

York 2016 Statewide Runoff Audit Report

York Ballot Audit Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 10:47:38, Thu Jun 30, 2016

Prec Nber	Precinct Name	EL30A			Audit					Comments
		Total	M100	M650	iVo	iVo	Opt	Man	Delta	
0006	Bullocks Creek	2	0	0	2	2	0	0	0	
0007	Cannon Mill	14	0	0	14	14	0	0	0	
0008	Catawba	36	0	0	36	36	0	0	0	
0012	Delphia	12	0	0	12	12	0	0	0	
0014	Filbert	13	0	0	13	13	0	0	0	
0022	McConells	38	0	0	38	38	0	0	0	
0023	Mt. Holly	75	0	0	75	75	0	0	0	
0028	Ogden	56	0	0	56	56	0	0	0	
0031	Rock Hill No. 2	67	0	0	67	67	0	0	0	
0032	Rock Hill No. 3	157	0	0	157	157	0	0	0	
0035	Rock Hill No. 6	29	0	0	29	29	0	0	0	
0037	Rock Hill No. 8	43	0	0	43	43	0	0	0	
0041	York No. 1	71	0	0	71	71	0	0	0	
0042	York No. 2	44	0	0	44	44	0	0	0	
0044	Edgewood	134	0	0	134	134	0	0	0	
0047	Lesslie	9	0	0	9	9	0	0	0	
0076	Ferry Branch	1	0	0	1	1	0	0	0	
0085	Six Mile	6	0	0	6	6	0	0	0	
Precincts Total:		807	0	0	807	807	0	0	0	
0750	Absentee	198	159	0	39	39	159	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	1	0	0	1	1	0	0	0	
0900	Provisional	4	4	0	0	0	4	0	0	
Virtual Precincts Total:		203	163	0	40	40	163	0	0	
Grand Total:		1010	163	0	847	847	163	0	0	

NOTE: Any manual entries shown on this report are supported by the Manual Entry Log (EL68).

Auditor's Comments:

Total number of iVotronic ballots cast containing no votes: 10  
 The following precincts have no ballots cast in them: Emergency

This audit is complete with no exceptions.  
 One provisional ballot was removed causing the delta in the Box Report below.

EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots.

+-----+-----+-----+

York 2016 Statewide Runoff Audit Report

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots
847	847	848
Delta from EL30A	0	1
	Delta from EL155	1
	Cast By Voter	848
	Cast By Poll Wkr	0
	Blank Cast by PW	0
	Cancelled Ballots	8
	Wrong Ballot	1
	Voter Left AB	0
	Voter Left BB	0
	Voter Request	1
	Printer Problem	0
	Terminal Problem	0
	Other Reason	6

(AB = After ballot selected by poll worker.)  
 (BB = Before ballot selected by poll worker.)

Optical Ballot Balance Table

York county utilizes two scanners to record optical ballots, a M650 scanner and a M100 scanner. The optical ballots shown above are the total of both scanners for each precinct. The next section of this report displays the ballot count from each scanner.

Prec Number	Prec Name	Total Optical Votes	M650 Votes	M100 Votes
0750	Absentee	159	0	159
0900	Provisional	4	0	4
Total Optical Counts		163	0	163

Number of audio (ADA) events in this election: 0

Note: The following machines(s) have audit records but no ballots were cast on them: 5117509, 5124610, 5125577, 5127237, 5127852, 5128510, 5129319, 5130715, 5135655, 5136244, 5140539, 5146004, 5146558  
 Because they do not have ballots cast, they cannot be matched to a precinct. This is not an issue as long as the EL30A Ivo Ballots, the EL155 Ballots and the EL152 Ballots match in the table immediately above.

How to read this report.

This is the ballot level report. It compares the number of ballots cast in the tabulation report, the EL30A with the number of ballots cast in the audit data.

## York 2016 Statewide Runoff Audit Report

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precinct line values.

The Opt totals are the total number of ballots cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into two master audit files, the EL155 Vote image log and the EL152 iVotronic event log. The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine. Counting the number of asterisks in a precinct we get the number of ballots cast in that precinct. That number should always match the number in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total does not match the EL30A Total value, the auditor is prompted to read the paper report from the optical scanner and enter the total ballots cast into the auditing program.

If the sum of the audit iVotronic and Optical ballots cast still do not match the EL30A total value, then the audit software reads the EL68 Manual Entry log for any changes made in that precinct to either the iVo or Opt totals by the CEC staff. It displays any manual entries to the auditor for inclusion into the totals. If accepted by the auditor these entries are automatically added to the Man column from the Manual Entry log.

Finally, the audit software calculates the Delta value which should be zero unless the sum of the iVo, the Opt and the Man do not match the EL30A Total column. If the Delta is greater than zero then audit data is missing. A comment will be placed on that line in the report indicating missing audit data. If the Delta value is less than zero then there are more ballots in the audit data than there are in the tabulated data and a comment will be placed on that line in the report.

Wherever possible, the audit system will attempt to indicate where the difference is by displaying the iVotronic machine numbers and the number of ballots cast on that machine that exist in the audit data. In the case of missing tabulated data, it might be possible to identify a machine that has the same number of ballots cast as the delta value and that number and ballot count will be highlighted with a < sign. If there is a non zero Delta value there will be an entry by the auditor explaining the variance.

Finally, there is a EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots table in the report. This table should indicate that the number ballots cast in the EL30A match the numbers in the EL155 and the EL152 report. Then there are some statistics pulled from the EL152 report that indicate how many ballots were cast by the voter and the number cast by the poll worker. Lastly the number of ballots that

York 2016 Statewide Runoff Audit Report

were cancelled and the reason they were cancelled. It should be noted that the reason cancelled is chosen from a pull down menu presented to the poll worker when a ballot is cancelled, there is no way to validate the poll worker's choice.

York Vote Level Audit Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 10:56:55, Thu Jun 30, 2016

Precinct Number / Name Office	Candidate	Party	EL30A			Audit		Comments
			Total	M100	M650	iVo	iVo	
0006 Bulllocks Creek State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		0 2	0 0	0 0	0 2	* No Audit Data expected or found 2	0 0
0007 Cannon Mill State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		4 10	0 0	0 0	4 10	4 10	0 0
0008 Catawba State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		13 23	0 0	0 0	13 23	13 23	0 0
0012 Delphia State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		5 7	0 0	0 0	5 7	5 7	0 0
0014 Filbert State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		4 9	0 0	0 0	4 9	4 9	0 0
0022 McConells State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		7 31	0 0	0 0	7 31	7 31	0 0
0023 Mt. Holly State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		25 49	0 0	0 0	25 49	25 49	0 0
0028 Ogden State Senate District 17 State Senate District 17	Creighton B Coleman Mike Fanning		11 45	0 0	0 0	11 45	11 45	0 0
0031 Rock Hill No. 2								

York 2016 Statewide Runoff Audit Report

State Senate District 17	Creighton B Coleman	36	0	0	36	36	0
State Senate District 17	Mike Fanning	29	0	0	29	29	0
0032 Rock Hill No. 3							
State Senate District 17	Creighton B Coleman	57	0	0	57	57	0
State Senate District 17	Mike Fanning	100	0	0	100	100	0
0035 Rock Hill No. 6							
State Senate District 17	Creighton B Coleman	8	0	0	8	8	0
State Senate District 17	Mike Fanning	21	0	0	21	21	0
0037 Rock Hill No. 8							
State Senate District 17	Creighton B Coleman	14	0	0	14	14	0
State Senate District 17	Mike Fanning	27	0	0	27	27	0
0041 York No. 1							
State Senate District 17	Creighton B Coleman	20	0	0	20	20	0
State Senate District 17	Mike Fanning	48	0	0	48	48	0
0042 York No. 2							
State Senate District 17	Creighton B Coleman	13	0	0	13	13	0
State Senate District 17	Mike Fanning	30	0	0	30	30	0
0044 Edgewood							
State Senate District 17	Creighton B Coleman	61	0	0	61	61	0
State Senate District 17	Mike Fanning	72	0	0	72	72	0
0047 Leslie							
State Senate District 17	Creighton B Coleman	1	0	0	1	1	0
State Senate District 17	Mike Fanning	8	0	0	8	8	0
0076 Ferry Branch							
State Senate District 17	Creighton B Coleman	0	0	0	0	0	* No Audit Data expected or found
State Senate District 17	Mike Fanning	1	0	0	1	1	0
0085 Six Mile							
State Senate District 17	Creighton B Coleman	5	0	0	5	5	0
State Senate District 17	Mike Fanning	1	0	0	1	1	0
0750 Absentee							
State Senate District 17	Creighton B Coleman	68	0	64	4	64	0
State Senate District 17	Mike Fanning	130	0	95	35	95	0
0800 Emergency							
State Senate District 17	Creighton B Coleman	0	0	0	0	0	* No Audit Data expected or found
State Senate District 17	Mike Fanning	0	0	0	0	0	* No Audit Data expected or found
0850 Fallsafe							

York 2016 Statewide Runoff Audit Report

State Senate District 17	Creighton B Coleman	0	0	0	0	* No Audit Data expected or found
State Senate District 17	Mike Fanning	1	0	0	1	1 0
0900 Provisional						
State Senate District 17	Creighton B Coleman	1	0	1	0	1 0
State Senate District 17	Mike Fanning	3	0	3	0	3 0

There was no unmatched audit data

How to read this report.

This is the vote level report. It compares the number of votes cast for each candidate in the tabulation report with the number of ballots cast in the audit data for each candidates in each precinct.

The tabulated values as read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. In the EL30A report all Write-in votes are added together and reported as one candidate name - Write-in. The EL30A does not report individual Write-in candidates.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into a master audit file, the EL155 Vote image log.

The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine counting the number of times a candidate name for a contest appears in a precinct we get the number of votes cast in that precinct for that candidates. That number should always match the number of votes cast for that candidate in that contest in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total votes does not match the EL30A iVo value one of two things will occur. The first is if the iVotronic tabulated is zero and the Total tabulated votes match the tabulated Optical votes the following comment is made in the Audit side of the report; All votes cast for this candidate in this precinct are optical No Audit Data for optical, or secondly, if the iVotronic total is not zero, a notation indicating which data Audit data

York 2016 Statewide Runoff Audit Report

In the event a candidate or the combined Write-in candidates did not receive any votes in a precinct the EL30A will report a zero vote count. If there are no votes for this candidate in a precinct in the audit data, the following comment will be placed into the audit report by the auditing software; No Audit Data expected or found.

Finally the audit software will search the audit data for any votes that were not found on the EL30A report. If it finds some, it will report those vote totals by contest, candidate name and precinct. if it does not find any unmatched audit data it will report; There was no unmatched audit data

-----  
 York EL30A45A Comparison Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 11:18:30, Thu Jun 30, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
State Senate District 17	Creighton B Coleman		353	0	65	288	353	0	65	288	0
State Senate District 17	Mike Fanning		647	0	98	549	647	0	98	549	0

How to read this report.

This is EL30A EL45A Crosscheck Report. It sums each candidates vote totals in each precinct in the EL30A Precinct Detail Report and compares it to the EL45A Election Summary Report that contains the tabulated total for each candidate in the county.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precince line values.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values read from the EL45A report are reported in same four categories; Total, Optical (Opt),

York 2016 Statewide Runoff Audit Report

iVotronic (iVo) and Flash as the EL30A. Like the EL30A they are parsed from the actual EL45A report. The summary candidate totals are compared against the calculated sums for each candidate from, the EL30A report. Each of the values in each line on the EL30A side must match the same value on the EL45A side and the Delta value must be zero.

-----  
York PEB Use Report

Electi on: 2016 Statewi de Runoff

Audi t Date: 10: 47: 38, Thu Jun 30, 2016

Preci nct	PEBs Used	Comments
Bul l ocks Creek	207132	
Cannon Mill	148560	
Catawba	148963	
Del phi a	150558	
Fi l bert	148713	
McConnel l s	148825	
Mt. Holly	148596	
Ogden	138174	
Rock Hill No. 2	206694	
Rock Hill No. 3	151236	
Rock Hill No. 6	150410	
Rock Hill No. 8	138798	
York No. 1	148646	
York No. 2	150645	
Edgewood	150694	
Lesslie	150425	
Ferry Branch	150092	
Si x Mile	151571	
Absentee	148539	
Fai l safe	148539	

20 precincts processed

The following precinct(s) have no ballots cast in them: Emergency

Note: if there are no ballots cast in a precinct the machines in that precinct cannot be identified so these precinct(s) will not appear in this report.

How to read this report.

This is the PEB Used report. It lists the precincts found in the Audit data and lists all the PEBs that were used by the poll workers to open and close the iVotronic machines in that precinct.



York 2016 Statewide Runoff Audit Report

If more than one PEB is used to open and close all the iVotronic machines in a precinct, then the County Election Commission must read ALL the PEBs used in that precinct to assure that they have collected all the ballots from that precinct. A county whose report shows a precinct that has machines open or closed by more than one PEB should double check the Ballot Audit Report against the iVotronic paper tapes and the Poll Book to make sure that all the ballots have been collected and tabulated.

-----  
 York PEB Exceptions Report  
 Election: 2016 Statewide Runoff  
 Election date: 06/28/2016  
 Audit Date: 10:47:38, Thu Jun 30, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5130361	148539	06/20/2016 12:33:06	148539	06/28/2016 19:03:29	>>Open Date<<	Absentee - 30
5130361	148539	06/20/2016 12:33:06	148539	06/28/2016 19:03:29	Open Time	Absentee - 30
5131886	148539	06/20/2016 12:30:33	148539	06/28/2016 19:01:18	>>Open Date<<	Absentee - 9
						Fail safe - 1
5131886	148539	06/20/2016 12:30:33	148539	06/28/2016 19:01:18	Open Time	Absentee - 9
						Fail safe - 1

The following machines(s) have audit records but no ballots were cast on them: 5117509, 5124610, 5125577, 5127237, 5127852, 5128510, 5129319, 5130715, 5135655, 5136244, 5140539, 5146004, 5146558  
 Because they do not have ballots cast, they cannot be matched to a precinct.

How to read this report.

This is the PEB Exceptions Report. It checks for the following conditions in the iVotronic Event Log;

- 1: A machine that was opened and closed by different PEBs
- 2: A Machine that was not opened on Election Date - could be either an absentee or test machine
- 3: A Machine that was not closed on Election Date - could have had problem closing
- 4: A Machine that was not opened by 7 am - note most Absentee machines will show up here
- 5: A Machine that was closed before 7pm - polls close at 7 PM
- 6: A Machine that was not closed ever.
- 7: A machine that has no ballots cast on it.

Each of the events above detected are reported on a separate line, each line contains the following information: iVotronic machine number, Opening PEB Number, Open Time, Closing PEB Number, Closing Time, the Exception Type and the Precinct and the Ballots Cast on that machine.

Absentee and Fail safe precinct machines are opened during the middle of the day several days before the election date

York 2016 Statewide Runoff Audit Report

of 06/28/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.