

Northern Tier Regional Planning Process and Relationship Diagram

Process

Arrow

Number Functions and Protocol Elements

- A Transmission Provider Members of NTTG
 - OATT Processes
 - Transmission Planning Process and Study Cycle
- B NTTG Sub-Regional Transmission Group Processes
 - Planning & Policy Committee
 - Biennial Subregional Planning Process
 - Technical Committee
 - Assembles Study Teams for project studies and Biennial Plan
 - Study Team staffing comes from Transmission Providers and interested parties
 - Transmission Use Committee (related to Planning)
 - ATC and use analysis
 - Requests Planning Committee to perform joint ATC and congestion studies, re-dispatch, explore conditional firm product
 - Determines clustered and joint use interest
 - Steering Committee
 - Management
 - ADR
- C Other Sub-Regional Planning and Transmission Groups
- D WECC Regional Transmission Coordination
 - Biennial Planning Process
 - Data Compilation and Verification Process
 - Powerflow & Stability
 - Loads and Resources
 - Production Cost and Unit Commercial
 - Standards
 - Operations Coordination
 - Market Interface Committee
 - NERC NAESB Coordination and Liasion
- 1 OATT Service Request Process - Requests from Customers
 - Request for Study
 - Request for Service
 - L&R Forecasts

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- 2 OATT Request Response from TP
 - Impact Studies
 - Queue Position
 - PTP & NT Service
- 3 IRP Process
 - Synched Network & Native Customer Load forecast
 - Resource Plans
- 4 Customer L&R Forecasts
- 5 Path ATC and Use History
- 6 Staffing for Sub-Regional level Planning Studies
 - TP Annual Exp Plan
 - Copy of data sent to WECC
- 7 NTTG & WECC Coordinated 2 Yr Plan
 - Data Review
 - Data coordination standards
 - Other Rules & Standards
- 8 Data to WECC
 - Confidential Powerflow and Stability Data
 - Confidential Production Cost Data
 - System Configuration and Constrained area bubble diagrams
- 9 ATC and Expansion Study Requests
 - Congestion Study requests
 - Joint congestion, re-dispatch, conditional firm study requests to Planning Committee

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- 10 Congested Area bubble diagram and system organization
ATC paths
Coordinated 10 Sub-Regional Plan
Subregional Guidelines and Standards
Coordinated L&R
- 11 West Wide 2 Year Plan
Standards
Congested Path Ratings
Annual Congestion Studies
- 12 Informing Congestion Studies
Informing Biennal 10 Year Plan
- 13 Direct Customer Coordination and input into Planning Processes
Direct Customer Planning Study Requests
Cluster Study Requests
- 14 Overlapping expansion project study teams
Data coordination
Standards coordination
Seams coordination
ATC and other
- 15 Informing Studies and Expansion Plans
ATC Map and Use Products
L&R Summary
- 16 WAG WIEB CREPC Coordination