

COMMONWEALTH OF PENNSYLVANIA TEST PROTOCOL

FOR

RE-EXAMINATION OF
SEQUOIA VOTING SYSTEMS
AVC ADVANTAGE 10 AND WINEDS 3.1.074

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1.0 INTRODUCTION

The primary purpose of the re-examination is to confirm that the Dominion Voting Systems AVC Advantage 10 Voting System and WinEDS 3.1.074 meets the requirements of Article XI-A of the Pennsylvania Election Code, sections 1101-A to 1122-A, 25 P.S. §§ 3031.1 – 3031.22. This re-examination is being performed per the direction of the Secretary of the Commonwealth, acting through the Pennsylvania Department of State, Bureau of Commissions, Elections and Legislation. This re-examination will commence on March 6, 2012, at the following location:

Commonwealth Keystone Building Hearing Room 1 400 North Street Harrisburg, Pennsylvania

The daily duration of this re-examination will be from 9:00 A.M. until 5:00 P.M. Eastern Standard Time unless a representative of the Secretary of the Commonwealth requests an extension, suspension, or a halt in testing.

1.1 References

The documents listed below were used in the development of the Test Protocol.

- Article XI-A of the Pennsylvania Election Code, sections 1101-A to 1122-A, 25 P.S. §§ 3031.1 3031.22
- Federal Election Commission 2002 Voting Systems Standards
- Help America Vote Act (HAVA) of 2002, Public Law 107-252, 42 U.S.C. § 15301 et seq.
- Sequoia Voting Systems AVC Advantage 10 System Overview, Version 1.02, dated July 2006

1.2 Terms and Abbreviation

This subsection lists terms and abbreviations relevant to this re-examination

"ADA" – Americans with Disabilities Act

"COTS" - Commercial Off-The-Shelf

"Department" – Pennsylvania Department of State

"DRE" – Direct Recording Electronic

"EAC" - Election Assistance Commission

"EMS" - Election Management System

"Examiner" – The examiner appointed by the Secretary of the Commonwealth to conduct the reexamination "FEC" - Federal Election Commission

"ITA" - Independent Testing Authority

"PA" - The Commonwealth of Pennsylvania

"Pennsylvania Election Code" - Article XI-A of the Pennsylvania Election Code, sections 1101-A to 1122-A, 25 P.S. §§ 3031.1 – 3031.22

"Secretary" – The Secretary of the Commonwealth

"TDP" - Technical Data Package

"VSS" – Federal Election Commission 2002 Voting System Standards

"VVSG" - Election Assistance Commission 2005 Voluntary Voting System Guidelines

1.3 Background

The Dominion Voting Systems AVC Advantage 10 Voting System and WinEDS 3.1.074 were certified for use in the Commonwealth of Pennsylvania on May 2, 2006, after an examination conducted pursuant to the Pennsylvania Election Code. The Sequoia AVC Advantage 10 and WinEDS have been in use by Pennsylvania counties since their initial certification. Pursuant to section 1105-A of the Pennsylvania Election Code, 25 P.S. § 3031.5, a group of Pennsylvania voters formally requested that the Secretary conduct a re-examination of the Dominion AVC Advantage 10. The Secretary granted the request.

The Test Protocol was developed to ascertain whether the certified electronic voting system complies with the requirements set forth in the Pennsylvania Election Code.

2.0 TEST ITEMS

This section contains detailed descriptions of the items tested during the re-examination, including all software, hardware, and peripherals, both proprietary and COTS, and any test support equipment or materials necessary for test performance. The following diagram illustrates the Dominion AVC Advantage 10 requirements.

2.1 Software

This subsection contains a listing of the software and firmware being evaluated.

Table 2.1 Software

Component Name	Version	Unique Identifier (digital signature or hash value)
Advantage Firmware	10.3.5	TBD
I/O Firmware	10.3	TBD
WinEDS	3.1.074	TBD

2.2 Hardware

This subsection contains a listing of the hardware being evaluated.

Table 2.2 Hardware

Component Name	Model Number	Revision Number	Description
AVC Advantage	D-10	N/A	A Direct Record Electronic voting machine is comprised of the following components: Main CPU An embedded AMD Elan SC400 based system running ROM-DOS. I/O Processor The original Z80 CPU. It manages I/O devices and communicates via a dedicated serial port with the Main CPU. Voter Panel Contains all the selection and display devices for the voter, including: an array of switches to select candidates, write-in module, cast vote switch, and a booth light. Operator Panel Contains all the selection and display devices for the maintenance or poll worker, including: switches and LEDs to select and display options, LCD message display, and indicators for power and low battery. As well as a power supply and report printer.
Audio Voting Accessory	Audio Box	Rev C	Optional audio voting interface.

2.3 Peripherals

This subsection contains detailed descriptions of optional equipment used by the system being evaluated.

Table 2.3 Peripherals

Part Name	Model Number	Revision Number	Description
Cartridges	COTS Read/Write PCMCIA card	N/A	PC card memory device used for storing and transporting election information, cast vote records, and audit data.
Desktop Printer	Various	N/A	COTS Printer to print EMS reports

2.4 Test Support Equipment/Materials

This subsection contains detailed descriptions of the test support equipment and materials needed to perform the required testing.

The Examiner will provide a tape measure (to be used in Test Case 1), Test Execution Logs, and a digital camera for test documentation. The re-examination will be video recorded by the Department.

The voting system manufacturer must provide an EMS system currently certified for use in Pennsylvania loaded with the closed primary and general-election definitions (Appendix A). These election definitions are the ballot configurations that will be used throughout the re-examination. The manufacturer is responsible for providing the Department and the Examiner with technical staff to support the re-examination. The manufacturer must provide three precinct-tabulation devices for each voting system being examined. The manufacturer must be prepared to load the firmware for each precinct tabulation device. The Department will also require manufacturer to configure the precinct tabulation devices as they would be in the precinct on Election Day, including seals and locks. The manufacturer must be prepared to print pre-election reports, precinct results reports, audit logs, and post-election reports.

3.0 TEST MATERIALS

This section contains a detailed description of all materials made available to Examiner for the reexamination.

3.1 Technical Data Package

This subsection lists all manufacturer provided documentation that is relevant to the system being tested.

Table 3.1 Documentation

Document Name	Document Number	Version	Issue Date
AVC Advantage 10 System Overview	096050082	1.02	July 2006
AVC Advantage 10 Functional Specification	096050042	1.04	August 2006
AVC Advantage 10 Software Technical Specification	096050012	1.02	July 2006
AVC Advantage 10 Data Dictionary	096050032	1.03	August 2006
AVC Advantage 10 Security Overview	096050072	1.01	January 2006
AVC Advantage 10 Penetration Analysis	096051802	1.01	January 2006
AVC Advantage 10 Validation Test Plan	096050092	1.04	August 2006
AVC Advantage 10 Operators Manual	096050062	1.03	July 2006
AVC Advantage 10 Pollworkers Guide	096050112	1.01	January 2006
AVC Advantage Audio Accessory Poll Worker's/Operator's Manual, Firmware Version 10	096116603	1.00	January 2006
AVC Advantage 10 Maintenance Manual	096050052	1.03	July 2006
AVC Advantage 10 Personnel & Training	096050002	1.01	January 2006
AVC Advantage 10 Configuration Management Plan	096051501	1.01	January 2006
AVC Advantage 10 QA Program	096051402	1.01	January 2006
AVC Advantage 10 Change Specification	096050022	1.00	July 2006

W. EDGE 1 1 1D D 1 D1 Q1	000051511	1.00	Y 2006
WinEDS Technical Data Package Release 3.1	089351511	1.09	June 2006
WinEDS System Overview Release 3.1	089350011	1.13	May 2006
WinEDS Functional Specification Release 3.1	089350111	1.11	May 2006
WinEDS Software Specification Release 3.1	089350211	1.09	February 2006
WinEDS Security Specification Release 3.1	089350311	1.04	January 2006
WinEDS Penetration Analysis (Appendix B to			
Security Specification) Release 3.1	089350311	1.04	January 2006
Noted 'Available Only By Special Request'			
WinEDS Test & Verification Specification	096051201	1.04	June 2007
WinEDS Operators Manual Release 3.1	089352111	1.03	January 2006
WinEDS Personnel & Training Requirements	089350511	1.04	January 2006
Release 3.1	089330311	1.04	January 2006
WinEDS Configuration Management Plan Release	089350611	1.06	Echmiomy 2006
3.1	089330011	1.00	February 2006
WinEDS Quality Assurance Program Release 3.1	089351911	1.04	January 2006
WinEDS Sample Reports Release 3.1	089352011	2.07	June 2006
WinEDS Installation Guide Software Release 3.1	none	1.00	February 2006
WinEDS Reference Guide Software Release 3.1	none	6.05	May 2006
WinEDS Change Release Summary Release 3.1	089352411	1.04	January 2006
WinEDS SDK: For Optech 400-C Release 3.1	089351111	1.04	January 2006
WinEDS SDK: For Insight and Eagle Release 3.1	089352311	1.01	January 2006
WinEDS Specification Diagrams Release 3.1	089351611	1.05	February 2006
WinEDS System Database Release 3.1	08935121	1.14	May 2006
·	002002 01	0.4	None-e-file
WINEDS 5.1 FEC VSS 2002 Trace Matrix	092002-01	04	date 9/12/2006
T-11 V-1'-1' TDD1	Mana	NI	None: e-file
Tally Validation TDP supplement	None	None	date 9/12/2006
WinEDS Sample Reports Release 3.1 WinEDS Installation Guide Software Release 3.1 WinEDS Reference Guide Software Release 3.1 WinEDS Change Release Summary Release 3.1 WinEDS SDK: For Optech 400-C Release 3.1 WinEDS SDK: For Insight and Eagle Release 3.1 WinEDS Specification Diagrams Release 3.1	089352011 none none 089352411 089351111 089352311 089351611	2.07 1.00 6.05 1.04 1.04 1.01 1.05	June 2006 February 2006 May 2006 January 2006 January 2006 February 2006 May 2006 None-e-file date 9/12/2006 None: e-file

3.2 Third Party Test Reports

This subsection lists the reports provided by third party entities that are relevant to the system being evaluated and the test engagement.

Table 3.2 Third Party Test Reports

Report Title	Description	Report No.	Issue Date
Change Release Report of the Sequoia	Wyle Laboratories Change		
AVC Advantage DRE Voting Machine	Release Report for version	51884-11	09-18-06
(Firmware Version 10.3.5)	10.3.5		
Software Ovelification Test Deport	Ciber, Inc. Qualification Test	CIBER	Ootobor 10
Software Qualification Test Report Sequoia WinEDS 3.1.074, Version 1.1	Report for Sequoia WinEDS	Version 1.1	October 18, 2006
sequoia willeds 5.1.0/4, version 1.1	3.1.074	061018	2000

3.3 Previous Test Results

This subsection describes the results of any previous testing performed by the Department that are relevant to the re-examination and the system being evaluated.

Table 3.3 Previous Test Results

Report Title	Description	Revision	Issue Date
Sequoia Voting Systems, Inc. WinEDS	An Evaluation prepared for the		
Tabulation Software, Version 3.1.074	Secretary of the Commonwealth of		November 1,
and Advantage Model D (Firmware	Pennsylvania by Michael Ian		2006
10.3.5; I/O Processor 10.3)	Shamos, Ph.D, J.D		

4.0 TEST SPECIFICATIONS

This section contains a detailed description of the procedures to be followed during test setup and preparation.

The re-examination of the voting system will occur in an environmentally controlled room. The room will be configured such that the Department, the Examiner, and the voting system manufacturer have their own independent work areas. The public will be allowed to observe the examination, but may not comment or interact with either the employees of the Department, the Examiner, or the voting system manufacturer, at any time. The manufacturer will be allotted time and space to stage the voting system prior to the re-examination. This time and space will be determined between the Department and the manufacturer in advance of the examination date. Once the manufacturer informs the Department that the voting system is properly set up, the Examiner will provide the manufacturer with the firmware/software for the precinct tabulation device, submitted to the Department from the trusted source. The manufacturer will load the firmware/software on to the required media for installation onto the precinct tabulation device and install the firmware/software onto the precinct tabulation device before commencement of the re-examination. Once each precinct tabulation device is loaded with the firmware/software, the manufacturer will not be allowed access to the internal components of the devices without the consent of the Department or the Examiner. If the re-examination is suspended, the precinct tabulation devices will be secured in a manner to ensure control of the test environment. If, at any point, the Department or the Examiner determines that the control of the test environment has been compromised, all firmware/software will be reloaded on the precinct tabulation devices.

The voting system manufacturer shall set up the precinct tabulation devices as they would be in the precinct on Election Day, minus the locks and seals. The locks and seals will be installed and evaluated at a later time in the re-examination.

The Examiner will maintain photographic and written documentation of the re-examination. This will include, but is not limited to, photographs of the firmware/software installation, test execution notes and observations, photographs of the test setup, and collection of test data. The Department will video record the re-examination.

5.0 TEST PROCEDURES

This section contains a detailed description of the test sequence, test procedures and expected results.

The test cases for this re-examination are contained in Appendix B of this Test Protocol. All steps of the tests cases contain an expected result to provide objective pass/fail criteria. There are no dependencies for execution of the test cases. The test cases have been divided into four main areas for execution: (1) Review; (2) Targeted Functionality; (3) System Integration; and (4) Penetration Analysis. -The Review

area of this re-examination will not be performed on-site during the set dates of the re-examination. The Review area of testing includes documentation review of third-party reports and review of the manufacturer's TDP. All other areas of testing will be performed on-site during the re-examination. The test sequence for this re-examination will be as follows:

Review:

- 1107-A(11), 25 P.S. § 3031.7(11) Suitably Designed, Constructed in Workmanlike Manner of Durable Material, Safely and Efficiently Useable, Capable of Absolute Accuracy
- 1107-A(13), 25 P.S. § 3031.7(13) Record Correctly, Computes and Tabulates Accurately
- 1107-A(14), 25 P.S. § 3031.7(14) Safely Transportable
- 1107-A(15), 25 P.S. § 3031.7(15) Voter May Readily Learn to Operate

Targeted Functionality Test Cases:

- Test Case Identifier: 01 1107-A(1), 25 P.S. § 3031.7(1) Voter Secrecy (Regular Voter)
- Test Case Identifier: 01 1107-A(1), 25 P.S. § 3031.7(1) Voter Secrecy (ADA Voter)
- Test Case Identifier: 02 1107-A(2), 25 P.S. § 3031.7(2) Selection of Candidates and Questions by Voter (Regular/ADA)
- Test Case Identifier: 03 1107-A(3), 25 P.S. § 3031.7(3) Straight Party and Pennsylvania Method
- Test Case Identifier: 04 1107-A(4), 25 P.S. § 3031.7(4) Straight Party and Write-In
- Test Case Identifier: 05 1107-A(5), 25 P.S. § 3031.7(5) Selection of Candidate and Write-in
- Test Case Identifier: 07 1107-A(7), 25 P.S. § 3031.7(7) Attempt to Over Vote Contests and Questions (Regular/ADA)
- Test Case Identifier: 10 1107-A(10), 25 P.S. § 3031.7(10) Ballot Review and Change (Regular/ADA)
- Test Case Identifier: 16 1107-A(16), 25 P.S. § 3031.7(16) Public Counter, No Reopening of Polls, Media Security with Tamper Proof Locks and Zero Proof and Tally Reports

System Integration Test Cases:

• Test Case Identifier: 04, 06, 08, 09, Permanent Physical Record, and Statistical Sample – 1107-A(4), 25 P.S. § 3031.7(4) Enables Voting for Legal Combinations; 1107-A(6), 25 P.S. § 3031.7(6) Permits Voting for as Many Candidates as Entitled, Permits Voting For or Against Questions, Precludes Voting for Unauthorized Candidates or Questions; 1107-A(8), 25 P.S. § 3031.7(8) Precludes Multiple Voting and Tabulating Multiple Votes; 1107-A(9), 25 P.S. § 3031.7(9) Permits Voter at Primary to Vote Only for Candidates in Party of Registration, Any Candidate for Nonpartisan Nomination, and For Any Entitled Question; 1101-A, 25 P.S. § 3031.1 Provides for Permanent Physical Record of Each Vote Cast; and 1117-A, 25 P.S. § 3031.17 Statistical Sample

Penetration Analysis Test Cases:

• Test Case Identifier: 12 – 1107-A(12), 25 P.S. § 3031.7(12) Acceptable Ballot Security Procedures and Impoundment of Ballots

6.0 TEST DATA

This section contains a detailed description of the test election definitions and ballot logic being exercised.

The election definitions being used for this re-examination are provided in Appendix A of this Test Protocol. A predefined set of election parameters are included in the election definitions. Both the general election and the closed primary election definitions provide the voting variations, geographic subdivisions, parties, supported languages and test voting pattern with results being tested. The only languages required for this re-examination are English and Spanish. The Department provided the Spanish translation. Each test voting pattern provides the input method and device. For all Write-In selections, the name will be input as "John Doe." For multiple Write-In selections, the name will be appended with the character "I" for the number of Write-In selections (*i.e.*, "John Doe I," "John Doe II," "John Doe III," and "John Doe IIII" in a "Vote for Four" contest with four write-ins).

6.1 Data Recording

This subsection contains a detailed description of the procedures to be followed during test execution and data collection.

All test data produced during this re-examination is the property of the Department. The output test data will be collected and stored in an appropriate manner as to allow for data analysis. Actual results from executed tests will be recorded in real-time in Test Execution Logs.

6.2 Data Evaluation

The Examiner will evaluate all test results against the expected results set forth in the test cases provided in Appendix B. The acceptable range for system performance and the expected results is derived from the test designers experience and expertise. If an expected result is not achieved, an evaluation will be performed as to "why" the test or test step did not produce the expected results. This evaluation will consider test error, invalid expectations, and system performance. Failure to achieve the expected results does not constitute a test failure. A test failure only occurs when the "Criteria for Evaluation of Test Results," as set forth in the test cases, are not achieved for a specific test.

APPENDIX A ELECTION DEFINITIONS

Election Definition: Pennsylvania Certification Closed Primary Election

Primary Election Description:

A closed primary election for 2 parties in 3 precincts. This election contains 35 contests compiled into 6 ballot styles. Each ballot style contains 15 contests. The voting variations supported in a primary election by the Commonwealth of Pennsylvania are defined in this election. The voting variations are as follows:

- Partisan contest
- Non-Partisan
- Primary Presidential delegation nominations
- Write-In voting
- N of M Contest
- Cross-Party Filed Candidates

This closed primary election was designed to functionally test the handling of multiple ballot styles across geographical subdivisions, support for two languages, and support for common primary specific voting variations.

Configuration:

EMS computer loaded with software certified for use in Pennsylvania to create the following configuration:

Name: Pennsylvania Certification Closed Primary Election

Voting Devices: 1 machine for each precinct **Precincts:** Precinct 1, Precinct 2, Precinct 3

Parties: Republican, Democrat Languages: English, Spanish

Totals Contests: 35 Contests as follows:

Precinct 1 REP	Precinct 2 REP	Precinct 3 REP	Precinct 1 DEM	Precinct 2 DEM	Precinct 3 DEM	
F	President of the United Sta Vote for One	ates	President of the United States Vote for One			
James Collins	James Collins			Barry Josey		
Alexander P. Bicket			Calvin Marino			
Carol Koethen			Write-In			
Write-In						
	United States Senator Vote for One			United States Senator Vote for One		
Bob Ford Allegheny	County		Oscar Draper Cumberland County			
Colby Lincoln Delaware	County		Carter McGaw Philadelphia County			
Write-In			Write-In			
Representative in Congress 5 th District Vote for One Congress 10 th District Vote for One			in Representative in Congress Representative 5 th District Congress Vote for One 10 th District Vote for One			
Ben Baker Allegheny County Cheryl Simon			Barbara Barret Hicks Montgomery County William Sullivan			

	York County		Butler County		
Write-In	Lois Koss	Clinton Testo Centre County	Write-In		
	Erie County		wille-iii		
	Write-In	Write-In			
Governor		Governor Vote for One			
Vote for One	vote for One				
Dean Lindsey Allegheny County		Charles Jasen Montgomery County			
Don Etter Allegheny County		Shirley Henning Luzerne County			
Joe Carlton Washington County		Write-In			
Edwin Lewis Lancaster County					
Samuel Lawton Bucks County					
Write-In					
Lieutenant Governor		Lieutenant Governor			
Vote for One		Vote for One			
Scott Montes Berks County		Sherman R. Bucher Philadelphia County			
Saul Currier Lehigh County		Richard V. Suits Cambria County			
Arnold Krill Lycoming County		Tabathia Song Allegheny County			
Write-In		Kenneth Interlicchio Philadelphia County			
		Write-In			
Representative in the General Assembly 83 rd District Vote for One	Representative in the General Assembly 84 th District Vote for One	Representative in the General Assembly 83 rd District Vote for One	Representative in the General Assembly 84 th District Vote for One		
Harry Rider Cascade	Peter Valle <i>Muncy</i>	R. J. Abbott Shrewsbury	Neil Carey <i>Lewi</i> s		
Robert Tyrell McNett	Write-In	Peter F. Saxton Willamsport	Saul Currier Eldred		
Write-In		Write-In	Write-In		
Delegate to the National Convention Vote for Not More Than Th		Delegate to the National Convention –5 th District Electing 2 Males and 2 Females Vote Not More Than Four			
Gloria Dillion Heather Heidelbaugh Herbert Devine George A. Fisk		Vincent Seymour (M) Committed to Barry Josey			
Doris Shiddles Andre Ninia Brian Getz		Toni Hamilton (F) Committed to Calvin Marino			
Chad Snow Diane Rubin		Sam Patel (M) Committed to Barry Josey			

Elizabeth Piazza	
	Robert Rocco
Write-In Write-In	(M) Committed to Calvin Marino
Write-In	Renee Cohn Jubelrier (F) Committed to Calvin Marino
	Morton Steele (M) Committed to Calvin Marino
	Mary Burke (F) Committed to Barry Josey
	Nyda E. Hambin (F) Committed to Barry Josey
	Write-In Write-In Write-In Write-In
Judge of the Superior Court Vote for One	Judge of the Superior Court Vote for One
Richard Maxian Philadelphia County	Linda Gapp Cumberland County
Marjorie Hall Delaware County	Patricia Smallmon Allegheny County
Robert L. Linkey Bucks County	Write-In
Write-In	
Judge of the Commonwealth Court Vote for One	Judge of the Commonwealth Court Vote for One
Chris Carpenter Montgomery County	Eugene Ruff Washington County
Write-In	Lewis Tese Luzerne County
	Write-In
Judge of the Court of Common Pleas Vote for Not More Than Two	Judge of the Court of Common Pleas Vote for Not More Than Two
Mary L. Daniel Armstrong	Joanne Shollzert Williamsport
John Roy Clinton	Kerry Jones Williamsport
Jack "Duke" Brodisky McNett	Steven Miller Lewis
Jon Young <i>Muncy</i>	Shirley Henning Mill Creek
Vic Stabile Gamble	Write-In
	Write-In Write-In
Gamble	

	Four Year Term Vote for One		Four Year Term Vote for One		
Norman Powers Williamspor	rt		Micheal Santarcangelo Fairfield		
Sandra Reilly <i>McNett</i>			Charles Place Gamble		
Write-In			Write-In		
School Director Region 6 Four Year Term Vote for Not More Than Two			School Director Region 6 Four Year Term Vote for Not More Than Two		
Gerald Danson			Douglas Stone		
Greg Ortiz			Gerald Danson		
Shlomo Archibald			Greg Ortiz		
Delores DeVan			Shlomo Archibald		
Write-In			Delores DeVan		
Write-In			Write-In		
			Write-In		
Commissioner Seat 1 Four Year Term Vote for One	Commissioner Seat 2 Four Year Term Vote for One	Commissioner Seat 3 Four Year Term Vote for One	Commissioner Seat 1 Four Year Term Vote for One	Commissioner Seat 2 Four Year Term Vote for One	Commissioner Seat 3 Four Year Term Vote for One
Stephen Harrick	Steve West	William Malicki	George Fisk	Tetty Rogiers	Arnold Wells
Write-In	Write-In	Gary Klemann	Write-In	Write-In	Write-In
		Write-In	endum A		

Referendum A Bond Issue

To promote and assure the preservation and improvement of essential rail passenger and freight services to the inhabitants of the state, shall section two of chapter one hundred eighteen of the laws of nineteen hundred seventy-four, authorizing the creation of a state debt in the amount of two hundred fifty million dollars for capital facilities be approved?

Yes

No

Spanish

Distrito electoral 1 REP	Distrito electoral 2 REP	Distrito electoral 3 REP	Distrito electoral 1 DEM	Distrito electoral 2 DEM	Distrito electoral 3 DEM
Pres	idente de los Estados U	nidos	Presi	dente de los Estados Ui	nidos
	Vote por uno			Vote por uno	
James Collins			Barry Josey		
Alexander P. Bicket			Calvin Marino		
Carol Koethen			Por escrito		

Por escrito			
Senador de los Estados Un Vote por uno	nidos	Senador de los Estados Un Vote por uno	idos
Bob Ford Condado de Allegheny		Oscar Draper Condado de Cumberland	
Colby Lincoln <i>Condado de Delaware</i>		Carter McGaw Condado de Filadelfia	
Por escrito		Por escrito	
Representante en el Congreso 5° Distrito Vote por uno Ben Baker Condado de Allegheny Por escrito	Representante en el Congreso 10.º Distrito Vote por uno Cheryl Simon Condado de York Lois Koss Condado de Erie	Representante en el Congreso 5º Distrito Vote por uno Barbara Barret Hicks Condado de Montgomery Clinton Testo Condado Centre Por escrito	Representante en el Congreso 10.º Distrito Vote por uno William Sullivan Condado de Butler Por escrito
Oakamadan	Por escrito	Ochomodo	
Gobernador Vote por uno		Gobernador Vote por uno	
Dean Lindsey Condado de Allegheny		Charles Jasen Condado de Montgomery	
Don Etter <i>Condado de Allegheny</i>		Shirley Henning Condado de Luzerne	
Joe Carlton Condado de Washington		Por escrito	
Edwin Lewis Condado de Lancaster			
Samuel Lawton Condado de Bucks.			
Por escrito			
Vicegobergador Vote por uno		Vicegobergador Vote por uno	
Scott Montes Condado de Berks		Sherman R. Bucher Condado de Filadelfia	
Saul Currier Condado de Lehigh		Richard V. Suits Condado de Cambria	
Arnold Krill Condado de Lycoming		Tabathia Song Condado de Allegheny	
Por escrito		Kenneth Interlicchio Condado de Filadelfia	
		Por escrito	
Representante en la Asamblea General 83.° Distrito Vote por uno	Representante en la Asamblea General 84.º Distrito	Representante en la Asamblea General 83.° Distrito Vote por uno	Representante en la Asamblea General 84.º Distrito Vote por uno

	Vote por uno		Neil Carey
Harry Rider	Peter Valle	R. J. Abbott	Lewis
Cascade	Muncy	Shrewsbury	Saul Currier
Robert Tyrell	Por escrito	Peter F. Saxton	Eldred
McNett		Willamsport	Por escrito
Por escrito		Por escrito	1 of escito
Delegado a la convención nacional No vote por no más de tre Gloria Dillion		Delegado a la convención nacional Elija 2 damas y 2 caballer No vote por más de cuatr	os
Heather Heidelbaugh Herbert Devine George A. Fisk		Vincent Seymour (H) Committed to Barry Josey	
Doris Shiddles Andre Ninia		Toni Hamilton (M) Committed to Calvin Marino	
Brian Getz Chad Snow		Sam Patel	
Diane Rubin		(H) Committed to Barry Josey	
Elizabeth Piazza Write-In		Robert Rocco (H) Committed to Calvin Marino	
Write-In Write-In		Renee Cohn Jubelrier (M) Committed to Calvin Marino	
		Morton Steele (H) Committed to Calvin Marino	
		Mary Burke (M) Committed to Barry Josey	
		Nyda E. Hambin (M) Committed to Barry Josey	
		Write-In Write-In Write-In Write-In	
Juez de la corte suprem Vote por uno	a	Juez de la corte suprem Vote por uno	a
Richard Maxian		Linda Gapp	
Condado de Filadelfia		Condado de Cumberland	
Marjorie Hall Condado de Delaware		Patricia Smallmon Condado de Allegheny	
Robert L. Linkey Condado de Bucks.		Write-In	
Write-In			
Juez de la corte del esta	do	Juez de la corte del esta	do
Vote por uno		Vote por uno	
Chris Carpenter Condado de Montgomery		Eugene Ruff Condado de Washington	
Write-In		Lewis Tese Condado de Luzerne	
		Write-In	
Juez de la corte de primeras in	stancias	Juez de la corte de primeras in	stancias
Vote por no más de dos		No vote por más de dos	

Mary L. Daniel Armstrong			Joanne Shollzert Williamsport		
John Roy			Kerry Jones		
Clinton			Williamsport		
Jack "Duke" Brodisky <i>McNett</i>			Steven Miller Lewis		
Jon Young <i>Muncy</i>			Shirley Henning Mill Creek		
Vic Stabile <i>Gamble</i>			Por escrito		
Por escrito			Por escrito		
Por escrito					
	efe principal del condad	lo	J	efe principal del condac	lo
-	Término de cuatro años Vote por uno	•		Término de cuatro años Vote por uno	-
Norman Powers <i>Williamspor</i>	t		Micheal Santarcangelo Fairfield		
Sandra Reilly <i>McNett</i>			Charles Place Gamble		
Por escrito			Por escrito		
	Director de la escuela Región 6			Director de la escuela Región 6	
	Término de cuatro años No vote por más de dos			Término de cuatro años No vote por más de dos	
Gerald Danson	Tvo vote por mas de dos		Douglas Stone	No vote por mas de dos	
Greg Ortiz			Gerald Danson		
Shlomo Archibald			Greg Ortiz		
Delores DeVan			Shlomo Archibald		
Por escrito			Delores DeVan		
Por escrito			Por escrito		
			Por escrito		
Comisionado Puesto 1	Comisionado Puesto 2	Comisionado Puesto 3	Comisionado Puesto 1	Comisionado Puesto 2	Comisionado Puesto 3
Término de cuatro	Término de cuatro	Término de cuatro	Término de cuatro	Término de cuatro	Término de cuatro
años Vote por uno	años Vote por uno	años Vote por uno	años Vote por uno	años Vote por uno	años Vote por uno
Stephen Harrick	Steve West	William Malicki	George Fisk	Tetty Rogiers	Arnold Wells
Por escrito	Por escrito	Gary Klemann	Por escrito	Por escrito	Por escrito
		Por escrito	n a nivel estatal		
		Asunt	o del bono		

debe aprobar la sección dos del capítulo ciento dieciocho de las leyes de mil novecientos sesenticuatro, autorizando la creación de una deuda estatal en la cantidad de doscientos cincuenta millones de dólares para instalaciones de capital?

Sí

No

Voting Pattern:

Precinct 1 REP	B 1	B 2	B 3	B 4	B 5	B 6	B 7	B 8	B 9	B 10	B 11	B 12	B 13	B 14	B 15	B 16	B 17	B 18	B 19	B 20
	ı		1				Presid	dent o	fthe	United	States	3	ı		1	ı	1			-1
James Collins	X				Х	Χ		Χ		Χ		Х		Х		U	Х	Х		Х
Alexander P.		Χ					Х								Х				Χ	
Bicket																				
Carol Koethen			Х						Χ		Χ									
Write-In				Х									Χ							
							U	nited S	State	s Sena	ator									
Bob Ford			Х				Х		Χ				Χ		Х				Х	
Colby Lincoln	Х	Х		Х	Х			Х		Х	Χ	Х		Х		Х		Х		Х
Write-In						Х											Х			
	•	•	•	•	•	Rep	resent	ative i	n Co	ngres	s 5 th Di	strict		•	•		•	•		•
Ben Baker	Х	X	X	X	U		Х	Χ	Χ	X		Х	Χ	X		Х	X		Х	Х
Write-In						Х					Χ				Х			Х		
	•	•		•	•			G	over	nor	•			•				•	•	
Dean Lindsey				X			Х				Χ		Χ			Х				
Don Etter			Χ		Χ							Χ			Χ			Χ		
Joe Carlton	Х					Χ			Χ	Χ				Х			Х			Х
Edwin Lewis		Χ																	Х	
Samuel Lawton								Χ												
Write-In																				
							L	ieuter	ant (Govern	or				1		1			
Scott Montes					Х					Χ						Х		U	Х	
Saul Currier				Χ					Χ					Χ						Х
Arnold Krill	Х		Х			Х	Х	Х			Χ	Х	Х		Х					
Write-In		Х															Х			
	1	1		1	Repr	esenta	ative in	the G	ener	al Ass	embly	83 rd D	istrict						1	
Harry Rider	Х	Х		Х		Х		Х	Χ		Х		Χ		Х		Х		Х	Х
Robert Tyrell			Х				Х			Χ		Х		Х		Х				
Write-In					X\													Х		
		1		1		Pr	esider	tial No	omin	ation I	Delegat	ion		1						
Gloria Dillion	Х	X		X		Χ		Χ	Χ	Χ	Х		Χ		X	Х		X	Х	Х
Heather		Х			Х					Х		Х			Х	Х			Х	Х
Heidelbaugh																				
Herbert Devine		Х	Х	Х			Х	Х	Χ	Х		Х	Χ	Х	Х	U			Х	Х
George A. Fisk	Х				Х								Х					Х		
Doris Shiddles			Х						Χ			Х								
Andre Ninia								Х						Х				Х		
Brian Getz	Х		Х	Χ																
Chad Snow							Χ							Х						
Diane Rubin							Х													
Elizabeth Piazza	1				Х		Ė													1
Write-In						Х											Х			1
Write-In						X											X			1
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Marjorie Hall	1	Х	 			Х	<u> </u>		Ť			†	Х	<u> </u>	Х	1	1	 	†	Х
Robert L. Linkey	Х	<u> </u>		Х	1			Х		Х		Х				Х	Х	Х		— —
Write-In	<u> </u>		Х	<u> </u>			†	<u> </u>		<u> </u>		<u> </u>	<u> </u>		1	<u> </u>	<u> </u>	 ^`	1	t
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Chris Carpenter	Х	Х	Х	Х	Х	U	X	X	X	X	50	X	Х	Х	U	Х	Х	Х	Х	Х
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Mary L. Daniel	Х	Χ		Χ		Х		Χ	Χ	Χ			Х		Х	Χ	U	Х	Χ	
John Roy		Χ						U			Χ						U	Х		
Jack "Duke"	Х		Х	Х	Х		Х		Χ	Χ			Х	Х		Х			Χ	
Brodisky																				
Jon Young			Х				U				Χ	Х			Х					Χ
Vic Stabile					Х									Х						Χ
Write-In						Х						Х								
Write-In																				
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Norman Powers	Х		Х	Χ		Х	Х	Х		Χ		Х	Х	U				Х	Χ	Х
Sandra Reilly		Х			Х				Χ		Χ				Х	Х				
Write-In																	Х			
			•	•		•	Scl	nool D	irecto	or Reg	ion 6			•	•	•		•	•	
Gerald Danson	Х		Х	Х		X		Х			Х			Х	Х	U	Χ		X	X
Greg Ortiz	Х				Х		Х			Х		Х	Х			U				
Shlomo Archibald		Х	Х	Х	Х		Х	Х	Χ	Х	Χ		Х		Х		Х		Х	Χ
Delores DeVan		Χ				Х			Х			Х		Х				Х		
Write-In																		Х		
Write-In																				
							С	ommi	ssior	er Se	at 1									
Stephen Harrick	U	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ	Х	Χ	Χ	U	Χ	Χ		Χ	Х	Х
Write-In						Х											Χ			
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Barry Josey	Х	U	I	I	1	Х	FIESI	Tent o	luie	Unite	X	1	Х	I	I	I	Х	1	X	
Calvin Marino		U	Х	Х	Х		1	Х	Х	Х	^	Х		Х	Х	Х	^	Х		X
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Oscar Draper	Х		Х	Х	Х	Х		X	T	X	X	1	Х		Х	Х		Х		X
Carter McGaw		Χ			<u> </u>	 ^	Х	 ^	Х					Х			Х	 ^	Х	
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Barbara Barret Hicks Clinton Testo Write-In Charles Jasen Shirley Henning Write-In Sherman R. Bucher Richard V. Suits Tabathia Song Kenneth Interlicchio Write-In R. J. Abbott Peter F. Saxton	X	X	X	X	X	X	X X L X	X X X ieuter	X Gover X	X nor X Sover	X	x X X X X X X X X X X X X X X X X X X X	X	X	X	X	X	X	X	X
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Mary Burke							X		X			Х				X			X	
Nyda E. Hambin							Χ					Χ				Χ			Х	
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Write-In									Χ	Х										
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Linda Gapp				Χ				Х			Χ		U			Χ		Х		Χ
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Patricia Smallmon	Χ	X	X		Х	X			Х	Χ		X		Х	Χ		Χ		Х	
Write-In							Χ													
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Eugene Ruff			Χ	Χ		Χ	Χ	X	X		Χ		Χ	Χ		U		X		Χ
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Joanne Shollzert	X		Χ	Χ	X	Χ		X		Χ		Χ		Х	X		X	U		Χ
Kerry Jones	Х	Χ		Χ	Χ		Χ	Х	Х		Х	Χ		Χ		Х	Х	Ū	Х	
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Steven Miller		Χ				Χ			Х		U		Χ		X					Χ
Shirley Henning			Х				Χ						Х			Х			Х	
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							Co	ounty (Chief	Execu	ıtive									
Micheal	X		Х	Х	Х		Х	X	X		Х		Χ		Х	Х		Х		Х
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Charles Place		Х			1	Χ				Χ		Χ	1	Х			Х		Х	
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Write-In																				
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Douglas Stone		Χ		Χ					X			Χ		Χ			X	X		
Gerald Danson	Х		Х	Х			Х	Х	Х	Χ	Х		Х		Х	Х		Х		Х
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Greg Ortiz		Х			X					Χ				Χ			X		X	
Shlomo Archibald	Х		Х		Х	Х	Х				Х		Х		Х	Х			Х	Х
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Delores DeVan						Χ		Х				Χ								
Write-In																				
Write-In																				
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	1																			
		Χ	Χ	Χ	Х	Χ	Χ	X	Χ	Χ	Χ	Χ	Х	U	Χ	X	Χ	Χ	Х	X
George Fisk	X																			
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Write-In	^						<u> </u>	L		<u> </u>										
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Write-In Yes	X		Х	X	X		X	Refe			U	Х	Х	Х		X	Х		X	Х
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Write-In Yes	<u> </u>	X	Х	Х	X	X	X				U	Х	X	X	X	Х	Х	X	X	X
Write-In Yes	<u> </u>	X	X	X	X	X	X				U	X	X	Х	X	X	Х	X	X	X
Write-In Yes	<u> </u>	X	X	X	X	X	X				U	X	X	X	X	X	X	X	X	X
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Write-In Yes No	X	В	В	В	В	B 6	B 7	B 8	X B 9	X B 10	B 11	B 12	В	В	В	В	В	В	В	В
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Write-In Yes No Precinct 2 REP James Collins	X	В	B 3	В	В	B 6	B 7	B 8	X B 9	X B 10	B 11	B 12	В	B 14	В	В	В	В	В	B 20
Write-In Yes No Precinct 2 REP James Collins	X B 1	B 2	В	В	B 5	B 6	B 7 Presid	B 8	X B 9 f the	X B 10	B 11	B 12	B 13	В	B 15	B 16	В	B 18	B 19	В
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Mary L. Daniel		Х	Х	Х		X	X	X	X	/ COII	X	X		Х	1	1	Х		Х	X
John Roy	Х	X							X	Х	^				Х			Х		
Jack "Duke"	X	· ^	Х		Х	Х		Х		X	Х		Х	Х			Х	X	Х	X
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Jon Young				Х									Х		Х	Х				
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Charles Jasen	Х	X	X	- V	X	X	1	V	X	V	Х	Х	X	Х	Х	Х	X	X	V	
Shirley Henning Write-In		-	-	Х	-		Х	Χ		Х						ļ	Λ	-	X	X
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Tabathia Song			X				Х	<u> </u>		^			Х			1		1		X
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Peter F. Saxton		+	Х	† <u>* </u>	+		Х		 	Х	- ` 	Ť	Х	<u> </u>	† †			1	† ` ` 	1
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Vincent Seymour		Χ		Х		X		X	1		U	T		Х		Χ		Χ		
Toni Hamilton	Х	1	Х		Х	Х	Х		Х	Χ	Ü	Х	Х		Х		Х	Ü	Х	Х
Sam Patel		Х		Х	1	Х		Х		Χ	Ü			Х		Χ		Ü	X	X
Robert Rocco	Х	1	Х	1	Х	X	Х	Ü	Х	X	Ü	Х	Х	1	1	X	Х	Ū	X	X
Renee Cohn	X	1	X	1	X	1	X	Ü	X	X		,,	1		Х		X	† <u> </u>	1	1
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Morton Steele	Х	1	Х	1	Х	1	Х		Х			1		1	1	Χ	Х		Х	Х
Mary Burke		Х		Х										Х	Х					
Nyda E. Hambin		Х		Х										Х	Χ					
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Linda Gapp		X				X		Χ				X			Х				X	Χ
Patricia Smallmon	Χ		Х	Х	Х		Х		Χ	Х			Х	Х		Х	Χ			
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Kerry Jones	Χ	Χ		Х	Χ	U	Х		Χ	L			Χ	U		Χ	Χ	Х	X	
Steven Miller			Х	<u> </u>			Х			Χ	Х	Χ			Χ			Х	1	X
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Douglas Stone	Χ		Х					Х			Х	Х				Х		Х		
Gerald Danson		Х	Х	Х	Х	Х				Χ		Х	Х				Х	Х		Х
Greg Ortiz	Χ			Х					Х		Х					Х				
Shlomo Archibald		Х			Х		Х	Х	Χ	Χ			Х	Х			Х		Х	Х
Delores DeVan						Х	Х							Х	Х				Х	
Write-In															Х					
Write-In																				
								ommi	issior	ner Se	at 3	•		•						•
Arnold Wells	Χ	Χ	Χ	Х	Х	Х	Х		Х	Χ	Х	Х	Х	Χ	Χ	Х	Х	Х	X	Х
Write-In								Х												
								Ref	erenc	lum A	ļ	•							-	-
Yes	Χ		Χ		Х		Х		Х		X		Х		Χ		Χ		Х	
No		Х		Х		Х		Х		Χ		Х		Х		Х		Х		Х

Precinct 3 Non Partisan	B 1	B 2	B 3	B 4	B 5
Referendum A					
Yes	X		Х		U
No		Х		Х	

Test Results:

Precinct 1 REP President of the United States

James Collins
Alexander P. Bicket 10 4 3 2 1 Carol Koethen Write-In Undervotes

United States Senator

Bob Ford Colby Lincoln 12 2 Write-In Undervotes

Representative in Congress 5th District Ben Baker 15

Waite In	4
Write-In	4
Undervotes	1
Governor	
Dean Lindsey	5
Don Etter	5
Joe Carlton	7
Edwin Lewis	2
Samuel Lawton	1
Write-In	
	0
Undervotes	0
Lieutenant Governor	
Scott Montes	4
Saul Currier	4
Arnold Krill	9
Write-In	2
Undervotes	1
Chacivotes	•
Representative in the General	Assembly 83rd District
Harry Rider	12
Robert Tyrell	6
Write-In	2
Undervotes	0
Presidential Nomination Deleg	ation
Gloria Dillion	14
Heather Heidelbaugh	
	8
Herbert Devine	13
George A. Fisk	4
Doris Shiddles	4
Andre Ninia	3
Brian Getz	3
Chad Snow	2
Diane Rubin	1
Elizabeth Piazza	2
Write-In	5
Undervotes	1
Judge of the Superior Court	
Richard Maxian	5
	5
Marjorie Hall	
Robert L. Linkey	8
Write-In	1
Undervotes	1
Judge of the Commonwealth C	
Chris Carpenter	17
Write-In	1
Undervotes	2
Chack total	
* * * * * * * * * * * * * * * * * * * *	71
Judge of the Court of Common	
Mary L. Daniel	12
John Roy	3
Jack "Duke" Brodisky	11
Jon Young	5
Jon Foung	
Vic Stabile	3
Write-In	2
Undervotes	4
County Chief Evec-4	
County Chief Executive	10
Norman Powers	12
Sandra Reilly	6
Write-In	1
Undervotes	
Sinder votes	•
School Director Region 6	

Gerald Danson	11
Greg Ortiz	6
Shlomo Archibald	14
Delores DeVan	6
Write-In	1
Undervotes	2
Chack total	-
Commissioner Seat 1	
Stephen Harrick	16
Stephen Harrick	
Write-In	2
Undervotes	2
Chack votes	
Referendum A	
Yes	12
No	5
Undervote	3
Chacivote	
Precinct 1 DEM	
President of the United States	
Barry Josey	6
Calvin Marino	12
Write-In	1
Undervotes	1
Chack votes	•
1	
United States Senator	
	13
Oscar Draper	
Carter McGaw	6
Write-In	1
Undervotes	0
Representative in Congress 5tl	n District
Barbara Barret Hicks	
	13
Clinton Testo	6
Write-In	1
Undervotes	0
C	
Governor	
Charles Jasen	12
Shirley Henning	7
Siniley Heining	
Write-In	1
Undervotes	0
Chact voice	·
Lieutenant Governor	
Sherman R. Bucher	3
Richard V. Suits	3
Tabathia Song	4
Kenneth Interlicchio	9
Write-In	1
Undervotes	0
	A U 02 IPCCC
Representative in the General	Assembly 83rd District
R. J. Abbott	12
Peter F. Saxton	6
Write-In	1
Undervotes	Ī
Chuci voics	
Presidential Nomination Deleg	ration (action)
Vincent Seymour	8
Toni Hamilton	10
Sam Patel	9
Robert Rocco	11
Renee Cohn Jubelrier	9
Morton Steele	8
Mary Burke	5
Nudo E Hambin	4
Nyda E. Hambin	
Write-In	5
Undervotes	11
Olidel votes	11

Commissioner Seat 1 George Fisk		
Linda (Sape 6 Pericis Smallmon 12 Writes In 1 Underview 1	* * * * * * * * * * * * * * * * * * * *	
Particis Paralleon 1	Judge of the Superior Court	
Particis Paralleon 1	Linda Gapp	6
Write-In	Patricia Smallmon	12.
Under of the Commonwealth Court		
Fundamental Court Eagens Ruff 11 12 13 14 14 14 15 15 15 15 15		
Eugene Ruff	Undervotes	1
Eugene Ruff	Indee of the Commonwealth	Count
Lexis Tese 8 Write-In 10 10 10 10 10 10 10 1	Judge of the Commonwealth	
Winse-Inductory 0 Judge of the Court of Common Pleas Joanne Shidzert 12 Jeanne Shidzert 12 Scheen Miller 13 Shirley Henning 5 Write-In 1 Undervotes 3 County Chief Executive Withcheal Sharterangelo Michael Sharterangelo 13 Charles Pikee 0 Undervotes 0 Schood Director Region 6 13 Druglas Sonce 7 Gerald Danson 13 Grog Ortiz 6 Michael Anno Ann 13 Write-In 0 Undervote 0 Compelish 19 Write-In 0 Undervotes 2 President of the United States James Collins 4 Alexander P. Bicket 4 Carol Koeben 3 Write-In 1 Undervotes 1 Indirectives 1		
Winse-Inductory 0 Judge of the Court of Common Pleas Joanne Shidzert 12 Jeanne Shidzert 12 Scheen Miller 13 Shirley Henning 5 Write-In 1 Undervotes 3 County Chief Executive Withcheal Sharterangelo Michael Sharterangelo 13 Charles Pikee 0 Undervotes 0 Schood Director Region 6 13 Druglas Sonce 7 Gerald Danson 13 Grog Ortiz 6 Michael Anno Ann 13 Write-In 0 Undervote 0 Compelish 19 Write-In 0 Undervotes 2 President of the United States James Collins 4 Alexander P. Bicket 4 Carol Koeben 3 Write-In 1 Undervotes 1 Indirectives 1	Lewis Tese	8
Undervotes 1 Undervote Version Versi		
Joane Sholzert 12 13 13 13 13 13 13 13		
Joanes Bollzert 13 Steven Miller 5 Steven Miller 5 Steven Miller 5 Write- In	Undervotes	1
Joanes Bollzert 13 Steven Miller 5 Steven Miller 5 Steven Miller 5 Write- In	Judge of the Court of Comm	Plans
Kerry Jones 13 Skirley Henning 6 Shirley Henning 1 Write-In 1 Undervores 3 Write-In Incompany of the Control of	Judge of the Court of Commi	
Skeven Miller 6 Write-In 1 Undervores 3 County Chief Executive Michael Santarcangelo 13 Charles Place 7 Write-In 0 Undervores 0 School Director Region 6 1 Douglas Stome 7 Geral Obasson 13 Geral Orizant 6 Sholom Archibald 11 Delores DeVolt 3 Write-In 0 Undervores 0 Commissioner Sext 1 Goorge Fisk 19 Write-In 0 Undervores 1 Predict 2 REP President of the United States Lames Collins 1 Alexander P. Ricket 4 Caroli Koethen 3 Write-In 1 Undervotes 1 Undervotes Bob Front 7 Colly Lincoln 1	Joanne Shollzert	
Shirley Henning 5 Write-In 1 Undervotes 3 County Chief Executive Micheal Santarcangelo 13 Charles Place 7 Write-In 0 Undervotes 0 Choul Director Region 6 7 Douglas Stone 7 Gernal Damon 13 Grog Oniz 6 Bloom Archibald 11 Delores DeVan 3 Olineerous 0 Commissioner Seat 1 Competition Write-In 0 Undervote 1 President of the United States James Collins 1 Alexander P. Bicket 4 Alexander P. Bicket 3 Write-In 1 Undervotes 1 President of the United States Jundervotes 1 Write-In 1 Undervotes 1 Undervotes	Kerry Jones	13
Shirley Henning 5 Write-In 1 Undervotes 3 County Chief Executive Micheal Santarcangelo 13 Charles Place 7 Write-In 0 Undervotes 0 Choul Director Region 6 7 Douglas Stone 7 Gernal Damon 13 Grog Oniz 6 Bloom Archibald 11 Delores DeVan 3 Olineerous 0 Commissioner Seat 1 Competition Write-In 0 Undervote 1 President of the United States James Collins 1 Alexander P. Bicket 4 Alexander P. Bicket 3 Write-In 1 Undervotes 1 President of the United States Jundervotes 1 Write-In 1 Undervotes 1 Undervotes	Steven Miller	6
Write-In 1 Undervotes 3 County Chief Executive Micheal Santarcangelo 7 Write-In 0 Undervotes 0 School Director Region 6 0 Douglas Stone 7 Gerald Danson 13 Greg Oriz 6 Shlomo Archiball 11 Delores DeVan 3 Write-In 0 Undervotes 0 Commissioner Seat 1 Googe Fisk 9 Write-In 0 Undervotes 1 Referendum A Yes 12 Undervote 2 President of the United States James Collins 11 Alexander P. Bicket 4 Cand Koethen 3 Write-In 1 Undervotes 1 United States Senator 8 Bob Ford 7 Collyy Lincoln 12 Write-		
	Similey Hemming	
Michael Santarcangelo		
Micheal Santarcangelo 13 Charles Place 7 Write-In 0 Undervotes 0 School Director Region 6 Douglas Stone 7 Gerald Danson 13 Geg Ortiz 6 Shlomo Archbald 11 Delores De-Van 3 Write-In 0 Undervotes 0 Undervotes 0 Undervotes 0 Undervotes 1 George Fisk 19 Write-In 0 Undervotes 1 Vrite-In 0 Undervotes 1 Vrite-In 0 Undervotes 1 Undervotes 2 Governor	Undervotes	3
Micheal Santarcangelo 13 Charles Place 7 Write-In 0 Undervotes 0 School Director Region 6 Douglas Stone 7 Gerald Danson 13 Geg Ortiz 6 Shlomo Archbald 11 Delores De-Van 3 Write-In 0 Undervotes 0 Undervotes 0 Undervotes 0 Undervotes 1 George Fisk 19 Write-In 0 Undervotes 1 Vrite-In 0 Undervotes 1 Vrite-In 0 Undervotes 1 Undervotes 2 Governor	a . ales :	
Charles Place 7 Write-In 0 Undervores 0 Undervores 7 Geral O Douglas Stone 7 Geral O Douglas Stone 6 Greg Ortiz 6 Shlomo Archibald 11 Delores DeVan 3 Write-In 0 Undervores 0 Commissioner Seat 1 George Fisk 19 Write-In 0 Undervores 1 Referendum A Yes 12 No 6 Undervore 2 President of the United States James Collins 1 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 Undervotes 1 Dame Scollins 1 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Referendum A Yes 12 No 6 Cundervote 1 President of the United States James Collins 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 5 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 7 Undervotes 7	County Chief Executive	
Charles Place 7 Write-In 0 Undervores 0 Undervores 7 Geral O Douglas Stone 7 Geral O Douglas Stone 6 Greg Ortiz 6 Shlomo Archibald 11 Delores DeVan 3 Write-In 0 Undervores 0 Commissioner Seat 1 George Fisk 19 Write-In 0 Undervores 1 Referendum A Yes 12 No 6 Undervore 2 President of the United States James Collins 1 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 Undervotes 1 Dame Scollins 1 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Referendum A Yes 12 No 6 Cundervote 1 President of the United States James Collins 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 1 Undervotes 5 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 6 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 7 Undervotes 6 Undervotes 7 Undervotes 7	Micheal Santarcangelo	
Write-In 0 Undervotes 0 P President of the United States James Collins	Charles Place	
School Director Region 6		
School Director Region 6 Douglas Stone 7 Gerald Danson 13 Greg Ortiz 6 Shlomo Archibald 11 Douglas Stone 7 Gerald Danson 13 Greg Ortiz 6 Shlomo Archibald 11 Douglas Stone 1 George DeVan 3 Write-In 0 Undervotes 0 O Undervotes 1 George Fisk 19 Write-In 0 Undervotes 1 George Fisk 19 Write-In 0 Undervotes 1 Write-In 1 Undervote 2 O O O O O O O O O		
Dougla Stone 7	Undervotes	U
Dougla Stone 7	School Director Pegion 6	
Geral Danson 13 Greg Ortiz 6 Shlomo Archibald 11 Delores DeVan 3 Write-In 0 Undervotes 1 Greg Ortiz 6 Groge Fisk 19 Write-In 0 Undervote 1 President of the United States James Collins 1 Alexander P. Bicke 4 Carol Koethen 3 Write-In 1 Undervote 1 Undervote 1 Indervote 1 President of the United States James Collins 1 Alexander P. Bicke 4 Carol Koethen 3 Write-In 1 Undervote 1 United States Senator Bob Ford 7 Colby Lincol 12 Write-In 1 Undervote 0 Representative in Congress 5th District Ben Baler 16 Write-In 2 Undervote 0 Representative in Congress 5th District Ben Baler 16 Write-In 2 Undervote 0 Representative in Congress 5th District Ben Baler 16 Write-In 2 Undervote 0 Representative in Congress 5th District Ben Baler 16 Write-In 2 Undervote 0 Representative in Congress 5th District Ben Baler 16 Write-In 2 Undervote 0 Governor		
Greg Ortiz 6 Shlomo Archibald 11 Delores DeVan 3 Write-In 0 Undervotes 0 Commissioner Seat 1 George Fisk 19 Write-In 0 Undervotes 1 Referendum A Yes 12 No 6 Undervote 2 Precinct 2 REP Precinct 2 REP President of the United States James Collins 11 Alexander P, Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Unidervotes 2 Governor		
Greg Ortiz 6 Shlomo Archibald 11 Delores DeVan 3 Write-In 0 Undervotes 0 Commissioner Seat 1 George Fisk 19 Write-In 0 Undervotes 1 Referendum A Yes 12 No 6 Undervote 2 Precinct 2 REP Precinct 2 REP President of the United States James Collins 11 Alexander P, Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Unidervotes 2 Governor	Gerald Danson	13
Shlomo Archibald		
Delores DeVam 3 Write-In 0 Undervotes 0 Commissioner Seat I George Fisk 19 Write-In 0 Undervotes 1 Referendum A Yes 12 No 6 Undervote 2 Precinct 2 REP President of the United States James Collins Alexander P. Bicket 4 Carol Koethen 3 Write-In Undervotes 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 14 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 12 Undervotes 2 Governor Undervotes 2 Covernor Undervotes 2 Covernor President Senator Bob Ford 10 11 12 13 14 15 15 15 15 15 15 15 15 15	Chlomo Archibald	
Write-In 0 Undervotes 0 Commissioner Seat 1 6 George Fisk 19 Write-In 0 Undervotes 1 Referendum A Yes 12 No 6 Undervote 2 President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 11 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th United States 10 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Undervotes 2 Governor		
Commissioner Seat 1 George Fisk 19 Write-In 0 Undervotes 1 Referendum A Yes 12 No 6 Undervote 2 Vincendum A Yes 12 No 14 Vincendum A Yes 15 Vincendum A Yes 15 Vincendum A Yes 16 Vincendum A Vinc		
Commissioner Seat 1 George Fisk 19 Write-In 0 Undervotes 1 Referendum A Yes 12 No 6 Undervote 2 Vincendum A Yes 12 No 14 Vincendum A Yes 15 Vincendum A Yes 15 Vincendum A Yes 16 Vincendum A Vinc	Write-In	0
George Fisk	Undervotes	
George Fisk		
George Fisk	Commissioner Seat 1	
Write-In 0 Undervotes 1 Referendum A *** Yes 12 No 6 Undervote 2 Precinct 2 REP Precinct 2 REP President of the United States James Collins Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Undervotes 2 Undervotes 3 Governor **Covernor** **Cove		10
No		
Referendum A Yes 12 No 6 Undervote 2 Precinct 2 REP Precinct 2 REP President of the United States James Collins I1 Alexander P. Bicket 4 Carol Koethen 3 Write-In Undervotes 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In Undervotes 0 Representative in Congress 5th District Ben Baker I6 Write-In 2 Undervotes 4 Unde		0
Yes 12 No 6 Undervote 2 Precinct 2 REP President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 11 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor	Undervotes	1
Yes 12 No 6 Undervote 2 Precinct 2 REP President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 11 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
No 6 Undervote 2 Precinct 2 REP President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
No 6 Undervote 2 Precinct 2 REP President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor	Yes	12
Precinct 2 REP President of the United States		
Precinct 2 REP President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Write-In 1 Undervotes 12 Write-In 1 Undervotes 12 Write-In 2 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor	Olidervote	
President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Write-In 1 Undervotes 12 Write-In 1 Undervotes 12 Write-In 2 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
President of the United States James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Write-In 1 Undervotes 12 Write-In 1 Undervotes 12 Write-In 2 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor	Precinct 2 REP	
James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor 4		
James Collins 11 Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor 4	President of the United State	es s
Alexander P. Bicket 4 Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
Carol Koethen 3 Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
Write-In 1 Undervotes 1 United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 15 Governor		
United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 15 Governor		
United States Senator Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 15 Governor	Write-In	1
Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor	Undervotes	1
Bob Ford 7 Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
Colby Lincoln 12 Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
Write-In 1 Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor	Colby Lincoln	12
Undervotes 0 Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
Representative in Congress 5th District Ben Baker 16 Write-In 2 Undervotes 2 Governor		
Ben Baker 16 Write-In 2 Undervotes 2 Governor	Officer votes	U Company of the Comp
Ben Baker 16 Write-In 2 Undervotes 2 Governor	Representative in Congress 4	5th District
Write-In 2 Undervotes 2 Governor		
Undervotes 2 Governor		
Governor		
	Undervotes	2
	Governor	
Deal Entropy 5		5
	Dean Linusey	J

Don Etter	5
Joe Carlton	7
Edwin Lewis	2
Samuel Lawton	1
Write-In	0
Undervotes	0
Ullucivotes	0
Lieutenant Governor	
Scott Montes	4
Saul Currier	5
Arnold Krill	9
Write-In	2
Undervotes	0
	11 02 171 11
Representative in the General	Assembly 83rd District
Harry Rider	13
Tiarry Rider	
Robert Tyrell	6
Write-In	1
Undervotes	0
Presidential Nomination Dele	gation
Claria Dillian	
Gloria Dillion	11
Heather Heidelbaugh	8
Herbert Devine	8
George A. Fisk	3
Doris Shiddles	4
Andre Ninia	4
Brian Getz	5
Chad Snow	3
Diane Rubin	3
Elizabeth Piazza	4
Write-In	5
Undervotes	2
Judge of the Superior Court	
Richard Maxian	5
Marjorie Hall	5
Robert L. Linkey	9
Write-In	1
Undervotes	0
Judge of the Commonwealth	Court
Chris Carpenter	17
Chris Carpenter	
Write-In	1
Undervotes	2
Chuci voics	-
Judge of the Court of Commo	on Pleas
Mary I Daniel	
Mary L. Daniel	13
John Roy	6
Jack "Duke" Brodisky	13
Jack Duke Diouisky	
Jon Young	4
Vic Stabile	4
Write-In	0
Undervotes	0
2 -1401 / 0100	
County Chief Executive	
Norman Powers	11
Sandra Reilly	8
Write-In	0
Undervotes	1
Sahaal Diwaston Danian (
School Director Region 6	
Gerald Danson	12
Greg Ortiz	
Greg Ortiz	8
Shlomo Archibald	11
Delores DeVan	4
Write-In	2
Undervotes	3
Chaci votes	

Commissioner Seat 2	
Steve West	15
Write-In	4
Undervotes	1
Referendum A	
Yes	15
No	3
Undervote	2
Ulidervote	
Precinct 2 DEM	
President of the United States	
Barry Josey	11
Calvin Marino	6
Write-In	
	2
Undervotes	1
United States Senator	
Oscar Draper	10
Carter McGaw	
	7
Write-In	2
Undervotes	1
Representative in Congress 5t	
Barbara Barret Hicks	13
Clinton Testo	5
Write-In	2
Undervotes	0
Governor	
Charles Jasen	12
Shirley Henning	6
Write-In	2
Undervotes	0
Lieutenant Governor	
Sherman R. Bucher	5
Richard V. Suits	1
Tabathia Song	4
Kenneth Interlicchio	9
Write-In	1
Undervotes	0
Chack votes	
Representative in the General	Assembly 83rd District
R. J. Abbott	14
Peter F. Saxton	4
Write-In	1
Undervotes	1
Undervotes	1
Presidential Nomination Deleg	gation
Vincent Seymour	7
Toni Hamilton	13
Sam Patel	9
Robert Rocco	13
Renee Cohn Jubelrier	8
Morton Steele	9
Mary Burke	
Nyda E. Hambin	
Write-In	4
Undervotes	9
Indee of the Comeries Count	
Judge of the Superior Court	
Linda Gapp	7
Patricia Smallmon	11
Write-In	2
Undervotes	0

Judge of the Commonwealth (Court
Eugene Ruff	10
Lewis Tese	8
Write-In	1
Undervotes	1
Judge of the Court of Common	n Pleas
Joanne Shollzert	13
Kerry Jones	11
Steven Miller	8
Shirley Henning	5
Write-In	0
Undervotes	3
County Chief Executive	
Micheal Santarcangelo	12
Charles Place	7
Write-In	0
Undervotes	1
School Director Region 6	
Douglas Stone	3
Gerald Danson	12
Greg Ortiz	7
Shlomo Archibald	11
Delores DeVan	4
Write-In	1
Undervotes	2
Chaci votes	
Commissioner Seat 2	
Tetty Rogiers	17
Write-In	1
Undervotes	2
Clidervotes	2
Referendum A	
Yes	8
No No	5
Undervote	7
Ulidervote	
Precinct 3 REP	
President of the United States	
James Collins	9
Alexander P. Bicket	5
Carol Koethen	4
Write-In	1
Undervotes	1
Clider voices	•
United States Senator	
Bob Ford	5
Colby Lincoln	11
Write-In	3
Undervotes	1
Clider voices	•
Representative in Congress 10	th District
Cheryl Simon	7
Lois Koss	12
Write-In	1
Undervotes	$\stackrel{\circ}{0}$
Chaci votes	
Governor	
Dean Lindsey	5
Don Etter	5
Joe Carlton	7
Edwin Lewis	2
Samuel Lawton	1
Write-In	0
Undervotes	

T	
Lieutenant Governor	
Scott Montes	9
Saul Currier	3
Arnold Krill	7
Write-In	1
Undervotes	0
Olidervotes	U .
Representative in the General	
Peter Valle	15
Write-In	4
Undervotes	1
Presidential Nomination Deleg	rection
Gloria Dillion	6
Heather Heidelbaugh	6
Herbert Devine	6
George A. Fisk	8
Doris Shiddles	5
Andre Ninia	7
Brian Getz	5
Chad Snow	7
Diane Rubin	3
Elizabeth Piazza	3
Write-In	1
Undervotes	3
Judge of the Superior Court	
Richard Maxian	6
Marjorie Hall	4
Robert L. Linkey	9
Write-In	1
	0
Undervotes	U
T. L. CAL. C	
Judge of the Commonwealth	
Chris Carpenter	16
Write-In	1
Undervotes	3
Judge of the Court of Commo	n Pleas
Mary L. Daniel	11
John Roy	5
Jack "Duke" Brodisky	12
Jon Young	5
Vic Stabile	3
Write-In	2
Undervotes	2
County Chief Executive	
Norman Powers	12
Sandra Reilly	8
Write-In	0
Undervotes	Ö
Chacrystes	
School Director Region 6	
Gerald Danson	10
Greg Ortiz	7
Shlomo Archibald	16
Delores DeVan	7
Write-In	
Undervotes	0
Commissioner Seat 3	
William Malicki	13
Gary Klemann	6
Write-In	0
Undervotes	1
Referendum A	
Yes	12
No	5

Undervote	3	
Precinct 3 DEM		
President of the United Stat	tes	
Barry Josey	7	
Calvin Marino	11	
Write-In	2	
Undervotes	0	
United States Senator		
Oscar Draper	11	
Carter McGaw	8	
Write-In	1	
Undervotes	0	
Representative in Congress	10th District	
William Sullivan	17	
Write-In	2	
Undervotes	1	
Governor		
Charles Jasen	11	
Shirley Henning	7	
Write-In	1	
Undervotes	1	
Lieutenant Governor		
Sherman R. Bucher	7	
	2	
Richard V. Suits		
Tabathia Song	3	
Kenneth Interlicchio	6	
Write-In	1	
Undervotes	1	
Representative in the Gene Neil Carey Saul Currier	14 5	
Write-In	1	
Undervotes	0	
Presidential Nomination De	elegation	
Vincent Seymour	8	
Toni Hamilton	11	
Sam Patel	9	
Robert Rocco	11	
Renee Cohn Jubelrier	9	
Morton Steele	8	
Mary Burke	5	
Nyda E. Hambin	4	
Write-In	$\frac{1}{2}$	
Undervotes	13	
Judge of the Superior Cour	rt	
Linda Gapp		
Linua Gapp	6	
Patricia Smallmon	13	
Write-In	1	
Undervotes	0	
Judge of the Commonwealt	h Court	
Eugene Duce		
Eugene Ruff	13	
Lewis Tese	7	
Write-In	0	
Undervotes	0	
Judge of the Court of Com	non Pleas	
Joanne Shollzert	13	
Kerry Jones	13	
excity Jones	10	

Steven Miller	
Steven Miller	6
Shirley Henning	4
Write-In	3
Undervotes	1
Cildervotes	1
County Chief Executive	
Micheal Santarcangelo	14
Charles Place	5
Write-In	1
Undervotes	0
Sahaal Director Degion 6	
School Director Region 6	
Douglas Stone	7
Gerald Danson	11
Greg Ortiz	5
Shlomo Archibald	11
Delores DeVan	5
Write-In	1
Undervotes	0
1	
Commissioner Seat 3	
	10
Arnold Wells	19
Write-In	1
Undervotes	0
Referendum A	
	10
Yes	10
No	10
Undervote	0
D 1 12N D 1	
Precinct 3 Non Partisan	
Referendum A	
Yes	2
No	2
Undervote	1
Cumulative Totals RE	
Cumulative Totals Ki	
President of the United States	
James Collins	20
	30
Alexander P. Ricket	30 13
Alexander P. Bicket	13
Carol Koethen	13 10
Carol Koethen Write-In	13 10 4
Carol Koethen	13 10
Carol Koethen Write-In	13 10 4
Carol Koethen Write-In Undervote	13 10 4
Carol Koethen Write-In Undervote United States Senator	13 10 4 3
Carol Koethen Write-In Undervote United States Senator Bob Ford	13 10 4 3
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln	13 10 4 3
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In	13 10 4 3
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln	13 10 4 3
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In	13 10 4 3 18 35 6
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote	13 10 4 3 18 35 6 1
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5ti	13 10 4 3 18 35 6 1
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker	13 10 4 3 18 35 6 1 1 h District
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In	13 10 4 3 18 35 6 1 h District 31 6
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker	13 10 4 3 18 35 6 1 1 h District
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In	13 10 4 3 18 35 6 1 h District 31 6
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote	13 10 4 3 18 35 6 1 1 h District 31 6 3
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10	13 10 4 3 18 35 6 1 1 h District 31 6 3
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon	13 10 4 3 18 35 6 1 h District 31 6 3 th District 7
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss	13 10 4 3 18 35 6 1 1 h District 31 6 3
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss	13 10 4 3 18 35 6 1 h District 31 6 3 th District 7
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss Write-In	13 10 4 3 18 35 6 1 1 h District 31 6 3 th District 7 12 1
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss	13 10 4 3 18 35 6 1 h District 31 6 3 th District 7
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss Write-In Undervote	13 10 4 3 18 35 6 1 1 h District 31 6 3 th District 7 12 1
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss Write-In Undervote Governor	13 10 4 3 18 35 6 1 h District 31 6 3 th District 7 12 1 0
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss Write-In Undervote Governor Dean Lindsey	13 10 4 3 18 35 6 1 h District 31 6 3 th District 7 12 1 0
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss Write-In Undervote Governor Dean Lindsey	13 10 4 3 18 35 6 1 h District 31 6 3 th District 7 12 1 0
Carol Koethen Write-In Undervote United States Senator Bob Ford Colby Lincoln Write-In Undervote Representative in Congress 5th Ben Baker Write-In Undervote Representative in Congress 10 Cheryl Simon Lois Koss Write-In Undervote Governor	13 10 4 3 18 35 6 1 h District 31 6 3 th District 7 12 1 0

Edwin Lewis 6 Samuel Lawton 3 Write-In 0 Undervotes 0 Lieutenant Governor 17 Scott Montes 17 Saul Currier 12 Arnold Krill 25 Write-In 5 Undervotes 1	
Write-In 0 Undervotes 0 Lieutenant Governor Scott Montes 17 Saul Currier 12 Arnold Krill 25 Write-In 5	
Undervotes 0 Lieutenant Governor Scott Montes 17 Saul Currier 12 Arnold Krill 25 Write-In 5	
Undervotes 0 Lieutenant Governor Scott Montes 17 Saul Currier 12 Arnold Krill 25 Write-In 5	
Lieutenant Governor Scott Montes 17 Saul Currier 12 Arnold Krill 25 Write-In 5	
Scott Montes 17 Saul Currier 12 Arnold Krill 25 Write-In 5	
Scott Montes 17 Saul Currier 12 Arnold Krill 25 Write-In 5	
Saul Currier 12 Arnold Krill 25 Write-In 5	
Arnold Krill 25 Write-In 5	
Write-In 5	
Write-In 5	
Undervotes	
	A Production
Representative in the General Assembly 83r	rd District
Harry Rider 25	
Robert Tyrell 12	
Write-In 3	
Undervotes 0	
D	nd Pintai d
Representative in the General Assembly 84r	iu District
Peter Valle 15	
Write-In 4	
Undervotes 1	
51132170005	
Presidential Nomination Delegation	
Gloria Dillion 31	
Heather Heidelbaugh 22	
Herbert Devine 27	
George A. Fisk 15	
Doris Shiddles 13	
Andre Ninia 14	
Brian Getz 13	
Chad Snow 12	
Diane Rubin 7	
Elizabeth Piazza 9	
Write-In 11	
Undervotes 6	
Judge of the Superior Court	
Richard Maxian 16	
Marjorie Hall	
Robert L. Linkey 26	
Write-In 3	
Undervotes 1	
Chack total	
Judge of the Commonwealth Court	
Chris Carpenter 50	
Write-In 3	
Undervotes 7	
Judge of the Court of Common Pleas	
Mary L. Daniel 36	
John Roy 14	
Jack "Duke" Brodisky 36	
Vic Stabile 10	
Write-In 4	
Undervotes 6	
County Chief Executive	
Norman Powers 35	
Sandra Reilly 22	
Write-In 1	
Undervotes 2	
School Director Region 6	
Gerald Danson 33	
Greg Ortiz 21	
Shlomo Archibald 41	
Delores DeVan 17	

Write-In	3
Undervotes	5
1	
C C 1 DED	
Commissioner Seat 1 REP	
Stephen Harrick	16
Write-In	2
Undervotes	2
Undervotes	
C	
Commissioner Seat 2 REP	
Steve West	15
Write-In	4
Undervotes	1
Chacryotes	1
Commissioner Seat 3 REP	
William Malicki	13
Gary Klemann	6
Write-In	0
Undervotes	1
D.C A DED	
Referendum A REP	
Yes	39
No	13
Undervote	8
Cilder voice	
Cumulative Totals 1	DEM.
Cumulative Totals	DENI.
President of the United Sta	tes
Barry Josey	24
Daily Josey	
Calvin Marino	29
Write-In	5
Undervotes	2
United States Senator	
	24
Oscar Draper	34
Carter McGaw	21
Write-In	4
Undervotes	1
Undervotes	1
Representative in Congress	s 5th District
Barbara Barret Hicks	26
Clinton Testo	11
Write-In	3
Undervotes	0
Chachyoids	
Representative in Congress	2.10th District
	17
Write-In	2
Undervotes	1
Governor	
Charles Jasen	35
	35
Shirley Henning	20
Write-In	4
Undervotes	1
1	
Lieutenant Governor	
	16
Sherman R. Bucher	15
Richard V. Suits	6
Tabathia Song	11
Kenneth Interlicchio	24
Write-In	3
Undervotes	1
D	14
Representative in the Gene	ral Assembly 85rd District
R. J. Abbott	26
	10
Peter F. Saxton	10
Write-In	2
44 1 1 (C-11)	4

Undervotes	2
Representative in the Genera	
Neil Carey	14
Saul Currier	5
Write-In	1
Undervotes	0
Presidential Nomination Del	
Vincent Seymour	23
Toni Hamilton	34
Sam Patel	27
Robert Rocco	35
Renee Cohn Jubelrier	26
Morton Steele	25
Mary Burke	14
Nyda E. Hambin	12
Write-In	11
Undervotes	33
Judge of the Superior Court	
Linda Gapp	19
Patricia Smallmon	36
Write-In	4
Undervotes	1
Judge of the Commonwealth	
Eugene Ruff	34
Lewis Tese	23
Write-In	1
Undervotes	2
	m.
Judge of the Court of Comm	
Joanne Shollzert	38
Kerry Jones	37
Steven Miller	20
Shirley Henning	14
Write-In	4
Undervotes	7
County Chief Executive	
Micheal Santarcangelo	39
Charles Place	19
Write-In	1
Undervotes	1
School Director Region 6	
Douglas Stone	17
Gerald Danson	36
Greg Ortiz	18
Shlomo Archibald	33
Delores DeVan	12
Write-In	2
Undervotes	2
Commissioner Seat 1 DEM	
George Fisk	19
Write-In	0
Undervotes	1
Commissioner Seat 2 DEM	
Tetty Rogiers	17
Write-In	1
Undervotes	2
Commissioner Seat 3 DEM	
	10
Arnold Wells	19

Write-In	1		
Undervotes	0		
Referendum A DEM			
Yes	30		
No	21		
Undervote	9		
	,		
Chacryote	,		
	als Non Partisan:		
Cumulative Tot			
Cumulative Tot	als Non Partisan:		

Election Definition: Pennsylvania Certification General Election

General Election Description:

A general election combining presidential year contests, non-presidential year contests, and municipal contests into a single election held in 3 precincts one of which is a split precinct on the "Representative in the General Assembly" contests. This election contains 21 contests compiled into 4 ballot styles (excluding language styles). 15 of the contests are in all ballot styles. The other 6 are split between at least 2 of the precincts with a maximum of 21 different contests spread across the 3 precincts. All voting variations supported by the Commonwealth of Pennsylvania are defined in this election. The voting variations are as follows:

- Partisan contest
- Non-Partisan contest
- N of M contest
- Referendum contest
- Retention Contest
- Straight Party voting
- Write-In voting
- Split Precinct
- Cross-Party Nominated

This general election was designed to functionally test the handling of multiple ballot styles across geographical subdivisions, support for English and Spanish languages, support for all Pennsylvania voting variations, and audio support for English and Spanish.

Configuration:

EMS computer loaded with software certified for use in Pennsylvania to create the following configuration:

Name: Pennsylvania Certification General Election Voting Devices: 1 machine for each precinct

Precincts: Precinct 1, Precinct 2 split into 2a and 2b, Precinct 3

Parties: Republican, Democratic, Green, Libertarian

Languages: English, Spanish

Totals Contests: 21 Contests as follows:

Precinct 1	Precinct 2a	Precinct 2b	Precinct 3	
		Straight Party		
Republican				
Democratic				
Green				
Libertarian				
	President/Vio	ce President of the United States		
		of One Party for President and Vice	President	
	or inse	ert the names of candidates		
James Collins				
Arthur Remus				

Republican Calvin Marino Keith Satterwhite Democratic John P. Defazio Louis Denn Green June Perkins David Heroux Libertarian Write-In **United States Senator** Vote for One Colby Lincoln Republican Oscar Draper Democratic Eric Sheely Libertarian Write-In Representative in Congress Representative in Congress 5th District 10th District Vote for One Vote for One Ben Baker Lois Koss Republican Republican Barbara Barrett Hicks William Sullivan Democratic Democratic Write-In Write-In Governor/Lieutenant Governor Vote for the Candidate of One Party for Governor and Lieutenant Governor Joe Carlton Arnold Krill Republican Charles Jasen Kenneth Interlicchio Democratic Robert Marsh Theodore Kopp Green Write-In Representative in the General Assembly 83rd District Representative in the General Assembly 84th District Vote for One Vote for One Harry Rider Peter Valle Republican Republican R. J. Abbott **Neil Carey** Democratic Democratic

Derek Carlson Libertarian	Write-In	
Write-In		
	Judge of the Superior Court Vote for One	
Robert L .Linkey Republican		
Patricia Smallmon Democratic		
Write-In		
	Judge of the Commonwealth Court	
	Vote for One	
	Vote for one	
Chris Carpenter Republican		
Eugene Ruff Democratic		
Write-In		
	Judge of the Court of Common Pleas	
	Vote for Not More Than Two	
Mary L. Daniel Republican		
Jack "Duke" Brodisky Republican		
Joanne Schollzert Democratic		
Kerry Jones Democratic		
Write-In		
Write-In		
	County Chief Executive	
	Four Year Term Vote for One	
Norman Powers Republican		
Micheal Santarcangelo Democratic		
Write-In		
	County Controller	
	Four Year Term	
	Vote for One	
Paul M Bertel-Lincoln Republican		

Donna Berke Democratic Write-In **District Attorney** Four Year Term Vote for One Franklin Margo Republican **Donald Hensley** Democratic Write-In **School Director** Region 6 Four Year Term Vote for Not More Than Two Gerald Danson Republican/Democratic Shlomo Archibald Republican/Democratic Write-In Write-In Commissioner Commissioner Commissioner Seat 1 Seat 2 Seat 3 Four Year Term Four Year Term Four Year Term Vote for One Vote for One Vote for One Stephen Harrick Steve West William Malicki Republican Republican Republican George Fisk **Tetty Rogiers** Arnold Wells Democratic Democratic Democratic Write-In Write-In Write-In Statewide Referendum Water and Sewer Improvements Bond Referendum

Do you favor the incurring of indebtedness by the Commonwealth of \$400,000,000 for grants and loans to municipalities and public utilities for the cost of all labor, materials, necessary operational machinery and equipment, lands, property, rights and easements, plans and specifications, surveys, estimates of costs and revenues, prefeasibility studies, engineering and legal services and all other expenses necessary or incident to the acquisition, construction, improvement, expansion, extension, repair or rehabilitation of all or part of the drinking water system, storm water, nonpoint source projects, nutrient credits and wastewater treatment system projects?

Yes

No

Retention of Tony Grzanich

Shall Tony Grzanich be retained for an additional term as Justice of the Supreme Court of the Commonwealth of Pennsylvania?

Yes

No			
	Retention of I	Debbie Marks	
Shall Debbie Marks be retain	ined for an additional term as Justice	of the Supreme Court of the Con	nmonwealth of Pennsylvania?
Yes			
No			
Spanish Significations 14	Distrite sleeterel 2s	Districts also stored Ob	District alectoral 2
Distrito electoral 1	Distrito electoral 2a Partido	Distrito electoral 2b íntegro	Distrito electoral 3
Republicano			
Demócrata			
Verde			
Libertario			
	Presidente/Vicepresident Vote para el candidato de un partid	lo para presidente y vicepresiden	te
	o inserte los nombre	es de los candidatos	
James Collins Arthur Remus			
Republicano			
Calvin Marino Keith Satterwhite			
Demócrata			
John P. Defazio			
Louis Denn Verde			
June Perkins			
David Heroux <i>Libertario</i>			
Por escrito			
	Senador de los	Fetados Unidos	
	Vote p		
Colby Lincoln			
Republicano			
Oscar Draper Demócrata			
Eric Sheely <i>Libertario</i>			
Por escrito			
	Representante en el Congreso 5º Distrito		Representante en el
	Vote por uno		Congreso 10.° Distrito
Ben Baker			Vote por uno
Republicano			Lois Koss

	Republicano
Barbara Barret Hicks Demócrata	William Sullivan Demócrata
Por escrito	Por escrito
Goberna	ador/vicegobernador
Vote para el candidato de un	n partido para gobernador y vicegobernador
Joe Carlton Arnold Krill <i>Republicano</i>	
Charles Jasen Kenneth Interlicchio <i>Demócrata</i>	
Robert Marsh Theodore Kopp Verde	
Por escrito	
Representante en la Asamblea General 83.º Distrito Vote por uno	Representante en la Asamblea General 84.º Distrito Vote por uno
Harry Rider Republicano	Peter Valle Republicano
R. J. Abbott Demócrata	Neil Carey Demócrata
Derek Carlson Libertario	Por escrito
Por escrito	
	de la corte suprema Vote por uno
Robert L. Linkey <i>Republicano</i>	
Patricia Smallmon Demócrata	
Por escrito	
Juez de	e la corte del estado Vote por uno
Chris Carpenter Republicano	
Eugene Ruff Demócrata	
Por escrito	
Juez de la co	orte de primeras instancias ote por más de dos
Manul Daniel	

Republicano	
Jack "Duke" Brodisky	
Republicano	
Joanne Schollzert	
Demócrata	
Domodiala	
Kerry Jones	
Demócrata	
Por escrito	
Por escrito	
Por escrito	
	Jefe principal del condado
	Término de cuatro años
	Vote por uno
5	
Norman Powers Republicano	
керивіїсано	
Micheal Santarcangelo	
Demócrata	
Por escrito	
	Contralor del condado
	Término de cuatro años
	Vote por uno
Paul M Bertel-Lincoln	
Republicano	
Donna Berke	
Demócrata	
Por escrito	
	Procurador del distrito
	Término de cuatro años
	Vote por uno
Franklin Margo	
Republicano	
Donald Hensley	
Demócrata	
Por escrito	
	Diverter de la constala
	Director de la escuela Región 6
	Término de cuatro años
	No vote por más de dos
	r
Gerald Danson	
Republicano/Demócrata	
Chloma Arabibald	
Shlomo Archibald Republicano/Demócrata	
перилисано/ренюстава	
Por escrito	
Por escrito	

Comisionado Puesto 1 Término de cuatro años	Comisionado Puesto 2 Término de cuatro años	Comisionado Puesto 3 Término de cuatro años
Vote por uno Stephen Harrick Republicano	Vote por uno Tetty Rogiers Republicano	Vote por uno William Malicki <i>Republicano</i>
George Fisk Demócrata	Steve West Demócrata	Arnold Wells Demócrata
Por escrito	Por escrito	Por escrito

Referendum a nivel estatal Referéndum de bono de mejoramientos de agua y drenaje

¿Está usted a favor de incurrir un endeudamiento por el Estado de \$400,000,000 por subvenciones y prestamos a municipalidades y servicios públicos por el cotos de toda la mano de obra, materiales, maquinaria operacional necesaria y equipo, tierras, propiedad, derechos y servidumbres, planos y especificación, encuestas, calculo de costos e ingresos, estudios de previabilidad, servicios de legales y de ingeniería y todos los gastos necesarios o incidente a la adquisición, construcción, mejora, expansión, extensión, reparación o rehabilitación de todo o parte del sistema de agua potable, agua pluviales, proyectos de recurso sin punto, créditos de nutrientes y proyectos de sistemas de tratamiento de aguas negras?

Sí

No

Retención de Tony Grzanich

¿Debe Tony Grzanich ser retenido por un término adicional como magistrado de la corte suprema del Estado de Pennsylvania?

Sí

No

Retención de Debbie Marks

¿Debe Debbie Marks ser retenida por un término adicional como magistrada de la corte suprema del Estado de Pennsylvania?

Sí

No

Voting Pattern:

Ballots will be voted and cast with the following pattern. Ballots 3 and 13 will be input using the alternative language option. Ballots 10 and 18 will be input using the ADA audio capability. Ballots 5 and 10 in Precinct 1 and Ballot 10 in Precinct 3 will exercise the Pennsylvania Method for straight party.

The following test pattern will be input for the given precinct:

Precinct 1	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Straight Party																				
Republican	Х		Х		Р	U	U		U		U	U	U	U		U	U	U	U	U
Democratic		Х		Х						Р										
Green																				
Libertarian								Χ							Χ					
					Pres	ident	/Vice	Pre	sider	nt of th	าe Un	ited S	States	i						
James Collins						Χ			Χ		Χ	Χ					Х			U
Arthur Remus																				
Calvin Marino							Х						Χ	Χ		Х		Χ		
Keith Satterwhite																				
John P. Defazio																				

Louis Denn																		
June Perkins						Χ							Χ					
David Heroux																		
Write-In																	Х	
					Ur	nited	State	s Ser	ator									
Colby Lincoln				Χ							Χ			Х				
Oscar Draper			1		Х				Х	Χ		Х	Х		Х	Х	Х	
Eric Sheely			+			Х									1	1	<u> </u>	
Write-In		_	_				Х											Х
VVIIIC III				onro	sont:	ative		ongre	ss 5 th	Dietr	ict	l	<u> </u>	l	l .	l .	1	
Ben Baker				X	X	1	<u> </u>	l		U		Χ	Χ		Х	1	Х	Х
Barbara Barrett			+-				Х		Х	-	Х		^			Х	^	
Hicks							^		^		^					^		
Write-In			-			Х		-						Х	1	-		1
vviile-iii				G	OVOR		iouto	nant (COVOR	nor				_ ^				
Joe Carlton			_	- 6	oven	X	X	liant (X	X		Х	Х	I	X	X	1	Х
Arnold Krill						^	^		^	^		^	^		^	^		^
Charles Jasen			-		Х						Х			Х		1	Х	1
					^						^			^			^	
Kenneth Interlicchio	,]]																	
			+			-	<u> </u>								<u> </u>			-
Robert Marsh	,]]																	
Theodore Kopp			+			-	<u> </u>								<u> </u>			-
Write-In				X	<u> </u>	41	<u> </u>		00	de co	rd D:	L 4=:	1	<u> </u>	<u> </u>	1	1	1
5:1		K6	eprese	ntati	ve ın	the	Gene	rai As	sem	oly 83			1		T 37		1	
Harry Rider			$+\!\!-\!\!\!-$		 	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	!	ļ			Х	Х	 	ļ	Х	Х	L.,	Х
R. J. Abbott		$-\!\!\!\!+\!\!\!\!\!-$	\bot	Χ	<u> </u>	Х	<u> </u>	<u> </u>		Χ			L.,				Х	<u> </u>
Derek Carlson							Χ						Χ				ļ	
Write-In					Χ				Χ					Χ				
					Judg		he S	uperio	r Cou	ırt								
Robert L. Linkey				Χ		Х			U			Χ			Х			
Patricia Smallmon					Χ		Χ			Χ	Χ		Χ	Х		Χ	Χ	
Write-In																		Х
	•			Judg	ge of	the (Comr	nonw	ealth	Court	t							
Chris Carpenter						Χ	Χ		Χ			Χ		Χ				
Eugene Ruff				Х	Χ					Χ			Χ		Х	Х		
Write-In											Χ						Χ	Х
				Judg	e of t	he C	ourt	of Co	mmor	Plea	S							
Mary L. Daniel				Χ					Χ	Χ	Χ				X	Χ	Χ	Χ
Jack "Duke"				Χ	Χ				Χ	Х		Х					Х	Х
Brodisky																		
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Joanne Schollzert Kerry Jones					Х			P			X	Х			X	Х		
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James Collins	X			Х	X			Х	Х		Х		Х	Х		X
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Calvin Marino Keith Satterwhite		^					Α									
John P. Defazio	_									Х		Х				
Louis Denn										^		^				
June Perkins	_		Х												Х	
David Heroux			^													
Write-In	_															
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Oscar Draper	Х				Х			Χ					Х			
Eric Sheely			Х												Χ	
Write-In																
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Lois Koss	X		Х	Χ	Χ		Χ		Χ	Χ		Χ		U	Χ	Χ
William Sullivan		Χ						Χ					Χ			
Write-In											Χ					
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Joe Carlton	X	Х		Х			Χ				Х		Х		Х	
Arnold Krill			<u> </u>													
Charles Jasen			Х					Х						Х		Χ
Kenneth																
Interlicchio	-	1	ļ	1					1		1					1
Robert Marsh										Х		Х				
Theodore Kopp					V				V							
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Peter Valle		ntati				rai As	X	JIY 04		trict	X		U	Х		
Neil Carey	X	Х	Х	Х	X		Λ	Х	Х	Х	Α_	Х	U	Λ	Х	
Write-In	_	^						^		^		^			^	Х
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Robert L. Linkey	X	Х	Juage	X	ne su	upenc	X	X		Х		Х	Х	Х		Х
Patricia Smallmon	^	^	Х	^	Х		^	^		^	Х	^	^	^	Х	^
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Chris Carpenter	Х	T T	900.	X	<u> </u>		X	l	Х		Χ	Х		Х	Х	Χ
Eugene Ruff	- 	Х	Х		Х					Х			Х			
Write-In								Х								
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Mary L. Daniel						01 G 01	nmoı									
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Jack "Duke"	X	X	X	Х		oi coi	nmor		Х	Х	U	X	X		X	X
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Jack "Duke" Brodisky Joanne Schollzert	X			Х	X	01 001	X	X	X	X				X		
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones	X	X	Х					X	X					X		
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In	X	X	Х	Х	X	P	X		X							
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones	X	X	X	X	X	P	X	X								
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In	X	X	X	X	XXX	P	XXX	X	X		U	X		X		X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers	X	X	X	X	X	P	X	X		U			X		X	
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal	X	X	X	X	XXX	P	XXX	X	X		U	X		X		X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo	X	X	X	X	XXX	P	XXX	X	X	U	U	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal	X	X	X X X Coo	X	X X Chief	P U f Exec	X X x utive	X	X	U	U	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in	X	X	X X X Cool	X X unty X	X X Chief X	P	X X utive	X	X	U	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel-	X	X	X X X Coo	X	X X Chief	P U f Exec	X X x utive	X	X	U	U	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln	X	X	X X X Cool	X X unty X	X X Chief X	P U f Exec	X X utive	X	X	X	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln Donna Berke	X	X	X X X Cool	X X unty X	X X Chief X	P U f Exec	X X utive	X	X	U	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln	X	X	X X X X X X X X X X X X X X X X X X X	x X X X X X X X X X X X X X X X X X X X	Chief X	P U f Exec	x X x utive X	X	X	X	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln Donna Berke Write-In	X	X	Coo	x X X X X X X X X X X X X X X X X X X X	Chief X	P U f Exec	X X uutive X	X	X	X	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln Donna Berke Write-In Franklin Margo	XXX	X	X X X X X X X X X X X X X X X X X X X	x x unty x	X X X Chief X	P U f Exec	x X x utive X	X	X	X	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln Donna Berke Write-In Franklin Margo Donald Hensley	X	X	Coo	x X X X X X X X X X X X X X X X X X X X	Chief X	P U f Exec	X X uutive X	X	X	X	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln Donna Berke Write-In Franklin Margo	XXX	X	Cool	x x x x x x x x x x x x x x x x x x x	X X X Chief X X X X X X X X X X X X X X X X X X X	PUfExec	x x x x utive x	X	X	X	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln Donna Berke Write-In Franklin Margo Donald Hensley Write-In	X X X	X	Cool X	X X unty X Count X District X	Chief X	P U f Exec	x x x x utive x	X	X	X	X	X	X	X	X	X
Jack "Duke" Brodisky Joanne Schollzert Kerry Jones Write-In Write-In Norman Powers Micheal Santarcangelo Write-in Paul M Bertel- Lincoln Donna Berke Write-In Franklin Margo Donald Hensley Write-In Gerald Danson	X X X	X	Cool X X X X X X X X X X X X X X X X X X	X X unity X District X Oool E	Chief X Trict A X X X X X X X X X X X X X	PUfExec	x x x utive x	X X X X X X X X X X X X X X X X X X X	X	X X X	X	X	X	X	X	X
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William Malicki						Χ	Χ	Χ				Χ	Χ		Χ		X	U	Χ	
Arnold Wells					Χ				Χ					Χ		Χ				Х
Write-in											Χ									
							Sta	atewi	de R	eferer	ndum									
Yes	Х				Х			Х		U		Х			Х				U	X
No		Х	Х	Х		Х	Х		Х		Χ		Х	Х		Х	Х	Х		
							Reter	ntion	of To	ony G	rzani	ch								
Yes	Х	Х	Х		Х	Х		Х		Χ	Χ	Χ		Х	Х		Х		Х	X
No				Х			Х		Х				Х			Х		Х		
							Rete	ntion	of D	ebbie	Marl	(S								
Yes		Х		Х		Х		Х		Χ	Χ	Χ	Х						Х	Х
No	Х		Х		Х		Х		Х					Х	Х	Х	Х	Х		

Test Results:

Precinct 1: Straight Party

Republican 3
Democratic 3
Green 0
Libertarian 2
Undervote 12

President/Vice President of the United States

James Collins
Arthur Remus 8
Calvin Marino
Keith Satterwhite 8
John P .Defazio
Louis Denn 0
June Perkins
David Heroux 2
Write-In 1
Undervote 1

United States Senator

 Colby Lincoln
 6

 Oscar Draper
 11

 Eric Sheely
 1

 Write-In
 2

 Undervote
 0

Representative in Congress District 5

Ben Baker 10 Barbara Barrett-Hicks 7 Write-In 2 Undervote 1

Governor/Lieutenant Governor

 Joe Carlton

 Arnold Krill
 12

 Charles Jasen
 7

 Kenneth Interlicchio
 7

 Robert Marsh
 7

 Theodore Kopp
 0

 Write-In
 1

 Undervote
 0

Representative in the General Assembly District 83

 Harry Rider
 8

 R.J. Abbott
 7

 Derek Carlson
 2

 Write-In
 3

 Undervote
 0

Judge of Superior Court	
Dobout I I :-1	7
Robert L. Linkey	7
Patricia Smallmon	11
Write-In	1
Undervote	1
Judge of the Commonwealth	h Court
Chris Carpenter	
Chris Carpenter	8
Eugene Ruff	9
Write-In	3
Undervote	0
Judge of the Court of Comn	non Pleas
Mary L. Daniel	11
Jack "Duke" Brodisky	10
Jack Duke Blodisky	
Joanne Scholzert	9
Kerry jones	7
Write-In	2
Undervote	1
County Chief Executive	
Norman Powers	8
Micheal Santarcangelo	9
Write-In	2
Undervote	1
County Controller	
Paul M. Bertel-Lincoln	8
Donna Berke	8
Write-In	2
	2
Undervote	2
District Attorney	
Franklin Margo	9
Donald Hensley	8
Write-In	3
Undervote	0
Olidervote	o .
GI ID: (D : (
School Director Region 6	
Gerald Danson	15
Shlomo Archibald	14
Write-In	7
Undervote	4
Commissioner Seat 1	
Stephen Harrick	13
Cooras Ei-1-	
George Fisk	6
Write-In	1
Undervote	0
Statewide Referendum	
Yes	6
No	12
Undervote	2
Onder vote	2
Detention of The Control	
Retention of Tony Grzanich	
Yes	11
No	8
Undervote	1
Retention of Debbie Marks	
Yes	11
No	7
Undervote	2
Officer vote	2
l 	
Precinct 2a:	
Straight Party	
Republican	4
Democratic	1

Green	0
Libertarian	2
Undervote	13
Chack vote	
D 11 4777 D 11 4 641	Y. t. 10
President/Vice President of the	e United States
James Collins	
Arthur Remus	13
Calvin Marino	
Keith Satterwhite	4
	4
John P. Defazio	
Louis Denn	0
June Perkins	
David Heroux	2
Write-In	
Undervote	0
United States Senator	
Colby Lincoln	12
Oscar Draper	5
Eric Sheely	2
Write-In	1
Undervote	0
Representative in Congress Di	strict 5
Ben Baker	
	13
Barbara Barrett-Hicks	5
Write-In	1
Undervote	1
Governor/Lieutenant Governo	ar.
	,
Joe Carlton	
Arnold Krill	13
Charles Jasen	
Kenneth Interlicchio	5
Robert Marsh	
Theodore Kopp	0
Write-In	1
Undervote	1
Representative in the General	Assambly District \$3
Harry Rider	11
R.J. Abbott	7
Derek Carlson	2
Write-In	0
Undervote	0
Index of Commission Count	
Judge of Superior Court	
Robert L .Linkey	12
Patricia Smallmon	6
Write-In	1
Undervote	1
Chack vote	
T 1 60 G 10	
Judge of the Commonwealth (
Chris Carpenter	13
Eugene Ruff	5
Write-In	1
Undervote	1
T 1 641 . G	, Nicolar
Judge of the Court of Common	
Mary L. Daniel	13
Jack "Duke" Brodisky	9
Joanne Scholzert	7
Kerry jones	6
Write-In	4
Undervote	1
County Chief Executive	
Norman Powers	13
Micheal Santarcangelo	5
Write-In	1

Undervote	1
	1
0 . 0 . 11	
County Controller	
Paul M. Bertel-Lincoln	11
Donna Berke	7
Write-In	Ó
Undervote	2
District Attorney	
Franklin Margo	9
D 1111 1	
Donald Hensley	10
Write-In	1
Undervote	0
Sahaal Director Bosion 6	
School Director Region 6	10
Gerald Danson	17
Shlomo Archibald	15
Write-In	5
Undervote	3
Commissioner Seat 2	
Steve West	11
Tetty Rogiers	6
Write-In	1
Undervote	
Undervote	2
Statewide Referendum	
Yes	6
	6
No	12
Undervote	2
Retention of Tony Grzanich	
Yes	15
No	3
Undervote	2
Retention of Debbie Marks	
	16
Yes	10
Yes No	15 4
Yes No Undervote	15 4 1
No	4
No Undervote Precinct 2b:	4
No Undervote Precinct 2b:	4
No Undervote Precinct 2b: Straight Party	4 1
No Undervote Precinct 2b: Straight Party Republican	1
No Undervote Precinct 2b: Straight Party Republican Democratic	1 4 1 4
No Undervote Precinct 2b: Straight Party Republican Democratic Green	1 1 4 3
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian	4 1 1 4 3 1
No Undervote Precinct 2b: Straight Party Republican Democratic Green	1 1 4 3
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote	1 1 4 3 1 11
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of the straight Party	1 1 4 3 1 11
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins	4 1 1 4 3 1 11 2the United States
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus	1 1 4 3 1 11
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins	4 1 1 4 3 1 11 2the United States
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino	1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite	4 1 1 4 3 1 11 2the United States
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of t James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio	1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of t James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn	1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins	1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of t James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn	1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins	1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of t James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux	4 1 1 4 3 1 11 2the United States 10 7 2 1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux Write-In Undervote	4 1 1 4 3 1 11 2the United States 10 7 2 1 0
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux Write-In Undervote United States Senator	1
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of t James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux Write-In Undervote United States Senator Colby Lincoln	4 1 1 4 3 1 11 2the United States 10 7 2 1 0
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of t James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux Write-In Undervote United States Senator Colby Lincoln	1 4 3 3 1 111 the United States 10 7 2 1 0 0 0
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux Write-In Undervote United States Senator Colby Lincoln Oscar Draper	1 4 3 1 11 11 11 11 11 11 11 11 11 11 11 11
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux Write-In Undervote United States Senator Colby Lincoln Oscar Draper Eric Sheely	4 1 4 3 1 11 2the United States 10 7 2 1 0 0 0
No Undervote Precinct 2b: Straight Party Republican Democratic Green Libertarian Undervote President/Vice President of to James Collins Arthur Remus Calvin Marino Keith Satterwhite John P. Defazio Louis Denn June Perkins David Heroux Write-In Undervote United States Senator Colby Lincoln Oscar Draper	1 4 3 1 11 11 11 11 11 11 11 11 11 11 11 11

Representative in Congres		
Ben Baker	8	
Barbara Barrett-Hicks	10	
Write-In	1	
Undervote	1	
G 77: 1 1 G		
Governor/Lieutenant Gov	ernor	
Joe Carlton		
Arnold Krill	8	
Charles Jasen		
Kenneth Interlicchio	8	
Robert Marsh	2	
Theodore Kopp	3	
Write-In Undervote	1 0	
Undervote	U	
Representative in the Gen	anal Accombly Dictriat 84	
Peter Valle	10	
Neil Carey	9	
Write-In	1	
Undervote	0	
Olidervote	O .	
Judge of Superior Court		
Robert L. Linkey	11	
Patricia Smallmon	8	
Write-In	1	
Undervote	0	
Olidel vote	G .	
Judge of the Commonwea	th Court	
Chris Carpenter	9	
Eugene Ruff	8	
Write-In	2	
Undervote	1	
Chactvote	·	
Judge of the Court of Con	umon Pleas	
Mary L. Daniel	9	
Jack "Duke" Brodisky	7	
Joanne Scholzert	9	
Kerry jones	8	
Write-In	4	
Undervote	3	
County Chief Executive		
Norman Powers	10	
Micheal Santarcangelo	8	
Write-In	1	
Undervote	1	
County Controller		
Paul M. Bertel-Lincoln	11	
Donna Berke	8	
Write-In	0	
Undervote	1	
District Attorney		
Franklin Margo	4	
Donald Hensley	16	
Write-In	0	
Undervote	0	
School Director Region 6		
Gerald Danson	17	
Shlomo Archibald	18	
Write-In	2	
Undervote	3	
~		
Commissioner Seat 2	10	
Steve West	13	
Tetty Rogiers	6	
Write-In	1	

Undervote	0	
Statewide Referendum		
Yes	9	
No	11	
Undervote	0	
Retention of Tony Grzani	r.h	
Yes	14	
No	5	
Undervote	1	
Retention of Debbie Marl		
Yes	13	
No	6	
Undervote	1	
Precinct 3: Straight Party		
Republican	4	
Democratic	1	
Green	2	
Libertarian	2 2	
Undervote	11	
Chidel voic	••	
President/Vice President	f the United States	
James Collins		
Arthur Remus	13	
Calvin Marino		
Keith Satterwhite	3	
John P. Defazio		
Louis Denn	2	
June Perkins		
David Heroux	2	
Write-In	0	
Undervote	0	
United States Senator		
Colby Lincoln	13	
Oscar Draper	5	
Eric Sheely	2	
Write-In	0	
Undervote	0	
Representative in Congre	ss District 10	
Lois Koss	14	
William Sullivan	4	
Write-In	1	
Undervote	Î	
Governor/Lieutenant Gov	OFFICE	
Joe Carlton	LI IIVI	
Arnold Krill	11	
Charles Jasen	11	
Kenneth Interlicchio	5	
Robert Marsh		
Theodore Kopp	2	
Write-In	2	
Undervote	0	
Representative in the Ger	eral Assembly District 84	
Peter Valle	12	
Neil Carey	6	
Write-In	1	
Undervote	1	
Judge of Superior Court		
Robert L. Linkey	14	
1100011 D. Ellikoy		

D-4-1-1- C11	
Patricia Smallmon	5
Write-In	1
Undervote	0
Judge of the Commonwealth	Court
Chair Companies	13
Chris Carpenter	
Eugene Ruff	6
Write-In	1
Undervote	0
Judge of the Court of Commo	on Place
Judge of the Court of Commo	
Mary L. Daniel	9
Jack "Duke" Brodisky	14
Joanne Scholzert	6
Kerry jones	4
Write-In	3
Undervote	4
County Chief Executive	
Norman Powers	13
Micheal Santarcangelo	7
Write-In	0
Undervote	0
County Controller	
Paul M. Bertel-Lincoln	12
Donna Berke	5
Write-In	1
Undervote	2
District Attorney	
Franklin Margo	9
Donald Hensley	9
Dollard Helisley	
Write-In	1
Undervote	1
School Director Region 6	
Gerald Danson	17
Shlomo Archibald	18
Write-In	2
Undervote	3
Commissioner Seat 3	
William Malicki	12
Arnold Wells	6
Write-In	1
Undervote	1
Statewide Referendum	
Yes	6
No	12
Undervote	2
Retention of Tony Grzanich	
Yes	14
No	6
Undervote	0
Olidel voic	·
D	
Retention of Debbie Marks	
Yes	10
No	10
Undervote	0
Cumulative Totals:	
Cumulative round.	
G L. B	
Straight Party	
Republican	12
Democratic	9
Green	5
3.00	<u> </u>

Libertarian	7	
Undervote	47	
	• •	
President/Vice President	of the United States	
	of the Officer States	
James Collins		
Arthur Remus	44	
Calvin Marino		
Keith Satterwhite	22	
John P. Defazio		
Louis Denn	4	
June Perkins	7	
	7	
David Heroux	7	
Write-In	2	
Undervote	1	
United States Senator		
Colby Lincoln	42	
	27	
Oscar Draper		
Eric Sheely	6	
Write-In	4	
Undervote	1	
Representative in Congre	ss District 5	
Ben Baker	31	
Barbara Barrett-Hicks	22	
Write-In	4	
Undervote	3	
Representative in Congre	ss District 10	
Lois Koss	14	
William Sullivan	4	
Write-In	1	
Undervote	1	
Governor/Lieutenant Gov	ernor	
Joe Carlton		
Arnold Krill	44	
Charles Jasen	• •	
Kenneth Interlicchio	25	
	23	
Robert Marsh		
Theodore Kopp	5	
Write-In	5	
Undervote	1	
Representative in the Gen	eral Assembly District 83	
Harry Rider	19	
R.J. Abbott	14	
Derek Carlson	4	
Write-In	3	
Undervote	0	
Representative in the Gen	eral Assembly District 84	
Peter Valle	22	
Neil Carey	15	
Write-In		
	2	
Undervote	1	
Judge of Superior Court		
Robert L. Linkey	44	
Patricia Smallmon	30	
Write-In	4	
Undervote	2	
Onder vote	۷	
T 1 641 . G	M. C. A	
Judge of the Commonwea		
Chris Carpenter	43	
Eugene Ruff	28	
Write-In	7	
Undervote	2	
-		
Judge of the Court of Cor	nmon Pleas	
sauge of the Court of Col	innon i icas	

Mary L.D aniel	42
Jack "Duke" Brodisky	40
Joanne Scholzert	31
Kerry jones	25
Write-In	13
Undervote	9
County Chief Executive	
Norman Powers	44
Micheal Santarcangelo	29
Write-In	4
Undervote	3
County Controller	40
Paul M. Bertel-Lincoln	42
Donna Berke	28
Write-In	3
Undervote	7
District Attorney	
Franklin Margo	31
Donald Hensley	43
Write-In	5
Undervote	1
School Director Region 6	
Gerald Danson	66
Shlomo Archibald	65
Write-In	16
Undervote	13
Commissioner Seat 1	
Stephen Harrick	13
George Fisk	6
Write-In	Ĩ
Undervote	0
Commissioner Sect 2	
Commissioner Seat 2	24
Steve West	24 12
Tetty Rogiers	
Write-In	2
Undervote	2
Commissioner Seat 3	
William Malicki	12
Arnold Wells	6
Write-In	1
Undervote	1
Statewide Referendum	
Yes	27
No	47
Undervote	6
Retention of Tony Grzanich	
Yes	54
No	22
Undervote	4
Retention of Debbie Marks	
Yes	49
No	27
Undervote	4

APPENDIX B

TEST CASES

Test Case Identifier: 01 – 25 P.S. § 3031.7(1) Voter Secrecy (ADA Voter) (1) Provides for voting in absolute secrecy and prevents any person from seeing or PA ST 25 P.S. § 3031.7 **Requirement:** knowing for whom any voter, except one who has received or is receiving assistance as prescribed by law, has voted or is voting. **Test Objective:** To determine if a voters Test Configuration: Precinct tabulation device configured as described for normal selections using an ADA input device can election day operation by Pennsylvania procedures and/or the device manufacturer be observed during the act of voting or for an ADA voter. A marker is placed 12 feet (measured from the lowest point of once a vote has been cast. the devices voting surface to the floor) directly behind the center of the voting device. From that marker, another marker is placed 12 feet to the right side and the left side. The side distance observation points should be approximately 17 feet. See Step 1000 for a layout diagram. The ADA voter will be positioned in the center of the tabulation device with a site line of 4 feet. See Step 1001. **Test Equipment:** Standard 15+ foot tape measure Two roles are required for this test case. An ADA Voter role and an Observer role. The **Special Procedural Requirements:** ADA Voter will be positioned with a line of site at 48 inches. The observation must be made by an individual between the heights of 68 inches and 71 inches. An election is loaded on the device and the polls are open, ready for voting. **Assumptions:** Step **Description** 1000 Layout Diagram: Top View DRE Verify all measurements. Expected: Center measurement is 12 feet and the side distance observation points are approximately 17 feet. Actual: 1001 ADA Voter Position: Side View Voter line of sight Verify all measurements. Expected: Center measurement is 12 feet and the side distance observation points are approximately 17 feet with a

	voter line of sight at 48 inches.
	Actual::
1010	Observer Role - Activate a ballot for ADA voting.
	Expected: Ballot is presented and vote selections can be input. Actual:
1020	ADA Voter Role - Select the candidate corresponding to the upper most left hand position of the ballot presentation.
	Observer Role - Attempt to ascertain, both audibly and visually, the voters input from the right most position, the center position, and the left most position.
	ADA Voter's Role - Use the supplied method to advance the ballot to a cast vote state. The only selection should be the upper most left hand position. All other selections are to be under voted.
	Expected: The Observer cannot determine the Voter's input selections.
	Actual:
1030	ADA Voter Role - Select the candidate corresponding to the upper most right hand position of the ballot presentation.
	Observer Role - Attempt to ascertain, both audibly and visually, the voter's input from the right most position, the center position, and the left most position.
	ADA Voter's Role - Use the supplied method to advance the ballot to a cast vote state. The only selection should be the upper most right hand position. All other selections are to be under voted.
	Expected: The Observer cannot determine the Voter's input selections.
	Actual:
1040	ADA Voter Role - Select the candidate corresponding to the lower most left hand position of the ballot presentation.
	Observer Role - Attempt to ascertain, both audibly and visually, the voters input from the right most position, the center position, and the left most position
	ADA Voters Role - Use the supplied method to advance the ballot to a cast vote state. The only selection should be the lower most left hand position. All other selections are to be under voted.
	Expected: The Observer cannot determine the Voter's input selections.

	Actual:	
1050	ADA Voter Role - Select the candidate corresponding to the lower most right hand position of the ballot presentation.	
	Observer Role Attempt to ascertain, both audibly and visually, the voters input from the right most position, the center position, and the left most position	
	ADA Voters Role - Use the supplied method to advance the ballot to a cast vote state. The only selection should be the lower most right hand position. All other selections are to be under voted.	
	Expected: The Observer cannot determine the Voter's input selections.	
	Actual:	
	Criteria for Evaluation of the Test Results: The observer must not be able to determine the voter's selection from any observation position or any voter selection surface position.	

Test Case Id	lentifier: 01 – 25 P.S. § 303	31.7(1) Voter Secrecy (Regular Voter)	
PA ST 25 P.S. § 3031.7 (1) P know		(1) Provides for voting in absolute secrecy and prevents any person from seeing or knowing for whom any voter, except one who has received or is receiving assistance as prescribed by law, has voted or is voting.	
Test Objective: To determine if a voter's selections can be observed during the act of voting, or once a vote has been cast.		· ·	
Test Equipn	nent:	Standard 15+ foot tape measure	
Special Proc	edural Requirements:	Two roles are required for this test case. A Voter role and an Observer role. The observation must be made by an individual between the heights of 5 feet 8 inches and 5 feet 11 inches.	
Assumption	s:	An election is loaded on the device and the polls are open, ready for voting.	
Step		Description	
1000	Verify all measurements. Expected: Center measurem Actual:	DRE 12' 12' 12' 12' 12' 12' 12' 12' 12' 12'	
1010	Observer Role - Activate a ballot for regular voting.		
	Expected: Ballot is presented	l and vote selections can be input.	
	Actual:		
1020		date in the upper most left hand position of the ballot presentation.	
	Observer Role - Attempt to ascertain, both audibly and visually, the voter's input from the right most position, the center position, and the left most position		
		ed method to advance the ballot to a cast vote state. The only selection should be the upper most selections are to be under voted.	
	Expected: The Observer can	anot determine the Voter's input selections.	

Actual: 1030 Voter Role - Select the candidate in the upper most right hand position of the ballot presentation. Observer Role - Attempt to ascertain, both audibly and visually, the voter's input from the right most position, the center position, and the left most position Voter's Role - Use the supplied method to advance the ballot to a cast vote state. The only selection should be the upper most right hand position. All other selections are to be under voted. Expected: The Observer cannot determine the Voter's input selections. Actual: 1040 Voter Role - Select the candidate in the lower most left hand position of the ballot presentation. Observer Role - Attempt to ascertain, both audibly and visually, the voters input from the right most position, the center position, and the left most position Voters Role - Use the supplied method to advance the ballot to a cast vote state. The only selection should be the lower most left hand position. All other selections are to be under voted. Expected: The Observer cannot determine the Voter's input selections. Actual: 1050 Voter Role - Select the candidate in the lower most right hand position of the ballot presentation. Observer Role - Attempt to ascertain, both audibly and visually, the voters input from the right most position, the center position, and the left most position Voters Role - Use the supplied method to advance the ballot to a cast vote state. The only selection should be the lower most right hand position. All other selections are to be under voted. Expected: The Observer cannot determine the Voter's input selections. Actual:

Criteria for Evaluation of the Test Results: The observer must not be able to determine the voter's selection from any observation position or any voter selection surface position.

Test Case Identif	fier: 02 – 25 P.S. § 3031.7(2) Selection of Candidates and Questions by Voter (Regular/ADA)
PA ST 25 P.S. §	§ 3031.7 Requirement:	(2) Provides facilities for voting for such candidates as may be nominated and upon such questions as may be submitted.
	To determine if a voter handidates and questions.	Test Configuration: Precinct tabulation device configured as described for normal election day operation by Pennsylvania procedures and/or the device manufacturer.
Test Equipment:		None
	al Requirements:	None
Assumptions:		An election is loaded on the device and the polls are open, ready for voting.
Step		Description
1000	Activate a ballot for voting.	
	Expected: The ballot is prese	nted and vote selections can be input.
	Actual:	
1010	Select the first candidate in the	ne first partisan contest excluding a straight party contest.
	Expected: The precinct tabulathe first partisan contest exclusion	ation device displays or provides an indication of a vote selection for the first candidate in uding a straight party contest.
	Actual:	
1020	_	advance the ballot to the first "N of M" contest. Select the first "N" candidates in the vo contest the first two candidates would be selected).
	-	ation device advances to the first "N of M" contest. Once selected the precinct tabulation in indication of a vote for the first "N" candidates in the first "N of M" contest.
	Actual:	
1030	Use the designated method to	advance the ballot to the first "Question" contest. Select the "Yes" option in the contest.
		ation device advances to the first "Question" contest. Once selected the precinct tabulation in indication of a vote selection for the "Yes" option in the first "Question" contest.
1040		o advance the ballot to the second "Question" contest. Select the "No" option in the contest.

	Expected: The precinct tabulation device advances to the second "Question" contest. Once selected the precinct tabulation device displays or provides an indication of a vote selection for the "No" option in the second "Question" contest.
	Actual:
1050	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are displayed. Use the designated method to cast the voted selections.
	Expected: The precinct tabulation device advances to the "Ballot Review" screen. After review and ballot is cast successfully.
	Actual:
1060	Repeat steps 1000- 1050 from above using an ADA input device.
	Expected: Repeat 1000 Repeat 1010 Repeat 1020 Repeat 1030 Repeat 1040 Repeat 1050 Actual:
1070	Close the polls and print the closed polls report tape.
	Expected: The polls closed and a report is printed. Actual:
1080	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	Expected: The closed polls report presents the accumulated totals for the selections input above. Actual:
Criteria for Ev as input by the t	aluation of the Test Results: The intended selections input above are recorded, stored, and reported tester.

Test Case Identi	fier: 03 – 25 P.S. § 3031.7(3	3) Stra	ight Party and Pennsylvania Method
	§ 3031.7 Requirements:		Permits each voter, at other than primary elections, to vote a straight political
	,		v ticket by one mark or act and, by one mark or act, to vote for all the
		cand	lidates of one political party for presidential electors and, by one mark or
		act, 1	to vote for all the candidates of one political party for every office to be voted
		for, a	and every such mark or act shall be equivalent to and shall be counted as a
		vote	for every candidate of the political party so marked including its candidates
		for p	residential electors, except with respect to those offices as to which the voter
			registered a vote for individual candidates of the same or another political
			y or political body, in which case the automatic tabulating equipment shall
			it the vote for that office only for the candidate individually so selected,
			ithstanding the fact that the voter may not have individually voted for the full
			ber of candidates for that office for which he was entitled to vote.
v	To determine if the v	_	Test Configuration: Precinct tabulation device configured as described
	straight party voting and	the	for normal election day operation by Pennsylvania procedures and/or the
Pennsylvania Met			device manufacturer.
Test Equipment:		None	
	ral Requirements:	None	
Assumptions:		An e	lection is loaded on the device and the polls are open, ready for voting.
Step			Description
1000	A .: 1 11 . 6:		
	Activate a ballot for voting.		
	Former de The hellet is some	1	dance allegians and he insure
	Expectea: The ballot is presen	ntea an	d vote selections can be input.
	Actual:		
	Actual.		
1010			
	Select the option for the first	party se	election of the straight party.
	Ever a stade The president talevile	tion do	avise displays an marrides an indication of a viete calentian for the first marty calentian
	Expected: The precinct tabulation device displays or provides an indication of a vote selection for the first party selection		evice displays of provides all indication of a vote selection for the first party selection
	in the straight party contest.		
	Actual:		
	Actual.		
1020			
1020	Use the designated method to	advan	ce through the ballot to each partisan contest. Observe all partisan contests for the
			partisan candidates associated with the first straight party selection.
	Expected: The precinct tabul	ation d	evice displays or provides an indication of a vote selection for all the partisan
	_		l with the first straight party selection.
	candidates in each contest associated with the first straight party selection.		v v
	Actual:		
	11CHUII.		
1030	TT di- di-ti (1 - d - 1)		and the second of the bell-to-the second of the second of the bell-to-the second of the bell-to-the second of the second of
	Use the designated method to advance through the remainder of the ballots advancing to the ballot review screen.		
Observe the selection in the ballot review observing only the partisan contests associated with the first straight pa			
	selections are present. Use the designated method to cast the voted ballot.		
	Expacted: The precinct tobule	ation de	avice displays or provides an indication of a vote selection for only the partices
	<i>Expected:</i> The precinct tabulation device displays or provides an indication of a vote selection for only the partisan contests associated with the first straight party selection. After review the ballot is cast successfully.		
	contests associated with the h	ust sud	ngin party selection. After review the ballot is east successfully.

	Actual:
1040	Activate a ballot for voting.
	Expected: The ballot is presented and vote selections can be input. Actual:
1050	Select the option for the second party selection of the straight party. Expected: The precinct tabulation device displays or provides an indication of a vote selection for the second party in the straight party contest.
	Actual:
1060	Use the designated method to advance through the ballot to each partisan contest. Observe all partisan contests for an indication of a voter selection for all partisan candidates associated with the second straight party selection.
	Expected: The precinct tabulation device displays or provides an indication of a vote selection for all the partisan candidates in each contest associated with the second straight party selection.
1070	Actual:
1070	Use the designated method to retreat through the ballot selections to the first "N of M" contest. Select the first partisan candidate that is not the party associated with the second straight party selection. Leave the remainder of the selections under voted.
	Expected: "N" candidates for the party of the second straight party selections should display or provide an indication of the non-selection. The selected candidate should be the only selection displayed or indicated.
	Actual:
1080	Use the designated method to retreat through the ballot to the "Straight Party" contest. Observe the selection for the second straight party selection.
	Expected: The second straight party selections should be displayed or an indication given as selected. Actual:
1090	Use the designated method to advance through the remainder of the ballot advancing to the ballot review. Review the selections in the ballot review to verify that the partisan contests associated with the second straight party selections are present with the exception of the first "N of M" contest. Use the designated method to cast the voted ballot.

	Expected: The precinct tabulation device displays or indicates the selection for the partisan contests associated with the second straight party selection for all contests except the first "N of M" contest. The first "N of M" contest displays or indicates the selection of the first candidate that is not associated with the second straight party selection. After review the ballot is cast successfully.
	Actual:
1100	Activate a ballot for voting.
	Expected: The ballot is presented and vote selections can be input.
	Actual:
1110	Select the option for the first party selection of the straight party.
	Expected: The precinct tabulation device displays or provides an indication of a vote selection for the first party in the straight party contest.
	Actual:
1120	Use the designated method to advance through the ballot to each partisan contest. Observe all partisan contests for an indication of a voter selection for all partisan candidates associated with the first straight party selection.
	Expected: The precinct tabulation device displays or provides an indication of a vote selection for all the partisan candidates in each contest associated with the first straight party selection.
	Actual:
1130	Use the designated method to retreat through the ballot selections to the first "N of M" contest. Select the first partisan candidate that is associated with the first straight party selection. Leave this contest and the remainder of the selections under voted.
	Expected: "N" candidates for the party of the first straight party selections should display or provide an indication of the non-selection. The selected candidate should be the only selection displayed or indicated.
	Actual:
1140	Use the designated method to advance through the remainder of the ballot advancing to the ballot review. Review the selections in the ballot review to verify that the partisan contests associated with the first straight party selections are present with the exception of the first "N of M" contest. Use the designated method to cast the voted ballot.
	Expected: The precinct tabulation device displays or indicates the selection for the partisan contests associated with the first straight party selection for all contests except the first "N of M" contest. The first "N of M" contest displays or indicates the selection of the second candidate that is associated with the first straight party selection and an under vote. After review the ballot is cast successfully.

	Actual:
1150	Repeat steps 1000- 1140 from above using an ADA input device.
	Expected: Repeat 1000 Repeat 1010 Repeat 1020 Repeat 1030 Repeat 1040 Repeat 1050 Repeat 1060 Repeat 1070 Repeat 1080 Repeat 1090 Repeat 1110 Repeat 1110 Repeat 1120 Repeat 1130 Repeat 1140 Actual:
1160	Close the polls and print the closed polls report tape.
	Expected: The polls closed and a report is printed. Actual:
1170	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	Expected: The closed polls report presents the accumulated totals for the selections input above.
	Actual:
Criteria for Eval	uation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
	nctionality of selecting a candidate of the same party of the straight party selection registers a vote for that
	elects all candidates for the straight party vote for that contest.

Test Case Identi	fier: 04 – 25 P.S. § 3031.7(4	Straight Party and Write-In	
PA ST 25 P.S.	§ 3031.7 Requirements:	4) Permits each voter, at other than primary elections, to vote a tic from the nominees of any and all political parties, from the nominee all political bodies, and from any persons whose names are not in n and do not appear upon the official ballot.	es of any and
Test Objective: To determine if the voting system supports straight party voting and wri		Test Configuration: Precinct tabulation device configured	
Test Equipment:	•	None	
	ral Requirements:	None	
Assumptions:		An election is loaded on the device and the polls are open, ready for	voting.
Step		Description Description	
1000	Activate a ballot for voting.		
	Expected: The ballot is present Actual:	d and vote selections can be input.	
1010	Select the option for the first	rty selection of the straight party.	
	Expected: The precinct tabular in the straight party contest.	on device displays or provides an indication of a vote selection for the first	party selection
	Actual:		
1020	_	lvance through the ballot to each partisan contest. Observe all partisan conselection for all partisan candidates associated with the first straight party s	
	-	on device displays or provides an indication of a vote selection for all the plated with the first straight party selection.	oartisan
	Actual:		
1030	_	Ivance through the remainder of the ballot advancing to the ballot review so observing only the partisan contests associated with the first straight particular to cast the voted ballot.	
	_	on device displays or provides an indication of the selection for only the party selection. After review the ballot is cast successfully.	rtisan contests
	Actual:		
1040	Activate a ballot for regular v	ing.	
	Expected: The ballot is presen	d and vote selections can be input.	

	Actual:				
1050	Select the option for the first party selection of the straight party.				
	Expected: The precinct tabulation device displays or provides an indication of a vote selection associated with the first party selection in the straight party contest.				
	Actual:				
1060	Use the designated method to advance to the first partisan contest. Select the write-in option. Input John Doe as the write-in name.				
	Expected: The precinct tabulation advances to the first partisan contest and allows the input of the "Write-In" candidate John Doe. Actual:				
1070					
	Use the designated method to advance to the ballot review screen. Observe the selections associated with the first straight party selection with the exception of the first partisan contest. Use the designated method to cast the voted ballot.				
	<i>Expected:</i> The precinct tabulation device displays or provides an indication of a vote selection associated with the first party selection in the straight party contest with the exception of the first partisan contest which should indicate the write-in input of John Doe.				
	Actual:				
1080	Activate a ballot for regular voting.				
	Expected: The ballot is presented and vote selections can be input.				
	Actual:				
1090	Select the option for the first party selection of the straight party.				
	Expected: The precinct tabulation device displays or provides an indication of a vote selection associated with the first party selection in the straight party contest.				
	Actual:				
1100					
	Use the designated method to advance to the first "Question" contest. Select the "Yes" option. Attempt to over vote by selecting the "No" option. Observe the action of attempting to select the second option.				
	Expected: The precinct tabulation device displays or provides an indication of an attempt to over vote. The precinct tabulation device might disallow the selection and not display any communication.				
	Actual:				
1110	Repeat steps 1000- 1090 from above using an ADA input device.				

	Expected: Repeat 1000 Repeat 1010 Repeat 1020 Repeat 1030 Repeat 1040 Repeat 1050 Repeat 1060 Repeat 1070 Repeat 1080 Repeat 1100 Repeat 1110 Actual:
1120	Close the polls and print the closed polls report tape.
	Expected: The polls closed and a report is printed.
	Expected. The polis closed and a report is printed.
	Actual:
1130	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	Expected: The closed polls report presents the accumulated totals for the selections input above.
	Actual:
~ =	
	aluation of the Test Results: The intended selections input above are recorded, stored, and reported as
input by the tester	The functionality of selecting a write-in candidate functions with a straight party selection.

Test Case Identif	fier: 05 = 25 P.S. 8 3031 7 <i>(</i>	5) Sele	ction of Candidate and Write-in	
PA ST 25 P.S. § 3031.7 Requirements:		(5) Permits each voter to vote for any person and any office for whom and for which he is lawfully entitled to vote, whether or not the name of such person appears upon the ballot as a candidate for nomination or election.		
system supports tl	To determine if the voting he selection of a candidate a		Test Configuration: Precinct tabulation device configured as described for normal election day operation by Pennsylvania procedures and/or the	
write-in candidate		N	device manufacturer.	
Test Equipment:	ral Requirements:	None None		
Assumptions:	ai Kequitements.		lection is loaded on the device and the polls are open, ready for voting.	
Step Step		7 111 0	Description	
1000	Activate a ballot for voting.		•	
	Expected: The ballot is present Actual:	nted and	d vote selections can be input.	
	110,000			
1010	Select the option for the first	candida	ate in the first partisan contest.	
	Expected: The precinct tabular selection in the first partisan of		evice displays or provides an indication of a vote selection for the first candidate	
	Actual:			
1020	_	ew obs	ce through the remainder of the ballot advancing to the ballot review screen. Observe erving only the first candidate in the first partisan contest is selected. Use the ballot.	
	-		evice displays or provides an indication of the selection for only the first candidate after review the ballot is cast successfully.	
	Actual:			
1030	Activate a ballot for voting.			
	Expected: The ballot is presen	nted and	d vote selections can be input.	
1040	Actual:			
1040	Select the option for a write-i	n candi	date in the first partisan contest. Use the designed method to input "John Doe."	
		ntion de	evice displays or provides an indication of a vote selection for a write-in candidate.	
	Actual:			

1050			
	Use the designated method to advance through the remainder of the ballot advancing to the ballot review screen. Obserthe selection in the ballot review observing only the write-in candidate in the first partisan contest is selected. Use the designated method to cast the voted ballot.		
	Expected: The precinct tabulation device displays or provides an indication of the selection for only the write-in candidat "John Doe" in first partisan contests. After review the ballot is cast successfully.		
	Actual:		
1060			
	Activate a ballot for voting.		
	Expected: The ballot is presented and vote selections can be input.		
	Actual:		
1070			
Select the option for a write-in candidate in the first "N of M" contest. Use the designed method to inpall selections. Observe any activity to preclude the same input.			
	Expected: The precinct tabulation device displays or provides an indication of a duplicate vote selection for a write-in candidate. If no indication is provided then trace the ability to adjudicate the vote through the entire system. It may require the EMS component to verify.		
	Actual:		
1080	Repeat steps 1000- 1070 from above using an ADA input device.		
	Expected: Repeat 1000 Repeat 1010 Repeat 1020 Repeat 1030 Repeat 1040 Repeat 1050 Repeat 1060 Repeat 1070		

	Actual:
1090	Close the polls and print the closed polls report tape.
	Expected: The polls closed and a report is printed. Actual:
	Total.
1110	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	Expected: The closed polls report presents the accumulated totals for the selections input above.
	Actual:

Criteria for Evaluation of the Test Results: The intended selections input above are recorded, stored, and reported as input by the tester. The functionality of selecting a candidate and a write-in candidate functions.

		Attempt to Over Vote Contests and Questions (Regular/ADA)
PA ST 25 P.S.	§ 3031.7 Requirements:	(7) If it is of a type that registers the vote electronically, the voting system sha
		preclude each voter from voting for more persons for any office than he
T4 Ol-141	F. 1.4	entitled to vote for or upon any question more than once.
	To determine if the voting d g on contests and questions.	for normal election day operation by Pennsylvania procedures and/or th
		device manufacturer.
Equipment:	1D 1	None
	ral Requirements:	None
Assumptions:		An election is loaded on the device and the polls are open, ready for voting.
Step 1000		Description
1000	Activate a ballot for voting.	
	Expected: The ballot is presen	ated and vote selections can be input.
	Actual:	
1010	Calcardo Correspondidas in d	
	select the first candidate in th	e first partisan "1 of 1" contest excluding a straight party contest.
	-	ation device displays or provides an indication of a vote selection for the first candidate est excluding a straight party contest.
	Actual:	
1020	_	candidate in the first partisan "1 of 1" contest ensure the contest is the same contest as vote ion of attempting to place a second vote.
	-	lation device displays or provides an indication of an attempt to over vote. The precinow the selection and not display any communication.
	Actual:	
1030	Attempt to select the write-in	option. Observe the action of attempting to input a write-in.
	_	tion device displays or provides an indication of an attempt to over vote. The precinct ow the selection and not display any communication.
	Actual:	
1040		
	_	o advance the ballot to the first "N of M" contest. Select the first "N" candidates in the contest the first two candidates would be selected).
	_	ation device advances to the first "N of M" contest. Once selected the precinct tabulation indication of a vote for the first "N" candidates in the first "N of M" contest.

	Actual:			
1050	Attempt to select the "N +1" candidate in the first "N of M" contest ensure the contest is the same contest as voted in step 1040. Observe the action of attempting to place an over vote.			
	Expected: The precinct tabulation device displays or provides an indication of an attempt to over vote. The precinc tabulation device might disallow the selection and not display any communication. Actual:			
1060	Use the designated method to advance the ballot to the first "Question" contest. Select the "Yes" option in the contest.			
	Expected: The precinct tabulation device advances to the first "Question" contest. Once selected the precinct tabulation device displays or provides an indication of a vote for the "Yes" option in the first "Question" contest.			
	Actual:			
1070	Attempt to select the "No" option in the first "Question" contest ensure the contest is the same contest as voted in step 1060. Observe the action of attempting to place an over vote.			
	Expected: The precinct tabulation device displays or provides an indication of an attempt to over vote. The precinct tabulation device might disallow the selection and not display any communication.			
	Actual:			
1080	Use the designated method to advance the "Ballot Review". Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.			
	Expected: The precinct tabulation device advances to the "Ballot Review" screen. After review and ballot is cas successfully.			
	Actual:			
1090	Repeat steps 1000- 1080 from above using an ADA input device.			
	Expected: Repeat 1000 Repeat 1010 Repeat 1020 Repeat 1030 Repeat 1040			
	Repeat 1050 Repeat 1060 Repeat 1070 Repeat 1080			

	Actual:
1100	Close the polls and print the closed polls report tape.
	Expected: The polls closed and a report is printed.
	Actual:
1110	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	Expected: The closed polls report presents the accumulated totals for the selections input above.
	Actual:

Criteria for Evaluation of the Test Results: The intended selections input above are recorded, stored, and reported as input by the tester. The attempts to select more persons than the vote for and any question more than once are unsuccessful.

Test Case Identifie	er: 10 – 25 P.S. § 3031.7(10	0) Ballot Review and Change (Regular/ADA)
Test Objective: To allows the voter to	o determine if the voting dereview the selections and chore casting of the ballot.	
Test Equipment:	ore casting of the banot.	None
Special Procedura	l Requirements:	None
Assumptions:	requirements.	An election is loaded on the device and the polls are open, ready for voting.
Step		Description
1000	Activate a ballot for voting. Expected: The ballot is present Actual:	ented and vote selections can be input.
1010	"N of M" contests, and select	the first all "1 of 1" contest excluding a straight party contest, the first "N" candidates in all ct the "Yes" option in all "Question" contests. Ilation device allow for the navigation and the voting inputs to be selected as described above.
1020	are indicated.	to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections alation device advances to the "Ballot Review" screen. The vote selections can be verified.
1030	-	to retract to the first partisan "1 of 1" contest excluding the straight party contest. lation device navigates to the first partisan "1 of 1" contest excluding the straight party

1040	Deselect the first candidate selection and select the second candidate.
	Expected: The precinct tabulation device indicates the de-selection of the first candidate and the select of the second candidate.
	Actual:
1070	
1050	Use the designated method to advance to the first "Question" contest. De-select the "Yes" option and select the "No" option.
	Expected: The precinct tabulation device navigates to the first "Question" contest and provides an indication of the deselection of the "Yes" option and a selection of the "No" option.
	Actual:
1060	
	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	Expected: The precinct tabulation device advances to the "Ballot Review" screen. After review and ballot is cast successfully.
	Actual:
1070	Repeat steps 1000- 1060 from above using an ADA input device.
	Expected: Repeat 1000 Repeat 1010 Repeat 1020 Repeat 1030 Repeat 1040 Repeat 1050 Repeat 1060 Actual:
1080	Close the polls and print the closed polls report tape.
	Expected: The polls closed and a report is printed. Actual:

1090

Review the closed polls report to ensure all selections input above are recorded and reported correctly.

Expected: The closed polls report presents the accumulated totals for the selections input above.

Actual:

Criteria for Evaluation of the Test Results: The intended selections input above are recorded, stored, and reported as input by the tester. The voter input can be changed by navigating through the ballot after a ballot has been reviewed.

Test Case Identifier: 16 – 25 P.S. § 3031.7(16) Public Counter, No Reopening of Polls, Media Security with Tamper Proof Locks				
and Zero Proof and Tally Reports.				
		ballot.		
	determine if the voting device			
	does not allow the reopening a zero proof and tally reports			
Test Equipment:	so a zero proor and tany repe	None		
Special Procedural	Requirements:	None		
Assumptions:	-	The election media is installed but the polls have not been opened.		
Step		Description		
1000	-			
	needed to print "Zero Proof"	ne polls have not been opened. Use the designated method to open polls. If a response is report, select this option.		
	-			
	Expected: The precinct tabulation device opens the polls and prints a "Zero Proof" report.			
	Actual:			
1010	Activate a ballot for voting.			
	Expected: The ballot is presented and vote selections can be input.			
	Actual:			
1020				

	Use the designated method to navigate to the straight party contest. Select the first selection in the straight party contest.	
	Expected: The precinct tabulation device navigates to the first straight party contest, allows the input of the first selection, and indicts the first selections was input.	
	Actual:	
1030	Use the designated method to advance the "Ballot Review." Observe all selections for the party associated with the selection for the first straight party selection are selected. Observe the public counter value being 0. Expected: The precinct tabulation device navigates to the "Ballot Review" screen. The public counter is visible and the	
	value is 0. Actual:	
1040	Use the designated method to cast the voted selections. Observe the acknowledgement of "successful" ballot cast if provided, and the public counter incrementing by one.	
	<i>Expected:</i> The precinct tabulation device successfully cast the ballot and the public counter is incremented. If the ballot was not cast successfully the test is halted.	
	Actual:	
1050	Close the polls and print the closed polls report tape.	
	Expected: The polls closed and a report is printed. Actual:	
1060	Use the designated method to attempt to reopen the polls.	
	Expected: The polls cannot be reopened. Actual:	
1070	Place lock on precinct tabulation device per Pennsylvania Procedures to ensure all operation of the tabulation element is prevented.	
	Expected: The precinct tabulation device can by secured so that all operation of the tabulation element is prevented. Actual:	
1070	Review the closed polls report to ensure all selections input above are recorded and reported correctly.	

Expected: The closed polls report presents the accumulated totals for the selections input above.
Actual:

Criteria for Evaluation of the Test Results: The intended selections input above are recorded, stored, and reported as input by the tester. The voting device is able to produce a "Zero Proof" and "Tally Report." The voting device has a visible public counter and the counter increments correctly.

Test Case Identifier: 04, 06, 08, 09, Permanent Physical Record, and Statistical Sample – 25 P.S. §§ 3031.7(4), (6), (8), (9); 3031.1; and 3031.17 System Integration

PA ST 25 P.S. § 3031.7 Requirements:

- (4) Permits each voter, at other than primary elections, to vote a ticket selected from the nominees of any and all political parties, from the nominees of any and all political bodies, and from any persons whose names are not in nomination and do not appear upon the official ballot.
- (6) Permits each voter to vote for as many persons for any office as he is entitled to vote for and to vote for or against any question upon which he is entitled to vote and precludes each voter from voting or from having his vote tabulated for any candidate, or upon any question, for whom or upon which he is not entitled to vote.
- (8) Precludes each voter from voting or from having his vote tabulated more than once for any candidate for the same office or upon any question, except in districts and for offices where cumulative voting is authorized by law.
- (9) Permits each voter at a primary election to vote only for the candidates seeking nomination by a political party in which such voter is registered and enrolled, and for any candidate for nonpartisan nomination, and for any question upon which he is entitled to vote.

PA ST 25 P.S. § 3031.1 Requirements:

"ELECTRONIC VOTING SYSTEM" means a system in which one or more voting devices are used to permit the registering or recording of votes and in which such votes are computed and tabulated by automatic tabulating equipment. The system shall provide for a permanent physical record of each vote cast.

PA ST 25 P.S. § 3031.17 Requirements:

The county board of elections, as part of the computation and canvass of returns, shall conduct a statistical recount of a random sample of ballots after each election using manual, mechanical or electronic devices of a type different than those used for the specific election. The sample shall include at least two (2) per centum of the votes cast or two thousand (2,000) votes whichever is the lesser..

Test Objective:

This area of testing will focus on the system being able to perform a general and a closed primary from ballot design to reporting of results.

Test Configuration:

The system integration testing will execute a general and a primary election from ballot design through vote accumulation, consolidation and reporting. The election definitions will include all supported voting variations, languages, multiple ballot styles, and ADA voting. Two election definitions will be defined and executed according to a predefined voting pattern. All requirements tested in the targeted functionality testing will be monitored including accuracy throughout system integration testing.

Test Method:

The method for testing these requirements is defined as follows:

Provide an election definition that contains multiple ballot styles based on geographical subdivision in both a general election and a closed primary and tests that each vote is counted only once.

Two elections will be utilized to perform System Integration Testing:

- PA Certification General Election
- PA Certification Closed Primary Election

This test will be performed by evaluating the system from the pre-voting state of loading the media and obtaining pre-voting reports through the post-voting state of accumulation of voted data and printing of post-election reports. All documented steps will be followed to perform this test.

- Election definition and ballot layout coded prior to test
- Print pre-election report for ballot layout, precinct summary, and election summary
- Load election media
- Install election onto the precinct tabulation device
- Open polls and print zero proof report

- Vote pre-defined voting pattern
- Closed polls and print results tapes
- Print audit logs
- Perform a 10% statistical sample
- Harvest permanent physical record
- Load election results into EMS
- Print precinct summary and election summary reports
- Collect and analyze all data

Criteria for Evaluation of the Test Results:

All intended selection input by the tester are recorded, stored and reported accurately.

Test Case Identifier: 12 – 25 P.S. § 3031.7(12) Pene	tration Analysis			
PA ST 25 P.S. § 3031.7 Requirements:	(12) Provides acceptable ballot security procedures and impoundment of ballots to prevent tampering with or substitution of any ballots or ballot cards.			
	nted procedures and configuration to ensure that the physical and access secure depending on the scope of this project this may be performed by a third-party			
Test Configuration: The voting system will be configured as would be for	a polling place with all security precautions in place.			
Test Method: The method for testing these requirements is defined a	as follows:			
	nd access controls and procedures in place for the storage of voted ballots. This sure that all access areas and seals and/or locks provide adequate security from			
check all seal and/or locks and attempt to op-	en the system			
 verify that the ballot storage device is secure by attempting to insert and retrieve ballots without removing any seals and/or locks 				
 verify that any needed supplies can be accessed by the poll worker without allowing access to the ballots or internal components of the voting system 				
 verify that the system counter cannot be reset by any unauthorized person at any unauthorized point 				
• attempt to bypass the security environment by various methods such as disabling the printer, removing power, and any other means to try and compromise the votes				
exercise verification of password security ma	anagement at all levels (operating system, application and component)			
Criteria for Evaluation of the Test Results: All intended access controls are in place and are	sufficient.			
Comments:				
Tester Approval:	Date:			
Test Witness:				

Commonwealth of Pennsylvania **State Certification – Review**

List all reports provided by the manufacturer for review to meet the review requirements in the space

provided below:
Document I -
Document II
Document III
25 P.S. § 3031.5. Examination and approval of electronic voting systems by the Secretary of the Commonwealth
(a) Any person or corporation owning, manufacturing or selling, or being interested in the manufacture or sale of, any electronic voting system, may request the Secretary of the Commonwealth to examine such system if the voting system has been examined and approved by a federally recognized independent testing authority and if it meets any voting system performance and test standards established by the Federal Government. The costs of the examination shall be paid by the person requesting the examination in an amount set by the Secretary of the Commonwealth. Any ten or more persons, being qualified registered electors of this Commonwealth, may, at any time, request the Secretary of the Commonwealth to reexamine any electronic voting system theretofore examined and approved by him. Before any reexamination, the person, persons, or corporation, requesting such reexamination, shall pay to the Treasurer of the Commonwealth a reexamination fee of four hundred fifty dollars (\$450). The Secretary of the Commonwealth may, at any time, in his discretion, reexamine any such system therefore examined and approved by him. The Secretary of the Commonwealth may issue directives or instructions for implementation of electronic voting procedures and for the operation of electronic voting systems.
ITA/ VSTL Reports
Report Title, Version and Date
Report Title, Version and Date
Report Title, Version and Date

25 P.S. § 3031.7 Requirement -

11) Is suitably designed for the purpose used, is constructed in a neat and workmanlike manner of durable material of good quality, is safely and efficiently useable in the conduct of elections and, with

respect to the counting of ballots cast at each district, is suitably designed and equipped to be capable of absolute accuracy, which accuracy shall be demonstrated to the Secretary of the Commonwealth.

Review of Product Safety Test or other similar test

Report Title	-
Section	_
Page	-
Paragraphs	-
Review of Accuracy Test	
Report Title	-
Section -	-
Page	-
Paragraphs	-
25 P.S. § 3031.7 Requirement -	
(13) When properly operated, records correctly and computes and tabulates accivote registered.	urately every valid
Review of Accuracy Test	
Report Title	-
Section	-
Page	-
Paragraphs	-
25 P.S. § 3031.7 Requirement -	
(14) Is safely transportable.	
Review of Hardware Environmental Tests	
Report Title	-
Section	_

Page	
Paragraphs	
25 P.S. § 3031.7 Requirement -	
15) Is so constructed that a voter may readily learn the method	of operating it.
Review of Usability Evaluation	
Report Title	
Section -	
Page	
Paragraphs	
Reviewers Signature	Date Completed