

Operations Assessment Task Force 2021 Summer Study

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Operating Committee
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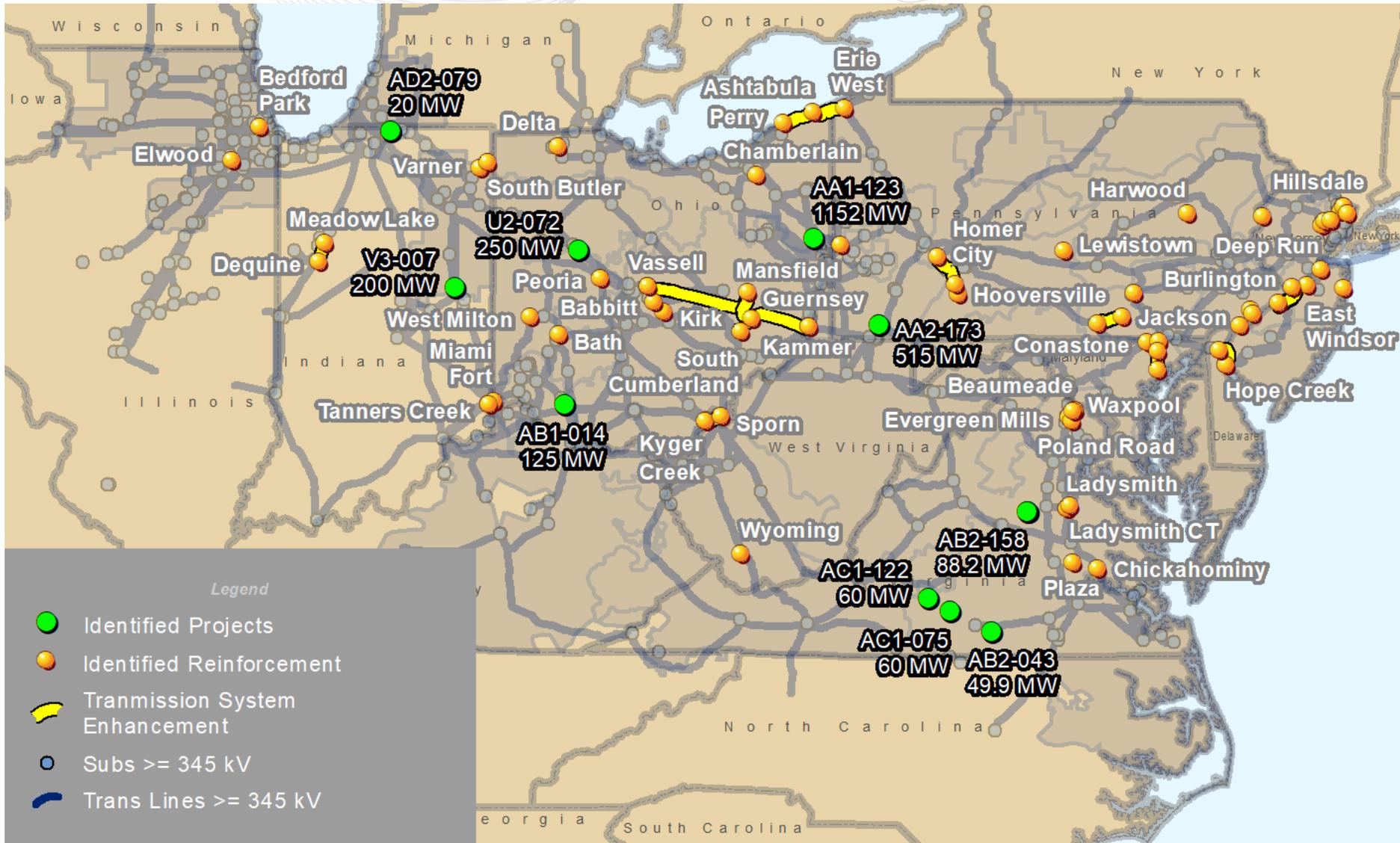
- Case Parameters
- Significant Facility Changes
- 50/50 Non-diversified peak load study results
- Sensitivity Study Results

50/50 Non-diversified Peak Load Base Case	
LAS Load Forecast	155,113 MW
Preliminary RTO Net Interchange	5,575 MW** (Exporting)
PJM RTO Installed Capacity	185,515 MW (preliminary)
Discrete Generator Outages	12,706 MW

** 5,575 MW of net interchange is modeled in the OATF base case and accounts for historical and forecasted Pseudo Tie data.

PEAK LOAD ANALYSIS

- No reliability issues identified.



Legend

- Identified Projects
- Identified Reinforcement
- Transmission System Enhancement
- Subs >= 345 kV
- Trans Lines >= 345 kV

- No reliability issues identified for base case and N-1 analysis.
- Re-dispatch and switching required to control local thermal or voltage violations in some areas.
- All networked transmission voltage violations were controlled by capacitors. All other voltage violations were caused by radial load.

Sensitivity Studies	Impact
External contingencies that could impact PJM reliability	No reliability concerns
N-1-1 Relay trip conditions	No cascading outage concerns identified <ul style="list-style-type: none"> All networked transmission overloads were controlled pre-contingency
Max-Cred Contingency Analysis	No reliability concerns
Transfer Interface Analysis	No reliability concerns
BGE/PEPCO Import Capability	No reliability concerns
90/10 Load Forecast study (158,305 MW)	No uncontrollable or unexpected issues observed at the elevated load levels.

Reactive Interface Transfer Analysis

Interface	Summer 2021 Limit (MW)	Typical Back-off (MW)
Eastern	7736	300
Central	4054	200
Western	6218	200
Bed-Blackoak	1746	50
AP South	3860	100
AEP-DOM	5309	100
Cleveland	2955	200
CE-EAST	3770	200
5004/5005	3815	50

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OATF 2021 Summer Study



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