

Number of Voters Served

(per DRE, per 900 min. election day, assuming .5% of voters use audio, sip&puff, or rocker paddles)

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Each DRE is purchased to serve this number reg. voters	Election Day Turnout Poll-site Voters		Voters with Disabilities using these devices estimate .5% of turnout*		Voters wo Disabilities estimate 99.5% of turnout		Total Minutes:
	Percentage	Number	Number	37 min* each Minutes:	Number	4 min. each Minutes:	
200	50	100	1	37	99	396	433
	60	120	1	37	119	476	513
	70	140	1	37	139	556	593
	80	160	1	37	159	636	673
300	50	150	1	37	149	596	633
	60	180	1	37	179	716	753
	70	210	2	74	208	832	906
	80	240	2	74	238	952	1026
400	50	200	1	37	199	796	833
	60	240	2	74	238	952	1026
	70	280	2	74	278	1112	1186
	80	320	2	74	318	1272	1346
500	50	250	2	74	248	992	1066
	60	300	2	74	298	1192	1266
	70	350	2	74	348	1392	1466
	80	400	2	74	398	1592	1666
600	50	300	2	74	298	1192	1266
	60	360	2	74	358	1432	1506
	70	420	3	111	417	1668	1779
	80	480	3	111	477	1908	2019

Two Alternative Estimates of Time			
Voters wo dis 3.25** min ea Min:	Total Min:	Voters wo dis 5 min. each Min:	Total Min:
322	359	495	532
387	424	595	632
452	489	695	732
517	554	795	832
485	522	745	782
582	619	895	932
676	750	1040	1114
774	848	1190	1264
647	684	995	1032
774	848	1190	1264
904	978	1390	1464
1034	1108	1590	1664
806	880	1240	1314
969	1043	1490	1564
1131	1205	1740	1814
1294	1368	1990	2064
969	1043	1490	1564
1164	1238	1790	1864
1356	1467	2085	2196
1551	1662	2385	2496

*The pollsite turnout of voters with disabilities who will wish to vote via DRE assistive devices is unpredictable. Disability advocates in NYC say that 20% of voters have disabilities that prevent them from voting without direct human assistance on our current lever machines, and assert that, if we have DREs with assistive devices, these voters would choose to use them. In other jurisdictions the turnout of such voters has been low, in some cases as low as zero.

This chart assumes .5% of registered voters (rounded up to the next whole number for any fraction) who vote at the pollsite will choose to use DRE audio, sip&puff, or rocker paddles to vote. It assumes these voters will require an average of 37 minutes each to vote, which is halfway between the State Board of Elections' assessment that BMDs (Ballot Marking Devices) for use in 2006 required 30 to 45 minutes per voter who used such accessible features of the BMD.

**NYC BOE Voters Per Machine Report v-34.2.doc of 8/21/06 estimated that voters without disabilities would average 3 min 15 seconds to vote on DREs.

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

This page: www.wheresthepaper.org/NumVotersServedHalf.pdf

Number of Voters Served, .5% need 37 minutes