	2956	**36.47%**	1047	**12.92%**	4,373	**53.95%**
7	8046	3347	**41.60%**	2532	**31.47%**	1088	**13.52%**	4,435	**55.12%**
Plan C 7-8 Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6 and 7)									
Dist	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB VAP	HISP+NHB_VAP%
1	6141	2401	**39.10%**	2014	32.80%	1007	16.40%	3,408	**55.50%**
2	6281	2881	**45.87%**	2120	33.75%	673	10.71%	3,554	**56.58%**
3	6356	2603	**40.95%**	2295	36.11%	498	7.84%	3,101	**48.79%**
4	6099	2601	**42.65%**	1620	26.56%	809	13.26%	3,410	**55.91%**
5	6324	2493	**39.42%**	2103	33.25%	815	12.89%	3,308	**52.31%**
6	6675	2599	**38.94%**	2757	41.30%	730	10.94%	3,329	**49.87%**
7	6320	2484	**39.30%**	2249	35.59%	760	12.03%	3,244	**51.33%**

MMD Draft Plan C –

Original Plan C



Revised 7-8



MMD Draft Plan C –

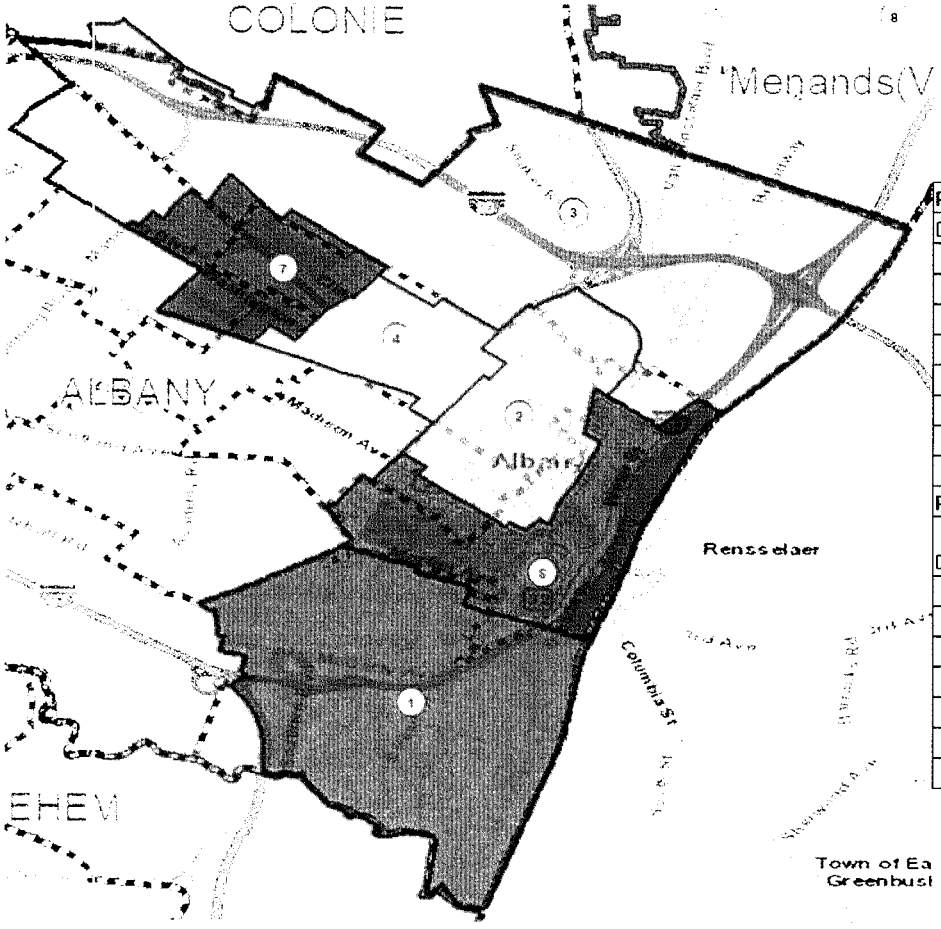
Original Plan C

MMD-Plan C - 7 MMDs (Includes part of Menands)									
Dist	Total Pop	NHB	NHB%	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB %
1	8110	3,261	**40.21%**	2,312	28.51%	1,492	18.40%	4,753	**58.61%**
2	8,038	3,996	**49.71%**	2,269	28.23%	957	11.91%	4,953	**61.62%**
3	8,193	3,543	**43.24%**	2,605	31.80%	718	8.76%	4,261	**52.01%**
4	8,094	3,642	**45.00%**	1,766	21.82%	1,170	14.46%	4,812	**59.45%**
5	8,067	3,344	**41.45%**	2,365	29.32%	1,084	13.44%	4,428	**54.89%**
6	8,180	3,458	**42.27%**	2,631	32.16%	1,047	12.80%	4,505	**55.07%**
7	8,174	3,317	**40.58%**	2,656	32.49%	1,107	13.54%	4,424	**54.12%**
Voting Age Population									
1	6,180	2,416	**39.09%**	2,048	33.14%	995	16.10%	3,411	**55.19%**
2	6,281	2,881	**45.87%**	2,120	33.75%	673	10.71%	3,554	**56.58%**
3	6,417	2,660	**41.45%**	2,293	35.73%	504	7.85%	3,164	**49.31%**
4	6,042	2,609	**43.18%**	1,573	26.03%	797	13.19%	3,406	**56.37%**
5	6,290	2,461	**39.13%**	2,115	33.62%	807	12.83%	3,268	**51.96%**
6	6,640	2,685	**40.44%**	2,443	36.79%	754	11.05%	3,419	**51.49%**
7	6,429	2,453	**38.16%**	2,361	36.72%	772	12.01%	3,225	**50.16%**

Revised 7-8

PlanC 7-8- Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7)									
Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB %
1	8086	3256	**40.27%**	2269	**28.06%**	1516	**18.75%**	4,772	**59.02%**
2	8038	3996	**49.71%**	2269	**28.23%**	957	**11.91%**	4,953	**61.62%**
3	8129	3479	**42.80%**	2607	**32.07%**	715	**8.80%**	4,194	**51.59%**
4	8141	3626	**44.54%**	1816	**22.31%**	1179	**14.48%**	4,805	**59.02%**
5	8148	3392	**41.63%**	2375	**29.15%**	1107	**13.59%**	4,499	**55.22%**
6	8106	3326	**41.03%**	2956	**36.47%**	1047	**12.92%**	4,373	**53.95%**
7	8046	3347	**41.60%**	2532	**31.47%**	1088	**13.52%**	4,435	**55.12%**
Plan C 7-8 Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6 and 7)									
Dist	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB_VAP	HISP+NHB_VAP%
1	6141	2401	**39.10%**	2014	32.80%	1007	16.40%	3,408	**55.50%**
2	6281	2881	**45.87%**	2120	33.75%	673	10.71%	3,554	**56.58%**
3	6356	2603	**40.95%**	2295	36.11%	498	7.84%	3,101	**48.79%**
4	6099	2601	**42.65%**	1620	26.56%	809	13.26%	3,410	**55.91%**
5	6324	2493	**39.42%**	2103	33.25%	815	12.89%	3,308	**52.31%**
6	6675	2599	**38.94%**	2757	41.30%	730	10.94%	3,329	**49.87%**
7	6320	2484	**39.30%**	2249	35.59%	760	12.03%	3,244	**51.33%**

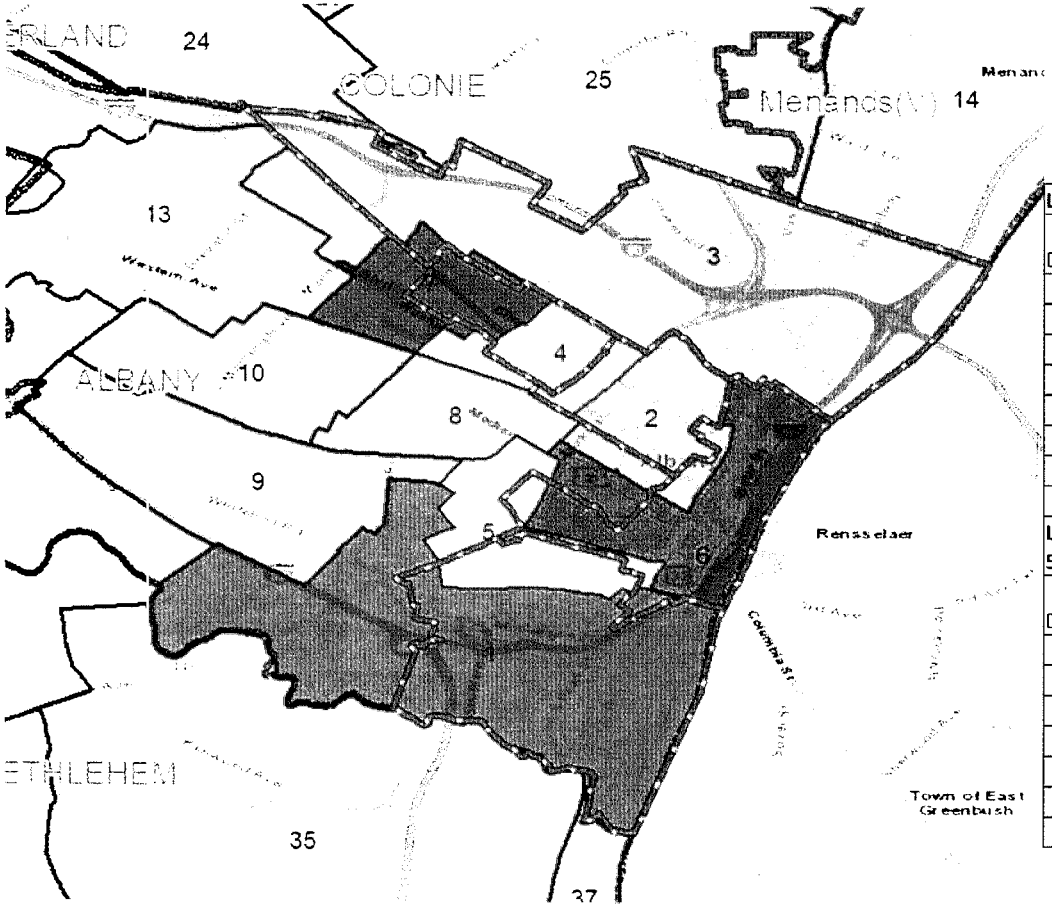
MMD Draft Plan D – 6 NH Black Plurality Districts



Plan D- Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 6, and 7)									
Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	8077	3734	**46.23%**	1757	**21.75%**	1441	**17.84%**	5,175	**64.07%**
2	8149	3895	**47.80%**	2572	**31.56%**	887	**10.88%**	4,782	**58.68%**
3	8047	3499	**43.48%**	2618	**32.53%**	896	**11.13%**	4,395	**54.62%**
4	8013	3988	**49.77%**	1561	**19.48%**	1125	**14.04%**	5,113	**63.81%**
6	8237	3548	**43.07%**	2623	**31.84%**	1167	**14.17%**	4,715	**57.24%**
7	8023	3590	**44.75%**	2005	**24.99%**	1191	**14.84%**	4,781	**59.59%**

Plan D - Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 6 and 7)									
Dist	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB_VAP	HISP+NHB_VAP%
1	6027	2757	**45.74%**	1511	25.07%	978	16.23%	3,735	**61.97%**
2	6453	2856	**44.26%**	2396	37.13%	605	9.38%	3,461	**53.63%**
3	6419	2632	**41.00%**	2358	36.73%	616	9.60%	3,248	**50.60%**
4	5907	2804	**47.47%**	1382	23.40%	772	13.07%	3,576	**60.54%**
6	6622	2719	**41.06%**	2413	36.44%	838	12.65%	3,557	**53.71%**
7	6038	2618	**43.36%**	1734	28.72%	800	13.25%	3,418	**56.61%**

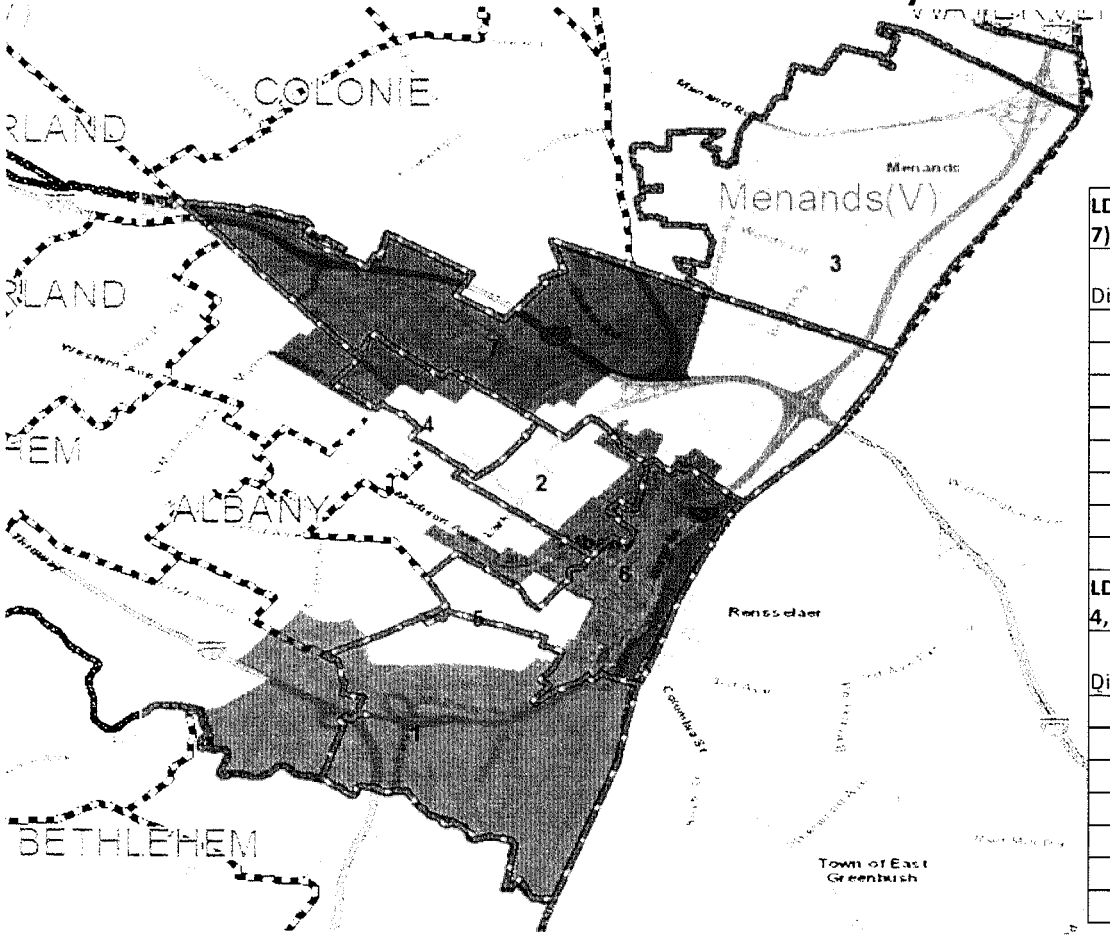
LD 5-30-2-22 - 7 NH Black Plurality Districts



LD 5_30_2 - Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7)									
Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	7879	3118	**39.57%**	2506	**31.81%**	1346	**17.08%**	4,464	**56.66%**
2	7987	3542	**44.35%**	2817	**35.27%**	864	**10.82%**	4,406	**55.16%**
3	8023	3817	**47.58%**	2337	**29.13%**	925	**11.53%**	4,742	**59.11%**
4	7971	3823	**47.96%**	1793	**22.49%**	1104	**13.85%**	4,927	**61.81%**
5	8007	3217	**40.18%**	2213	**27.64%**	1174	**14.66%**	4,391	**54.84%**
6	8013	3293	**41.10%**	2942	**36.72%**	1114	**13.90%**	4,407	**55.00%**
7	7962	3438	**43.18%**	2257	**28.35%**	1187	**14.91%**	4,625	**58.09%**

LD_5_30_2 - Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6 and 7)									
Dist	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB_VAP	HISP+NHB_VAP%
1	6205	2327	**37.50%**	2249	36.24%	911	14.68%	3,238	**52.18%**
2	6509	2584	**39.70%**	2663	40.91%	607	9.33%	3,191	**49.02%**
3	6362	2843	**44.69%**	2100	33.01%	621	9.76%	3,464	**54.45%**
4	6159	2750	**44.65%**	1623	26.35%	773	12.55%	3,523	**57.20%**
5	6268	2360	**37.65%**	1977	31.54%	855	13.64%	3,215	**51.29%**
6	6703	2582	**38.52%**	2719	40.56%	818	12.20%	3,400	**50.72%**
7	6097	2476	**40.61%**	1940	31.82%	806	13.22%	3,282	**53.83%**

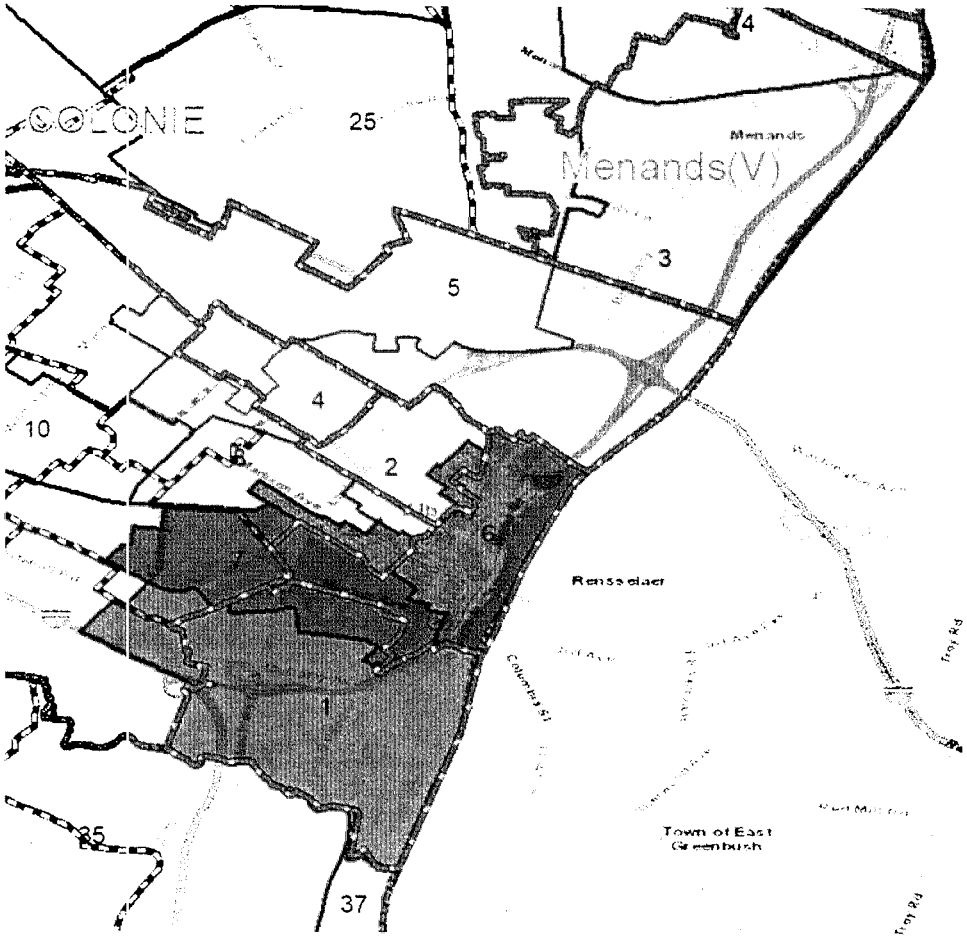
LD 6-14-22 7 - NH Black Plurality Districts



LD 6_14 - Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7)									
Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	7987	3425	**42.88%**	2219	**27.78%**	1371	**17.17%**	4,796	**60.05%**
2	8014	3667	**45.76%**	2462	**30.72%**	953	**11.89%**	4,620	**57.65%**
3	8125	3483	**42.87%**	2692	**33.13%**	702	**8.64%**	4,185	**51.51%**
4	7925	3556	**44.87%**	1840	**23.22%**	1103	**13.92%**	4,659	**58.79%**
5	7999	3407	**42.59%**	2105	**26.32%**	1236	**15.45%**	4,643	**58.04%**
6	8126	3579	**44.04%**	2512	**30.91%**	1054	**12.97%**	4,633	**57.01%**
7	8028	3506	**43.67%**	2326	**28.97%**	1123	**13.99%**	4,629	**57.66%**

LD_6_14 - Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6 and 7)									
Dist	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB_VAP	HISP+NHB_VAP%
1	6041	2500	**41.38%**	1959	32.43%	917	15.18%	3,417	**56.56%**
2	6377	2736	**42.90%**	2277	35.71%	687	10.77%	3,423	**53.68%**
3	6373	2582	**40.51%**	2388	37.47%	491	7.70%	3,073	**48.22%**
4	6000	2555	**42.58%**	1631	27.18%	790	13.17%	3,345	**55.75%**
5	6114	2540	**41.54%**	1834	30.00%	882	14.43%	3,422	**55.97%**
6	6563	2733	**41.64%**	2369	36.10%	729	11.11%	3,462	**52.75%**
7	6103	2535	**41.54%**	2045	33.51%	742	12.16%	3,277	**53.69%**

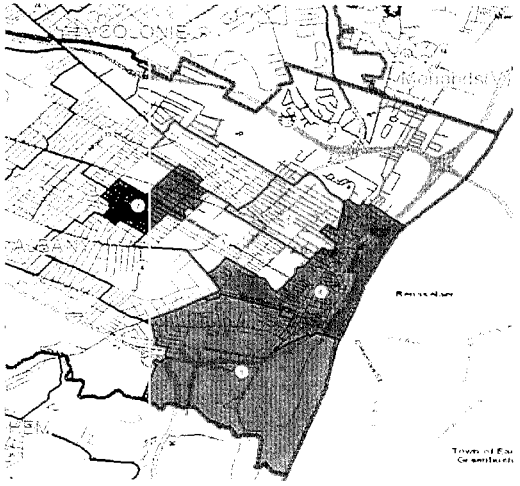
Gwen Pope Submission -7 NH Black Plurality Districts



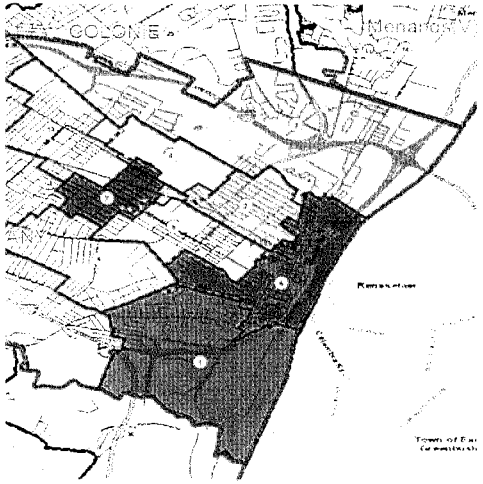
Gwen Pope - Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7)									
Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	8071	3159	**39.14%**	2348	**29.09%**	1477	**18.30%**	4,636	**57.44%**
2	8132	3898	**47.93%**	2383	**29.30%**	969	**11.92%**	4,867	**59.85%**
3	8088	3732	**46.14%**	2327	**28.77%**	751	**9.29%**	4,483	**55.43%**
4	8149	3535	**43.38%**	1960	**24.05%**	1144	**14.04%**	4,679	**57.42%**
5	8101	3486	**43.03%**	2382	**29.40%**	1141	**14.08%**	4,627	**57.12%**
6	8128	3268	**40.21%**	2711	**33.35%**	1027	**12.64%**	4,295	**52.84%**
7	8106	3446	**42.51%**	2329	**28.73%**	1099	**13.56%**	4,545	**56.07%**

Gwen Pope - Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6 and 7)									
Dist	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB_VAP	HISP+NHB_VAP%
1	6159	2356	**38.25%**	2073	33.66%	984	15.98%	3,340	**54.23%**
2	6351	2810	**44.25%**	2215	34.88%	687	10.82%	3,497	**55.06%**
3	6259	2759	**44.08%**	2044	32.66%	521	8.32%	3,280	**52.40%**
4	6234	2563	**41.11%**	1763	28.28%	792	12.70%	3,355	**53.82%**
5	6222	2557	**41.10%**	2105	33.83%	778	12.50%	3,335	**53.60%**
6	6698	2575	**38.44%**	2518	37.59%	735	10.97%	3,310	**49.42%**
7	6311	2521	**39.95%**	2090	33.12%	818	12.96%	3,339	**52.91%**

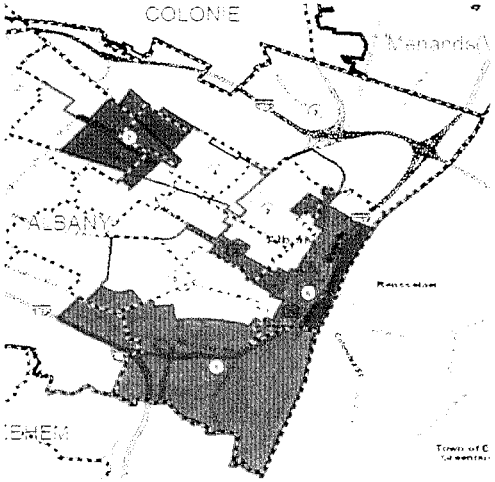
AS-IS Districts



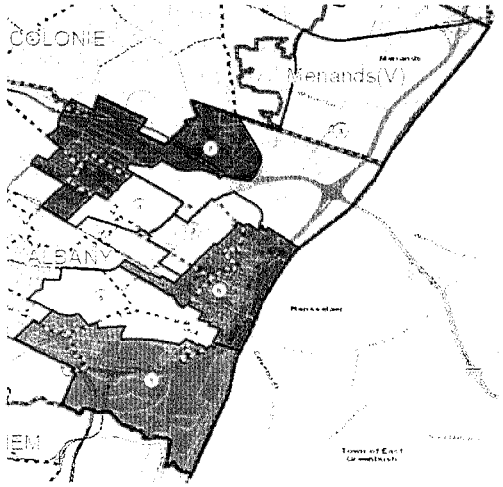
MMD Revised Plan A



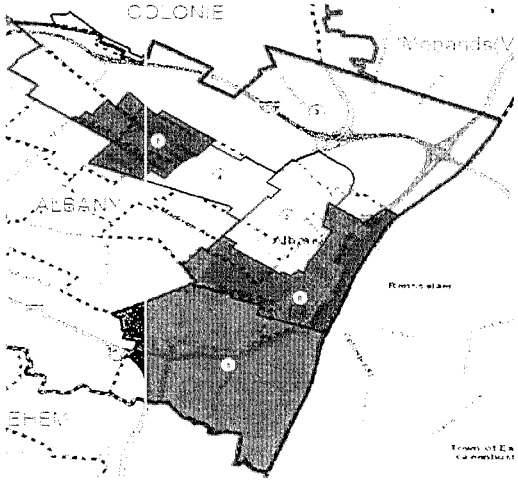
MMD Draft Revised Plan B



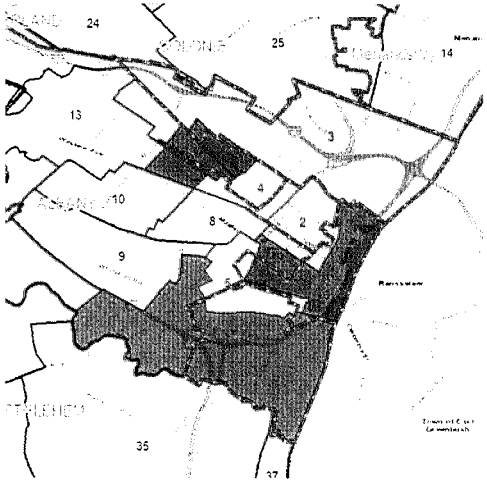
MMD Draft Revised Plan C



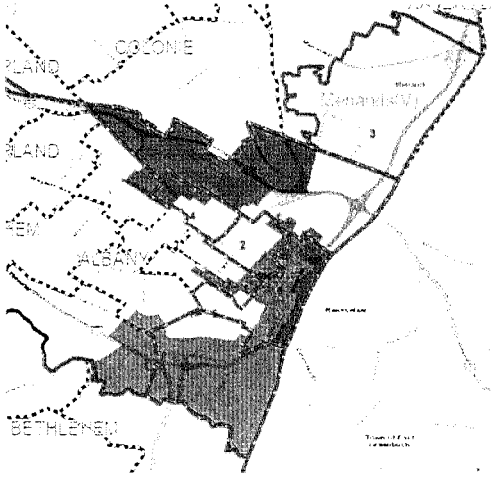
MMD Draft Revised Plan D



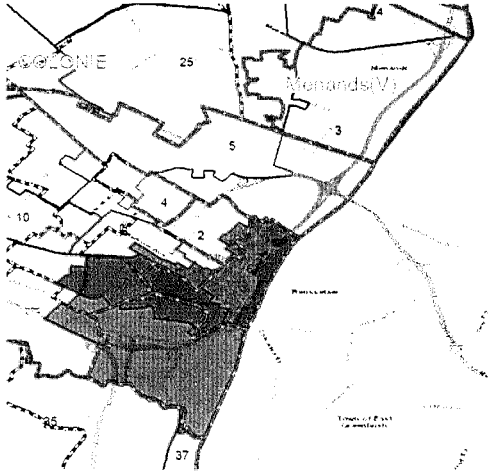
LD 5-30-2



LD 6-14



Gwen Pope



EVALUATION OF ALL MMD REDISTRICTING PLANS										
Effectiveness Analysis						Splits		Plan Characterstics		Representation
Plan-/ No of Districts	Very likely	Likely	Total likely to election	Possible	Effectiveness	Neighborhood Splits	Municipalities Incl.	Average Pop Deviation	Average Compactness	NHB Representation
Current-5	1	4	5		0.423	13	1	-3.45%	0.40630	Base
Plan A-5		5	5		0.418	16	1	0.15%	0.37777	Gain
Plan B-7	1	3	4	3	0.395	18	1	-0.84%	0.37745	Gain
Plan C-7		5	5	2	0.402	13	3	-0.23%	0.38903	-6 NHB-D7 & -1 NHB -D1
Plan D-6	1	3	4	2	0.400	14	2	-0.17%	0.42249	-1 NHB in D1
Dahl May-7	1	3	4	3	0.392	19	1	-1.18%	0.43313	Gain
Dahl June-7		5	5	2	0.399	20	3	-0.94%	0.38852	Gain
Pope-7		5	5	2	0.468	19	2	0.07%	0.32971	Gain

EVALUATION OF ALL MMD REDISTRICTING PLANS										
Effectiveness Analysis						Splits		Plan Characterstics		Representation
	Very likely	Likely	Total likely to election	Possible	Effectiveness	Neighbor-hood	Municipalities	Average Pop Deviation	Average Compactness	NHB Representation
Current - 5	1	4	5		0.423	13	1	-3.45%	0.40630	Base
Orig Plan A - 5		5	5		0.417	14	2	0.07%	0.37760	Gain
Plan A - 5		5	5		0.418	16	1	0.15%	0.37777	Gain
Plan B-7	1	3	4	3	0.395	18	1	-0.84%	0.37745	Gain
Plan C-7		5	5	2	0.402	13	3	-0.23%	0.38903	-6 NHB-D7 & -1 NHB -D1
Plan D - 6	1	3	4	2	0.400	14	2	-0.17%	0.42249	-1 NHB in D1
Dahl May - 7	1	3	4	3	0.392	19	1	-1.18%	0.43313	Gain
Dahl June - 7		5	5	2	0.399	20	3	-0.94%	0.38852	Gain
Pope - 7		5	5	2	0.468	19	2	0.07%	0.32971	Gain

Functional Analysis of 7 Proposed Plans

Current	2018Dem PR Attorney General								2018Dem PR Lieut Governor				*average*	*elect*	*seats*
	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*score*	*won*	*won*
1	192	206	71	149	31.07%	33.33%	11.49%	24.11%	341	293	53.79%	46.21%	0.398	1	1
2	123	207	25	205	21.96%	36.96%	4.46%	36.61%	245	307	44.38%	55.62%	0.463	2	1
3	195	185	57	109	35.71%	33.88%	10.44%	19.96%	285	271	51.26%	48.74%	0.413	0	1
4	93	134	28	76	28.10%	40.48%	8.46%	22.96%	179	149	54.57%	45.43%	0.430	1	1
5															
6	141	158	43	189	26.55%	29.76%	8.10%	35.59%	254	278	47.74%	52.26%	0.410	1	1
														5	***5***
													0.423		

Plan A													*average*	*elect*	*seats*
	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*score*	*won*	*won*
1	196	210	69	153	31.21%	33.44%	10.99%	24.36%	341	293	53.79%	46.21%	0.398	1	1
2	147	219	28	253	22.72%	33.85%	4.33%	39.10%	245	307	44.38%	55.62%	0.447	1	1
3	197	186	48	110	36.41%	34.38%	8.87%	20.33%	285	271	51.26%	48.74%	0.416	0	1
4	105	141	22	93	29.09%	39.06%	6.09%	25.76%	179	149	54.57%	45.43%	0.422	1	1
5															
6	135	150	38	191	26.26%	29.18%	7.39%	37.16%	254	278	47.74%	52.26%	0.407	1	1
														4	***5***
													0.418		

Plan B													*average*	*elect*	*seats*
	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*score*	*won*	*won*
1	247	226	70	233	31.83%	29.12%	9.02%	30.03%	443	331	57.24%	42.76%	0.359	0	?
2	149	186	33	338	21.10%	26.35%	4.67%	47.88%	328	371	46.92%	53.08%	0.397	1	1
3	236	193	55	169	36.14%	29.56%	8.42%	25.88%	370	306	54.73%	45.27%	0.374	0	?
4	106	163	24	101	26.90%	41.37%	6.09%	25.63%	193	200	49.11%	50.89%	0.461	2	1
5	153	159	58	197	26.98%	28.04%	10.23%	34.74%	268	304	46.85%	53.15%	0.406	1	1
6	163	166	42	289	24.70%	25.15%	6.36%	43.79%	310	366	45.86%	54.14%	0.396	1	1
7	139	113	33	191	29.20%	23.74%	6.93%	40.13%	235	234	50.11%	49.89%	0.368	0	?
														5	**4 (plus**
													0.395		

Functional Analysis of 7 Proposed Plans

Plan C	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*average score*	*elect won*	seats won
1	250	229	71	236	31.81%	29.13%	9.03%	30.03%	449	334	57.34%	42.66%	0.359	0	?
2	167	217	36	317	22.66%	29.44%	4.88%	43.01%	326	399	44.97%	55.03%	0.422	1	1
3	134	141	47	66	34.54%	36.34%	12.11%	17.01%	208	202	50.73%	49.27%	0.428	1	1
4	72	109	16	66	27.38%	41.44%	6.08%	25.10%	149	122	54.98%	45.02%	0.432	1	1
5	153	162	60	186	27.27%	28.88%	10.70%	33.16%	267	300	47.09%	52.91%	0.409	1	1
6	140	164	34	260	23.41%	27.42%	5.69%	43.48%	277	338	45.04%	54.96%	0.412	1	1
7	202	139	33	207	34.77%	23.92%	5.68%	35.63%	315	268	54.03%	45.97%	0.349	0	?
														5	**5 (plus**
													0.402		

Plan D	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*average score*	*elect won*	*seats won*
1	188	206	70	152	30.52%	33.44%	11.36%	24.68%	337	292	53.58%	46.42%	0.399	1	1
2	156	177	41	334	22.03%	25.00%	5.79%	47.18%	325	372	46.63%	53.37%	0.392	1	1
3	252	197	66	187	35.90%	28.06%	9.40%	26.64%	388	320	54.80%	45.20%	0.366	0	?
4	111	180	24	128	25.06%	40.63%	5.42%	28.89%	213	228	48.30%	51.70%	0.462	2	1
5															
6	165	171	50	265	25.35%	26.27%	7.68%	40.71%	299	352	45.93%	54.07%	0.402	1	1
7	129	117	33	135	31.16%	28.26%	7.97%	32.61%	215	191	52.96%	47.04%	0.377	0	?
														5	**4 (plus**
													0.400		

Dahl 30-May	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*average score*	*elect won*	seats won
1	247	216	72	245	31.67%	27.69%	9.23%	31.41%	440	337	56.63%	43.37%	0.355	0	?
2	146	191	38	367	19.68%	25.74%	5.12%	49.46%	339	390	46.50%	53.50%	0.396	1	1
3	244	197	64	168	36.26%	29.27%	9.51%	24.96%	369	311	54.26%	45.74%	0.375	0	?
4	105	161	25	115	25.86%	39.66%	6.16%	28.33%	196	208	48.51%	51.49%	0.456	2	1
5	162	170	55	201	27.55%	28.91%	9.35%	34.18%	291	305	48.83%	51.17%	0.400	1	1
6	176	170	50	312	24.86%	24.01%	7.06%	44.07%	322	382	45.74%	54.26%	0.391	1	1
7	149	122	39	186	30.04%	24.60%	7.86%	37.50%	244	239	50.52%	49.48%	0.370	0	?
														5	**4 (plus**
													0.392		

Functional Analysis of 7 Proposed Plans

Dahl 14-Jun	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*average score*	*elect won*	*seats won*
1	232	222	69	215	31.44%	30.08%	9.35%	29.13%	423	322	56.78%	43.22%	0.367	0	?
2	169	214	38	343	22.12%	28.01%	4.97%	44.90%	334	418	44.41%	55.59%	0.418	1	1
3	125	122	41	65	35.41%	34.56%	11.61%	18.41%	193	181	51.60%	48.40%	0.415	0	1
4	79	111	20	83	26.96%	37.88%	6.83%	28.33%	161	136	54.21%	45.79%	0.418	1	1
5	167	171	63	221	26.85%	27.49%	10.13%	35.53%	286	332	46.28%	53.72%	0.406	1	1
6	142	171	31	241	24.27%	29.23%	5.30%	41.20%	287	317	47.52%	52.48%	0.409	1	1
7	197	151	35	177	35.18%	26.96%	6.25%	31.61%	305	256	54.37%	45.63%	0.363	0	?
														4	**5 (plus**
													0.399		

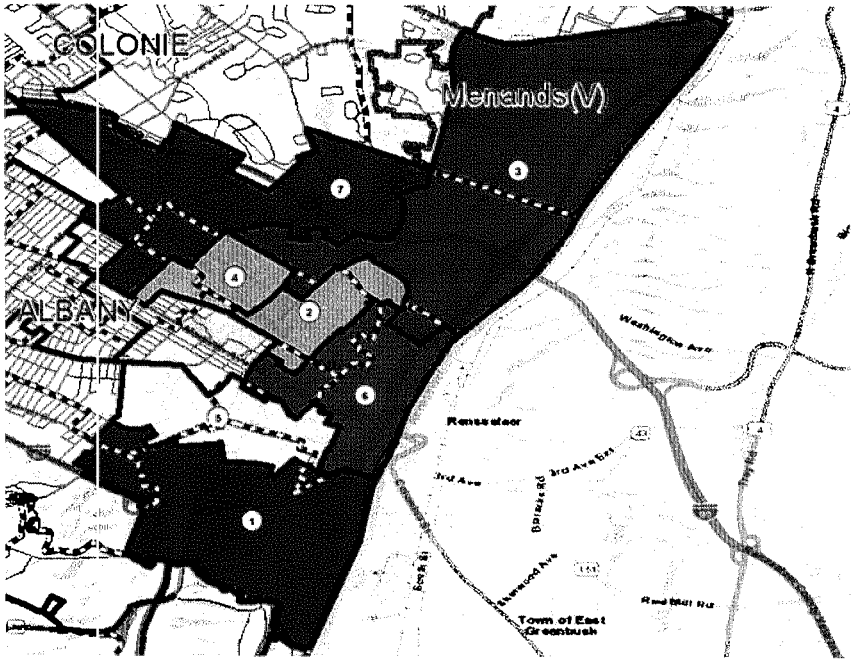
Gwen Pope	Maloney	James	Eve	Teachout	% Maloney	% James	% Eve	% Teachout	Hochel	Williams	% Hochel	%Williams	*average score*	*elect won*	*seats won*
1	252	230	73	245	31.50%	28.75%	9.13%	30.63%	461	339	57.63%	42.38%	0.356	0	?
2	161	221	37	330	21.50%	29.51%	4.94%	44.06%	333	403	45.24%	54.76%	0.421	1	1
3	136	145	53	67	33.92%	36.16%	13.22%	16.71%	203	202	50.12%	49.88%	0.430	1	1
4	85	109	18	89	28.24%	36.21%	5.98%	29.57%	159	146	52.13%	47.87%	0.420	1	1
5	193	144	44	178	34.53%	25.76%	7.87%	31.84%	300	253	54.25%	45.75%	0.358	0	?
6	145	165	38	255	24.05%	27.36%	6.30%	42.29%	273	331	45.20%	54.80%	0.411	1	1
7	151	160	62	183	27.16%	28.78%	11.15%	32.91%	262	298	46.79%	53.21%	0.410	1	1
														5	**5 (plus**
													0.468		

	very likely	likely	**total likely to election**	**possible**	
Current	1	4	**5**		
Plan A		5	**5**		
Plan B	1	3	**4**	3	
Plan C		5	**5**	2	0.402
Plan D	1	3	**4**	2	
Dahl May	1	3	**4**	3	
Dahl June		5	**5**	2	0.399
Pope		5	**5**	2	0.468

Final MMD Proposed Plan

ARCBridge Consulting & Training Inc.
www.arcbridge.com

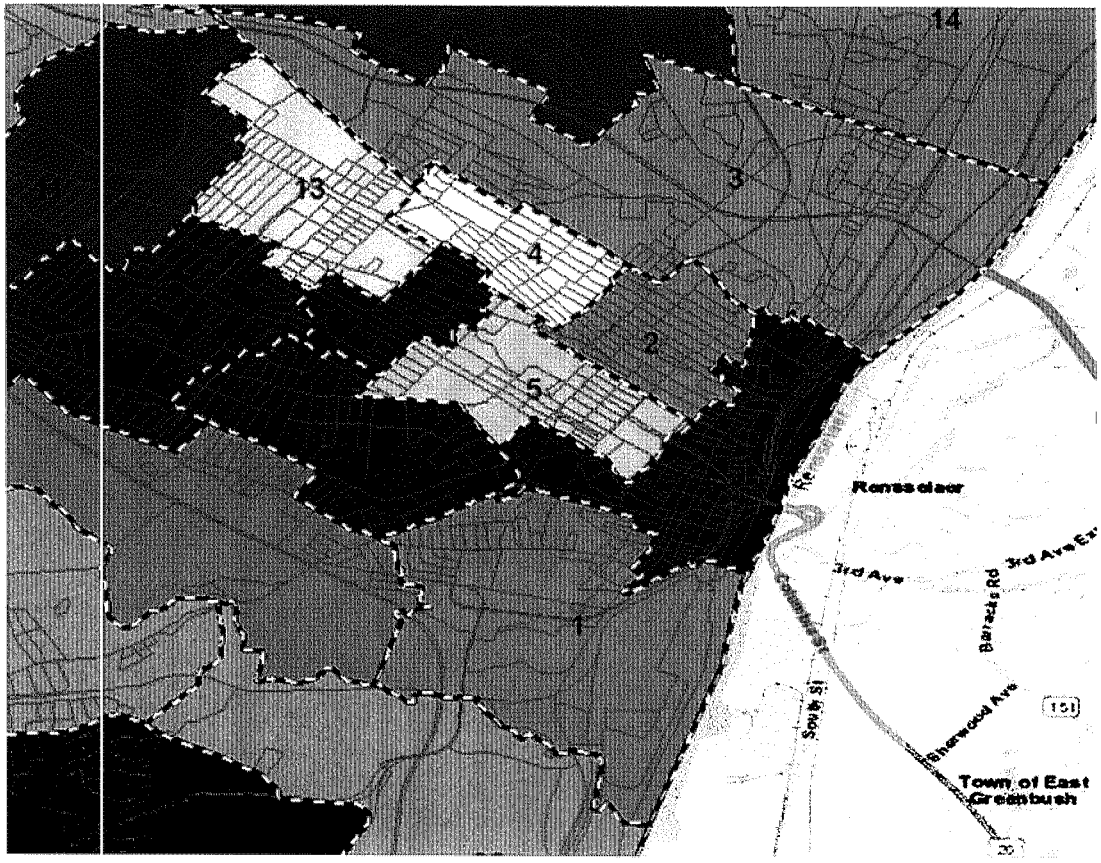
MMD Proposed Plan– 7 NH Black Plurality Districts



Revised Plan C- Based on Total Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6, and 7									
Dist	Total Pop	NHB	**NHB%**	NHW	NHW%	Hisp	Hisp%	Hisp+NHB	HISP+NHB%
1	8144	3259	**40.02%**	2296	**28.19%**	1526	**18.74%**	4,785	**58.75%**
2	8060	3994	**49.55%**	2254	**27.97%**	981	**12.17%**	4,975	**61.72%**
3	8121	3483	**42.89%**	2610	**32.14%**	711	**8.76%**	4,194	**51.64%**
4	8094	3642	**45.00%**	1766	**21.82%**	1170	**14.46%**	4,812	**59.45%**
5	8034	3312	**41.22%**	2368	**29.47%**	1112	**13.84%**	4,424	**55.07%**
6	8104	3383	**41.74%**	2926	**36.11%**	988	**12.19%**	4,371	**53.94%**
7	8158	3383	**41.47%**	2569	**31.49%**	1108	**13.58%**	4,491	**55.05%**

Revised Plan C- Based on Total Voting Age Population - NH Black Majority/Plurality Districts - 1, 2, 3, 4, 5, 6 and 7									
Dist	VAP	NHB_VAP	**NHB_VAP%**	NHW_VAP	NHW_VAP%	HISP_VAP	HISP_VAP%	HISP+NHB_VAP	HISP+NHB_VAP%
1	6181	2409	**38.97%**	2029	32.83%	1016	16.44%	3,425	**55.41%**
2	6303	2886	**45.79%**	2097	33.27%	698	11.07%	3,584	**56.86%**
3	6366	2607	**40.95%**	2298	36.10%	503	7.90%	3,110	**48.85%**
4	6042	2609	**43.18%**	1573	26.03%	797	13.19%	3,406	**56.37%**
5	6345	2489	**39.23%**	2132	33.60%	836	13.18%	3,325	**52.40%**
6	6622	2581	**38.98%**	2748	41.50%	675	10.19%	3,256	**49.17%**
7	6406	2518	**39.31%**	2285	35.67%	766	11.96%	3,284	**51.26%**

Current – AS-IS Districts – Most of the Minority Districts have less than the ideal population



	Total	VAP	Ideal	Deviation	Deviation%
1	8008	6003	8105	-97	-1.20%
		74.96%			
2	7573	5756	8105	-532	-6.56%
		76.01%			
3	7815	5939	8105	-290	-3.58%
		75.99%			
4	7610	5460	8105	-495	-6.11%
		71.75%			
6	8120	6394	8105	15	0.19%
		78.74%			
7	7485	6509	8105	-620	-7.65%
		86.96%			

	Hisp	HISP_VAP	NHW	NHW_VAP	NHB	NHB_VAP	MIN	MINVAP
1	1402	948	1765	1529	3708	2754	6243	4474
	17.51%	15.79%	22.04%	25.47%	**46.30%**	**45.88%**	**77.96%**	**74.53%**
2	919	626	1740	1622	4114	2957	5833	4134
	12.14%	10.88%	22.98%	28.18%	**54.32%**	**51.37%**	**77.02%**	**71.82%**
3	982	659	1804	1610	4226	3101	6011	4329
	12.57%	11.10%	23.08%	27.11%	**54.08%**	**52.21%**	**76.92%**	**72.89%**
4	1076	685	1217	1029	3994	2848	6393	4431
	14.14%	12.55%	15.99%	18.85%	**52.48%**	**52.16%**	**84.01%**	**81.15%**
6	1214	859	2148	1946	3868	2935	5972	4448
	14.95%	13.43%	26.45%	30.43%	**47.64%**	**45.90%**	**73.55%**	**69.57%**
7	979	801	3390	3185	1974	1585	4095	3324
	13.08%	12.31%	45.29%	48.93%	**26.37%**	**24.35%**	**54.71%**	**51.07%**

ARCBridge
Consulting & Training, Inc.

EVALUATION OF ALL MMD REDISTRICTING PLANS												
Effectiveness Analysis						Splits		Plan Characterstics				Representation
	Very likely	Likely	Total likely to election	Possible	Effectiveness	Neighbor-hood	Municipalities	Average Pop Deviation	Lowest Dev	Highest Dev	Average Compactness	NHB Representation
Current - 5	1	4	**5**		0.423	11	1	-3.45%	-6.56%	0.19%	0.40630	Base
Orig Plan A - 5		5	**5**		0.417	13	2	0.07%	-0.56%	1.05%	0.37760	Gain
Plan A - 5		5	**5**		0.418	13	1	0.15%	-0.69%	1.05%	0.37777	Gain
Plan B-7	1	3	**4**	3	0.395	16	1	-0.84%	-1.78%	-0.01%	0.37745	Gain
Plan C-7		5	**5**	2	0.398	15	3	-0.07%	-0.83%	0.53%	0.40704	Gain
Plan D - 6	1	3	**4**	2	0.400	17	2	-0.18%	-1.14%	1.63%	0.42249	-1 NHB in D1
Dahl May - 7	1	3	**4**	3	0.392	18	1	-0.15%	-1.47%	0.31%	0.43313	Gain
Dahl June - 7		5	**5**	2	0.399	19	3	-0.94%	-2.22%	0.26%	0.38852	Gain
Pope - 7		5	**5**	2	0.468	20	2	0.08%	-0.42%	0.54%	0.32971	Gain