

GEORGIA VOTING SYSTEM PROJECTED COSTS

DEVICES & SOFTWARE	Bulk Price	Bulk Price	HAND MARKED PAPER BALLOTS			HAND MARKED PAPER BALLOTS W/ BALLOT ON DEMAND PRINTERS			BALLOT MARKING DEVICES		
	Minimum	Maximum	# Devices	Minimum \$	Maximum \$	# Devices	Minimum \$	Maximum \$	# Devices	Minimum \$	Maximum \$
Electronic Poll Book	\$1,000	\$2,000	4,730	\$4,730,000	\$9,460,000	4,730	\$4,730,000	\$9,460,000	4,730	\$4,730,000	\$9,460,000
Ballot Marking Device	\$3,500	\$4,000	2,365	\$8,277,500	\$9,460,000	2,365	\$8,277,500	\$9,460,000	30,745	\$107,607,500	\$122,980,000
On Demand Ballot System	\$4,000	\$5,000	0	\$0	\$0	4,730	\$18,920,000	\$23,650,000	0	\$0	\$0
Precinct Scanner	\$4,000	\$6,000	4,730	\$18,920,000	\$28,380,000	4,730	\$18,920,000	\$28,380,000	4,730	\$18,920,000	\$28,380,000
County Tabulation Server	\$15,000	\$20,000	160	\$2,400,000	\$3,200,000	160	\$2,400,000	\$3,200,000	160	\$2,400,000	\$3,200,000
Per Device Personnel Training	\$100	\$150	11,985	\$1,198,500	\$1,797,750	16,715	\$1,671,500	\$2,507,250	40,365	\$4,036,500	\$6,054,750
INITIAL PURCHASE COSTS				\$35,526,000	\$52,297,750		\$54,919,000	\$76,657,250		\$137,694,000	\$170,074,750
			INITIAL SAVINGS		\$102,168,000	\$117,777,000	\$82,775,000	\$93,417,500			
Per Device Ballot Testing	\$100	\$150	11,825	\$1,182,500	\$1,773,750	16,555	\$1,655,500	\$2,483,250	40,205	\$4,020,500	\$6,030,750
Per Device Maintenance	\$200	\$300	11,825	\$2,365,000	\$3,547,500	16,555	\$3,311,000	\$4,966,500	40,205	\$8,041,000	\$12,061,500
Per Device Election Logistics	\$50	\$75	11,825	\$591,250	\$886,875	16,555	\$827,750	\$1,241,625	40,205	\$2,010,250	\$3,015,375
Per Device Election Services	\$25	\$50	11,825	\$295,625	\$591,250	16,555	\$413,875	\$827,750	40,205	\$1,005,125	\$2,010,250
Per Paper Ballot Printing	\$0.20	\$0.45	0	\$0	\$0	3,000,000	\$600,000	\$1,350,000	3,000,000	\$600,000	\$1,350,000
Per Paper Ballot Pre-Printing	\$0.40	\$0.40	3,600,000	\$1,440,000	\$1,440,000	0	\$0	\$0	0	\$0	\$0
Pre Print Admin/Distribution	\$0.10	\$0.20	3,600,000	\$360,000	\$720,000	0	\$0	\$0	0	\$0	\$0
ANNUAL ONGOING EXPENSES				\$6,234,375	\$8,959,375		\$6,808,125	\$10,869,125		\$15,676,875	\$24,467,875
			ANNUAL SAVINGS		\$9,442,500	\$15,508,500	\$8,868,750	\$13,598,750			

Variables	Count
# Counties + SOS:	160
#Precincts:	2,365
Annual Average Ballots Cast	3,000,000
Pre-Printed Ballot Waste	20%
Scanners Per Precinct	2
Poll Books Per Precinct	2
BOD Systems Per BOD Precinct	2
BMDs Per HMPB Precinct	1
BMDs Per BMD Precinct	13

Assumptions

- 1.- Spreadsheet accounts for cost differences in types of voting systems but not all election costs
- 2.- Estimates include new pollbook system that integrates with electronic BMDs or BOD systems
- 3.- Estimates include tabulation and ballot building server for each county and one central site
- 4.- Estimates must include a percentage of backup scanners for precincts in case of malfunctions
- 5.- At least one BMD is needed at each precinct in HMPB estimate to provide assistive technology
- 6.- At least two BOD systems are needed at each precinct in BOD estimate in case of malfunction
- 7.- At least 10% more BMDs than DREs are needed in BMD estimate for voter ballot printing time

BMD = Electronic Ballot Marking Device

BOD = Ballot on Demand System

DRE = Direct Recording Electronic