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Electric Safety Standards
2025 Performance & Analysis

Background

- ❑ Safety Standards
  - Stray Voltage Testing
  - Inspections
  - Adoption of NESC
- ❑ Mobile Testing Requirements

Reason for the Electric Safety Standards

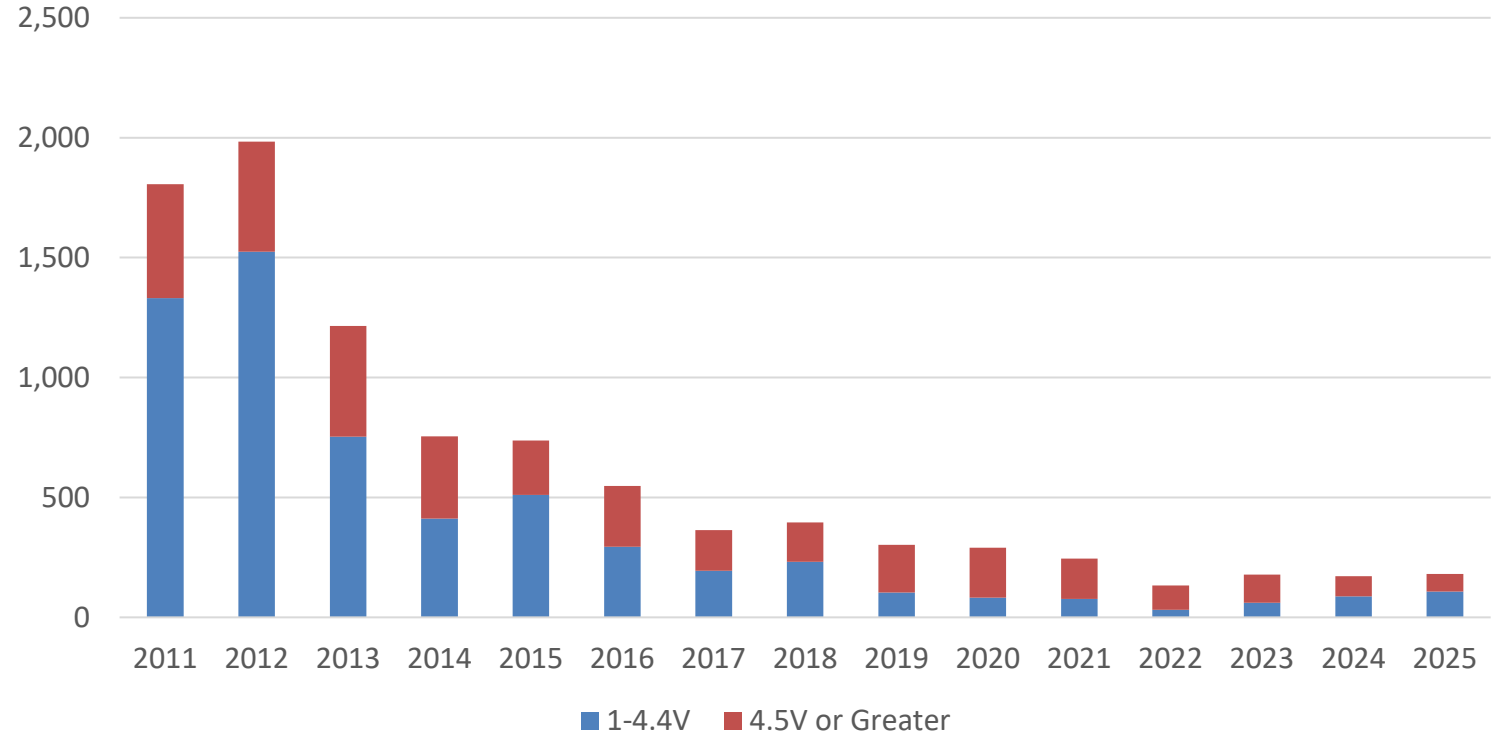
- On January 16, 2004, Jodie Lane was electrocuted in front of 342 East 11th Street, Manhattan, NY after coming into contact with a service box owned by Consolidated Edison Company of New York, Inc.

- The Company's and Department Staff's investigation of this tragic incident revealed that a shunt cable in the service box was not properly insulated, and that a Con Edison employee did not follow specified company procedures when he sealed the end of the cable the prior year. The cable came into contact with the metal housing of the service box, thereby electrifying the box.

Electric Safety Standards History

- On January 5, 2005, the Commission issued its Order Instituting Safety Standards, which established the Electric Safety Standards, whose purpose is to safeguard the public from exposure to stray voltage and to identify and eliminate potentially harmful conditions before serious safety hazards and/or reliability deficiencies develop.
- The 2005 Safety Standards included the following:
  - Annual manual stray voltage testing of utility electric facilities that can conduct electricity and are publicly accessible;
  - Inspections of utility electric facilities on a minimum of a five-year cycle;
  - Recordkeeping, certification, and reporting requirements; and
  - Adoption of National Electric Safety Code as a minimum standard governing utility construction, maintenance, and operations.
- The Electric Safety Standards were later modified to require mobile stray voltage testing, the tracking of temporary repairs, an independent quality assurance program, and the ability to adopt an asset management approach for underground facility inspections.

Manual Stray Voltage Testing – Historical Results



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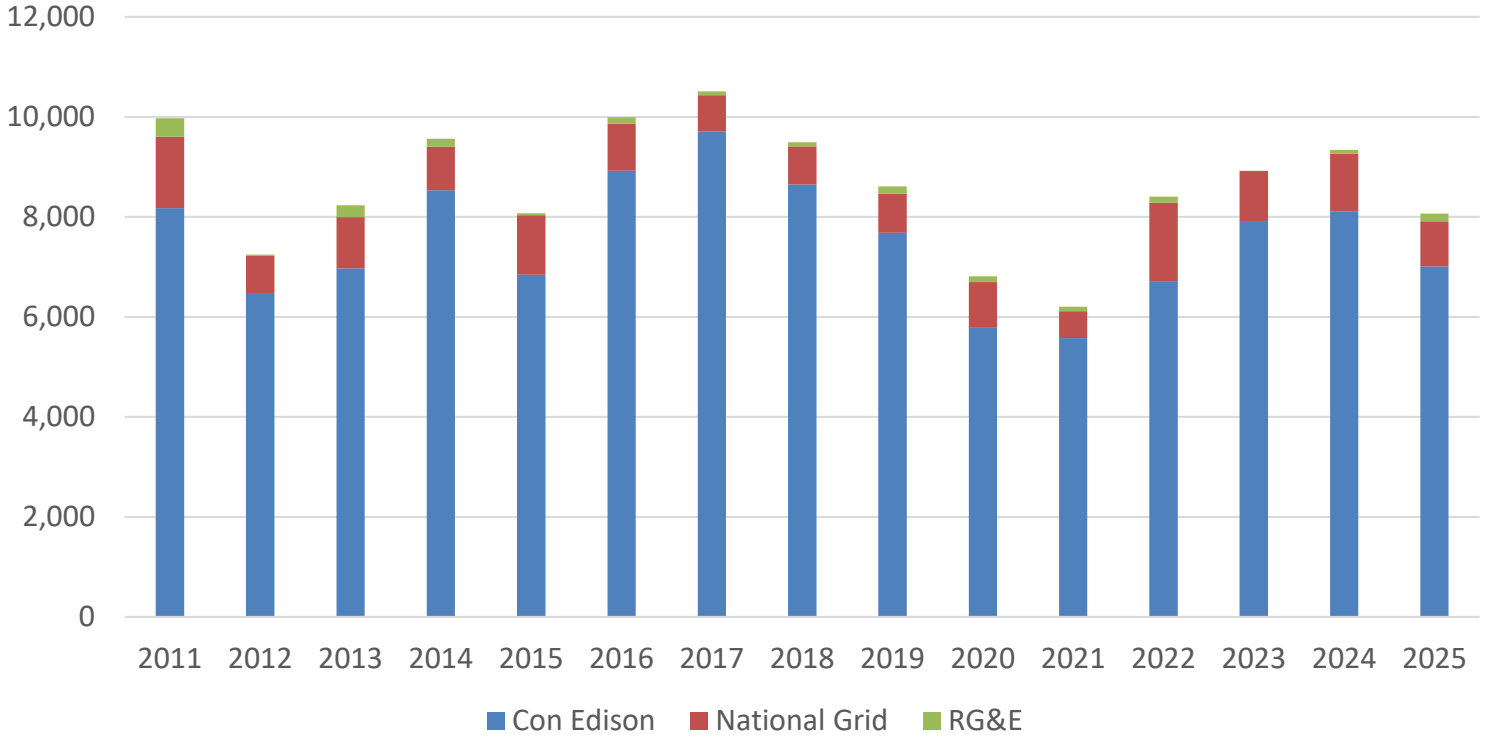
Mobile Stray Voltage Testing – Historical Results



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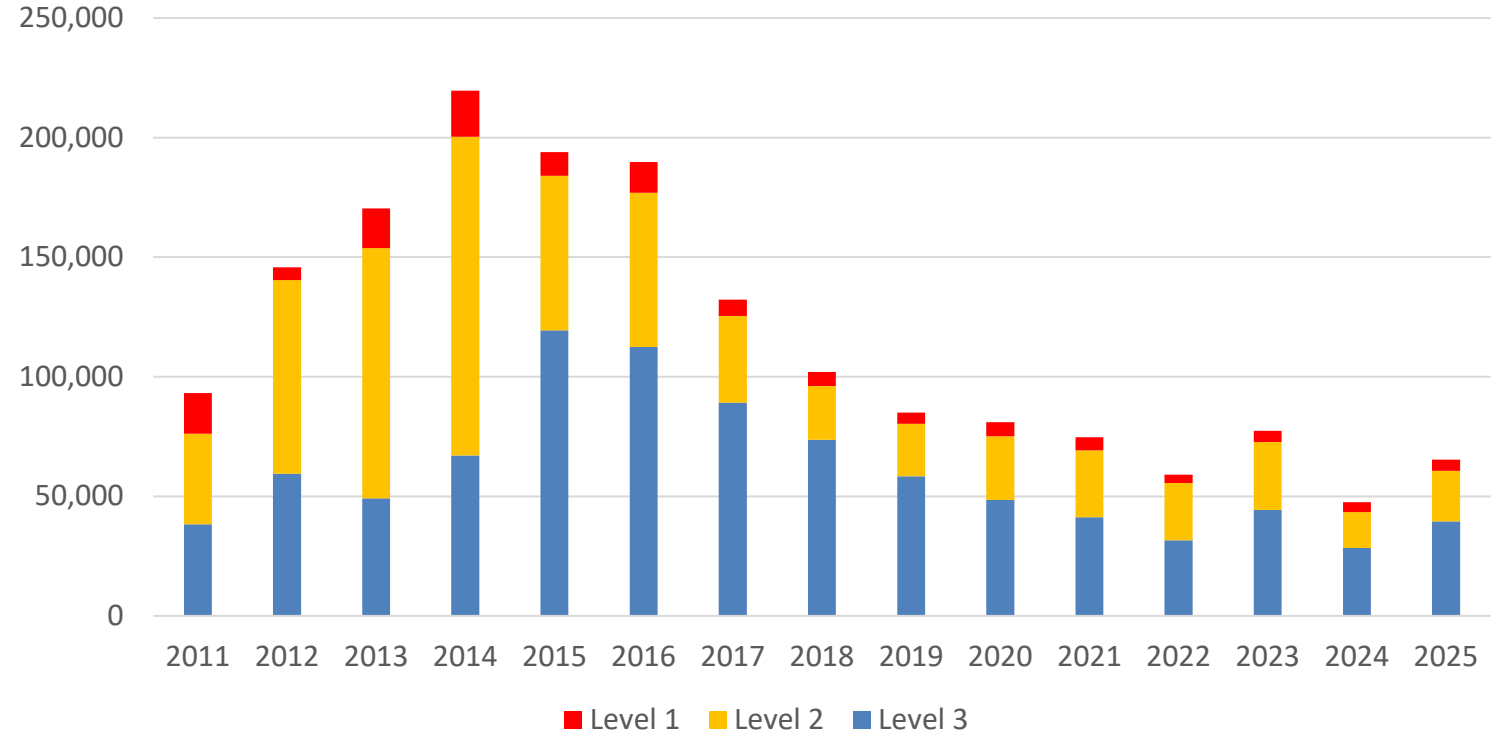
Electric Facility Inspections – Historical Deficiencies Found



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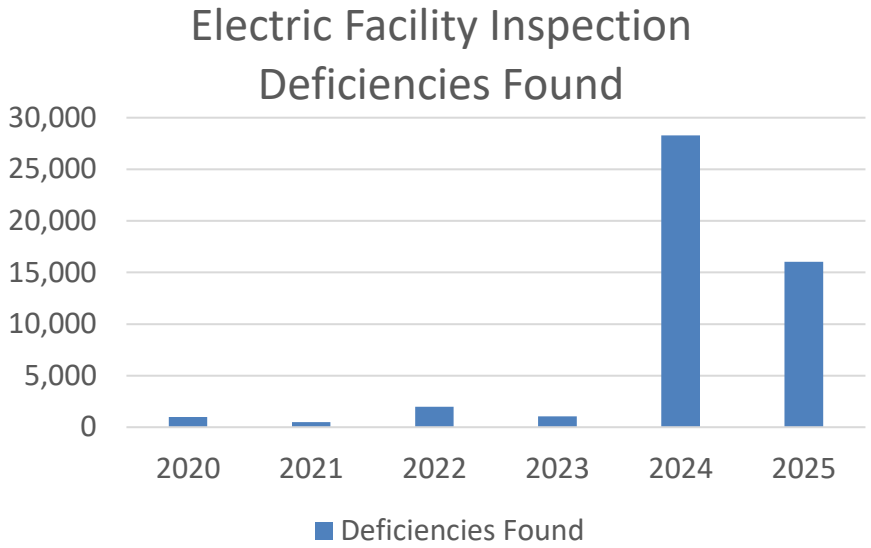
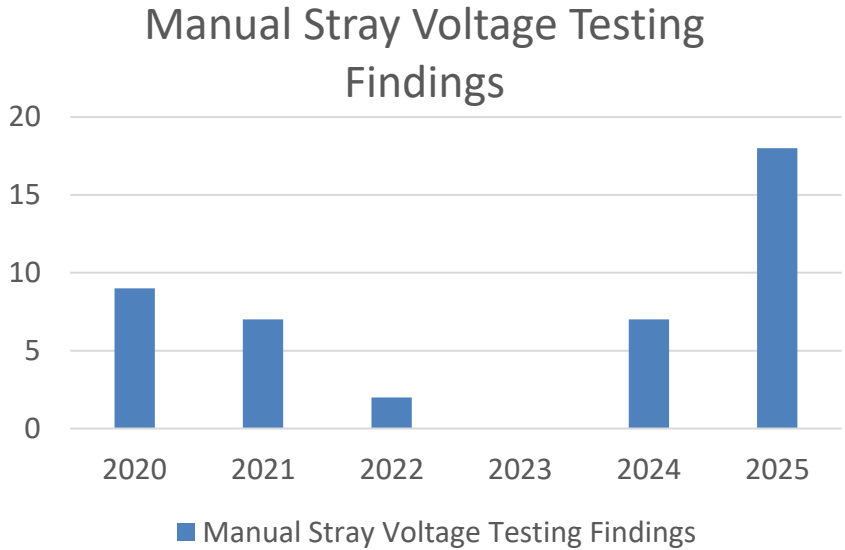
PSEG-LI Stray Voltage Testing and Inspection Program





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Questions?