GEORGIA’S ELECTION SYSTEM 2018

PRESENTATION FOR THE S.A.F.E. COMMISSION
JUNE 13, 2018
GOALS OF PRESENTATION

• Describe election interaction between state and counties in conducting elections
• Give historical context for the current voting system
• Describe how votes may be cast in Georgia
• Explain key components of current voting system
• Explain security in election systems
Interaction of Voting and Election Systems
GEORGIA ELECTIONS BY THE NUMBERS

• **Approximately 2,365 polling places on Election Day**

• **Approximately 12K-20K poll workers for each election day**

• **Approximately 10% of voters who vote, vote by mail (absentee voting)**

• **Approximately 50% of voters who vote, vote during Advanced/Early Voting**

• **Approximately 6.5 million voters (active and inactive)**
Active Registered Voters by County (6/1/18)

1. Catoosa
2. Douglas
3. Barrow
4. Clarke
5. Taliaferro
6. Rockdale
7. Clayton
8. Fayette
9. Glascock
10. Chattahoochee
11. Schley
12. Webster
13. Treutlen
14. Montgomery

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ELECTIONS
A DIVISION OF RESPONSIBILITIES AND ROLES

ELECTIONS ARE LARGELY COUNTY-EXECUTED EVENTS

• VOTERS ARE REGISTERED IN THEIR COUNTY OF RESIDENCE
• VOTERS VOTE AND HAVE VOTES COUNTED IN COUNTY OF RESIDENCE
• VOTERS ARE UPDATED IN THE VOTER REGISTRATION SYSTEM BY THEIR COUNTY
• COUNTY ELECTION OFFICIALS DETERMINE THE VALIDITY OF BALLOTS AND VOTES CAST
COUNTIES AND STATE WORKING TOGETHER IN PROVIDING S.A.F.E. ELECTIONS

- **County Responsibilities**
  - Maintain individual voter records
  - Maintain individual pieces of equipment
  - Select, train, staff, and operate polling places
  - Issue and count individual ballots
  - Individuals work with counties

- **State Responsibilities**
  - Maintain state voter registration database
  - Provide voting system environment
  - Provide training and guidance on election law and best practices
  - Provide ballot databases for elections and aggregate totals
  - Counties work with the state
NOVEMBER 2000 GENERAL ELECTION
PRESENTED
A TURNING POINT IN ELECTIONS IN THE
UNITED STATES AND IN GEORGIA
Problems in the 2000 general election gave rise to an examination and re-evaluation of voting systems in Georgia.

The 21st century voting commission was established in December 2001, by Governor Roy Barnes.
HOW GEORGIANS VOTED IN 2000

**Presidential Election in Georgia November 2000**

<table>
<thead>
<tr>
<th>Method of Voting</th>
<th>Counties Using</th>
<th>Voters Using</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper Ballots</td>
<td>2</td>
<td>5,400</td>
</tr>
<tr>
<td>Punch Card</td>
<td>17</td>
<td>1.2 Million</td>
</tr>
<tr>
<td>Lever Machines</td>
<td>73</td>
<td>650,000</td>
</tr>
<tr>
<td>Optical Scan</td>
<td>67</td>
<td>2 Million</td>
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</table>
COMMISSION DISCOVERED MULTIPLE ISSUES IN VOTING IN GEORGIA

- Lack of uniformity in how Georgians voted
- Lack of autonomy and accessibility for handicapped voters
- "Undervotes" were indicative of a serious problem
PROBLEMS NOTED IN 2000 ELECTION

93,991 ballots cast in Georgia did not record a vote for President (3.5% of all ballots cast in Georgia)

Florida’s rate 2.9%
National rate 1.9%

38,000 undervotes (not casting or recording of a vote for any candidate) were cast by voters in counties using optical scan devices

In 13 counties that calculated overvotes as a separate category, 61.5% of the overvotes were duplicate selections (voting for more than one person in an office)

Undervotes and overvotes were a problem that had to be solved
Investigation of 21st Century Voting Commission lead to

Implementing a state-wide Uniform voting system;

Acquisition and Deployment of DRE (Direct Record Electronic) technology for in-person voting;

$54,000,000 bond to pay for DRE system
WAYS TO VOTE IN GEORGIA

Absentee by mail with a paper ballot (Optical scan ballot)
Advance “In-Person” Absentee on a DRE (three weeks before election day)
Election Day on a DRE

Special Circumstances
UOCAVA (Military and Overseas) with Electronic Ballot Delivery (EBD or mailed ballot)
Provisional Ballot in person (Optical Scan Ballot)
Voting on a DRE with audio assistance and a touchpad
Receiving assistance with voting by physically disabled or illiterate voter
GEORGIA’S CURRENT VOTING SYSTEM INCLUDES THESE COMPONENTS

VOTER REGISTRATION SYSTEM

ELECTRONIC POLL BOOKS

GLOBAL ELECTION MANAGEMENT SYSTEM (GEAMS)

DIRECT RECORDING ELECTRONIC (DRE) VOTING DEVICES

RECORDING MEDIA

OPTICAL SCANNERS

ELECTION NIGHT REPORTING (ENR)
GEORGIA'S VOTER REGISTRATION SYSTEM (GVRS OR "ENET")
SYSTEM COMPONENTS

ExpressPoll 4000 with Barcode Scanner

ExpressPoll 5000 with Barcode Scanner
SYSTEM COMPONENTS
VOTER ACCESS CARD
SYSTEM COMPONENTS

DIRECT RECORDING ELECTRONIC (DRE) VOTING SYSTEM

R6 Unit

TSX Unit
SYSTEM COMPONENTS
MEMORY CARDS
SYSTEM COMPONENTS

OPTICAL SCANNER (FOR USE WITH ABSENTEE AND PROVISIONAL BALLOTS)
SYSTEM COMPONENTS

GLOBAL ELECTION MANAGEMENT SYSTEM (GEMS) SERVER
May 22, 2018
General Primary and Nonpartisan General Election

Commissioner Of Insurance - REP

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Percentage</th>
<th>Votes</th>
</tr>
</thead>
<tbody>
<tr>
<td>VM BECK (REP)</td>
<td>59.6%</td>
<td>231,317</td>
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<tr>
<td>JAY FLORENCE (REP)</td>
<td>20.8%</td>
<td>84,618</td>
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<tr>
<td>TRACY JORDAN (REP)</td>
<td>19.4%</td>
<td>82,121</td>
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</table>

Commissioner Of Insurance - DEM

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Percentage</th>
<th>Votes</th>
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</thead>
<tbody>
<tr>
<td>JANICE LEWIS (DEM)</td>
<td>62.6%</td>
<td>303,728</td>
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<tr>
<td>CINDY ZEOLFI (DEM)</td>
<td>37.4%</td>
<td>179,335</td>
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Total Votes: 483,063
SECURITY IN GEORGIA ELECTIONS

- Non-Networked Systems
- State law and SEB Rules concerning securing voting equipment
- Tamper-Evident Seals
- Pre-election Logic and Accuracy Testing
- Decentralized Operations
- Auditability of GEMS would show tampering or interference
- Uniformity of Procedures, Paperwork, Data, Etc.
- Paper Components to correspond to electronic results
  - DRE Tapes for each machine
  - Voter certificates
  - Recap and reconciliation is part of every election night