Upgrade RTEP Proposal Template

Proposal Template

Executive Summary

- Who you are
- Which Proposal Window you are addressing
- Which violation you are proposing to address
- Description of the proposed solution and corresponding violation(s) it resolves.
- Describe to PJM if the project should be considered only as a whole or if portions of the project should be considered as well.
- High Level overview of cost and cost containment

Constructability Information

- Scope of project
- Detailed breakdown of all elements of proposal elements
    - General description
    - Electrical characteristics
    - Physical characteristics
    - Maps and supporting diagrams

Analytical Assessment

- Detailed analysis report on proposed solutions, including:
    - Breaker one-line diagrams to illustrate system topology
    - Spreadsheets (e.g. Output of analysis showing solution to identified issue)
- Equipment parameters and assumptions
    - All parameters (Ratings, impedances, mileage, etc.)
    - For reactive devices, settings and outputs
    - For synchronous machines, MW and MVAR output assumptions

- Any other supporting documentation required by PJM that is required to perform verification review, that isn't explicitly stated in this document

- Proposal Template spreadsheet (in excel format) including which flowgates your project is addressing, general scope, detailed solution components, total cost

- In addition to all other requirements, Market Efficiency Proposals **also require**:
    - Impact to events as a result of project with description of changes
    - All necessary PSS/E idev files or appropriate data to model upgrade
    - Expected increase/decrease for all impacted Reactive Interface ratings from proposed projects

- Additionally, PJM **requests** but does not require the following analysis for Market Efficiency Proposals:
    - Detailed Benefit/Cost evaluation showing savings from project in production costs, gross load payments, net load payments, and congestion costs for all study years
    - Calculated Benefit/Cost ratio
    - PV Analysis for projects that impact Reactive interfaces
    - PROMOD change cases to implement project
    - CETL analysis for all RPM proposed projects
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Cost

- All Costs should be in future (in-service date) year dollars.
    - Also you must provide a detailed explanation of assumptions/escalation factors used to arrive at this total
- Detailed breakdown of cost of each element (Transmission and Substation)
    - Cost of materials and equipment
    - Cost of engineering and design
    - Cost of Construction and commissioning
    - Cost of Permitting/routing/siting
    - Cost of ROW/Land Acquisition
    - Cost of Construction management
    - Company overheads or other miscellaneous costs
    - Cost of Contingency
    - Assumptions of costs to be performed by incumbent TO
- Clearly defined cost commitment
    - No “conditional upon other proposal” cost commitment
    - If proposing a cost commitment, you must provide an itemized list of costs that are subject to the cost cap. You can only provide caps of aspects of the proposal for which you would be the designated entity.
    - Changing the scope of the cost commitment or the exceptions to the cost commitment is considered a change to the proposal and will not be allowed.

Schedule

- Proposed in service date with milestones