LDA Evaluation – Cleveland Area

PJM Planning Committee
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- Overview
- Operations
- At-risk generation
- Simulation

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LDA Analysis – Scenarios & Sensitivities Considered

- Existing ATSI LDA
- Cleveland Reactive Operational Interface
- South Canton LDA
- Greater Cleveland LDA

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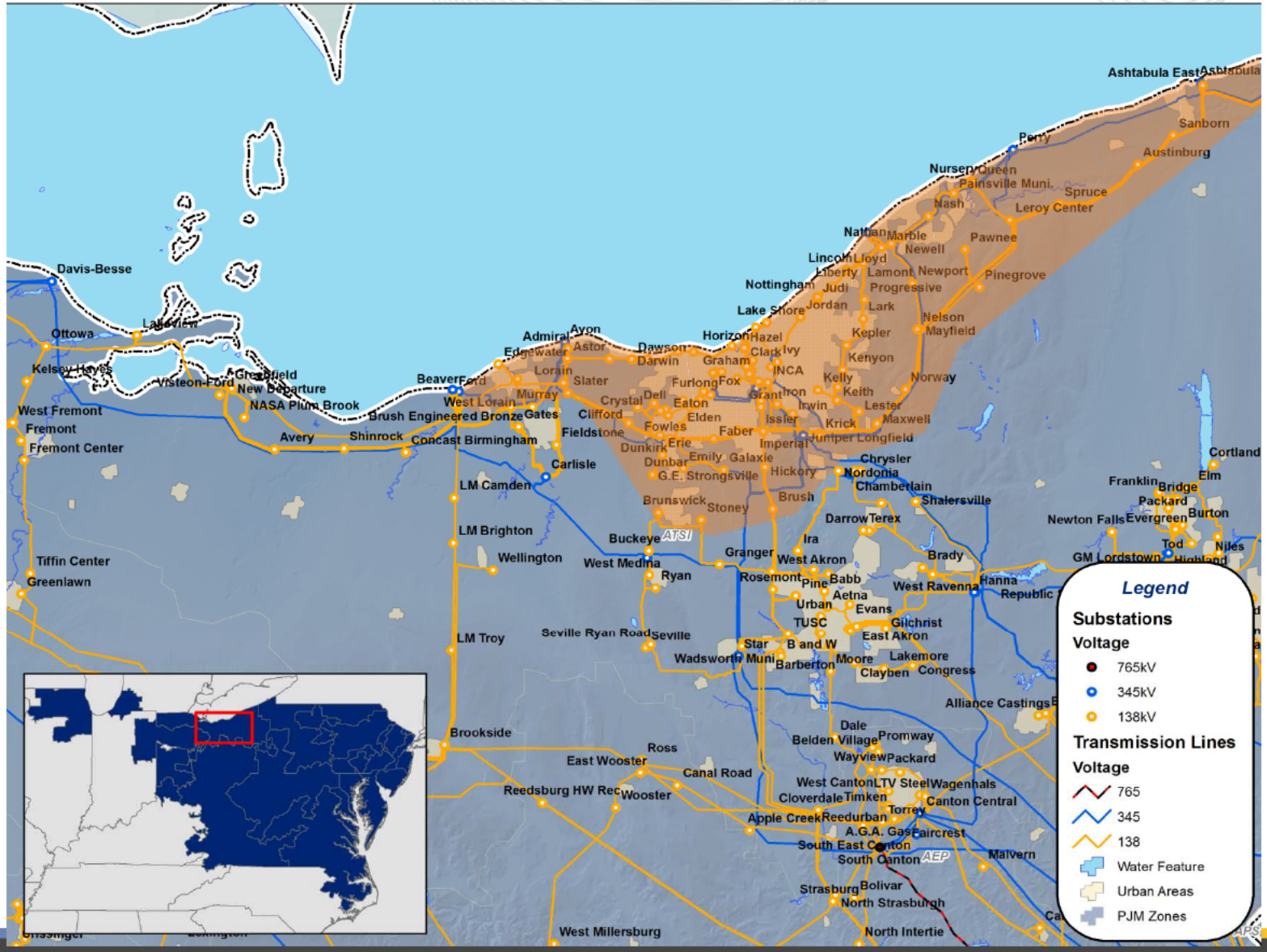
Approximate Cleveland Reactive Operational Interface



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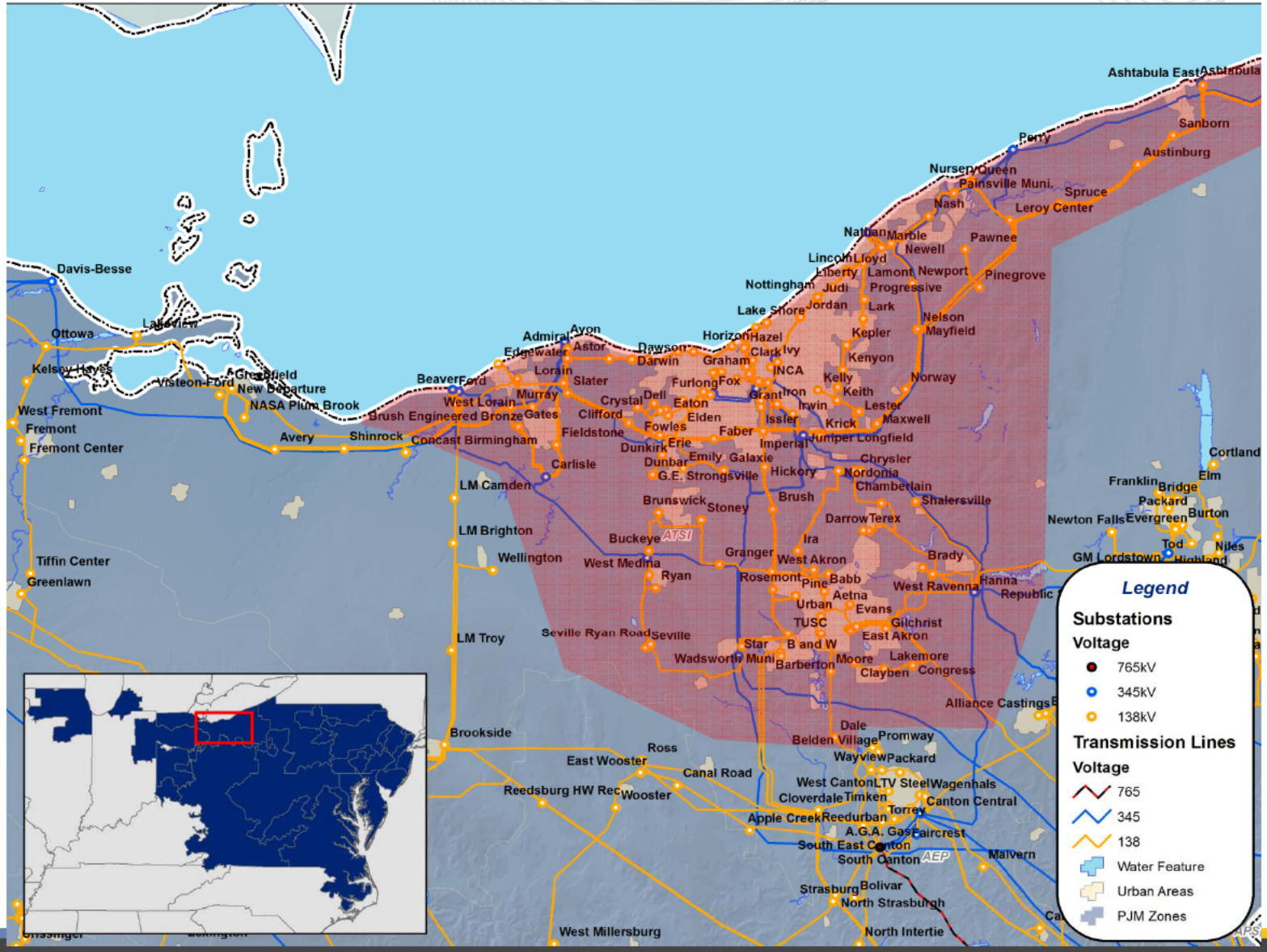
Greater Cleveland LDA



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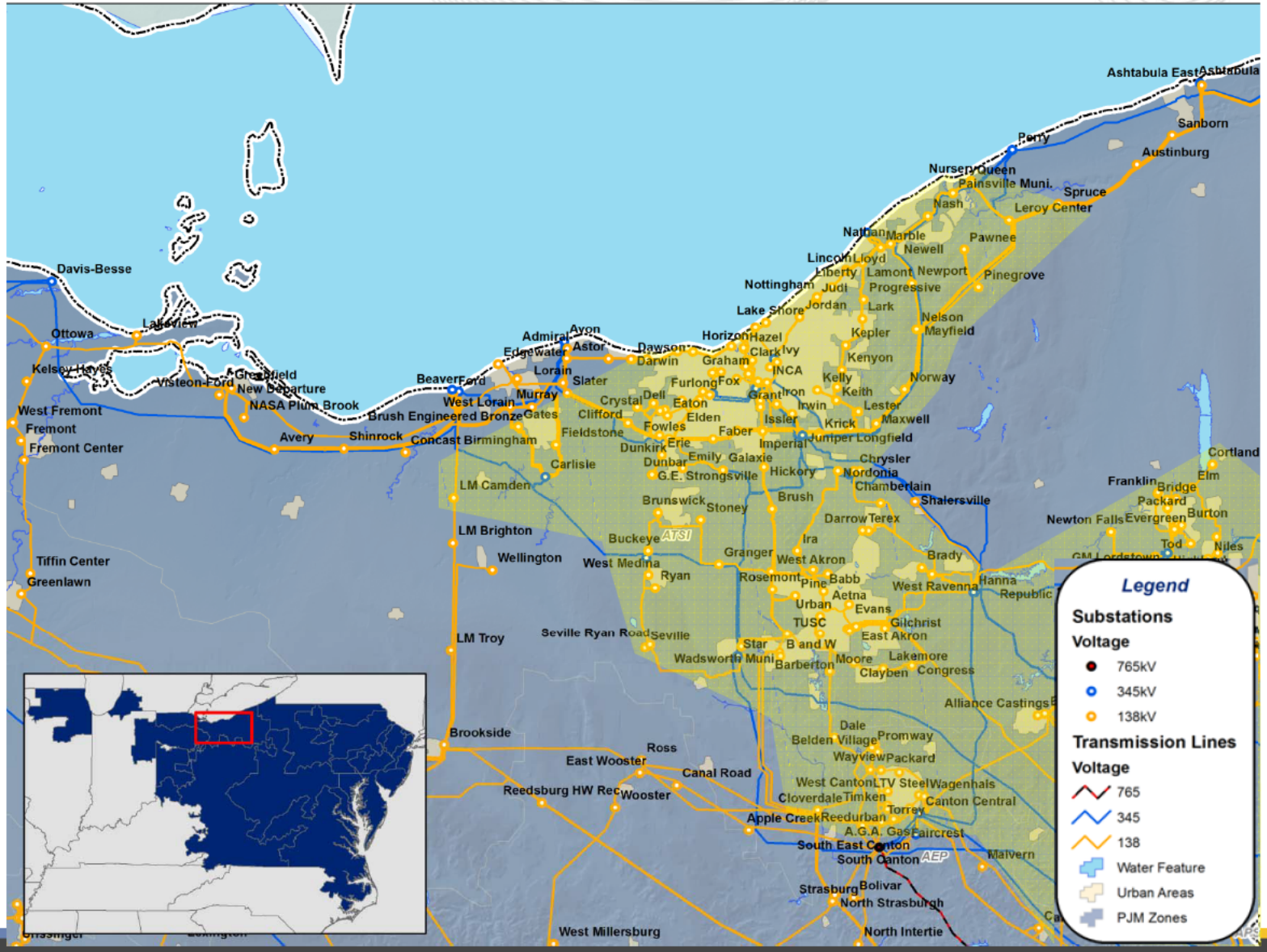
South Canton DFAX LDA



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- 2016 Study Year CETO Values

Existing ATSI LDA	South Canton LDA	Greater Cleveland LDA
4360	7010	5080

- CETL>CETO for all three LDA's
- Thermal Limit before Voltage Limit

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- Default Voltage Outage Pattern
  - Result:
    - not a stressful voltage dispatch
    - Thermal CETL > 115% of CETO other than a terminal equipment limited facility

- Alternative Load Deliverability - Voltage Outage Pattern
  - Result:
    - Voltage Collapse for l/o an at-risk unit
    - Low voltage magnitude

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- Importance of Voltage Dispatch pattern
- Stakeholder Input
- Next Steps

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