



Market Efficiency Update

Annual Acceleration Analysis

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Special Session

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2020 Acceleration Analysis

- Scope
 - Determine which previously approved Reliability upgrades, if any, have an economic benefit if accelerated or modified
- Study Years
 - 2021 and 2025 set of economic input assumptions used to study impacts of approved RTEP projects
- Process
 - Compare market congestion for near term vs. future topology
 - Estimate economic impact of accelerating planned reliability upgrades

- PROMOD simulations
 - 2021 and 2025 study years with 2021 Topology (AS-IS Topology)
 - 2021 and 2025 study years with 2025 Topology (RTEP Topology)
- Acceleration analysis has been completed
 - Project B3157 a \$.23 million upgrade of substation equipment at APS Messick Rd and Morgan 138 kV shows significant congestion benefits if accelerated before year 2024.
 - First Energy currently evaluating the feasibility of accelerating this project.

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