

# Potential Cleveland LDA

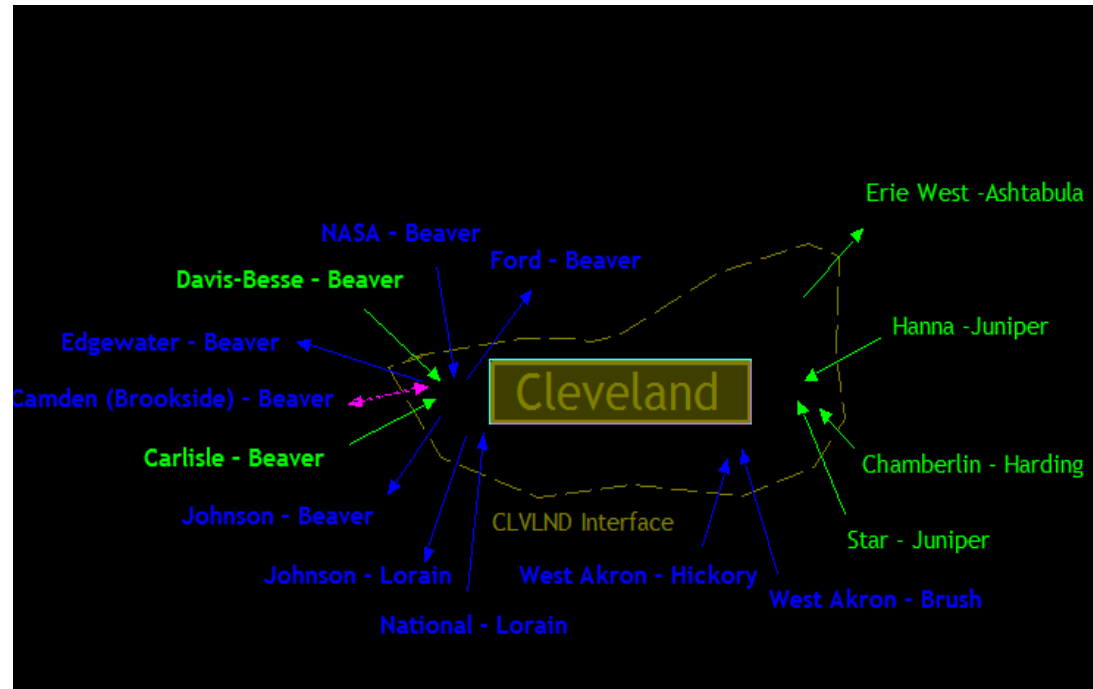
Paul McGlynn  
Planning Committee  
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- At the July PC meeting we discussed three requests related to possible new LDAs
  - Global vs. Zonal LDA
  - APS pocket in MAAC
  - Cleveland Interface
- It was suggested that we develop a “charge” to develop a scope of analysis to evaluate the three potential LDAs
- PJM staff continues to work with stakeholders that proposed the “Global vs Zonal” and “APS pocket in MAAC”
- Today’s discussion will focus on the Cleveland Interface

- Cleveland area is a large load area bounded to the north by the Lake Erie
- The transmission system serving the Cleveland is often limited by voltage and voltage stability
- Prior to ATSI integration, various interfaces were developed to plan and operate the system
- PJM Operations has established an interface to monitor and control thermal and reactive limits
- The proposed LDA would mirror what is currently being done in Operations

- Made up of the following lines

- Chamberlin – Harding 345 kV
- Hanna – Juniper 345 kV
- Star – Juniper 345 kV
- Davis Besse – Beaver 345 kV
- Carlisle – Beaver Valley 345 kV
- Erie West – Ashtabula 345 kV
- Ford – Beaver 138 kV
- NASA – Beaver 138 kV
- Camden – Beaver 138 kV
- West Akron – Hickory 138 kV
- West Akron – Brush 138 kV
- Johnson – Beaver 138 kV
- Edgewater – Beaver 138 kV
- Johnson – Loraine 138 kV
- National – Loraine 138 kV



- Develop an analytic scope of work to evaluate each proposed LDA
  - Cleveland Area LDA
- Develop scope of work to compare proposed LDA with new LDA to evaluate the extent to which the new LDA would identify transmission adequacy issues that would not otherwise be identified in a timely manner.
- The charge will be assigned to the PC

- Assume definition is consistent with the interface that is used in Operations
  - All load and generation connected at 345 kV and below as noted on slide 3
- Identify load in the interface
  - What percentage of ATSI zonal load is included in the areas under test
- Identify the generation and other resources in the interface
- Determine CETO for the proposed area
- Determine CETL for the proposed area
- Compare results to the load deliverability analysis for the ATSI LDA that was recently completed as part of the 2001 RTEP