Transmission Business Model

Pro Forma/Industry Standard Gap Analysis:

Study Process

Study Process	NT Scope	ATC
• Reflecting Customer Choice in System Impact Study • Study Process for Long-Term Alternatives for SOA • Study Follow Through • Intertie Studies	• Managing BPA/Customer NT Relationships • One point of contact for load and resource forecasts • Managing Load Growth	• Short-Term ATC • Model and Metrics • Long-Term ATC

August 29, 2017

PFGA Milestone Contribution – Study

Develop more tools than "build"

Develop a repeatable consistent study "Follow Through" process

Calibrated Model Assumptions

Implement NT Policy/Procedures

Milestones to Close the Gaps

Replace Conditional Firm NT

Stop calculating and posting LT ATC

Transition away from hourly firm

Implement CF PTP Reflecting Customer Choice

2

BPA Direction: Study Process

First

Develop more tools than build

Implement CF PTP reflecting customer choice

Load and Resource forecasts for NT cust.

Planning Redispatch as part of system impact study

Customer Choice (CF) → TSR Alternatives → CF in Study → Planning RD in Study

Last

A repeatable and consistent study "Follow Through" process

Conform Conditional Firm PTP to *Pro Forma*

Conditional Firm as part of system impact study

Conform Planning Redispatch to *Pro Forma*

Resolving These Study Process Gaps

• Implementation of solutions identified in studies
• Customers unable to elect to be studied for Planning Redispatch
• Customers unable to elect to be studied for Conditional Firm

3

Conform Conditional Firm PTP to *Pro Forma*

8/29/17	FY 2022

Steps

- Establish Process for customers to indicate preference for Conditional Firm assessment
- Offer Conditional Firm only to customers indicating preference for such an offer
- Develop study process to assess Conditional Firm offer potential response to a TSR
- Re-evaluate need for Conditional Firm "number of hours" inventory methodology

Customer Choice →

Objective

Implement Conditional Firm reflecting customer choice

Conditional Firm as part of system impact study

Implementation Considerations
- Need for update of Business Practice
- Conditional Firm Inventory calculation

4

Planning Redispatch as Part of System Impact Study

8/29/17	FY 2022

Steps

- Study process to assess requirements for generation flexibility to free up capacity for TSR
- Notify customers of redispatch necessary to enable TSR
- Protocols to implement redispatch, per bilateral agreements
- Offer service containing redispatch provisions

Customer Choice →

Objective

Conform Planning Redispatch to *Pro Forma*

Implementation Considerations
- How involved BPA will be in securing redispatch rights
- Tool updates

5

Continue to Develop More Tools than Build

8/29/17	FY 2022

Steps

- Test feasibility of alternatives
- Perform technical, full System Impact Studies on alternatives to prevent negative impact on system
- Initial scoping of alternatives, including costs, project requirements, working with experts or vendors as needed
- Selection criteria to evaluate alternatives, including cost and ATC benefits
- Move project to next cluster study

Options for service →

Alternatives to meeting TSRs →

Objective

Process the queue consistently and efficiently

Implementation Considerations
- Maturity, scalability and applicability
- Staff and skillsets
- Risk Tolerance

6

Repeatable and Consistent Study Follow Through

8/29/17	FY 2022

Steps

- Move TSRs and Associated Plans of Service forward following study completion
- Internal processes to facilitate quick decision making on issues resulting from study
- Establish ability to develop, communicate and offer Plans of Service, Policy to offer Plans of Service at incremental rates when appropriate
- Incorporate prior aspects of study, including Conditional Firm and/or Planning Redispatch, possible non-wires solutions to increase service options

Requests in 'final' state

Objective

Process the Queue

Implementation Considerations
- Avoiding cost shifts
- Exploring 'off the shelf' upgrades
- BPA Resource allocations
- BPA Internal prioritizations

7

Intertie System Impact Study

8/29/17	FY 2022

Steps

- Intertie System Impact Study Methodology
- Send Customers Intertie Agreements
- Conduct Intertie Studies
- Rollout Intertie Study Results

Requests in 'final' state

Objective

Repeatable and Consistent Study Follow Through

Implementation Considerations
- Working with Adjacents
- Efficient queue processing

8

What impacts to you should we consider?

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Is the timeline reasonable?

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Are there other approaches you think BPA should consider?

11

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