A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	294	Registered voters per poll site
The number of polling places	12	440
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	66.86%
The number of registered voters in the County	5277	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	3528
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	588	167
Total seconds needed to count all contests per polling place at 10 seconds per contest =	5880	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	1.63	3695
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	48	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$784.00	70.03%

Hamilton County, NY- Forecast November 2008

Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	690	Registered voters per poll site
The number of polling places	53	1080
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	63.92%
The number of registered voters in the County	57214	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	36570
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1380	1735
Total seconds needed to count all contests per polling place at 10 seconds per contest =	13800	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	3.83	38305
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	212	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$8,126.67	66.95%
Chemung County, NY- Forecast November 2008		
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A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	732	Registered voters per poll site
The number of polling places	97	1146
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	63.88%
The number of registered voters in the County	111156	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	71004
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1464	3369
Total seconds needed to count all contests per polling place at 10 seconds per contest =	14640	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	4.07	74373
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	388	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$15,778.67	66.91%
Rensselaer County, NY- Forecast November 2008		
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A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	730	Registered voters per poll site
The number of polling places	118	1111
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	65.70%
The number of registered voters in the County	131116	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	86140
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1460	4087
Total seconds needed to count all contests per polling place at 10 seconds per contest =	14600	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	4.06	90227
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	472	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$19,142.22	68.81%
Ulster County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	922	Registered voters per poll site
The number of polling places	134	1371
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	67.27%
The number of registered voters in the County	183665	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	123548
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1844	5862
Total seconds needed to count all contests per polling place at 10 seconds per contest =	18440	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	5.12	129410
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	536	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$27,455.11	70.46%
Dutchess County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	711	Registered voters per poll site
The number of polling places	191	1095
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	64.96%
The number of registered voters in the County	209069	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	135801
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1422	6444
Total seconds needed to count all contests per polling place at 10 seconds per contest =	14220	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	3.95	142245
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	764	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$30,178.00	68.04%
Albany County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	596	Registered voters per poll site
The number of polling places	250	1055
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	56.48%
The number of registered voters in the County	263816	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	149000
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1192	7070
Total seconds needed to count all contests per polling place at 10 seconds per contest =	11920	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	3.31	156070
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	1000	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$33,111.11	59.16%
Richmond County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots		
Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	1023	Registered voters per poll site
The number of polling places	405	1614
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	63.39%
The number of registered voters in the County	653561	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	414315
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	2046	19659
Total seconds needed to count all contests per polling place at 10 seconds per contest =	20460	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	5.68	433974
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	1620	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$92,070.00	66.40%
Westchester County, NY- Forecast November 2008		
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A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	538	Registered voters per poll site
The number of polling places	595	1146
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	46.96%
The number of registered voters in the County	681725	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	320110
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1076	15189
Total seconds needed to count all contests per polling place at 10 seconds per contest =	10760	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	2.99	335299
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	2380	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$71,135.56	49.18%
Bronx County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	1052	Registered voters per poll site
The number of polling places	428	1635
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	64.34%
The number of registered voters in the County	699762	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	450256
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	2104	21364
Total seconds needed to count all contests per polling place at 10 seconds per contest =	21040	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	5.84	471620
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	1712	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$100,056.89	67.40%
Erie County, NY- Forecast November 2008		
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A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	1727	Registered voters per poll site
The number of polling places	352	2681
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	64.43%
The number of registered voters in the County	943578	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	607904
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	3454	28845
Total seconds needed to count all contests per polling place at 10 seconds per contest =	34540	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	9.59	636749
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	1408	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$135,089.78	67.48%
Suffolk County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	1590	Registered voters per poll site
The number of polling places	392	2464
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	64.52%
The number of registered voters in the County	965954	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	623280
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	3180	29574
Total seconds needed to count all contests per polling place at 10 seconds per contest =	31800	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	8.83	652854
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	1568	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$138,506.67	67.59%
Nassau County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

Replace numbers in column B to reflect your local election conditions - forecasts will update automatically		
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	606	Registered voters per poll site
The number of polling places	910	1129
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	53.68%
The number of registered voters in the County	1027354	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	551460
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	1212	26166
Total seconds needed to count all contests per polling place at 10 seconds per contest =	12120	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	3.37	577626
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	3640	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$122,546.67	56.22%
Queens County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

	B	
The number of seconds needed to count each contest on each ballot (includes 20 minutes training)	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	436	Registered voters per poll site
The number of polling places	1369	796
The % of ballots cast at polling places	95.47	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	4.53	54.78%
The number of registered voters in the County	1089510	
The number of paid counters/observers per counting team	4	Total ballots cast, all precincts
The hourly pay rate per counter/observer, in dollars	10	596884
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, mail-in
Total contests to count (contests per ballot x ballots cast per polling place) =	872	28322
Total seconds needed to count all contests per polling place at 10 seconds per contest =	8720	Total ballots cast Countywide
The number of hours a four-person team is needed for counting on election night	2.42	625206
Paid counters/observers needed Countywide, if all poll sites use only one counting team =	5476	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$132,640.89	57.38%
New York County, NY- Forecast November 2008		
Check for the most current version of this spreadsheet tool at: http://tinyurl.com/2dgt82		

A Calculation Tool Estimating Labor, Time and Wages For Hand-Counting Paper Ballots

The number of seconds needed to count each contest on each ballot	10	
The average number of contests on the ballot	2	
The average number of ballots cast per polling place	325	Registered voters per poll site
The number of polling places	1255	1063
The % of ballots cast at polling places	60	Precinct turnout
The % of absentee ballots cast (this auto-fills to make 100%)	40	30.56%
The number of registered voters in the County	1334513	
The number of hours needed for counting on election night	4	
The number of paid counters/observers per counting team	4	
The hourly pay rate per counter/observer, in dollars	10	
Formula estimates labor, cost and time to hand-count paper ballots in the polling place on election night		Total ballots cast, all precincts
Available time for counting (in seconds) = (4 hours x 60 minutes x 60 seconds) - 20 minutes training =	13200	407875
Total contests to count (contests per ballot x ballots cast per polling place) =	650	Total ballots cast, mail-in
Total seconds needed to count all contests per polling place at 10 seconds per contest =	6500	271917
Teams needed per polling place (divide time needed by time available per team) =	1	Total ballots cast Countywide
Paid counters/observers needed per polling place =	4	679792
Paid counters/observers needed Countywide =	5020	Voter turnout
Total (potential) payroll (counters/observers are encouraged to decline the stipend) =	$200,800.00	50.94%

Kings County, NY- Forecast November 2008