

Market Efficiency Update

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Market Simulation

Transmission Expansion Advisory Committee

June 08, 2021

2020/21 Long Term Window

- 2020/21 Long-Term Window started January 11, 2021 and closed on May 11, 2021
- Completed Mid-Cycle Update of Major Assumptions
- Updated Market Efficiency Economic Models (version date 04-29-2021) posted on the [Market Efficiency Secure Page](#)
 - Updated modeling data includes market efficiency base case files for all study years, PROMOD input files and sensitivities (see next slide for details)

Summary of Proposals Received

- 24 proposals received from 7 submitting entities
 - 10 Greenfields
 - 14 Upgrades
- In-Service Capital Cost ranges from \$0.6 million to \$128.8 million
 - 4 proposals > \$ 50 million
 - 3 proposals < \$ 5 million
- Count by main congestion driver*
 - ME-3 Junction to French's Mill 138 kV (APS): 3 proposals
 - ME-5 Charlottesville to Proffit Rd Del Pt 230 kV (DOM): 14 proposals
 - ME-6 Plymouth Meeting to Whitpain 230 kV (PECO): 4 proposals
 - ME-7 Cumberland to Juniata 230 kV (PPL): 3 proposals

**A number of proposals address multiple congestion drivers*

Tentative Timeline

• Data Validation (30-Days Review Period)	May - Jun 2021
• Preliminary Reliability (N-1) Analysis	Jun 2021
• ME Analysis of proposed solutions	Jun - Aug 2021
• Independent review of cost and ability to build	Jul - Sep 2021
• Final Reliability Analysis	Aug 2021
• Review of Analysis with TEAC	Sep - Nov 2021
• Determination of Final Projects	Dec 2021

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- V1 – 05/28/2021 – Original slides posted
- V2 – 06/09/2021 – On slide 4 added “from 7 submitting entities” to the top item from the bulleted list