

Cost of new voting equipment - Manhattan

(by pollsite and number of reg. voters, assumes 1% or 2% use audio, sip&puff, or rocker paddles)

Teresa Hommel, WheresThePaper.org, 11/6/06

Manhattan:

How many machines are needed, if number of reg. voters served per machine is:

Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
M002	00001	256	2	1	1	1	1	1	1	1	1	1
	00004	203	2	1	1	1	1	1	1	1	1	1
	00006	2491	13	9	7	5	5	2	1	1	2	3
	00007	1669	9	6	5	4	3	1	1	1	2	2
	00008	999	5	4	3	2	2	1	1	1	1	1
M003	00009	3326	17	12	9	7	6	2	2	2	3	4
	00013	4227	22	15	11	9	8	3	2	2	3	5
	00016	3411	18	12	9	7	6	2	2	2	3	4
	00017	1743	9	6	5	4	3	1	1	1	2	2
	00018	355	2	2	1	1	1	1	1	1	1	1
M004	00019	1261	7	5	4	3	3	1	1	1	1	2
	00020	2539	13	9	7	6	5	2	2	1	2	3
	00021	4606	24	16	12	10	8	3	2	2	3	5
	00023	4358	22	15	11	9	8	3	2	2	3	5
	00025	1982	10	7	5	4	4	1	1	1	2	2
M005	00028	5224	27	18	14	11	9	3	3	2	4	6
	10007	1361	7	5	4	3	3	1	1	1	1	2
	10098	614	4	3	2	2	2	1	1	1	1	1
	10099	5278	27	18	14	11	9	3	3	2	4	6
M006	10100	3557	18	12	9	8	6	2	2	2	3	4
	10115	1716	9	6	5	4	3	1	1	1	2	2
	10119	6438	33	22	17	13	11	4	3	3	5	7
	10121	2081	11	7	6	5	4	2	1	1	2	3
M007	10131	1403	8	5	4	3	3	1	1	1	1	2
	10139	3549	18	12	9	8	6	2	2	2	3	4
	10141	3184	16	11	8	7	6	2	2	2	3	4
	10142	2878	15	10	8	6	5	2	2	1	2	3
	10143	372	2	2	1	1	1	1	1	1	1	1
M008	10145	4196	21	14	11	9	7	3	2	2	3	5

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Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
	10147	2849	15	10	8	6	5	2	2	1	2	3
	10148	2128	11	8	6	5	4	2	1	1	2	3
	10161	806	5	3	3	2	2	1	1	1	1	1
M009	10176	10710	54	36	27	22	18	6	5	4	7	11
	10205	1446	8	5	4	3	3	1	1	1	1	2
	10222	807	5	3	3	2	2	1	1	1	1	1
	10226	690	4	3	2	2	2	1	1	1	1	1
M010	10227	5748	29	20	15	12	10	3	3	2	4	6
	10239	223	2	1	1	1	1	1	1	1	1	1
	10241	1883	10	7	5	4	4	1	1	1	2	2
	10249	2780	14	10	7	6	5	2	2	1	2	3
	10250	2078	11	7	6	5	4	2	1	1	2	3
M011	10251	2118	11	8	6	5	4	2	1	1	2	3
	10261	4926	25	17	13	10	9	3	2	2	4	5
	10271	4056	21	14	11	9	7	3	2	2	3	5
	10272	825	5	3	3	2	2	1	1	1	1	1
	10275	550	3	2	2	2	1	1	1	1	1	1
M012	10279	3606	19	13	10	8	7	2	2	2	3	4
	10297	519	3	2	2	2	1	1	1	1	1	1
	10304	886	5	3	3	2	2	1	1	1	1	1
	10306	555	3	2	2	2	1	1	1	1	1	1
	10307	606	4	3	2	2	2	1	1	1	1	1
	10308	490	3	2	2	1	1	1	1	1	1	1
M013	10309	895	5	3	3	2	2	1	1	1	1	1
	10314	1990	10	7	5	4	4	1	1	1	2	2
	10317	154	1	1	1	1	1	1	1	1	1	1
	10344	1484	8	5	4	3	3	1	1	1	1	2
	10350	884	5	3	3	2	2	1	1	1	1	1
	10358	1413	8	5	4	3	3	1	1	1	1	2
M014	10363	2006	11	7	6	5	4	2	1	1	2	2
	10383	2160	11	8	6	5	4	2	1	1	2	3
	10384	2743	14	10	7	6	5	2	2	1	2	3
	10385	2006	11	7	6	5	4	2	1	1	2	2
	10386	660	4	3	2	2	2	1	1	1	1	1
M015	10389	1955	10	7	5	4	4	1	1	1	2	2

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Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
	10392	718	4	3	2	2	2	1	1	1	1	1
	10393	1961	10	7	5	4	4	1	1	1	2	2
	10394	1025	6	4	3	3	2	1	1	1	1	2
	10395	1369	7	5	4	3	3	1	1	1	1	2
	10396	1863	10	7	5	4	4	1	1	1	2	2
M016	10397	3378	17	12	9	7	6	2	2	2	3	4
	10401	5871	30	20	15	12	10	3	3	2	4	6
	10404	862	5	3	3	2	2	1	1	1	1	1
	10405	1242	7	5	4	3	3	1	1	1	1	2
	10407	870	5	3	3	2	2	1	1	1	1	1
M017	10408	2597	13	9	7	6	5	2	2	1	2	3
	10409	4276	22	15	11	9	8	3	2	2	3	5
	10410	4041	21	14	11	9	7	3	2	2	3	4
	10423	1054	6	4	3	3	2	1	1	1	1	2
	10425	520	3	2	2	2	1	1	1	1	1	1
M018	10426	641	4	3	2	2	2	1	1	1	1	1
	10427	4072	21	14	11	9	7	3	2	2	3	5
	10428	2009	11	7	6	5	4	2	1	1	2	2
	10429	1656	9	6	5	4	3	1	1	1	2	2
	10430	2333	12	8	6	5	4	2	1	1	2	3
M019	10431	1340	7	5	4	3	3	1	1	1	1	2
	10433	1692	9	6	5	4	3	1	1	1	2	2
	10434	720	4	3	2	2	2	1	1	1	1	1
	10438	2774	14	10	7	6	5	2	2	1	2	3
	10439	6293	32	21	16	13	11	4	3	3	4	7
M020	10440	2442	13	9	7	5	5	2	1	1	2	3
	10441	380	2	2	1	1	1	1	1	1	1	1
	10445	798	4	3	2	2	2	1	1	1	1	1
	10446	574	3	2	2	2	1	1	1	1	1	1
	10454	5308	27	18	14	11	9	3	3	2	4	6
M021	10457	436	3	2	2	1	1	1	1	1	1	1
	10463	1477	8	5	4	3	3	1	1	1	1	2
	10464	1195	6	4	3	3	2	1	1	1	1	2
	10465	1902	10	7	5	4	4	1	1	1	2	2
	10466	2638	14	9	7	6	5	2	2	1	2	3

Manhattan:

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Page	SiteID	Voters	DRE	DRE	DRE	DRE	DRE	OpScan	OpScan	OpScan	BMD*	
			200	300	400	500	600	2000	2500	3000	1%, 37min	2%, 37min
M022	10468	3707	19	13	10	8	7	2	2	2	3	4
	10478	1373	7	5	4	3	3	1	1	1	1	2
	10479	1652	9	6	5	4	3	1	1	1	2	2
	10502	2696	14	9	7	6	5	2	2	1	2	3
	10515	2261	12	8	6	5	4	2	1	1	2	3
M023	10516	2963	15	10	8	6	5	2	2	1	2	3
	10517	3418	18	12	9	7	6	2	2	2	3	4
	10518	1274	7	5	4	3	3	1	1	1	1	2
	10520	841	5	3	3	2	2	1	1	1	1	1
	10522	631	4	3	2	2	2	1	1	1	1	1
M024	10523	1509	8	6	4	4	3	1	1	1	1	2
	10524	1714	9	6	5	4	3	1	1	1	2	2
	10526	1790	9	6	5	4	3	1	1	1	2	2
	10527	2367	12	8	6	5	4	2	1	1	2	3
	10531	1820	10	7	5	4	4	1	1	1	2	2
	10537	2612	14	9	7	6	5	2	2	1	2	3
M025	10538	924	5	4	3	2	2	1	1	1	1	1
	10539	1492	8	5	4	3	3	1	1	1	1	2
	10547	1009	6	4	3	3	2	1	1	1	1	1
	10548	1591	8	6	4	4	3	1	1	1	2	2
	10553	4637	24	16	12	10	8	3	2	2	3	5
M026	10559	1462	8	5	4	3	3	1	1	1	1	2
	10562	1724	9	6	5	4	3	1	1	1	2	2
	10563	2033	11	7	6	5	4	2	1	1	2	3
	10565	2209	12	8	6	5	4	2	1	1	2	3
	M027	10568	1071	6	4	3	3	2	1	1	1	1
10569		6843	35	23	18	14	12	4	3	3	5	7
10576		2421	13	9	7	5	5	2	1	1	2	3
10577		1482	8	5	4	3	3	1	1	1	1	2
10593		687	4	3	2	2	2	1	1	1	1	1
M028	10594	3260	17	11	9	7	6	2	2	2	3	4
	10611	2077	11	7	6	5	4	2	1	1	2	3
	10612	3016	16	11	8	7	6	2	2	2	2	3
	10614	1329	7	5	4	3	3	1	1	1	1	2
	10620	1910	10	7	5	4	4	1	1	1	2	2

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How many machines are needed, if number of reg. voters served per machine is:

Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
M029	10624	2463	13	9	7	5	5	2	1	1	2	3
	10625	3037	16	11	8	7	6	2	2	2	2	4
	10626	2125	11	8	6	5	4	2	1	1	2	3
	10630	1652	9	6	5	4	3	1	1	1	2	2
	10657	1372	7	5	4	3	3	1	1	1	1	2
M030	10659	3810	20	13	10	8	7	2	2	2	3	4
	10666	1114	6	4	3	3	2	1	1	1	1	2
	10710	1269	7	5	4	3	3	1	1	1	1	2
	10716	950	5	4	3	2	2	1	1	1	1	1
	10726	491	3	2	2	1	1	1	1	1	1	1
M031	10727	996	5	4	3	2	2	1	1	1	1	1
	10742	3016	16	11	8	7	6	2	2	2	2	3
	10744	616	4	3	2	2	2	1	1	1	1	1
	10745	2251	12	8	6	5	4	2	1	1	2	3
	10746	1121	6	4	3	3	2	1	1	1	1	2
M032	10750	2702	14	10	7	6	5	2	2	1	2	3
	10759	3953	20	14	10	8	7	2	2	2	3	4
	10760	1926	10	7	5	4	4	1	1	1	2	2
	10761	512	3	2	2	2	1	1	1	1	1	1
	10762	1221	7	5	4	3	3	1	1	1	1	2
M033	10768	1360	7	5	4	3	3	1	1	1	1	2
	10783	1761	9	6	5	4	3	1	1	1	2	2
	10794	717	4	3	2	2	2	1	1	1	1	1
	10799	1483	8	5	4	3	3	1	1	1	1	2
	10831	2193	11	8	6	5	4	2	1	1	2	3
M034	10837	5972	30	20	15	12	10	3	3	2	4	6
	10867	670	4	3	2	2	2	1	1	1	1	1
	10892	2208	12	8	6	5	4	2	1	1	2	3
	10916	2502	13	9	7	6	5	2	2	1	2	3
	10924	1476	8	5	4	3	3	1	1	1	1	2
M035	10925	2073	11	7	6	5	4	2	1	1	2	3
	10926	672	4	3	2	2	2	1	1	1	1	1
	10927	1341	7	5	4	3	3	1	1	1	1	2
	10928	1726	9	6	5	4	3	1	1	1	2	2
	10930	1161	6	4	3	3	2	1	1	1	1	2

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Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
M036	10932	3670	19	13	10	8	7	2	2	2	3	4
	10943	588	3	2	2	2	1	1	1	1	1	1
	10944	1220	7	5	4	3	3	1	1	1	1	2
	10958	2373	12	8	6	5	4	2	1	1	2	3
	10980	2012	11	7	6	5	4	2	1	1	2	2
M037	10981	1509	8	6	4	4	3	1	1	1	1	2
	10982	919	5	4	3	2	2	1	1	1	1	1
	10988	773	4	3	2	2	2	1	1	1	1	1
	10990	1014	6	4	3	3	2	1	1	1	1	2
	10993	825	5	3	3	2	2	1	1	1	1	1
	11032	2219	12	8	6	5	4	2	1	1	2	3
M038	11036	3418	18	12	9	7	6	2	2	2	3	4
	M0002	1282	7	5	4	3	3	1	1	1	1	2
	M0004	8177	41	28	21	17	14	5	4	3	6	9
	M0007	412	3	2	2	1	1	1	1	1	1	1
M039	M0010	716	4	3	2	2	2	1	1	1	1	1
	M0011	2006	11	7	6	5	4	2	1	1	2	2
	M0012	2026	11	7	6	5	4	2	1	1	2	3
	M0013	4239	22	15	11	9	8	3	2	2	3	5
M040	M0014	4846	25	17	13	10	9	3	2	2	4	5
	M0015	1225	7	5	4	3	3	1	1	1	1	2
	M0018	7812	40	27	20	16	14	4	4	3	5	8
	M0019	5826	30	20	15	12	10	3	3	2	4	6
M041	M0021	709	4	3	2	2	2	1	1	1	1	1
	M0023	2862	15	10	8	6	5	2	2	1	2	3
	M0024	1706	9	6	5	4	3	1	1	1	2	2
	M0026	1757	9	6	5	4	3	1	1	1	2	2
	M0027	3842	20	13	10	8	7	2	2	2	3	4
M042	M0028	3144	16	11	8	7	6	2	2	2	2	4
	M0032	4040	21	14	11	9	7	3	2	2	3	4
	M0033	5542	28	19	14	12	10	3	3	2	4	6
	M0034	2121	11	8	6	5	4	2	1	1	2	3
M043	M0037	3762	19	13	10	8	7	2	2	2	3	4
	M0038	1930	10	7	5	4	4	1	1	1	2	2
	M0039	4755	24	16	12	10	8	3	2	2	4	5

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Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
	M0041	642	4	3	2	2	2	1	1	1	1	1
	M0043	2995	15	10	8	6	5	2	2	1	2	3
M044	M0044	5640	29	19	15	12	10	3	3	2	4	6
	M0045	609	4	3	2	2	2	1	1	1	1	1
	M0046	2387	12	8	6	5	4	2	1	1	2	3
	M0049	4885	25	17	13	10	9	3	2	2	4	5
M045	M0050	8474	43	29	22	17	15	5	4	3	6	9
	M0051	1242	7	5	4	3	3	1	1	1	1	2
	M0052	3980	20	14	10	8	7	2	2	2	3	4
	M0053	1394	7	5	4	3	3	1	1	1	1	2
M046	M0056	3744	19	13	10	8	7	2	2	2	3	4
	M0057	513	3	2	2	2	1	1	1	1	1	1
	M0063	651	4	3	2	2	2	1	1	1	1	1
	M0064	2250	12	8	6	5	4	2	1	1	2	3
	M0065	3740	19	13	10	8	7	2	2	2	3	4
M047	M0066	1271	7	5	4	3	3	1	1	1	1	2
	M0067	2996	15	10	8	6	5	2	2	1	2	3
	M0068	1016	6	4	3	3	2	1	1	1	1	2
	M0069	2028	11	7	6	5	4	2	1	1	2	3
	M0070	1438	8	5	4	3	3	1	1	1	1	2
M048	M0071	1522	8	6	4	4	3	1	1	1	1	2
	M0072	9911	50	34	25	20	17	5	4	4	7	10
	M0073	1967	10	7	5	4	4	1	1	1	2	2
	M0078	2730	14	10	7	6	5	2	2	1	2	3
M049	M0079	2821	15	10	8	6	5	2	2	1	2	3
	M0080	2401	13	9	7	5	5	2	1	1	2	3
	M0081	5138	26	18	13	11	9	3	3	2	4	6
	M0082	5996	30	20	15	12	10	3	3	2	4	6
M050	M0083	2860	15	10	8	6	5	2	2	1	2	3
	M0084	3919	20	14	10	8	7	2	2	2	3	4
	M0086	2838	15	10	8	6	5	2	2	1	2	3
	M0088	3032	16	11	8	7	6	2	2	2	2	3
	M0089	485	3	2	2	1	1	1	1	1	1	1
M051	M0091	2004	11	7	6	5	4	2	1	1	2	2
	M0093	3155	16	11	8	7	6	2	2	2	2	4

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Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
	M0094	944	5	4	3	2	2	1	1	1	1	1
	M0095	255	2	1	1	1	1	1	1	1	1	1
	M0096	663	4	3	2	2	2	1	1	1	1	1
M052	M0098	2149	11	8	6	5	4	2	1	1	2	3
	M0100	2441	13	9	7	5	5	2	1	1	2	3
	M0103	963	5	4	3	2	2	1	1	1	1	1
	M0104	4084	21	14	11	9	7	3	2	2	3	5
	M0105	1057	6	4	3	3	2	1	1	1	1	2
M053	M0107	651	4	3	2	2	2	1	1	1	1	1
	M0108	657	4	3	2	2	2	1	1	1	1	1
	M0110	2153	11	8	6	5	4	2	1	1	2	3
	M0111	6197	31	21	16	13	11	4	3	3	4	7
	M0112	1828	10	7	5	4	4	1	1	1	2	2
M054	M0113	583	3	2	2	2	1	1	1	1	1	1
	M0114	595	3	2	2	2	1	1	1	1	1	1
	M0122	1525	8	6	4	4	3	1	1	1	1	2
	M0123	1693	9	6	5	4	3	1	1	1	2	2
	M0128	2591	13	9	7	6	5	2	2	1	2	3
M055	M0129	11330	57	38	29	23	19	6	5	4	8	12
	M0131	2023	11	7	6	5	4	2	1	1	2	3
	M0132	1677	9	6	5	4	3	1	1	1	2	2
	M0134	1315	7	5	4	3	3	1	1	1	1	2
M056	M0135	8491	43	29	22	17	15	5	4	3	6	9
	M0140	3757	19	13	10	8	7	2	2	2	3	4
	M0142	2746	14	10	7	6	5	2	2	1	2	3
	M0143	1532	8	6	4	4	3	1	1	1	1	2
M057	M0144	2676	14	9	7	6	5	2	2	1	2	3
	M0145	2885	15	10	8	6	5	2	2	1	2	3
	M0149	2926	15	10	8	6	5	2	2	1	2	3
	M0152	3594	18	12	9	8	6	2	2	2	3	4
	M0153	1267	7	5	4	3	3	1	1	1	1	2
M058	M0154	335	2	2	1	1	1	1	1	1	1	1
	M0155	5035	26	17	13	11	9	3	3	2	4	5
	M0156	1293	7	5	4	3	3	1	1	1	1	2
	M0159	2238	12	8	6	5	4	2	1	1	2	3

Manhattan:

How many machines are needed, if number of reg. voters served per machine is:

Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
	M0160	2275	12	8	6	5	4	2	1	1	2	3
M059	M0164	4003	21	14	11	9	7	3	2	2	3	4
	M0166	721	4	3	2	2	2	1	1	1	1	1
	M0168	2295	12	8	6	5	4	2	1	1	2	3
	M0169	5135	26	18	13	11	9	3	3	2	4	6
	M0170	1797	9	6	5	4	3	1	1	1	2	2
M060	M0171	13703	69	46	35	28	23	7	6	5	9	14
	M0172	1342	7	5	4	3	3	1	1	1	1	2
	M0173	4058	21	14	11	9	7	3	2	2	3	5
	M0175	1327	7	5	4	3	3	1	1	1	1	2
M061	M0177	3946	20	14	10	8	7	2	2	2	3	4
	M0178	3031	16	11	8	7	6	2	2	2	2	3
	M0179	3158	16	11	8	7	6	2	2	2	3	4
	M0181	3548	18	12	9	8	6	2	2	2	3	4
M062	M0192	2796	14	10	7	6	5	2	2	1	2	3
	M0195	2046	11	7	6	5	4	2	1	1	2	3
	M0198	1487	8	5	4	3	3	1	1	1	1	2
	M0199	4747	24	16	12	10	8	3	2	2	4	5
	M0201	1644	9	6	5	4	3	1	1	1	2	2
M063	M0202	1573	8	6	4	4	3	1	1	1	1	2
	M0204	2468	13	9	7	5	5	2	1	1	2	3
	M0205	519	3	2	2	2	1	1	1	1	1	1
	M0211	403	3	2	2	1	1	1	1	1	1	1
	M0212	2319	12	8	6	5	4	2	1	1	2	3
	M0215	718	4	3	2	2	2	1	1	1	1	1
M064	M0216	466	3	2	2	1	1	1	1	1	1	1
	M0218	5712	29	20	15	12	10	3	3	2	4	6
	M0219	559	3	2	2	2	1	1	1	1	1	1
	M0223	3379	17	12	9	7	6	2	2	2	3	4
M065	M0224	12099	61	41	31	25	21	7	5	5	8	12
	M0226	1130	6	4	3	3	2	1	1	1	1	2
	M0227	2086	11	7	6	5	4	2	1	1	2	3
	M0231	2469	13	9	7	5	5	2	1	1	2	3
M066	M0232	2841	15	10	8	6	5	2	2	1	2	3
	M0233	2628	14	9	7	6	5	2	2	1	2	3

Manhattan:

How many machines are needed, if number of reg. voters served per machine is:

Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
	M0234	7533	38	26	19	16	13	4	4	3	5	8
	M0235	2075	11	7	6	5	4	2	1	1	2	3
	M0236	562	3	2	2	2	1	1	1	1	1	1
M067	M0237	5107	26	18	13	11	9	3	3	2	4	6
	M0239	567	3	2	2	2	1	1	1	1	1	1
	M0240	4692	24	16	12	10	8	3	2	2	3	5
	M0244	2012	11	7	6	5	4	2	1	1	2	2
M068	M0245	7650	39	26	20	16	13	4	4	3	5	8
	M0247	2283	12	8	6	5	4	2	1	1	2	3
	M0248	4067	21	14	11	9	7	3	2	2	3	5
	M0249	1051	6	4	3	3	2	1	1	1	1	2
M069	M0252	3044	16	11	8	7	6	2	2	2	2	4
	M0254	3109	16	11	8	7	6	2	2	2	2	4
	M0255	3229	17	11	9	7	6	2	2	2	3	4
	M0256	4413	23	15	12	9	8	3	2	2	3	5
	M0259	1848	10	7	5	4	4	1	1	1	2	2
M070	M0262	1818	10	7	5	4	4	1	1	1	2	2
	M0265	3306	17	12	9	7	6	2	2	2	3	4
	M0267	1501	8	6	4	4	3	1	1	1	1	2
	M0268	5144	26	18	13	11	9	3	3	2	4	6
M071	M0271	2070	11	7	6	5	4	2	1	1	2	3
	M0273	2352	12	8	6	5	4	2	1	1	2	3
	M0278	4482	23	15	12	9	8	3	2	2	3	5
	M0279	1890	10	7	5	4	4	1	1	1	2	2
	M0280	965	5	4	3	2	2	1	1	1	1	1
M072	M0282	2541	13	9	7	6	5	2	2	1	2	3
	M0284	1333	7	5	4	3	3	1	1	1	1	2
	M0285	1893	10	7	5	4	4	1	1	1	2	2
	M0286	4298	22	15	11	9	8	3	2	2	3	5
	M0287	5113	26	18	13	11	9	3	3	2	4	6
M073	M0288	1800	9	6	5	4	3	1	1	1	2	2
	M0289	5230	27	18	14	11	9	3	3	2	4	6
	M0290	3031	16	11	8	7	6	2	2	2	2	3
	M0292	3157	16	11	8	7	6	2	2	2	3	4
	M0293	1724	9	6	5	4	3	1	1	1	2	2

Manhattan: How many machines are needed, if number of reg. voters served per machine is:

Page	SiteID	Voters	DRE 200	DRE 300	DRE 400	DRE 500	DRE 600	OpScan 2000	OpScan 2500	OpScan 3000	BMD* 1%, 37min	BMD* 2%, 37min
M074	M0295	5401	28	19	14	11	10	3	3	2	4	6
	M0296	1269	7	5	4	3	3	1	1	1	1	2
	M0299	1625	9	6	5	4	3	1	1	1	2	2
	M0300	3338	17	12	9	7	6	2	2	2	3	4
M075	M0303	6041	31	21	16	13	11	4	3	3	4	6
	M0313	2439	13	9	7	5	5	2	1	1	2	3
	M0316	637	4	3	2	2	2	1	1	1	1	1
	M0317	2218	12	8	6	5	4	2	1	1	2	3
	M0319	2672	14	9	7	6	5	2	2	1	2	3
M076	M0320	2226	12	8	6	5	4	2	1	1	2	3
	M0321	1924	10	7	5	4	4	1	1	1	2	2
	M0324	2774	14	10	7	6	5	2	2	1	2	3
	M0326	5801	30	20	15	12	10	3	3	2	4	6
M077	M0333	4277	22	15	11	9	8	3	2	2	3	5
	M0334	3570	18	12	9	8	6	2	2	2	3	4
359 sites		896,586	4674	3173	2430	1979	1678	637	544	484	749	1061

Prices

DRE: \$8,000	\$37,392,000	\$25,384,000	\$19,440,000	\$15,832,000	\$13,424,000
DRE: \$9,000	\$42,066,000	\$28,557,000	\$21,870,000	\$17,811,000	\$15,102,000
DRE: \$10,000	\$46,740,000	\$31,730,000	\$24,300,000	\$19,790,000	\$16,780,000

OpScan, BMD* Prices: \$5,500	\$3,503,500	\$2,992,000	\$2,662,000	\$4,119,500	\$5,835,500
OpScan, plus BMD for 1%:	\$7,623,000	\$7,111,500	\$6,781,500		
OpScan, plus BMD for 2%:	\$9,339,000	\$8,827,500	\$8,497,500		

*To calculate the number of BMDs (Ballot Marking Devices), we assumed that 20% of registered voters have disabilities, 50% of them wish to vote, and half of these will use absentee ballots and half vote at the pollsite. This yields 5% of registered voters who may wish to use BMDs. Of these, one or two fifth may use audio, sip&puff, or rocker paddles, which yields 1% or 2% of registered voters using these devices. The State Board of Elections assessed that voters using these attachments on BMDs to be used in 2006 required 30 to 45 minutes to vote. We used 37 minutes as the average for these voters. We estimated 5 minutes for the other three or four-fifth of voters with disabilities using BMDs. Then the total minutes use of BMD by the 5% of voters was divided by 900 minutes, which is the length of a 15-hour election day.

All cost reports: www.wheresthepaper.org/ny.html#costReports

This report: www.wheresthepaper.org/ManhattanCost_061106.pdf