

October 29, 2021

The Honorable Wm. Weston J. Newton, Chairman  
 House Legislative Oversight Committee  
 228 Blatt Building  
 Columbia, SC 29201

Dear Chairman Newton:

I am writing in reply to your August 31, 2021 letter requesting detailed information regarding voter registration and elections in South Carolina. Thank you for the opportunity to provide this important information to the Committee. Please find our responses below.

- 1. Please provide an update on the implementation status of the ad hoc committee's recommendation for increased interagency collaboration with the Department of Health and Environmental Control and the Department of Motor Vehicles to assist with removing deceased voters from the state's active voter roll.***

**COMMISSIONERS**

JOHN WELLS  
 Chairperson

JOANNE DAY

CLIFFORD J. EDLER

LINDA MCCALL

SCOTT MOSELEY

HOWARD M. KNAPP  
 Interim Executive Director

Collaboration with the Department of Health and Environmental Control (DHEC):

- The SEC and DHEC have been working collaboratively to establish a method to share information on deceased South Carolinians obtained by DHEC through the State and Territorial Exchange of Vital Events (STEVE) system.
- The SEC understands data from STEVE will provide the SEC with additional information not currently included in existing death data provided by DHEC, particularly as it relates to South Carolina residents who die in other states.
- At this point, DHEC is preparing a memorandum of understanding (MOU) to establish an agreement with the SEC to share the data.
- Once the MOU is established, the SEC will receive the additional information monthly and use this information to remove deceased individuals from the list of active, registered voters.

Collaboration with the Department of Motor Vehicles (DMV):

- The SEC and DMV have been working collaboratively to comply with S.C. Code 7-3-70(b) and establish a method by which the SEC can receive information on deceased individuals obtained by DMV through the Social Security Administration (SSA).
- Despite our good faith efforts to comply with this mandate, significant barriers remain to establishing this program:
  - DMVs request to redisclose information obtained from SSA through the Social Security Online Verification (SSOLV) system to the SEC is pending with SSA. The SEC understands the terms of the DMV agreement with SSA permits DMV to use SSOLV data to the extent necessary to administer driver's license and identification card programs. Therefore, the prospect of approval of the request is doubtful.

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- Even if approved, data received would not include date of death as required by the statute.
- Even if approved, data received from DMV through SSOLV would be very limited and not serve as a comprehensive source of information about deceased South Carolinians. The SEC understands Driver's License (DL) and ID card holder records are not checked through SSOLV on a regular basis and that DMV checks only unverified DL and ID-card holders through SSOLV. This would include new DL and ID-card holders and some other credential holders under limited circumstances.
- Even if approved, the information obtained through SSOLV would likely be duplicative as the SEC currently obtains more comprehensive SSA death data through the Electronic Registration and Information Center (ERIC).
- If approval cannot be obtained, the SEC suggests amending, replacing or deleting S.C. Code Section 7-3-70(b) so that compliance can be obtainable.

**2. *How many, if any, deceased voters have been removed from the state's active voter roll since July 1, 2021? If any have been removed, please note how many have been removed in each county.***

14,780 deceased voters were removed from the list of active, registered voters between July 1, 2021 and October 27, 2021.

See Enclosure 1 – Deceased Voters Removed Statistics

**3. *How does the State Election Commission ensure that responses to constituents about issues of concern, including concerns about possible deceased voters, are made in a timely manner (i.e., what steps occur if a call, email, or letter is received)?***

Years of direct feedback from our customers tell us the SEC is one of the most accessible agencies in state government. The SEC maintains this reputation by working to respond to all inquiries in a timely and thoughtful manner.

The SEC employs a “live person support policy.” When anyone calls the SEC main number during business hours, they will always be able to speak to a person. The SEC has no digital answering system nor voicemail on its main number. If the person at the main desk is busy, calls are pushed to other employees in the agency until a live person answers. If the person who answers the phone cannot answer the question or provide the information requested, a message is taken and forwarded to the appropriate division for response. Our customers find this approach refreshing as government agencies and private business have moved to automated services that tend to leave their customers frustrated.

Most emails from the public are received through the agency's general email address ([elections@elections.sc.gov](mailto:elections@elections.sc.gov)), while others are received through individual employee email

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addresses. Two employees are assigned to monitor the general email address and either respond directly to inquires or forward the email to appropriate staff for response.

Generally, the SEC works to respond to telephone calls and emails as soon as possible and within 24 hours on a first-come, first-served basis. Urgent and critical matters are given priority over less significant inquiries. While most receive a return call or email within 24 hours, the volume of inquiries, limits on organizational capacity, and the nature of any specific inquiry can cause response times to vary. Generally, the same concepts apply to responses to letters, however, the nature of letter writing and mail correspondence add significant delay to response times.

As it relates specifically to concerns about deceased voters remaining on voter registration rolls, the SEC ensures citizens understand:

- The various methods and sources of information authorized by law through which deceased voters are removed from the rolls.
- The limitations of the sources of information and the various methods.
- The fact that, due to those limitations, some number of deceased voters will remain on the voter registration list at any given time.
- Our goals for identifying and implementing additional sources of information and additional methods
- The fact that the existence of deceased voters on the voter registration rolls is not evidence of fraud and that over the course of the past 10 years, the SEC has seen no proof of any vote being fraudulently cast in the name of a deceased voter.

#### Reports of Deceased Individuals on the List of Active Registered Voters

As detailed previously in correspondence with the Committee, Ms. Laurie Zapp, a Beaufort County voter, and Ms. Hope Walker, Executive Director of the S.C. Republican Party began providing the SEC with lists of voters that, according to their research, had died but remained active in the statewide voter registration database. The SEC's initial approach to these lists was to review each individual record to determine whether the voter was actually deceased, and if so, to make the record inactive. Since the Committee's June 30, 2021 hearing on the agency's list maintenance processes, Ms. Zapp has provided the SEC with two additional lists of voters from Allendale and Horry Counties containing more than 900 names total.

After further review and analysis of our initial approach, the SEC has determined the approach is neither feasible nor advisable. Continuation of this process puts qualified voters at risk of being inadvertently removed from the rolls. One of the primary issues with this approach is the lack of clear legal authority to remove a voter from the rolls based on information found in an obituary. The SEC is not confident that information found in online obituaries is reliable. Furthermore, obituaries do not always contain enough information to confidently match the deceased person to a voter. Additionally, these time-consuming reviews drain agency resources, and due to the current limitations of official sources on deaths, such review

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processes would be potentially endless. Lastly, the SEC is very concerned with taking any action on a voter's status based on information provided by partisan individuals and organizations.

We believe the most prudent approach is to use only official sources of information on deceased individuals to carry out list maintenance processes. This includes continuing the work to identify new sources of official information as outlined in response to Item 1. The SEC also continues to make voters inactive upon notification of death by a voter's immediate family member.

#### Reports of Ballots Cast in the Name of Deceased Voters

On July 9, 2021, the S.C. Law Enforcement Division (SLED) provided the SEC with a list of 41 voters provided to SLED by Ms. Laurie Zapp appearing to show participation in various elections dating back to the January 21, 2012 Presidential Preference Primary. Eight instances showed such participation in 2020 elections (June Primary or General Election). Working with SLED, the SEC meticulously gathered records on each of the eight instances from 2020 and found no indication of fraudulent voting in the name of a deceased voter. The investigation found:

- Bad data matching (2)
- Deceased father given credit for son voting (2)
- Voting absentee before death (1)
- Poll manager selecting wrong voter (2)
- Election official selecting wrong voter (1)

After presenting the records and documents associated with each case to SLED, SLED determined no further investigation is warranted. The results of this latest investigation are consistent with previous investigations into claims of votes being cast in the names of deceased individuals.

- 4. Please work with committee staff to develop a graphic (i.e., process flow chart) illustrating what steps the agency takes to maintain accuracy of the state's active voter roll by addressing situations where the address on the voter registration record is no longer where the individual lives.***

SEC staff worked with committee staff to develop graphics and charts to illustrate steps taken by the agency to maintain the accuracy of the state's active voter registration list, including situations where the address on the voter registration record is no longer where the individual lives. We assume this information will be provided directly to the Committee by committee staff.

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- 5. Please provide an update on the number of names that have been removed from the state's active voter roll since January 2017 through the present due to a move (i.e., change of address). If any have been removed, please note how many have been removed in each county by each year.**

The SEC has no comprehensive data that would reflect every instance of a voter being removed from the list of active, registered voters due to a move out of the jurisdiction. Voters can be removed in various ways. Voters made inactive are given codes based on the reason for removal. Details on all status codes and the processes by which they are assigned are included in the graphics and flowcharts prepared in conjunction with committee staff as you requested in Item 4.

There are two codes definitively related to moves: Inactive-Left the County (I-L) and Inactive-Moved (I-M). For statistics on removals due to these two codes, see:

Enclosure 2 – Voter Move Removal Statistics.

Some examples of voter moves that would not be reflected in the I-L and I-M statistics include:

- When a registered SC voter updates their address or registers to vote in another county, the voter's registration is simply updated. While updating the address would result in a change in the voter's eligibility to vote in certain jurisdictions, the voter is never removed from the voter registration list or made inactive.
- Voters can be made inactive for failing to respond to a confirmation card mailing (Inactive – Failed to Respond, I-F). A change in address is only one possible reason for the failure to respond.
- Voters who request in writing for their name to be removed from the list are made Inactive – Written Request. While some of these may be due to a change in address (usually to another state), the reason motivating the voter to make the request is not always provided and not noted with a code.

- 6. When was the last time the agency conducted postcard outreach to those on the active voter roll that did not vote in two prior general election cycles? How many, if any, were removed based upon this last postcard outreach effort? If any have been removed, please note how many have been removed in each county based upon this outreach effort.**

The last confirmation card mailing conducted by the SEC occurred in 2019. 75,796 voters were mailed cards. At the end of the process, 17,001 of those voters remained active, and 58,795 voters had been made inactive. Of those made inactive, 54,448 were made inactive for reasons directly related to the confirmation card mailing. 4,347 records were made inactive for other reasons during the process. For more detail and county-by-county results:

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See Enclosure 3 – 2019 Confirmation Card Mailing.

**7. *Inform the public, without compromising security, about physical and electronic election systems in place and safeguards for those systems***

*A concern expressed by some constituents pertaining to the accuracy of voter rolls is unauthorized access to election systems (i.e., hacking via Internet connectivity). A specific concern expressed at the ad hoc committee June 30, 2021, meeting is if adequate safeguards are in place to ensure a qualified elector's vote is counted as cast.*

See Enclosure 4 – Vote Storage & Transmission

NOTE: Some have expressed concern that ballot scanners/tabulators used in South Carolina have the capacity to be connected to the internet. Enclosure 4 notes that scanners have no capacity to be connected to the internet. Confusion over this issue stems from the fact that in some other states, the same scanner models used here are equipped with modems and the associated software and service required to be connected to the internet. This functionality is either required or permitted in those states, and the vendor equips and prepares equipment specifically for use in those states to meet those states' requirements. Such equipment does not exist in South Carolina. For facts on modems and scanners/tabulators used in South Carolina:

See Enclosure 5 – Facts about SC Ballot Scanners & Modems.

**8. *Please list the physical and electronic locations and devices through which votes cast in an election are transmitted or stored (e.g., county election offices; physical absentee ballot; voting machine; Statewide Voter Registration and Election Management System, etc.).***

See Enclosure 4 – Vote Storage & Transmission

**9. *For each location provided in response to the question above, please list and explain, with applicable dates, (a) internet connectivity capacity of each electronic device, (b) measures taken to secure both physical and electronic locations from physical or electronic tampering or manipulation by outside entities (e.g., security software, security audits, locks on doors where absentee ballots maintained, etc.) from January 2017 through December 2020, and (c) any relevant agency policies with the date of the most recent review and update.***

*For subpart (b):*

- *Please separate those for which the agency has direct control and those on which the agency instructs counties but may not have direct control.*

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- ***For measures on which the agency instructs counties, please explain how the agency holds counties accountable for complying with the instructions.***

See Enclosure 4 – Vote Storage & Transmission

***10. Please list in an Excel document all reviews, audits, or other postelection analysis performed by the agency between January 2017 and the present pursuant to S.C. Code Section 7-3-20(C)(2)1 or any other directive. For each, please include: (a) the date, (b) one to two sentence summary of the purpose of the review, audit, or analysis; and (c) how the public may access the review, audit, or other postelection analysis.***

Since January 2017, the SEC has engaged with county boards of voter registration and elections on various formal reviews, audits and other postelection analyses. In addition to these formal engagements, the SEC regularly engages county boards and conducts reviews and analyses on an informal, ad hoc basis. For a list of formal engagements:

See Enclosure 6 – Reviews, Audits & Postelection Analysis

***11. Please explain how the agency complies with S.C. Code Section 7-3-20C(2).***

The S.C. General Assembly amended S.C. Code 7-3-20 in 2014 requiring the Executive Director of the SEC to supervise, review and audit the conduct and performance of the county boards of voter registration and elections, effective June 2, 2014. As part of its efforts to comply with this mandate, the SEC contracted with the Coeur Group in 2014 to develop a field audit plan. Subsequently, the SEC County Field Audit Plan was adopted in January 2015. The plan includes seven broad audit topics:

- Voter Registration
- Absentee Voting
- Candidate Filing
- Voting System
- Polling Place Operations
- Canvassing and Post-Election Reconciliation and Audits
- Administration

Necessary appropriations and increase in funded staffing levels needed to execute compliance reviews and audits did not materialize until July 1, 2015. Staffing for new positions was not completed until January 2016. Since then, the SEC has conducted various reviews, audits and post-election analyses as outline in Enclosure 5. In addition, the SEC regularly engages county boards on an informal, ad hoc basis. No field audits were conducted in 2019 as staff were engaged in the implementation of the new statewide voting system.

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Currently, the SEC County Field Audit Program has not been fully realized. The SEC is taking the following measures to fully realize the program:

- Establishing an annual schedule for field audits.
- Removing auditing responsibility from the area representative team who currently have training, field assistance, and general liaison duties associated with the county boards.
- Requesting funding in the agency's FY2023 budget to hire trained audit staff that will be dedicated solely to the conduct of regular, annual audits.

Since implementation of the current voting system in 2019, the SEC has overseen the hand-count voting system audits performed after every statewide election. In a hand-count audit, the SEC selects precincts and offices for each county to audit. County election officials then publicly hand count the voter-verified paper ballots to determine if the results match those produced by the ballot scanners. While this has tremendous value, the SEC is working to expand and improve its voting system audit program.

Beginning in 2022, the SEC will add an independent results verification process in which every ballot cast in all statewide elections will be re-tabulated using a third-party system to verify the voting system results. In addition to third-party verification, we also plan to conduct some level of risk-limiting audits (RLAs). An RLA uses a statistically significant, random sample of voted ballots to manually examine for evidence that the originally reported outcome is correct. Just as importantly, the SEC is working to establish an online portal through which details about these audits can be communicated proactively to the public. We believe these additional audits and increase in transparency will provide voters and election officials even greater confidence in the integrity of our elections.

Again, thank you for the opportunity to provide this important information to the Committee. If I can be of further assistance, please let me know.

Sincerely,

A handwritten signature in blue ink, appearing to read "Howard Knapp", with a long horizontal flourish extending to the right.

Howard Knapp  
Interim Executive Director

Enclosures

| <b>County</b>   | <b>Made Inactive-Deceased<br/>between 7/1/21 and 10/27/21</b> |
|-----------------|---|
| 01-ABBEVILLE    | 99  |
| 02-AIKEN        | 455   |
| 03-ALLENDALE    | 49  |
| 04-ANDERSON     | 611   |
| 05-BAMBERG      | 70  |
| 06-BARNWELL     | 74  |
| 07-BEAUFORT     | 501   |
| 08-BERKELEY     | 477   |
| 09-CALHOUN      | 57  |
| 10-CHARLESTON   | 914   |
| 11-CHEROKEE     | 233   |
| 12-CHESTER      | 144   |
| 13-CHESTERFIELD | 154   |
| 14-CLARENDON    | 152   |
| 15-COLLETON     | 170   |
| 16-DARLINGTON   | 268   |
| 17-DILLON       | 111   |
| 18-DORCHESTER   | 399   |
| 19-EDGEFIELD    | 69  |
| 20-FAIRFIELD    | 111   |
| 21-FLORENCE     | 431   |
| 22-GEORGETOWN   | 266   |
| 23-GREENVILLE   | 1,251   |
| 24-GREENWOOD    | 244   |
| 25-HAMPTON      | 99  |
| 26-HORRY        | 1,298   |
| 27-JASPER       | 108   |
| 28-KERSHAW      | 240   |
| 29-LANCASTER    | 277   |
| 30-LAURENS      | 224   |
| 31-LEE          | 80  |
| 32-LEXINGTON    | 800   |
| 33-MCCORMICK    | 35  |
| 34-MARION       | 117   |
| 35-MARLBORO     | 113   |
| 36-NEWBERRY     | 129   |
| 37-OCONEE       | 231   |
| 38-ORANGEBURG   | 349   |
| 39-PICKENS      | 340   |
| 40-RICHLAND     | 928   |
| 41-SALUDA       | 76  |
| 42-SPARTANBURG  | 882   |
| 43-SUMTER       | 352   |
| 44-UNION        | 110   |

|                 |        |
|-----------------|--------|
| 45-WILLIAMSBURG | 133    |
| 46-YORK         | 549    |
| State Total     | 14,780 |

| <b>County</b>   | <b>Inactive Reason</b> | <b># of Voters Removed<br/>1/1/2017 to<br/>10/18/2021</b> |
|-----------------|------------------------|---|
| 01-ABBEVILLE    | L-Moved out of County  | 17  |
| 02-AIKEN        | L-Moved out of County  | 293   |
| 03-ALLENDALE    | L-Moved out of County  | 4   |
| 04-ANDERSON     | L-Moved out of County  | 320   |
| 05-BAMBERG      | L-Moved out of County  | 25  |
| 06-BARNWELL     | L-Moved out of County  | 18  |
| 07-BEAUFORT     | L-Moved out of County  | 569   |
| 08-BERKELEY     | L-Moved out of County  | 1,073   |
| 09-CALHOUN      | L-Moved out of County  | 20  |
| 10-CHARLESTON   | L-Moved out of County  | 1,068   |
| 11-CHEROKEE     | L-Moved out of County  | 77  |
| 12-CHESTER      | L-Moved out of County  | 51  |
| 13-CHESTERFIELD | L-Moved out of County  | 74  |
| 14-CLARENDON    | L-Moved out of County  | 54  |
| 15-COLLETON     | L-Moved out of County  | 83  |
| 16-DARLINGTON   | L-Moved out of County  | 79  |
| 17-DILLON       | L-Moved out of County  | 63  |
| 18-DORCHESTER   | L-Moved out of County  | 344   |
| 19-EDGEFIELD    | L-Moved out of County  | 25  |
| 20-FAIRFIELD    | L-Moved out of County  | 98  |
| 21-FLORENCE     | L-Moved out of County  | 155   |
| 22-GEORGETOWN   | L-Moved out of County  | 576   |
| 23-GREENVILLE   | L-Moved out of County  | 1,812   |
| 24-GREENWOOD    | L-Moved out of County  | 49  |
| 25-HAMPTON      | L-Moved out of County  | 34  |
| 26-HORRY        | L-Moved out of County  | 1,083   |
| 27-JASPER       | L-Moved out of County  | 33  |
| 28-KERSHAW      | L-Moved out of County  | 209   |
| 29-LANCASTER    | L-Moved out of County  | 192   |
| 30-LAURENS      | L-Moved out of County  | 52  |
| 31-LEE          | L-Moved out of County  | 22  |
| 32-LEXINGTON    | L-Moved out of County  | 659   |
| 33-MCCORMICK    | L-Moved out of County  | 16  |
| 34-MARION       | L-Moved out of County  | 25  |
| 35-MARLBORO     | L-Moved out of County  | 39  |
| 36-NEWBERRY     | L-Moved out of County  | 48  |
| 37-OCONEE       | L-Moved out of County  | 107   |
| 38-ORANGEBURG   | L-Moved out of County  | 122   |
| 39-PICKENS      | L-Moved out of County  | 154   |
| 40-RICHLAND     | L-Moved out of County  | 916   |
| 41-SALUDA       | L-Moved out of County  | 24  |
| 42-SPARTANBURG  | L-Moved out of County  | 461   |
| 43-SUMTER       | L-Moved out of County  | 209   |

|                 |                       |       |
|-----------------|-----------------------|-------|
| 44-UNION        | L-Moved out of County | 12    |
| 45-WILLIAMSBURG | L-Moved out of County | 18    |
| 46-YORK         | L-Moved out of County | 1,097 |
| 01-ABBEVILLE    | M-Moved               | 1     |
| 02-AIKEN        | M-Moved               | 374   |
| 03-ALLENDALE    | M-Moved               | 1     |
| 04-ANDERSON     | M-Moved               | 368   |
| 05-BAMBERG      | M-Moved               | 199   |
| 07-BEAUFORT     | M-Moved               | 59    |
| 08-BERKELEY     | M-Moved               | 1,084 |
| 09-CALHOUN      | M-Moved               | 116   |
| 10-CHARLESTON   | M-Moved               | 301   |
| 11-CHEROKEE     | M-Moved               | 450   |
| 12-CHESTER      | M-Moved               | 41    |
| 13-CHESTERFIELD | M-Moved               | 16    |
| 14-CLARENDON    | M-Moved               | 467   |
| 15-COLLETON     | M-Moved               | 222   |
| 16-DARLINGTON   | M-Moved               | 91    |
| 17-DILLON       | M-Moved               | 6     |
| 18-DORCHESTER   | M-Moved               | 115   |
| 19-EDGEFIELD    | M-Moved               | 16    |
| 20-FAIRFIELD    | M-Moved               | 304   |
| 21-FLORENCE     | M-Moved               | 47    |
| 22-GEORGETOWN   | M-Moved               | 374   |
| 23-GREENVILLE   | M-Moved               | 2,909 |
| 24-GREENWOOD    | M-Moved               | 351   |
| 25-HAMPTON      | M-Moved               | 42    |
| 26-HORRY        | M-Moved               | 2,326 |
| 28-KERSHAW      | M-Moved               | 740   |
| 29-LANCASTER    | M-Moved               | 203   |
| 30-LAURENS      | M-Moved               | 536   |
| 31-LEE          | M-Moved               | 182   |
| 32-LEXINGTON    | M-Moved               | 2,642 |
| 35-MARLBORO     | M-Moved               | 1     |
| 36-NEWBERRY     | M-Moved               | 495   |
| 37-OCONEE       | M-Moved               | 8     |
| 38-ORANGEBURG   | M-Moved               | 674   |
| 39-PICKENS      | M-Moved               | 31    |
| 40-RICHLAND     | M-Moved               | 4,726 |
| 41-SALUDA       | M-Moved               | 288   |
| 42-SPARTANBURG  | M-Moved               | 3,189 |
| 43-SUMTER       | M-Moved               | 1,338 |
| 44-UNION        | M-Moved               | 460   |
| 45-WILLIAMSBURG | M-Moved               | 31    |
| 46-YORK         | M-Moved               | 1,396 |

|       |                       |        |
|-------|-----------------------|--------|
| TOTAL | L-Moved out of County | 12,479 |
| TOTAL | M-Moved               | 27,220 |
| TOTAL | TOTAL                 | 39,699 |

| County          | Inactive Reason       | # of Voters |
|-----------------|-----------------------|-------------|
| 01-ABBEVILLE    | L-Moved out of County | 21          |
| 01-ABBEVILLE    | M-Moved               | 229         |
| 02-AIKEN        | L-Moved out of County | 381         |
| 02-AIKEN        | M-Moved               | 1475        |
| 03-ALLENDALE    | L-Moved out of County | 9           |
| 03-ALLENDALE    | M-Moved               | 84          |
| 04-ANDERSON     | L-Moved out of County | 328         |
| 04-ANDERSON     | M-Moved               | 1478        |
| 05-BAMBERG      | L-Moved out of County | 14          |
| 05-BAMBERG      | M-Moved               | 99          |
| 06-BARNWELL     | L-Moved out of County | 23          |
| 06-BARNWELL     | M-Moved               | 37          |
| 07-BEAUFORT     | L-Moved out of County | 714         |
| 07-BEAUFORT     | M-Moved               | 997         |
| 08-BERKELEY     | L-Moved out of County | 975         |
| 08-BERKELEY     | M-Moved               | 1939        |
| 09-CALHOUN      | L-Moved out of County | 11          |
| 09-CALHOUN      | M-Moved               | 26          |
| 10-CHARLESTON   | L-Moved out of County | 1320        |
| 10-CHARLESTON   | M-Moved               | 7297        |
| 11-CHEROKEE     | L-Moved out of County | 75          |
| 11-CHEROKEE     | M-Moved               | 238         |
| 12-CHESTER      | L-Moved out of County | 49          |
| 12-CHESTER      | M-Moved               | 116         |
| 13-CHESTERFIELD | L-Moved out of County | 60          |
| 13-CHESTERFIELD | M-Moved               | 280         |
| 14-CLARENDON    | L-Moved out of County | 35          |
| 14-CLARENDON    | M-Moved               | 132         |
| 15-COLLETON     | L-Moved out of County | 131         |
| 15-COLLETON     | M-Moved               | 704         |
| 16-DARLINGTON   | L-Moved out of County | 110         |
| 16-DARLINGTON   | M-Moved               | 471         |
| 17-DILLON       | L-Moved out of County | 41          |
| 17-DILLON       | M-Moved               | 482         |
| 18-DORCHESTER   | L-Moved out of County | 402         |
| 18-DORCHESTER   | M-Moved               | 1536        |
| 19-EDGEFIELD    | L-Moved out of County | 37          |
| 19-EDGEFIELD    | M-Moved               | 125         |
| 20-FAIRFIELD    | L-Moved out of County | 88          |
| 20-FAIRFIELD    | M-Moved               | 36          |
| 21-FLORENCE     | L-Moved out of County | 263         |
| 21-FLORENCE     | M-Moved               | 1226        |
| 22-GEORGETOWN   | L-Moved out of County | 428         |
| 22-GEORGETOWN   | M-Moved               | 664         |
| 23-GREENVILLE   | L-Moved out of County | 1967        |
| 23-GREENVILLE   | M-Moved               | 7186        |

|                 |                       |      |
|-----------------|-----------------------|------|
| 24-GREENWOOD    | L-Moved out of County | 95   |
| 24-GREENWOOD    | M-Moved               | 716  |
| 25-HAMPTON      | L-Moved out of County | 29   |
| 25-HAMPTON      | M-Moved               | 256  |
| 26-HORRY        | L-Moved out of County | 1379 |
| 26-HORRY        | M-Moved               | 5872 |
| 27-JASPER       | L-Moved out of County | 92   |
| 27-JASPER       | M-Moved               | 328  |
| 28-KERSHAW      | L-Moved out of County | 179  |
| 28-KERSHAW      | M-Moved               | 349  |
| 29-LANCASTER    | L-Moved out of County | 222  |
| 29-LANCASTER    | M-Moved               | 655  |
| 30-LAURENS      | L-Moved out of County | 197  |
| 30-LAURENS      | M-Moved               | 511  |
| 31-LEE          | L-Moved out of County | 12   |
| 31-LEE          | M-Moved               | 35   |
| 32-LEXINGTON    | L-Moved out of County | 478  |
| 32-LEXINGTON    | M-Moved               | 1101 |
| 33-MCCORMICK    | L-Moved out of County | 13   |
| 33-MCCORMICK    | M-Moved               | 60   |
| 34-MARION       | L-Moved out of County | 28   |
| 34-MARION       | M-Moved               | 206  |
| 35-MARLBORO     | L-Moved out of County | 27   |
| 35-MARLBORO     | M-Moved               | 474  |
| 36-NEWBERRY     | L-Moved out of County | 47   |
| 36-NEWBERRY     | M-Moved               | 62   |
| 37-OCONEE       | L-Moved out of County | 181  |
| 37-OCONEE       | M-Moved               | 942  |
| 38-ORANGEBURG   | L-Moved out of County | 105  |
| 38-ORANGEBURG   | M-Moved               | 680  |
| 39-PICKENS      | L-Moved out of County | 176  |
| 39-PICKENS      | M-Moved               | 463  |
| 40-RICHLAND     | L-Moved out of County | 800  |
| 40-RICHLAND     | M-Moved               | 4053 |
| 41-SALUDA       | L-Moved out of County | 8    |
| 41-SALUDA       | M-Moved               | 117  |
| 42-SPARTANBURG  | L-Moved out of County | 482  |
| 42-SPARTANBURG  | M-Moved               | 2097 |
| 43-SUMTER       | L-Moved out of County | 132  |
| 43-SUMTER       | M-Moved               | 218  |
| 44-UNION        | L-Moved out of County | 17   |
| 44-UNION        | M-Moved               | 99   |
| 45-WILLIAMSBURG | L-Moved out of County | 34   |
| 45-WILLIAMSBURG | M-Moved               | 281  |
| 46-YORK         | L-Moved out of County | 991  |
| 46-YORK         | M-Moved               | 2606 |

|       |                       |       |
|-------|-----------------------|-------|
| TOTAL | L-Moved out of County | 13206 |
| TOTAL | M-Moved               | 49038 |
| TOTAL | TOTAL                 | 62244 |

| County          | Inactive Reason       | # of Voters |
|-----------------|-----------------------|-------------|
| 01-ABBEVILLE    | L-Moved out of County | 10          |
| 02-AIKEN        | L-Moved out of County | 262         |
| 02-AIKEN        | M-Moved               | 415         |
| 03-ALLENDALE    | L-Moved out of County | 9           |
| 04-ANDERSON     | L-Moved out of County | 608         |
| 04-ANDERSON     | M-Moved               | 1887        |
| 05-BAMBERG      | L-Moved out of County | 10          |
| 05-BAMBERG      | M-Moved               | 20          |
| 06-BARNWELL     | L-Moved out of County | 14          |
| 06-BARNWELL     | M-Moved               | 2           |
| 07-BEAUFORT     | L-Moved out of County | 442         |
| 07-BEAUFORT     | M-Moved               | 10          |
| 08-BERKELEY     | L-Moved out of County | 729         |
| 08-BERKELEY     | M-Moved               | 482         |
| 09-CALHOUN      | L-Moved out of County | 10          |
| 10-CHARLESTON   | L-Moved out of County | 891         |
| 10-CHARLESTON   | M-Moved               | 317         |
| 11-CHEROKEE     | L-Moved out of County | 35          |
| 11-CHEROKEE     | M-Moved               | 25          |
| 12-CHESTER      | L-Moved out of County | 38          |
| 13-CHESTERFIELD | L-Moved out of County | 33          |
| 13-CHESTERFIELD | M-Moved               | 2           |
| 14-CLARENDON    | L-Moved out of County | 34          |
| 15-COLLETON     | L-Moved out of County | 43          |
| 15-COLLETON     | M-Moved               | 40          |
| 16-DARLINGTON   | L-Moved out of County | 53          |
| 17-DILLON       | L-Moved out of County | 25          |
| 17-DILLON       | M-Moved               | 1           |
| 18-DORCHESTER   | L-Moved out of County | 329         |
| 18-DORCHESTER   | M-Moved               | 85          |
| 19-EDGEFIELD    | L-Moved out of County | 54          |
| 19-EDGEFIELD    | M-Moved               | 4           |
| 20-FAIRFIELD    | L-Moved out of County | 93          |
| 20-FAIRFIELD    | M-Moved               | 17          |
| 21-FLORENCE     | L-Moved out of County | 122         |
| 21-FLORENCE     | M-Moved               | 94          |
| 22-GEORGETOWN   | L-Moved out of County | 534         |
| 22-GEORGETOWN   | M-Moved               | 163         |
| 23-GREENVILLE   | L-Moved out of County | 1448        |
| 23-GREENVILLE   | M-Moved               | 876         |
| 24-GREENWOOD    | L-Moved out of County | 60          |
| 24-GREENWOOD    | M-Moved               | 497         |
| 25-HAMPTON      | L-Moved out of County | 15          |
| 25-HAMPTON      | M-Moved               | 22          |
| 26-HORRY        | L-Moved out of County | 938         |
| 26-HORRY        | M-Moved               | 2590        |

|                 |                       |       |
|-----------------|-----------------------|-------|
| 27-JASPER       | L-Moved out of County | 60    |
| 27-JASPER       | M-Moved               | 44    |
| 28-KERSHAW      | L-Moved out of County | 213   |
| 28-KERSHAW      | M-Moved               | 416   |
| 29-LANCASTER    | L-Moved out of County | 135   |
| 29-LANCASTER    | M-Moved               | 40    |
| 30-LAURENS      | L-Moved out of County | 34    |
| 30-LAURENS      | M-Moved               | 20    |
| 31-LEE          | L-Moved out of County | 10    |
| 31-LEE          | M-Moved               | 2     |
| 32-LEXINGTON    | L-Moved out of County | 430   |
| 32-LEXINGTON    | M-Moved               | 547   |
| 33-MCCORMICK    | L-Moved out of County | 21    |
| 34-MARION       | L-Moved out of County | 16    |
| 34-MARION       | M-Moved               | 3     |
| 35-MARLBORO     | L-Moved out of County | 17    |
| 35-MARLBORO     | M-Moved               | 4     |
| 36-NEWBERRY     | L-Moved out of County | 26    |
| 36-NEWBERRY     | M-Moved               | 3     |
| 37-OCONEE       | L-Moved out of County | 83    |
| 37-OCONEE       | M-Moved               | 64    |
| 38-ORANGEBURG   | L-Moved out of County | 673   |
| 38-ORANGEBURG   | M-Moved               | 224   |
| 39-PICKENS      | L-Moved out of County | 140   |
| 39-PICKENS      | M-Moved               | 3     |
| 40-RICHLAND     | L-Moved out of County | 551   |
| 40-RICHLAND     | M-Moved               | 2340  |
| 41-SALUDA       | L-Moved out of County | 11    |
| 41-SALUDA       | M-Moved               | 45    |
| 42-SPARTANBURG  | L-Moved out of County | 358   |
| 42-SPARTANBURG  | M-Moved               | 949   |
| 43-SUMTER       | L-Moved out of County | 139   |
| 43-SUMTER       | M-Moved               | 27    |
| 44-UNION        | L-Moved out of County | 10    |
| 45-WILLIAMSBURG | L-Moved out of County | 16    |
| 45-WILLIAMSBURG | M-Moved               | 1     |
| 46-YORK         | L-Moved out of County | 519   |
| 46-YORK         | M-Moved               | 405   |
| TOTAL           | L-Moved out of County | 10301 |
| TOTAL           | M-Moved               | 12686 |
| TOTAL           | TOTAL                 | 22987 |

| County          | Inactive Reason       | # of Voters |
|-----------------|-----------------------|-------------|
| 01-ABBEVILLE    | L-Moved out of County | 14          |
| 01-ABBEVILLE    | M-Moved               | 5           |
| 02-AIKEN        | L-Moved out of County | 244         |
| 02-AIKEN        | M-Moved               | 379         |
| 03-ALLENDALE    | L-Moved out of County | 7           |
| 04-ANDERSON     | L-Moved out of County | 226         |
| 04-ANDERSON     | M-Moved               | 304         |
| 05-BAMBERG      | L-Moved out of County | 8           |
| 05-BAMBERG      | M-Moved               | 11          |
| 06-BARNWELL     | L-Moved out of County | 6           |
| 07-BEAUFORT     | L-Moved out of County | 506         |
| 07-BEAUFORT     | M-Moved               | 104         |
| 08-BERKELEY     | L-Moved out of County | 1196        |
| 08-BERKELEY     | M-Moved               | 39          |
| 09-CALHOUN      | L-Moved out of County | 6           |
| 10-CHARLESTON   | L-Moved out of County | 968         |
| 10-CHARLESTON   | M-Moved               | 283         |
| 11-CHEROKEE     | L-Moved out of County | 42          |
| 11-CHEROKEE     | M-Moved               | 33          |
| 12-CHESTER      | L-Moved out of County | 25          |
| 13-CHESTERFIELD | L-Moved out of County | 23          |
| 13-CHESTERFIELD | M-Moved               | 3           |
| 14-CLARENDON    | L-Moved out of County | 31          |
| 14-CLARENDON    | M-Moved               | 3           |
| 15-COLLETON     | L-Moved out of County | 52          |
| 15-COLLETON     | M-Moved               | 53          |
| 16-DARLINGTON   | L-Moved out of County | 83          |
| 16-DARLINGTON   | M-Moved               | 4           |
| 17-DILLON       | L-Moved out of County | 44          |
| 17-DILLON       | M-Moved               | 17          |
| 18-DORCHESTER   | L-Moved out of County | 287         |
| 18-DORCHESTER   | M-Moved               | 26          |
| 19-EDGEFIELD    | L-Moved out of County | 31          |
| 20-FAIRFIELD    | L-Moved out of County | 77          |
| 20-FAIRFIELD    | M-Moved               | 3           |
| 21-FLORENCE     | L-Moved out of County | 181         |
| 21-FLORENCE     | M-Moved               | 1550        |
| 22-GEORGETOWN   | L-Moved out of County | 328         |
| 22-GEORGETOWN   | M-Moved               | 10          |
| 23-GREENVILLE   | L-Moved out of County | 744         |
| 23-GREENVILLE   | M-Moved               | 596         |
| 24-GREENWOOD    | L-Moved out of County | 132         |
| 24-GREENWOOD    | M-Moved               | 646         |
| 25-HAMPTON      | L-Moved out of County | 17          |
| 25-HAMPTON      | M-Moved               | 29          |
| 26-HORRY        | L-Moved out of County | 922         |

|                 |                       |       |
|-----------------|-----------------------|-------|
| 26-HORRY        | M-Moved               | 1611  |
| 27-JASPER       | L-Moved out of County | 54    |
| 27-JASPER       | M-Moved               | 2     |
| 28-KERSHAW      | L-Moved out of County | 179   |
| 28-KERSHAW      | M-Moved               | 425   |
| 29-LANCASTER    | L-Moved out of County | 151   |
| 29-LANCASTER    | M-Moved               | 59    |
| 30-LAURENS      | L-Moved out of County | 99    |
| 30-LAURENS      | M-Moved               | 294   |
| 31-LEE          | L-Moved out of County | 8     |
| 31-LEE          | M-Moved               | 2     |
| 32-LEXINGTON    | L-Moved out of County | 365   |
| 32-LEXINGTON    | M-Moved               | 264   |
| 33-MCCORMICK    | L-Moved out of County | 15    |
| 33-MCCORMICK    | M-Moved               | 4     |
| 34-MARION       | L-Moved out of County | 7     |
| 34-MARION       | M-Moved               | 12    |
| 35-MARLBORO     | L-Moved out of County | 11    |
| 35-MARLBORO     | M-Moved               | 13    |
| 36-NEWBERRY     | L-Moved out of County | 13    |
| 36-NEWBERRY     | M-Moved               | 2     |
| 37-OCONEE       | L-Moved out of County | 129   |
| 37-OCONEE       | M-Moved               | 71    |
| 38-ORANGEBURG   | L-Moved out of County | 67    |
| 38-ORANGEBURG   | M-Moved               | 8     |
| 39-PICKENS      | L-Moved out of County | 257   |
| 39-PICKENS      | M-Moved               | 482   |
| 40-RICHLAND     | L-Moved out of County | 609   |
| 40-RICHLAND     | M-Moved               | 810   |
| 41-SALUDA       | L-Moved out of County | 8     |
| 41-SALUDA       | M-Moved               | 3     |
| 42-SPARTANBURG  | L-Moved out of County | 361   |
| 42-SPARTANBURG  | M-Moved               | 632   |
| 43-SUMTER       | L-Moved out of County | 104   |
| 43-SUMTER       | M-Moved               | 3     |
| 44-UNION        | L-Moved out of County | 10    |
| 44-UNION        | M-Moved               | 36    |
| 45-WILLIAMSBURG | L-Moved out of County | 16    |
| 45-WILLIAMSBURG | M-Moved               | 4     |
| 46-YORK         | L-Moved out of County | 843   |
| 46-YORK         | M-Moved               | 1267  |
| TOTAL           | L-Moved out of County | 9506  |
| TOTAL           | M-Moved               | 10102 |
| TOTAL           | TOTAL                 | 19608 |









|         |                               |    |
|---------|-------------------------------|----|
| 46-YORK | O-Other                       | 27 |
| 46-YORK | T-Twice registered            | 45 |
| 46-YORK | W-Written Request for Removal | 4  |

| County          | Inactive Reason       | # of Voters |
|-----------------|-----------------------|-------------|
| 01-ABBEVILLE    | L-Moved out of County | 3           |
| 01-ABBEVILLE    | M-Moved               | 2           |
| 02-AIKEN        | L-Moved out of County | 348         |
| 02-AIKEN        | M-Moved               | 1075        |
| 03-ALLENDALE    | L-Moved out of County | 2           |
| 03-ALLENDALE    | M-Moved               | 1           |
| 04-ANDERSON     | L-Moved out of County | 118         |
| 04-ANDERSON     | M-Moved               | 149         |
| 05-BAMBERG      | L-Moved out of County | 6           |
| 05-BAMBERG      | M-Moved               | 39          |
| 06-BARNWELL     | L-Moved out of County | 8           |
| 06-BARNWELL     | M-Moved               | 1           |
| 07-BEAUFORT     | L-Moved out of County | 237         |
| 07-BEAUFORT     | M-Moved               | 29          |
| 08-BERKELEY     | L-Moved out of County | 241         |
| 08-BERKELEY     | M-Moved               | 52          |
| 09-CALHOUN      | L-Moved out of County | 3           |
| 09-CALHOUN      | M-Moved               | 2           |
| 10-CHARLESTON   | L-Moved out of County | 560         |
| 10-CHARLESTON   | M-Moved               | 733         |
| 11-CHEROKEE     | L-Moved out of County | 17          |
| 11-CHEROKEE     | M-Moved               | 18          |
| 12-CHESTER      | L-Moved out of County | 10          |
| 13-CHESTERFIELD | L-Moved out of County | 8           |
| 13-CHESTERFIELD | M-Moved               | 13          |
| 14-CLARENDON    | L-Moved out of County | 11          |
| 14-CLARENDON    | M-Moved               | 5           |
| 15-COLLETON     | L-Moved out of County | 22          |
| 15-COLLETON     | M-Moved               | 23          |
| 16-DARLINGTON   | L-Moved out of County | 26          |
| 16-DARLINGTON   | M-Moved               | 65          |
| 17-DILLON       | L-Moved out of County | 4           |
| 18-DORCHESTER   | L-Moved out of County | 158         |
| 18-DORCHESTER   | M-Moved               | 4           |
| 19-EDGEFIELD    | L-Moved out of County | 6           |
| 20-FAIRFIELD    | L-Moved out of County | 13          |
| 20-FAIRFIELD    | M-Moved               | 1           |
| 21-FLORENCE     | L-Moved out of County | 74          |
| 21-FLORENCE     | M-Moved               | 278         |
| 22-GEORGETOWN   | L-Moved out of County | 58          |
| 22-GEORGETOWN   | M-Moved               | 4           |
| 23-GREENVILLE   | L-Moved out of County | 615         |
| 23-GREENVILLE   | M-Moved               | 1112        |
| 24-GREENWOOD    | L-Moved out of County | 63          |
| 24-GREENWOOD    | M-Moved               | 288         |
| 25-HAMPTON      | L-Moved out of County | 5           |

|                 |                       |       |
|-----------------|-----------------------|-------|
| 25-HAMPTON      | M-Moved               | 24    |
| 26-HORRY        | L-Moved out of County | 530   |
| 26-HORRY        | M-Moved               | 1675  |
| 27-JASPER       | L-Moved out of County | 21    |
| 27-JASPER       | M-Moved               | 16    |
| 28-KERSHAW      | L-Moved out of County | 388   |
| 28-KERSHAW      | M-Moved               | 762   |
| 29-LANCASTER    | L-Moved out of County | 83    |
| 29-LANCASTER    | M-Moved               | 218   |
| 30-LAURENS      | L-Moved out of County | 27    |
| 30-LAURENS      | M-Moved               | 26    |
| 31-LEE          | L-Moved out of County | 4     |
| 31-LEE          | M-Moved               | 2     |
| 32-LEXINGTON    | L-Moved out of County | 186   |
| 32-LEXINGTON    | M-Moved               | 273   |
| 33-MCCORMICK    | L-Moved out of County | 14    |
| 34-MARION       | L-Moved out of County | 12    |
| 34-MARION       | M-Moved               | 49    |
| 35-MARLBORO     | L-Moved out of County | 3     |
| 35-MARLBORO     | M-Moved               | 12    |
| 36-NEWBERRY     | L-Moved out of County | 12    |
| 36-NEWBERRY     | M-Moved               | 4     |
| 37-OCONEE       | L-Moved out of County | 44    |
| 37-OCONEE       | M-Moved               | 43    |
| 38-ORANGEBURG   | L-Moved out of County | 29    |
| 38-ORANGEBURG   | M-Moved               | 40    |
| 39-PICKENS      | L-Moved out of County | 84    |
| 39-PICKENS      | M-Moved               | 132   |
| 40-RICHLAND     | L-Moved out of County | 246   |
| 40-RICHLAND     | M-Moved               | 21    |
| 41-SALUDA       | L-Moved out of County | 4     |
| 41-SALUDA       | M-Moved               | 4     |
| 42-SPARTANBURG  | L-Moved out of County | 461   |
| 42-SPARTANBURG  | M-Moved               | 1050  |
| 43-SUMTER       | L-Moved out of County | 47    |
| 43-SUMTER       | M-Moved               | 101   |
| 44-UNION        | L-Moved out of County | 4     |
| 44-UNION        | M-Moved               | 18    |
| 45-WILLIAMSBURG | L-Moved out of County | 13    |
| 45-WILLIAMSBURG | M-Moved               | 2     |
| 46-YORK         | L-Moved out of County | 340   |
| 46-YORK         | M-Moved               | 714   |
| TOTAL           | L-Moved out of County | 5168  |
| TOTAL           | M-Moved               | 9080  |
| TOTAL           | TOTAL                 | 14248 |











|         |                               |    |
|---------|-------------------------------|----|
| 46-YORK | O-Other                       | 11 |
| 46-YORK | T-Twice registered            | 25 |
| 46-YORK | W-Written Request for Removal | 2  |

|                     | TOTAL Confirmation Cards (CCs) Sent | Active at End of CC Process | Inactive at End of CC Process Due to Reasons Related to CC Process |   |                         | Inactive at End of CC Process for Unrelated Reasons     |  | TOTAL Inactive at End of CC Process for Any Reason |
|---------------------|-------------------------------------|-----------------------------|--|---|-------------------------|---|--|--|
|                     |                                     |                             | Written Request (I-W)  | Confirmation of Move: Left the County (I-L) and Moved (I-M) | Failed to Respond (I-F) | TOTAL Inactive for Related Reasons (I-W, I-L, I-M, I-F) | Deceased (I-D), Convicted (I-C), Twice Registered (I-T), Hold (I-H), and Other (I-O) |  |
| Abbeville County    | 313                                 | 62                          | 1  | 2   | 229                     | 232   | 19   | 251  |
| Aiken County        | 3,015                               | 548                         | 25   | 104   | 2,184                   | 2,313   | 154  | 2,467  |
| Allendale County    | 145                                 | 17                          | -  | 1   | 116                     | 117   | 11   | 128  |
| Anderson County     | 3,270                               | 890                         | 21   | 173   | 1,978                   | 2,172   | 208  | 2,380  |
| Bamberg County      | 265                                 | 37                          | 2  | 3   | 192                     | 197   | 31   | 228  |
| Barnwell County     | 310                                 | 74                          | -  | 3   | 212                     | 215   | 21   | 236  |
| Beaufort County     | 1,861                               | 363                         | 16   | 42  | 1,310                   | 1,368   | 130  | 1,498  |
| Berkeley County     | 2,547                               | 772                         | 12   | 44  | 1,618                   | 1,674   | 101  | 1,775  |
| Calhoun County      | 253                                 | 68                          | 2  | -   | 172                     | 174   | 11   | 185  |
| Charleston County   | 7,481                               | 1,363                       | 34   | 73  | 5,708                   | 5,815   | 303  | 6,118  |
| Cherokee County     | 499                                 | 155                         | 3  | 7   | 296                     | 306   | 38   | 344  |
| Chester County      | 501                                 | 140                         | 2  | 3   | 316                     | 321   | 40   | 361  |
| Chesterfield County | 597                                 | 145                         | 6  | 2   | 388                     | 396   | 56   | 452  |
| Clarendon County    | 718                                 | 129                         | 2  | 7   | 538                     | 547   | 42   | 589  |
| Colleton County     | 549                                 | 146                         | 3  | 7   | 356                     | 366   | 37   | 403  |
| Darlington County   | 1,095                               | 229                         | 6  | 12  | 776                     | 794   | 72   | 866  |
| Dillon County       | 603                                 | 166                         | -  | 8   | 394                     | 402   | 35   | 437  |
| Dorchester County   | 2,803                               | 588                         | 16   | 29  | 2,062                   | 2,107   | 108  | 2,215  |
| Edgefield County    | 453                                 | 86                          | 2  | 4   | 336                     | 342   | 25   | 367  |
| Fairfield County    | 310                                 | 70                          | 1  | 5   | 215                     | 221   | 19   | 240  |
| Florence County     | 2,529                               | 530                         | 9  | 107   | 1,736                   | 1,852   | 147  | 1,999  |
| Georgetown County   | 507                                 | 155                         | 8  | 31  | 285                     | 324   | 28   | 352  |
| Greenville County   | 7,916                               | 1,654                       | 59   | 128   | 5,659                   | 5,846   | 416  | 6,262  |
| Greenwood County    | 775                                 | 178                         | 6  | 65  | 476                     | 547   | 50   | 597  |
| Hampton County      | 318                                 | 68                          | 3  | 1   | 229                     | 233   | 17   | 250  |
| Horry County        | 5,315                               | 1,153                       | 28   | 254   | 3,538                   | 3,820   | 342  | 4,162  |
| Jasper County       | 460                                 | 67                          | 1  | 9   | 366                     | 376   | 17   | 393  |
| Kershaw County      | 1,034                               | 269                         | 9  | 109   | 571                     | 689   | 76   | 765  |
| Lancaster County    | 1,345                               | 299                         | 5  | 45  | 867                     | 917   | 129  | 1,046  |
| Laurens County      | 862                                 | 190                         | 9  | 14  | 579                     | 602   | 70   | 672  |
| Lee County          | 363                                 | 62                          | -  | 4   | 273                     | 277   | 24   | 301  |
| Lexington County    | 4,091                               | 1,103                       | 24   | 77  | 2,690                   | 2,791   | 197  | 2,988  |
| McCormick County    | 159                                 | 30                          | 1  | 3   | 113                     | 117   | 12   | 129  |
| Marion County       | 557                                 | 121                         | 1  | 2   | 388                     | 391   | 45   | 436  |
| Marlboro County     | 490                                 | 98                          | 5  | 5   | 328                     | 338   | 54   | 392  |
| Newberry County     | 567                                 | 128                         | 1  | 3   | 391                     | 395   | 44   | 439  |
| Oconee County       | 1,372                               | 365                         | 15   | 11  | 892                     | 918   | 89   | 1,007  |
| Orangeburg County   | 1,397                               | 327                         | 14   | 14  | 968                     | 996   | 74   | 1,070  |
| Pickens County      | 1,415                               | 372                         | 19   | 34  | 909                     | 962   | 81   | 1,043  |
| Richland County     | 6,318                               | 1,331                       | 44   | 173   | 4,496                   | 4,713   | 274  | 4,987  |
| Saluda County       | 217                                 | 48                          | 2  | 3   | 147                     | 152   | 17   | 169  |
| Spartanburg County  | 4,127                               | 1,146                       | 29   | 90  | 2,635                   | 2,754   | 227  | 2,981  |
| Sumter County       | 1,387                               | 322                         | 8  | 10  | 968                     | 986   | 79   | 1,065  |
| Union County        | 460                                 | 120                         | 3  | 1   | 290                     | 294   | 46   | 340  |
| Williamsburg County | 523                                 | 95                          | 2  | 2   | 386                     | 390   | 38   | 428  |
| York County         | 3,704                               | 726                         | 28   | 105   | 2,556                   | 2,689   | 289  | 2,978  |
| <b>TOTAL</b>        | <b>75,796</b>                       | <b>17,001</b>               | <b>487</b>   | <b>1,829</b>  | <b>52,132</b>           | <b>54,448</b>   | <b>4,347</b>   | <b>58,795</b>                                      |

# Getting the facts straight about modems and South Carolina

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## 1. Do ES&S DS200 tabulators in South Carolina have modems?

No. Modems are not present in any ES&S DS200 machines in South Carolina.

Modem components are not resident on the DS200 by default, but rather a separate board that is only installed in DS200s in those jurisdictions where a state may permit their legal use. Additionally, DS200s without a modem component do not include the application or the network architecture required to support modeming and allow a modem to operate on the machine. Neither the modem application, required modem components, or network architecture technology are used, installed or certified in South Carolina, and therefore not present in the machines.

## 2. How do we know modems aren't in DS200s in South Carolina?

South Carolina counties are prohibited from purchasing equipment that is not certified in the state and ES&S has not certified modeming capabilities for DS200s in South Carolina. Additionally, ES&S has compliance oversight procedures which prevent uncertified equipment from being shipped to states.

It's important to note that today's modern cellular modeming technology also requires a private network service provider such as Verizon. None of that technology is currently in use or in place in South Carolina.

## 3. I've read articles saying DS200s have modems. What are they referencing?

Any articles regarding the DS200 and the presence or use of modems in any state where they are not certified simply are not accurate. Modeming technology has not been certified for use in South Carolina.

Do note that in a few states it is a legal practice to use cellular modems to transmit unofficial election results after the polls are officially closed and all voting has ended. In those states which allow for the use of modems, ES&S uses mobile private network connectivity, industry best practices, and numerous security safeguards to protect the transfer of these unofficial election night results. Final official results are physically uploaded at election headquarters prior to final certification. The physical ballots and printed results tapes are always protected.

Again, modem components are not resident on the DS200, but rather a separate module that is only installed in DS200s in those jurisdictions where the state has certified their use.

## 4. Do central count tabulators in South Carolina, including the DS450 and DS850 have modems?

No. South Carolina's central count tabulators do not contain modems and they are incapable of being connected to the internet.

## 5. Do ES&S voting systems certified in South Carolina allow for modeming?

No, modeming is not certified or allowed in South Carolina. Previous voting system releases approved for use in South Carolina did allow for modeming via an analog telephone connection, however as stated previously, this capability is not currently certified nor used in South Carolina.

| Device through which Votes Transmitted or Collected         | Description   | Hard copy or Electronic  | Time Period During Which Votes Stored or Transmitted  | Location  | Capacity for Internet Connectivity  | Security Measures   | Direct Control | Available Access Policy | SEC Accountability Measures |
|---|---|--------------------------|---|---|---|---|----------------|-------------------------|-----------------------------|
| <b>ExpressVote Ballot Marking Device (BMD)</b>              | Used by voters during in-person voting to prepare and print ballot card.  | Electronic               | During voting session. Votes NOT stored on device after ballot printing.  | Stored in county facilities, transported to and from polling places for use during in-person voting.  | None  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li>No Internet Connectivity</li> <li>Not used in any election</li> <li>IEEE 802.11x secured flash drives</li> <li>Password protected dependent on user role</li> <li> voter reviews and verifies printed ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office.</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Security seals on placed on flash drive door</li> <li>Security seals on BMD used for transportation to polling places</li> <li>Public observation of entire process of voter marking</li> <li>SEC Certification</li> <li>Limited cards provided to poll managers</li> <li> voter reviews and verifies printed card for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Specific paper design &amp; quality necessary to permit scanning</li> <li>Card contains color specific to election allowing ballot to be scanned by scanner</li> <li>Ballot reinsertion of cards provided, cards not used, cards scanned and voters processed</li> <li>Ballot box is locked inside scanner stand</li> <li>Security seals on bin access door</li> <li>Ballot bin locked and security sealed prior to transport to county office</li> <li>Cards stored in county office behind two locks</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Public observation of entire use of workflow and return of materials</li> <li>SEC Certification</li> <li>Logic and accuracy tests performed before every election to ensure ballots are tabulating correctly</li> <li>Limited ballots provided to poll managers</li> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Ballot reinsertion of ballots provided, ballots not used, ballots scanned and voters processed</li> <li>Specific paper design &amp; quality necessary to permit scanning</li> <li>Ballot contains timing marks specific to election allowing ballot to be scanned by scanner</li> <li>Ballot box is locked inside scanner stand with security seals on bin access door</li> <li>Emergency/Provisional compartment is locked with security seals on access door</li> <li>Any additional ballot boxes are locked and sealed while in use and during transport to county office.</li> <li>Ballots stored in county office behind two locks</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Public observation of testing, use at polling places, return of materials and scanning of ballots</li> </ul> | County Board   | 1, 4, 10                | 1, 6                        |
| <b>Ballot Cards</b>   | Voter marks ballot card containing votes at end of BMD session.   | Hard copy                | From point at which voter marks ballot through at least 22 months following the date of the election  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter marks card at scanner, and card drops in ballot bin inside scanner stand. Cards may be taken bin throughout election day. Bin is returned to county office by poll clerk on election night.</li> <li><b>Access Control</b> Stored in bins at county office. Bin may be opened and cards removed for hand-count audit prior to certification of election. Cards returned to bin after hand-count audit. After certification of election, cards may be removed from bins and placed in storage boxes for long-term retention.</li> </ul>   | None  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter marks card at scanner, and card drops in ballot bin inside scanner stand. Cards may be taken bin throughout election day. Bin is returned to county office by poll clerk on election night.</li> <li><b>Access Control</b> Stored in bins at county office. Bin may be opened and cards removed for hand-count audit prior to certification of election. Cards returned to bin after hand-count audit. After certification of election, ballots may be removed from bins and placed in storage boxes for long-term retention.</li> </ul>   | County Board   | 1, 11                   | 1, 6                        |
| <b>Hand-Marked Emergency Ballots</b>                        | Used for in-person emergency voting when voting equipment is unavailable.   | Hard copy                | From point at which voter marks ballot through at least 22 months following the date of the election  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> scanner is operable, voter marks ballot in scanner, and ballot drops in ballot bin inside scanner stand. If scanner is inoperable, voter drops ballot in emergency/provisional slot on front of scanner read or places in ballot bin. Ballots remain in emergency/provisional ballot compartment on ballot box throughout election day. Escrower is operated at close of polls, poll managers use emergency ballots. If scanner is inoperable at close of polls, ballots are returned to county office by poll clerk on election night for processing at county office.</li> <li><b>Access Control</b> Stored in bins at county office. Bin may be opened and ballots removed for hand-count audit prior to certification of election. Ballots returned to bin after hand-count audit. After certification of election, ballots may be removed from bins and placed in storage boxes for long-term retention.</li> </ul>   | None  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> scanner is operable, voter marks ballot in scanner, and ballot drops in ballot bin inside scanner stand. If scanner is inoperable, voter drops ballot in emergency/provisional slot on front of scanner read or places in ballot bin. Ballots remain in emergency/provisional ballot compartment on ballot box throughout election day. Escrower is operated at close of polls, poll managers use emergency ballots. If scanner is inoperable at close of polls, ballots are returned to county office by poll clerk on election night for processing at county office.</li> <li><b>Access Control</b> Stored in bins at county office. Bin may be opened and ballots removed for hand-count audit prior to certification of election. Ballots returned to bin after hand-count audit. After certification of election, ballots may be removed from bins and placed in storage boxes for long-term retention.</li> </ul>   | County Board   | 1, 4, 11                | 1, 6                        |
| <b>Hand-Marked Provisional Ballots</b>                      | Used for provisional voting.  | Hard copy                | From point at which voter marks ballot through at least 22 months following the date of the election  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter places ballot in provisional ballot envelope and places the envelope in the emergency/provisional slot on front of scanner read or places in ballot bin. Envelopes remain in emergency/provisional ballot compartment on ballot box throughout election day. Envelopes are removed during close of polls and are returned to county office by poll clerk on election night.</li> <li><b>Access Control</b> Envelopes are stored at county office until provisional ballot opening. After ballot opening at provisional ballot hearing, ballots to be counted are removed from the envelopes and returned, and ballots voted not to count are left in the envelopes. Counted ballots and envelopes containing ballots not counted are stored in boxes in county office.</li> </ul>  | None  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter places ballot in provisional ballot envelope and places the envelope in the emergency/provisional slot on front of scanner read or places in ballot bin. Envelopes remain in emergency/provisional ballot compartment on ballot box throughout election day. Envelopes are removed during close of polls and are returned to county office by poll clerk on election night.</li> <li><b>Access Control</b> Envelopes are stored at county office until provisional ballot opening. After ballot opening at provisional ballot hearing, ballots to be counted are removed from the envelopes and returned, and ballots voted not to count are left in the envelopes. Counted ballots and envelopes containing ballots not counted are stored in boxes in county office.</li> </ul>  | County Board   | 1, 4, 11                | 1, 6                        |
| <b>D200 Scanner</b>   | Voter inserts ballot in scanner at polling place for tabulation. Also used to verify count main in absentee ballots and provisional ballots at county offices in smaller jurisdictions. | Electronic               | Only while in use during voting. Votes stored on D200 flash drive. Vote data returns after flash drive removal.   | Stored in county facilities. Transported to and from polling places for use during in-person voting.  | None. See information in letter in response to Item 9 regarding the capacity for internet connectivity of D200 scanners deployed in other states. | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of entire process of voter marking</li> <li>SEC Certification</li> <li>Logic and accuracy tests performed before every election to ensure ballots are tabulating correctly</li> <li>Results on flash drive compared against results on D200 paper tapes</li> <li>Flashing flash drive in computer with internet connectivity is banned by policy</li> <li>Data on flash drive is specifically coded and structured to be accepted by the system for a specific election</li> <li>Policy restricts access to only poll managers and approved county and SEC staff</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Flash drive door or scanner locked</li> <li>Security seals on flash drive door</li> <li>Public observation of cleaning of polls, return of equipment, voter tabulation</li> </ul>   | County Board   | 1, 11                   | 1, 6                        |
| <b>D300 Flash Drive</b>                                     | Removable data storage device in the D200 scanner. Stores voter tabulation, card vote records, ballot images, and activity logs.  | Electronic               | From the time a ballot is scanned through the time the flash drive is cleared. Data from voter tabulation, card vote records, ballot images, and activity logs.                               | All ballots are scanned, with data is recorded. Flash drive removed during close of polls. Flash drives are never returned to county office by poll clerk on election night for processing at county office.  | None.   | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of entire process of voter marking</li> <li>SEC Certification</li> <li>Logic and accuracy tests performed before every election to ensure ballots are tabulating correctly</li> <li>Results on flash drive compared against results on D200 paper tapes</li> <li>Flashing flash drive in computer with internet connectivity is banned by policy</li> <li>Data on flash drive is specifically coded and structured to be accepted by the system for a specific election</li> <li>Policy restricts access to only poll managers and approved county and SEC staff</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Flash drive door or scanner locked</li> <li>Security seals on flash drive door</li> <li>Public observation of cleaning of polls, return of equipment, voter tabulation</li> </ul>   | County Board   | 1, 11                   | 1, 6                        |
| <b>D200 Results Tapes</b>                                   | Two copies printed from the D200 scanner at polling place after polls close: one for public reporting, other for county records.  | Hard copy                | From time of printing through at least 22 months following the date of the election   | After printing, one copy is posted publicly at the polling place. The other copy is returned to county office by poll clerk on election night.  | None.   | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of entire process of voter marking</li> <li>SEC Certification</li> <li>Logic and accuracy tests performed before every election to ensure ballots are tabulating correctly</li> <li>Results on flash drive compared against results on D200 paper tapes</li> <li>Hand-count audits results compared against paper tapes</li> <li>Public observation of cleaning of polls, public posting of tape at polling place</li> </ul>   | County Board   | 1, 11                   | 1, 6                        |
| <b>Hand-Marked Ballot in Absentee Ballots</b>               | Used by voter to vote absentee by mail.   | Hard copy                | From point at which voter marks ballot through at least 22 months following the date of the election  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter marks ballot in Ballot Here-In Envelope (BHE) and places BHE in Ballot Return Envelope (BRE). BRE received by voter's county office through U.S. Mail or by personal delivery. BRE is placed in a locked and sealed ballot box. BRE is not signed by the voter, not properly witnessed, or unreturned, or late. The BRE is placed in an Absentee Envelope (AE) (preventing the reason for which the ballot will not count). The AE is placed in the ballot box. At the designated time for opening BREs, county officials open each BRE and remove the BRE. Once all BREs are removed, county officials open each BRE and remove the ballot. AEs are never opened and are stored in the county office. Printed copies of ballots returned by mail are deposited publicly in a Hand-Marked Absentee Ballot following the Duplication/Ballot Procedure. The scanner-readable ballots are tabulated by D200, D250 or D500 scanners. After scanning, all envelopes and ballots are boxed and stored in the county office. Electronic copy of ballot remains in email account until deleted.</li> </ul>   | None  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of entire process of voter marking</li> <li>SEC Certification</li> <li>Logic and accuracy tests performed before every election to ensure ballots are tabulating correctly</li> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Ballot reinsertion of absentee applications issued and returned, ballots issued and returned, ballots not used, ballots scanned and voters issued absentee ballots</li> <li>Specific paper design &amp; quality necessary to permit scanning</li> <li>Ballot contains timing marks specific to election allowing ballot to be scanned by scanner</li> <li>Ballot box is locked and sealed</li> <li>Ballots stored in county office behind two locks</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Public observation of testing, opening of BREs and scanning of ballots</li> <li>limitations on who can vote absentee</li> <li>limitations on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter signature required</li> </ul>  | County Board   | 4, 12                   | 1, 6                        |
| <b>Military &amp; Overseas Ballots Transmitted by Email</b> | Paper ballot transmitted electronically via email by military and overseas voters.  | Electronic and Hard Copy | From point at which voter marks ballot through at least 22 months following the date of the election  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter marks ballot and scans and emails the ballot to the county office. County office opens scanned image file, and prints ballot created a paper ballot that cannot be read by the scanner. Ballot is placed in BRE. BRE is placed in ballot box. BRE is not signed by the voter, not properly witnessed, or unreturned, or late. The BRE is placed in an Absentee Envelope (AE) (preventing the reason for which the ballot will not count). The AE is placed in the ballot box. At the designated time for opening BREs, county officials open each BRE and remove the BRE. Once all BREs are removed, county officials open each BRE and remove the ballot. AEs are never opened and are stored in the county office. Printed copies of ballots returned by mail are deposited publicly in a Hand-Marked Absentee Ballot following the Duplication/Ballot Procedure. The scanner-readable ballots are tabulated by D200, D250 or D500 scanners. After scanning, all envelopes, original ballots and duplicate ballots are boxed and stored in the county office. Electronic copy of ballot remains in email account until deleted.</li> </ul> | Ballots are transmitted via email over the internet.  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of entire process of voter marking</li> <li>SEC Certification</li> <li>Logic and accuracy tests performed before every election to ensure ballots are tabulating correctly</li> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Ballot reinsertion of absentee applications issued and returned, ballots issued and returned, ballots not used, ballots scanned and voters issued absentee ballots</li> <li>Specific paper design &amp; quality necessary to permit scanning</li> <li>Ballot contains timing marks specific to election allowing ballot to be scanned by scanner</li> <li>Ballot box is locked and sealed</li> <li>Ballots stored in county office behind two locks</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Public observation of testing, opening of BREs, ballot duplication, and scanning of ballots</li> <li>limitations on who can vote absentee</li> <li>limitations on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter signature required</li> </ul>   | County Board   | 4, 12                   | 1, 6                        |
| <b>Military &amp; Overseas Ballots Transmitted by Fax</b>   | Paper ballot transmitted electronically via fax by military and overseas voters.  | Electronic and Hard Copy | From point at which voter marks ballot through at least 22 months following the date of the election  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter marks ballot and scans the ballot to the county office. The results is a paper ballot that cannot be read by the scanner. Ballot is placed in BRE. BRE is placed in ballot box. BRE is not signed by the voter or returned late. The AE is placed in the ballot box. At the designated time for opening BREs, county officials open each BRE and remove the BRE. Once all BREs are removed, county officials open each BRE and remove the ballot. AEs are never opened and are stored in the county office. Printed copies of ballots returned by fax are deposited publicly in a Hand-Marked Absentee Ballot following the Duplication/Ballot Procedure. The scanner-readable ballots are tabulated by D200, D250 or D500 scanners. After scanning, all envelopes, original ballots and duplicate ballots are boxed and stored in the county office. Electronic copy of ballot remains on any hard drive associated with fax device until deleted.</li> </ul>   | Ballots are transmitted via fax over telephone lines or the internet.   | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of testing, opening of BREs, ballot duplication, and scanning of ballots</li> <li>limitations on who can vote absentee</li> <li>limitations on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter must apply for military and overseas voter designation</li> <li>conditions on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter signature required</li> </ul>   | County Board   | 4, 12                   | 1, 6                        |
| <b>Duplicated Ballots</b>                                   | Duplicate ballots are within hand-marked paper ballots on ballot cards created during the tabulation process when original ballots are unable to be read by a ballot scanner.           | Hard copy                | From point at which duplicate ballot is created through at least 22 months following the date of the election   | Duplicate ballots are produced at the county office following the Duplication/Ballot Procedure. The duplicate ballots are tabulated by D200, D250 or D500 scanners. Original ballots and duplicate ballots are boxed and stored in the county office.   | None  | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of testing, opening of BREs, ballot duplication, and scanning of ballots</li> <li>limitations on who can vote absentee</li> <li>limitations on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter must apply for military and overseas voter designation</li> <li>conditions on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter signature required</li> </ul>   | County Board   | 4, 12                   | 1, 6                        |
| <b>D500 Scanner</b>   | Used to centrally count main in absentee ballots and provisional ballots at county offices in larger jurisdictions.   | Electronic               | Votes stored on internal drive from the time a ballot is scanned through the time the internal drive is cleared.  | Stored in county facilities.  | None. See information in letter in response to Item 9 regarding the capacity for internet connectivity of D500 scanners deployed in other states. | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of testing, opening of BREs, ballot duplication, and scanning of ballots</li> <li>limitations on who can vote absentee</li> <li>limitations on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter must apply for military and overseas voter designation</li> <li>conditions on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter signature required</li> </ul>   | County Board   | 4, 11                   | 1, 6                        |
| <b>D500 Flash Drive</b>                                     | Removable data storage device used to receive data from the D500 scanner.   | Electronic               | From the time data is downloaded to the drive from the D500 to the time the drive is cleared. Data from flash drive is saved with all election data from the election for at least 22 months. | Stored in county facilities.  | None.   | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of testing, opening of BREs and scanning of ballots</li> <li>limitations on who can vote absentee</li> <li>limitations on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter must apply for military and overseas voter designation</li> <li>conditions on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter signature required</li> </ul>  | County Board   | 4, 11                   | 1, 6                        |
| <b>D500 Results Reports</b>                                 | Printed results report printed from the D500 scanner.   | Hard Copy                | From time of printing through at least 22 months following the date of the election   | Stored in county facilities.  | None.   | <p><b>Access Control</b></p> <ul style="list-style-type: none"> <li> voter reviews and verifies ballot for accuracy before casting</li> <li>Hand-count audits of voter-verified paper ballots</li> <li>Stored behind two locks in county office</li> <li>Access to storage restricted</li> <li>Access log for storage area</li> <li>Only accepts paper of specific design &amp; quality</li> <li>Flash drive door locked</li> <li>Scanner is locked in scanner stand</li> <li>Security seals on flash drive door</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Security seals on scanner stand and lid for transportation to polling places</li> <li>Public observation of testing, opening of BREs, ballot duplication, and scanning of ballots</li> <li>limitations on who can vote absentee</li> <li>limitations on who can request an application</li> <li>ballots mailed to mailing address on file</li> <li>limitations on who can return an absentee ballot</li> <li>limitations on how an absentee ballot can be returned</li> <li>voter signature required</li> </ul>   | County Board   | 4, 11                   | 1, 6                        |

|   |  |                        |   |   |   |   |              |          |   |
|---|--|------------------------|---|---|---|---|--------------|----------|---|
| <b>OSDS Scanner</b>                                   | Used to centrally count machine absentee ballots and provisional ballots at county offices in larger jurisdictions.  | Electronic             | Votes stored on internal drive. From the time a ballot is scanned through the time the internal drive is cleared.   | Stored in county facilities.  | None. See information letter in response to item 9 regarding the capacity for internet connectivity of OSDS scanners deployed in other states.  | EAC Certification<br>SEC Certification<br>No Internet Connectivity<br>Log and accuracy tests performed before every election to ensure ballots are tabulating correctly<br>Will only accept coded flash drives<br>Password protected dependent on user role<br>Clear review and verify printed ballot for accuracy before casting<br>Hand-count audits of voter-verified paper ballots<br>Scanner will only accept ballot cards and hand-marked ballots prepared for the specific election<br>Policy restricts access to only approved county and SEC staff<br>Stored behind two locks in county office<br>Access to storage restricted<br>Access log for storage area<br>Only accepts paper of specific design & quality<br>Internal drive not easily accessible<br>locks on flash drive door<br>Public observation of hardware reviewer of data and reviewer of ballots | County Board | 4-11     | 1.6   |
| <b>OSDS Flash Drive</b>                               | Removable data storage device on the OSDS scanner.   | Electronic             | From the time data is downloaded to the drive from the OSDS to the time the drive is cleared. Data from flash drive is saved with all electronic data from the election for at least 22 months. | Stored in county facilities.  | None.   | EAC Certification<br>SEC Certification<br>Log and accuracy tests performed before every election to ensure ballots are tabulating correctly<br>Results on flash drive compared against results on OSDS paper tapes<br>Flash drive to computer with internet connectivity is banned by policy<br>Data on flash drive is specifically coded and structured to be accepted by the system for a specific election<br>Policy restricts access to only approved county and SEC staff<br>Stored behind two locks in county office<br>Access to storage restricted<br>Access log for storage area<br>Flash drive door on scanner locked<br>Public observation of clearing of polls, return of equipment, vote tabulation  | County Board | 4-11     | 1.6   |
| <b>OSDS Results Reports</b>                           | Printed results report generated from the OSDS scanner.  | Hard Copy              | From time of printing through at least 22 months following the date of the election.  | Stored in county facilities.  | None.   | EAC Certification<br>SEC Certification<br>Hand-count audits results compared against reports<br>Public observation of clearing of polls, return of results reports  | County Board | 4-11     | 1.6   |
| <b>Electionware Computer</b>                          | Central vote tabulation computer in county office.   | Electronic             | From time of reading OSDS, OSDS or OSDS Ball Drive until deleted. Data is backed up on Electionware computer or Electionware backup hard drives for at least 22 months.                         | Stored in county facilities.  | None.   | EAC Certification<br>SEC Certification<br>Owned, provided, installed and managed by SEC<br>County has no access to admin side, cannot load software or make changes to settings or configuration<br>Configured according to NIST cybersecurity standards<br>Modems are hardware and software disabled<br>Modems ports are plugged<br>Contains no wireless modems<br>Computer chassis locked to prevent access<br>Password protected based on user role<br>Configuration reviewed, assessed and approved by third-party cybersecurity vendor<br>Policy restricts access to computer to only approved county and SEC staff<br>Stored behind two locks in county office<br>Access to storage restricted<br>Access log for storage area   | County Board | 4-9, 11  | 1.6   |
| <b>Electionware Printer</b>                           | Used to print results reports.   | Electronic             | Only while in use.  | Stored in county facilities.  | This capacity is handled by the Election Computer is connected to Electionware Computer<br>Contains no wireless modems<br>Policy restricts access to printer to only approved county and SEC staff<br>Stored behind two locks in county office<br>Access to storage restricted<br>Access log for storage area | County Board  | 4-9          | 1.6      |   |
| <b>Electionware Flash Drive</b>                       | Flash drive used to move data from Electionware Computer to Secure Endpoint Computer   | Electronic             | From time of export to drive until deleted.   | Stored in county facilities.  | None.   | Owned and approved by SEC<br>Only flash drive approved by policy for moving data to and from Electionware Computer<br>Data is encrypted at rest and in transit until decrypted<br>Flash drive is password protected<br>Results on flash drive compared against results on OSDS paper tapes<br>Flash drive in any computer other than the Electionware Computer or Secure Endpoint Computer is banned by policy<br>Policy restricts access to only approved county and SEC staff<br>Stored behind two locks in county office<br>Access to storage restricted<br>Access log for storage area  | County Board | 4-9, 11  | 1.6   |
| <b>Secure Endpoint Computer</b>                       | Computer used to upload results to Election Night Results Reporting web (ENR)  | Electronic             | From time of accessing the data on the Electionware Flash Drive until deleted.  | Stored in county facilities.  | Connected to internet.  | Owned, provided, installed and managed by SEC<br>County has no access to admin side, cannot load software or make changes to settings or configuration<br>Configured to Google enterprise security standards<br>Wireless modems administratively disabled in computer settings<br>Cannot connect only to an approved, white-listed site determined by SEC<br>Password protected based on user role<br>Configuration reviewed, assessed and approved by SEC Department of Administration Division of Technology Operations and Division of Information Security<br>Configuration reviewed, assessed and approved by third-party cybersecurity vendor<br>Policy restricts access to computer to only approved county and SEC staff<br>Stored behind two locks in county office<br>Access to storage restricted<br>Access log for storage area                               | County Board | 4-9      | 1.6   |
| <b>Electionware Results Reports</b>                   | Results reports produced from Electionware Computer.   | Hard copy & Electronic | From time report is produced until at least 22 months following election.   | Stored in county facilities.  | None.   | EAC Certification<br>SEC Certification<br>Hand-count audits results compared against reports<br>Reports compared against scanner results tapes and reports<br>Public observation of clearing of polls, return of results reports  | County Board | 4-9, 11  | 1.6   |
| <b>Election Night Results Reporting Website (ENR)</b> | Online results reporting site provided by SEC used in at least level elections.  | Electronic             | From time results data is uploaded by county until at least 22 months following election. Content persists to retain data on site indefinitely.   | Data on vendor servers.   | Connected to internet.  | Password protected based on user role<br>Access requires multi-factor authentication<br>Servers secured by vendor<br>Site results compared and verified against Election Night Results Reports and County Certification Documentation   | SEC          | 4, 9, 11 | 1.6   |
| <b>County Certification Documentation</b>             | Includes census sheets signed by members of county boards of voter registration and elections and Electionware Results Reports showing the final, official results of an election. | Hard copy              | From time of certification, retained permanently.   | Stored in county facilities. In some cases, transferred to S.C. Department of Archives and History. | None.   | Hand-count audits to confirm scanner results<br>Searches confirm county director has completed all steps in canvassing checklist<br>All ballots cast recorded<br>Results compared against scanner results tapes and reports<br>Certified in public meeting  | County Board | 4, 9, 11 | 1.6   |
| <b>SEC Certification Documentation</b>                | Official documents signed by members of the SEC showing the official, certified results of an election.  | Hard copy              | From time of certification, retained permanently.   | Stored at SEC. In some cases, transferred to S.C. Department of Archives and History.               | None.   | SEC verifies all results reported by counties<br>SEC verifies hand-count audit process complete by counties<br>SEC verifies County Certification Documentation matches Election Night Results Reporting website<br>Certified in public meeting  | SEC          | 4, 9-9   | SEC ensure county certified results match SEC certified results |
| <b>Electionware Backup Hard Drives</b>                | Used to store backups of the election database after certification of the election.  | Electronic             | From time backup until at least 22 months following election.   | Stored in county facilities.  | None.   | Connecting to any other computer than the Electionware Computer is banned by policy<br>Policy restricts access to only approved county and SEC staff<br>Stored behind two locks in county office<br>Access to storage restricted<br>Access log for storage area   | County Board | 4-7      | 1.6   |

|           | <b>Agency Policy Documents</b>                      | <b>Most Recent Update</b> |
|-----------|---|---------------------------|
| <b>1</b>  | Poll Manager's Handbook                             | October 2021              |
| <b>2</b>  | BMD & Scanner Open & Close Guides                   | January 2020              |
| <b>3</b>  | Polling Location Technician Guide                   | October 2021              |
| <b>4</b>  | Election Preparation and Results Accumulation Guide | September 2020            |
| <b>5</b>  | Election Definition Guide                           | February 2021             |
| <b>6</b>  | Election Security Plan                              | October 2021              |
| <b>7</b>  | Voter Registration and Elections Handbook           | April 2019                |
| <b>8</b>  | Hand Count Audit Procedure                          | November 2020             |
| <b>9</b>  | Ballot Reconciliation Procedure                     | October 2020              |
| <b>10</b> | Ballot Duplication Prodedure                        | November 2019             |
| <b>11</b> | Canvass Checklist                                   | October 2019              |
| <b>12</b> | UOCAVA Absentee Voting Guide                        | September 2008            |

| <b>Agency Accountability Measures</b> |  |
|---------------------------------------|--|
| <b>1</b>                              | Hand-Count Audits                                      |
| <b>2</b>                              | Field Audits   |
| <b>3</b>                              | Site Visits  |
| <b>4</b>                              | Physical Security Assessments                          |
| <b>5</b>                              | Integra Eleciton Security Assessments (in development) |
| <b>6</b>                              | Ad Hoc Inquiries & Assessments                         |

| <b>Date</b> | <b>Review, Audit or Postelection Analysis</b>   | <b>Purpose</b>   | <b>Public Access Method</b> |
|-------------|---|--|-----------------------------|
| 2017        | County Compliance Audits  | Review of documentation of administration, policies and procedures for county offices and boards. Review of compliance with Training and Certification Program.  | Upon request                |
| 2017        | Voting System Audits of Various Local General Elections and State and Local Special Elections.        | To ensure accuracy of certified results. SEC collected and analyzed data from voting system to determine if every vote was counted accurately and completely.  | scVOTES.gov                 |
| 2018        | Physical Security Audits of County Facilities - Partnership with U.S. Department of Homeland Security | Assess and make recommendations regarding physical security of county facilities, particularly as it relates to voting system security.  | Not a public record         |
| 2018        | Statewide Voting System Audit of the June Primaries & Runoffs   | To ensure accuracy of certified results. SEC collected and analyzed data from voting system to determine if every vote was counted accurately and completely.  | scVOTES.gov                 |
| 2018        | Statewide Voting System Audit of General Election   | To ensure accuracy of certified results. SEC collected and analyzed data from voting system to determine if every vote was counted accurately and completely.  | scVOTES.gov                 |
| 2018        | Voting System Audits of Various Local General Elections and State and Local Special Elections.        | To ensure accuracy of certified results. SEC collected and analyzed data from voting system to determine if every vote was counted accurately and completely.  | scVOTES.gov                 |
| 2019        | Voting System Audits of Various Local General Elections and State and Local Special Elections.        | To ensure accuracy of certified results. SEC collected and analyzed data from voting system to determine if every vote was counted accurately and completely.  | scVOTES.gov                 |
| 2020        | Hand count voting system audit of 2020 Presidential Preference Primary                                | To ensure accuracy of certified results. SEC required county boards to hand count ballots from a variety of precincts to verify the scanner-tabulated results matched the voter-verified ballots. County boards reported results to SEC. | Upon request                |
| 2020        | Hand count voting system audit of 2020 June Primaries and Runoffs                                     | To ensure accuracy of certified results. SEC required county boards to hand count ballots from a variety of precincts to verify the scanner-tabulated results matched the voter-verified ballots. County boards reported results to SEC. | Upon request                |
| 2020        | Hand count voting system audit of 2020 General Election   | To ensure accuracy of certified results. SEC required county boards to hand count ballots from a variety of precincts to verify the scanner-tabulated results matched the voter-verified ballots. County boards reported results to SEC. | Upon request                |
| 2021        | Physical Security Audits of County Facilities - Partnership with U.S. Department of Homeland Security | Assess and make recommendations regarding physical security of county facilities, particularly as it relates to voting system security.  | Not a public record         |