

Cost of new voting equipment - Staten Island
 (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

Staten Island:			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
S301	00067	3008	16	11	8	7	6	2	2	2	2	3
	10006	3127	16	11	8	7	6	2	2	2	2	4
	10008	5332	27	18	14	11	9	3	3	2	4	6
	10010	5102	26	18	13	11	9	3	3	2	4	6
S302	10011	1772	9	6	5	4	3	1	1	1	2	2
	10012	2965	15	10	8	6	5	2	2	1	2	3
	10013	4674	24	16	12	10	8	3	2	2	3	5
	10023	3500	18	12	9	7	6	2	2	2	3	4
S303	10027	2043	11	7	6	5	4	2	1	1	2	3
	10181	5143	26	18	13	11	9	3	3	2	4	6
	10182	722	4	3	2	2	2	1	1	1	1	1
	10233	516	3	2	2	2	1	1	1	1	1	1
	10234	145	1	1	1	1	1	1	1	1	1	1
S304	10298	4508	23	16	12	10	8	3	2	2	3	5
	10299	2379	12	8	6	5	4	2	1	1	2	3
	10301	2831	15	10	8	6	5	2	2	1	2	3
	10341	2194	11	8	6	5	4	2	1	1	2	3
	10398	1264	7	5	4	3	3	1	1	1	1	2
S305	10417	3489	18	12	9	7	6	2	2	2	3	4
	10535	5300	27	18	14	11	9	3	3	2	4	6
	10574	1389	7	5	4	3	3	1	1	1	1	2
	10596	7888	40	27	20	16	14	4	4	3	5	8
S306	10599	1547	8	6	4	4	3	1	1	1	1	2
	10633	3540	18	12	9	8	6	2	2	2	3	4
	10634	3494	18	12	9	7	6	2	2	2	3	4
	10636	4667	24	16	12	10	8	3	2	2	3	5
	10637	70	1	1	1	1	1	1	1	1	1	1
S307	10699	55	1	1	1	1	1	1	1	1	1	1
	10700	85	1	1	1	1	1	1	1	1	1	1
	10701	56	1	1	1	1	1	1	1	1	1	1
	10702	106	1	1	1	1	1	1	1	1	1	1
	10703	41	1	1	1	1	1	1	1	1	1	1

Staten Island: 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
	10704	81	1	1	1	1	1	1	1	1	1	1
S308	10705	80	1	1	1	1	1	1	1	1	1	1
	10706	71	1	1	1	1	1	1	1	1	1	1
	10707	37	1	1	1	1	1	1	1	1	1	1
	10708	53	1	1	1	1	1	1	1	1	1	1
	10709	2392	12	8	6	5	4	2	1	1	2	3
	10728	1804	10	7	5	4	4	1	1	1	2	2
S309	10858	3121	16	11	8	7	6	2	2	2	2	4
	10994	1310	7	5	4	3	3	1	1	1	1	2
	11005	3648	19	13	10	8	7	2	2	2	3	4
	11012	615	4	3	2	2	2	1	1	1	1	1
	S0001	3716	19	13	10	8	7	2	2	2	3	4
S310	S0003	2166	11	8	6	5	4	2	1	1	2	3
	S0004	5158	26	18	13	11	9	3	3	2	4	6
	S0005	1332	7	5	4	3	3	1	1	1	1	2
	S0006	3793	19	13	10	8	7	2	2	2	3	4
S311	S0009	248	2	1	1	1	1	1	1	1	1	1
	S0011	4206	22	15	11	9	8	3	2	2	3	5
	S0014	2850	15	10	8	6	5	2	2	1	2	3
	S0017	3204	17	11	9	7	6	2	2	2	3	4
	S0020	1111	6	4	3	3	2	1	1	1	1	2
S312	S0022	5583	28	19	14	12	10	3	3	2	4	6
	S0023	4822	25	17	13	10	9	3	2	2	4	5
	S0024	2198	11	8	6	5	4	2	1	1	2	3
	S0025	598	3	2	2	2	1	1	1	1	1	1
S313	S0026	2263	12	8	6	5	4	2	1	1	2	3
	S0029	4468	23	15	12	9	8	3	2	2	3	5
	S0030	617	4	3	2	2	2	1	1	1	1	1
	S0032	5914	30	20	15	12	10	3	3	2	4	6
S314	S0034	6048	31	21	16	13	11	4	3	3	4	6
	S0035	4288	22	15	11	9	8	3	2	2	3	5
	S0040	2367	12	8	6	5	4	2	1	1	2	3
	S0043	4204	22	15	11	9	8	3	2	2	3	5
S315	S0045	3427	18	12	9	7	6	2	2	2	3	4
	S0046	1301	7	5	4	3	3	1	1	1	1	2
	S0047	1772	9	6	5	4	3	1	1	1	2	2
	S0048	6568	33	22	17	14	11	4	3	3	5	7

Staten Island: 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
S316	S0050	2309	12	8	6	5	4	2	1	1	2	3
	S0052	2179	11	8	6	5	4	2	1	1	2	3
	S0054	220	2	1	1	1	1	1	1	1	1	1
	S0055	2372	12	8	6	5	4	2	1	1	2	3
	S0056	3502	18	12	9	8	6	2	2	2	3	4
S317	S0057	2166	11	8	6	5	4	2	1	1	2	3
	S0058	1502	8	6	4	4	3	1	1	1	1	2
	S0059	4458	23	15	12	9	8	3	2	2	3	5
	S0061	3097	16	11	8	7	6	2	2	2	2	4
S318	S0062	4877	25	17	13	10	9	3	2	2	4	5
	S0071	2666	14	9	7	6	5	2	2	1	2	3
	S0072	1499	8	5	4	3	3	1	1	1	1	2
	S0073	2329	12	8	6	5	4	2	1	1	2	3
S319	S0074	5803	30	20	15	12	10	3	3	2	4	6
	S0075	4843	25	17	13	10	9	3	2	2	4	5
	S0076	3963	20	14	10	8	7	2	2	2	3	4
S320	S0078	5241	27	18	14	11	9	3	3	2	4	6
	S0082	743	4	3	2	2	2	1	1	1	1	1
87 sites		234,155	1215	828	630	517	437	168	142	128	196	284

Prices	
DRE: \$8,000	\$9,720,000 \$6,624,000 \$5,040,000 \$4,136,000 \$3,496,000
DRE: \$9,000	\$10,935,000 \$7,452,000 \$5,670,000 \$4,653,000 \$3,933,000
DRE: \$10,000	\$12,150,000 \$8,280,000 \$6,300,000 \$5,170,000 \$4,370,000

OpScan, BMD* Prices:	\$5,500	\$924,000	\$781,000	\$704,000	\$1,078,000	\$1,562,000
OpScan, plus BMD for 1%:		\$2,002,000	\$1,859,000	\$1,782,000		
OpScan, plus BMD for 2%:		\$2,486,000	\$2,343,000	\$2,266,000		

*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/StatenIslandCost_061106.pdf