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AuditEngine

REF: M2015

Monmouth County Board of Elections Allan Roth -- <u>allan.roth@co.monmouth.nj.us</u> Eileen Kean -- <u>eileen.kean@co.monmouth.nj.us</u> Patricia Bennett -- <u>patricia.bennett@co.monmouth.nj.us</u> Glen Mendez -- <u>glen.mendez@co.monmouth.nj.us</u> Bryan Russell -- <u>bryan.russell@co.monmouth.nj.us</u> Samantha Minchello -- <u>samantha.minchello@co.monmouth.nj.us</u> Robert Angelini -- <u>robert.angelini@co.monmouth.nj.us</u> Robin Major -- <u>robin.major@co.monmouth.nj.us</u>

Dear Monmouth County Board of Elections:

Thank you for accepting my letter.

My name is Ray Lutz, and I am writing to introduce you to AuditEngine¹, our cutting-edge ballot image auditing platform.

OCR BMD ballots

We differ from other options in that we can "read" all of the printed options on a BMD ballot and do not rely on any barcodes. To our knowledge, no other contractor can provide this element as Clear Ballot, the other leading provider, generally uses code from ES&S to decode the barcodes.

Our platform runs in the cloud so we can use up to 10,000 computers in parallel to quickly retabulate your election.

Recent Audit of Monmouth 2022 election

We recently completed an audit of a recent election in Monmouth County and are

¹ Please visit https://AuditEngine.org

pleased to share some of our findings and capabilities². Of course, we found an error in double uploading six thumb drives due to insufficient tracking by ES&S software. In our opinion, this issue is software-related and not a human error, as the software *should* prevent double uploads by recognizing each thumb drive's unique association with a specific machine. I will also include a Technical Brief about this "Dual Tabulations" issue, which we were the first to document in a similar situation in the 2020 canvass in Volusia County, FL.

Accuracy Demonstrated

In the Monmouth audit, our platform was able to independently detect and remove all repeated ballot images, and for the contests that were hand counted, we came within 3 votes of your hand counts, demonstrating the precision of our system. Additionally, we identified discrepancies in three additional contests that were not hand counted, highlighting the importance of comprehensive auditing for all contests, regardless of their competitiveness.

AuditEngine is designed to provide a thorough and transparent audit process, ensuring voter confidence and election integrity. We believe our platform can be an invaluable tool for your future elections, providing an additional layer of scrutiny and accuracy.

We have recently also revised our pricing model which is very competitive, but is reliant on "clean data" without a lot of extra work to resolve differences in contest names and options, for example. Assuming about 500K registered voters and a 65% turnout, we would process approximately 325,000 sheets. Our pricing model, based on clean data, is \$5K for the first 25K sheets and \$0.07 per sheet thereafter, totaling \$26K for an election of this size."³

We can offer this pricing only with clean data, and it does not include extras you may want to include. Regarding "clean data", I will provide a document describing what that entails. There are a variety of options, such as quick turnaround (cooperative workflow), narrative report, and physical ballot scanning, which are available for nominal additional cost. If there are issues in the data that we have to work around, then for the ones we have already seen, we have a pricing schedule to guide those charges.

We would be delighted to discuss our findings in more detail and explore how AuditEngine can support the Monmouth County Board of Elections. Please feel free to contact me at raylutz@CitizensOversight.org or 619-820-5321 to arrange a meeting

AuditEngine Narrative Report for Burlington, Mercer and Monmouth Counties (2022) New Jersey (also attached with the letter).

² <u>https://docs.google.com/document/d/1HhAfIGIhEQUIHpyChl0uJORUmymGAZq9thdPMbKuGXs/edit</u> ---

³ Prices and policies may be changed without notice.

at your convenience. I would also be happy to attend your next meeting, either in person or via Zoom, to present our audit findings, pricing model, and recommendations for election design.

Thank you for your time and consideration. We look forward to the opportunity to work with you to enhance the integrity of the electoral process in Monmouth County.

Sincerely,

Ray Lutz Executive Director, CitizensOversight Creator of AuditEngine, an election auditing service.

ATTACHMENTS

The following additional information is provided in PDF form and also by link.

- a. AuditEngine Narrative Report for Burlington, Mercer and Monmouth Counties (2022) New Jersey -- M2009 https://copswiki.org/Common/M2009
- b. AuditEngine Pricing Model -https://docs.google.com/document/d/1K4kW0r_heZKIU00WnwVN4etkg ohRZB87TYu9njVocIE/edit?usp=sharing
- c. "Election Design to Enable BIA Auditing" <u>https://docs.google.com/document/d/1081zAhyN63RNLZsqnSRx08A5T51</u> <u>nBLSqHqpvXiQEq_U/edit?usp=sharing</u> This document provides tips and hints for designing your election to avoid many pitfalls we have seen in recent audits we have performed.
- d. "AuditEngine Findings" (M2007) https://copswiki.org/Common/M2007
- e. Technical Brief: Dual Tabulations in ES&S Voting Systems (M1989) https://copswiki.org/Common/M1989