

Boulder

- 215,000 registered voters
- Large University- mobile voters
- Dominion Voting System- cast vote records

Colorado

- 3.2 Million voters
- Mail Ballot delivery with Voter Service Centers
- Most Counties on same equipment

Motivation to Audit



2006

- Implementation of HAVA
- Counties moving to DRE-
 - Boulder County stayed paper
- Equipment Certification

Today

- Distrust of outcomes
- Russia hacking
- Closer Margins and Polarization
- RLA held up as gold standard
- Equipment Certification

Equipment and Process Evolution- 10 years



2006

- Polling Place or Vote Center
- Most counties had DRE VVPAT
- Majority of ballots cast on a DRE

2008-2012

- Voters choosing Mail Ballots- moved to paper
- More paper offered in Polling Place or Vote Center

2013- present

- All Mail Ballots with Vote Center-central count
- Majority on same equipment- with CVR

Audit Evolution- 10 years



Audited selected contest in a rescan

Audited all contest in a rescan

Audited Election Night tabulation by batch

Audited individual ballots in a rescan

Audited Election tabulation results at the individual ballot level- Cast Vote Record

Audit Election Night Results

Use as many of the audit principles as we could

- All contest eligible
- Randomly selected contest and batches
- Workers do not know the results they are auditing too
- Statistically based

Transparent Process and Protect Voter Anonymity

Create a predictable workload

Benefits

- Actual audit of Election tabulation system at time of scanning
- Significantly fewer ballots in most cases- savings
- Statistically based
- Show how each ballot was tabulated
- Fewer resources needed for audit
- Improve processes

Challenges

- Unknown resources needed
- Potential for more ballots
- More effort and time to retrieve exact ballot
- Requires ballots to be in exact order of scanning
- No early canvass sign off
- Ensuring voter anonymity with public CVR
- Time constraints
- Hard to explain

10 years perspective



- Partnering is the only way to succeed- election are an ecosystem
 - Find a motivated Election Administrators
 - Pilot, Pilot, Pilot
 - Go SLOW to go FAST
- Hand Counts- improve process & conversation
- Law vague, Rule specific
- Have to have information to help EA plan
- Have to have processes for all to be successful
- Issues discovered in audits make our elections better
- CVR and voter privacy are complicated

What is Next our RLA



- Automate process to ensure voter anonymity
- Continue to improve processes
- Further define our escalation process
- Continue to look at processes that impact CVR
 - Create best practices- including visual inspection of ballots
 - Automate what can be automated
- Audit role in re-counts