TP CFR
Annual Customer Workshop

September 1, 2022

Welcome TP CFR Customers

LOWER VALLEY ENERGY

Lewis PUD County

KLICKITAT PUD
Honesty | Accountability | Customer Focused

PEND OREILLE PUBLIC UTILITY DISTRICT

UEC UMATILLA ELECTRIC COOPERATIVE
A Touchstone Energy® Cooperative

NORTHERN WASCO COUNTY PUD
PEOPLE'S UTILITY DISTRICT

PUBLIC UTILITY DISTRICT No. 1 of Whatcom County

Agenda

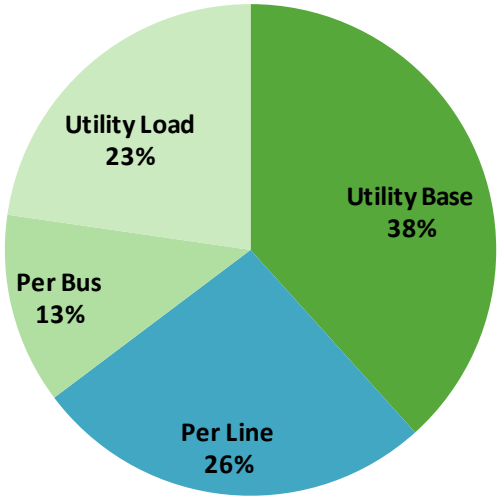
- Welcome/Introductions
- 2023 TP CFR Cost Allocation
- TPL-001-5 Update/Data Request
- Key Dates
- Standards Update
- Customer Compliance Packet
- TPIP Changes
- External Site Update

2023 TP CFR Cost Allocation

Overall operating budget:

- 1.8% increase

Total Project Cost Distribution



Note:
These percentages change based on number of customers, elements and MW sizes.

2023 TP CFR Services Cost Allocation Spreadsheet

TPL-001-5 Annual Data Request

Kendall Rydell, BPA Transmission Planning

Standard	Requirement	Request Title	Request Date	Response Due By	Frequency of Request
TPL-001-5	R1.1.4	Firm Commitments	April	May	Annual
TPL-001-5	R2.1.3	System Sensitivities (Steady State Studies)	April	May	Annual
TPL-001-5	R2.1.4 & R2.4.4	Selected known outages in the Near-Term Planning Horizon	April	May	Annual
TPL-001-5	R2.1.5 & R2.4.5	Spare Equipment Strategy Table	April	May	Annual
TPL-001-5	R2.3	Short Circuit Analysis	April	May	Annual
TPL-001-5	R2.4.3	Suggested Sensitivity Cases (Stability Studies)	April	May	Annual
TPL-001-5	R4.1.1	Remedial Action Schemes	April	May	Annual
TPL-001-5	R4.3	Operation of Automatic Controls	April	May	Annual
Table 1 – P5	NA	Non-redundant Protection System Components	April	May	Annual

TPL-001-5 Data Requests (TPIP, p. 22)

Annually, during the month of April, BPA will send a TPL-001 Data Request to TP CFR Customers. The TP CFR Customer will have 30 days from the time the request was sent to respond to the data request. The intent of the data request is to collect the information required to complete the annual Planning Assessment, taking into account specific TP CFR Customer requests and requirements. BPA will use default assumptions and existing data to complete the annual Planning Assessment in the event of a non response to the TPL-001 Data Request.

TPL-001-5 R2.6 Material Changes

TPL-001-5:

2.6. Past studies may be used to support the Planning Assessment if they meet the following requirements:

2.6.1. For steady state, short circuit, or Stability analysis: the study shall be five calendar years old or less, unless a technical rationale can be provided to demonstrate that the results of an older study are still valid.

2.6.2. For steady state, short circuit, or Stability analysis: no material changes have occurred to the System represented in the study. Documentation to support the technical rationale for determining material changes shall be included.

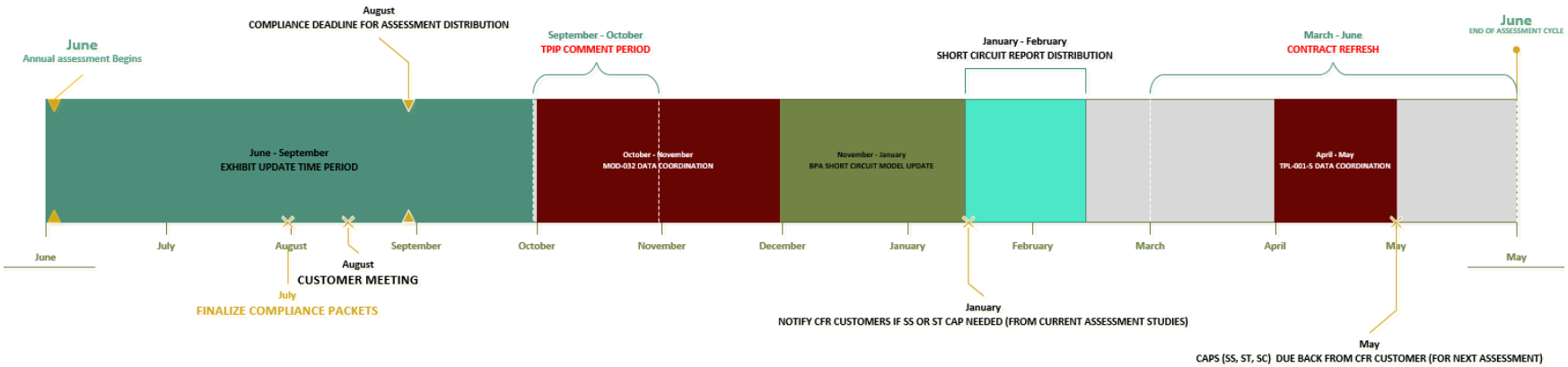
(R2.6) Past Studies (TPIP, p. 26)

BPA utilizes past studies where appropriate to complete the annual Planning Assessment. This is consistent with R2.6 of TPL-001-5 and BPA will ask TP CFR Customers annually whether there have been changes to their transmission systems.

Assessment Timeline

Key Terms:
SS – Steady State
ST – Stability
SC – Short Circuit
CAP – Corrective Action Plan

TP CFR Annual Assessment Timeline



(R2.7) Corrective Action Plan(s), (TPIP, p. 24)
A Corrective Action Plan (CAP) is a list of actions, and an associated timetable for implementation to remedy a specific problem identified in a Planning Assessment.

Standard Updates

STANDARDS SUBJECT TO FUTURE ENFORCEMENT

Please refer to the U.S. Effective Dates page for the most up-to-date information on effective dates and for more detail on the below.

U.S. Effective Dates for Reliability Standards

U.S. Effective Date	Standard(s)
October 1, 2022	CIP-005-7 – Cyber Security — Electronic Security Perimeter(s) CIP-010-4 – Cyber Security — Configuration Change Management and Vulnerability Assessments CIP-013-2 – Cyber Security — Supply Chain Risk Management
	PRC-024-3 – Frequency and Voltage Protection Settings for Generating Resources
January 1, 2023	TPL-007-4 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R3, R4, 4.1. 4.1.1–4.1.2, 4.2, 4.3, 4.3.1, R8, 8.1, 8.1.1–8.1.2, 8.2, 8.3, 8.3.1)
April 1, 2023	EOP-011-2 – Emergency Preparedness and Operations
	IRO-010-4 – Reliability Coordinator Data Specification and Collection
	TOP-003-5 – Operational Reliability Data
July 1, 2023	TPL-001-5.1 – Transmission System Planning Performance Requirements | Implementation Plan
January 1, 2024	CIP-004-7 – Cyber Security – Personnel & Training CIP-011-3 – Cyber Security - Information Protection
	TPL-007-4 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R7, 7.1–7.3, 7.3.1–7.3.2, 7.4, 7.4.1–7.4.3, 7.5, 7.5.1., R11, 11.1–11.3, 11.3.1–11.3.2, 11.4, 11.4.1–11.4.3, 11.5, and 11.5.1)
April 1, 2024	FAC-003-5 – Transmission Vegetation Management FAC-011-4 – System Operating Limits Methodology for the Operations Horizon FAC-014-3 – Establish and Communicate System Operating Limits
	IRO-008-3 – Reliability Coordinator Operational Analyses and Real-time Assessments
	PRC-023-5 – Transmission Relay Loadability | Implementation Plan PRC-002-3 – Disturbance Monitoring and Reporting Requirements | Implementation Plan PRC-026-2 – Relay Performance During Stable Power Swings | Implementation Plan
	TOP-001-6 – Transmission Operations

TPL-007-4 (TPIP, p. 29)

BPA will assume the Transmission Planner role for this standard, except for the requirements pertaining to the Corrective Action Plans (CAP). It is the TP CFR Customer's responsibility to ensure that all qualified transformers are included in the applicable models through the Annual Data Exchange (ADE) process.

Customer Compliance Packet

BONNEVILLE POWER ADMINISTRATION

TP CFR

2022

CUSTOMER COMPLIANCE PACKET

2022 Compliance Packet Document List:

a. TP CFR 2022 System Planning Summary Appendix

b. TP CFR 2022 Bus Fault Summary

c. TP CFR 2022 TPL-001-4 Data Submittal

d. TP CFR Corrective Action Plan (if applicable)

e. TP CFR Implementation Plan (if applicable)

TRANSMISSION PLANNING

SYSTEM ASSESSMENT

CRITICAL INFORMATION-CONTROLLED DISTRIBUTION

NAME/ORG: Chuck Matthews/ TPP Contact Information: cematthews@bpa.gov

INFORMATION CONTAINED IN THIS DOCUMENT IS CONSIDERED CRITICAL INFORMATION (CI)

DO NOT DISTRIBUTE WITHOUT PERMISSION FROM THE INFORMATION OWNER.

2022 System Assessment Summary Report

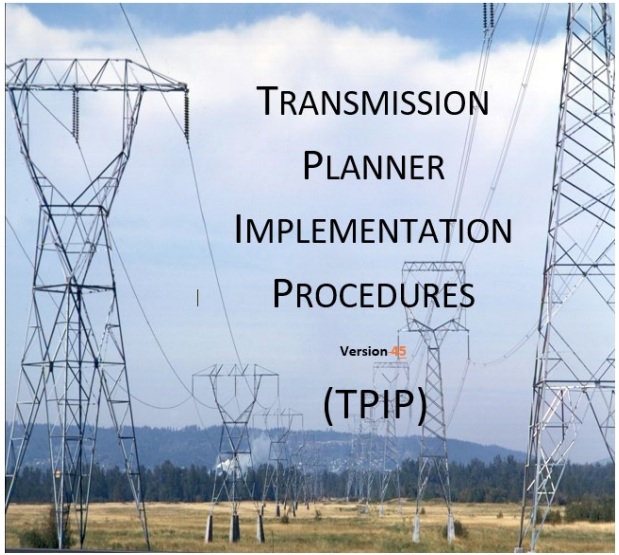
Customer Compliance Packet (TPIP, p. 25)

CSRP will consolidate the TP CFR Customer's Planning Assessment Appendix, Short Circuit Study, CAPs (when applicable) and TPL-001 Data Request response annually and distribute to the customer. The timing of the Compliance Packet will coincide with the completion and distribution of the annual Planning Assessment.

TPIP v. 5

Upcoming "draft" Changes/Schedule:

- Comment period October 2022
- Matrix update timing for Standard changes (Removed "Within 45 days of FERC notice…")
- Removal of MOD-020 (standard retired)
- TPL-001-4 to TPL-001-5 (many changes)
- Data request table (TPL-001-5 changes)
- Exhibit A update description (matches TOPIC 210 day notification requirement)



Periodic Review (TPIP, p. 10)

CSRP and BPA Subject Matter Experts (SMEs) are responsible to periodically review the TPIP document to ensure all processes and guidance documents are current and adequate. Changes are subject to a 30-day customer review period.

Updated External Site

Transmission Services - Bonneville Power Administration (bpa.gov)

Bonneville POWER ADMINISTRATION

Energy & services | Environmental initiatives | Learn & participate | About

Power Services | Transmission Services | Energy Efficiency | Rate & tariff proceedings | Customer & contractor services

Transmission Services

BPA Transmission Services provides deliver of energy across 15,000 miles of high voltage facilities to the Pacific Northwest and beyond.

Learn More →

Doing Business

- Becoming a Transmission Customer
- Acquiring Transmission
- Business Practices
- Notices
- Open Access Transmission Tariff
- Attachment K Planning
- Transmission Business Model
- Coordinated Transmission Agreement
- Customer Training
- Standards of Conduct
- Commercial Business Process Improvement

Products & Services

- Interconnection
- PTP Service
- NT Service
- Ancillary Services
- Telecommunications

Operations & Reliability

- Outage Coordination
- Operations Information
- Oversupply
- Reliability NERC Standards
- Wildfire Mitigation

Reports & Tools

- Transmission Availability
- Performance Metrics
- Hourly Firm Data Monitoring Evaluation
- Total Transmission System Load

Updated External Site

Reliability Program Contacts

Customer Service Reliability Program
Lorissa Cardoza
CSRP@bpa.gov
360-418-8777

Reliability Officer
Jeff Cook
jwcook@bpa.gov
360-418-8981

Please submit your WECC/NERC reliability or compliance questions and or events & dates to the Customer Service Reliability Program at: CSRP@bpa.gov

Projects

- Transmission Planner +
- Transmission Operator +
- Planning Coordinator +
- Annual System Review (ASR) +
- Other Utility Worker (OUW) Unescorted Access Process +

Updated External Site

Projects

Transmission Planner

Transmission Planner

BPA has analyzed the Transmission Planner (TP) function and how we interact with connected systems and entities. BPA has determined the most efficient and effective approach to meet compliance requirements is a combination of Coordinated Functional Registration (CFR) agreements where warranted, and BPA acting as the TP for applicable entities on a case by case basis. This page is for interested parties who wish to learn more about BPA's approach to the TP function. Please use contact link below for further information or if you have specific questions.

Transmission Planner Implementation Procedures (TPIP)

Transmission Planner Implementation Procedures (TPIP) - Redlined Version

Reliability Program Contact

Customer Service Reliability Program Phone: 360.418.8777 Email: csrp@bpa.gov

TP Generator Owners

In 2018, WECC undertook efforts to close a "registration gap" where Generator Owners (GO) were required to map to a registered Transmission Planner (TP). BPA has more than 60 foreign owned Generation Facilities attached to our transmission system and agreed to allow these GOs to map to BPA as the TP. This project page houses Facility level information for GOs that BPA has agreed to provide TP services for. GO entities are expected to abide by applicable processes in BPA's Transmission Planning and Implementation Procedures (TPIP) located at the "Customer Documents" link.

Documents

Implementation Plan

GO Customer Meetings

12/18/2018 - WebEx meeting

WebEx presentation

TP Coordinated Functional Registration (CFR)

BPA has entered into a NERC CFR contract with several Transmission Owners (TO) within our Planning Coordinator (PC) footprint. The TP CFR allows BPA and the TO to share compliance responsibility for all of the TP NERC standards. The TOs benefit from the TP CFR by having BPA perform the studies and system assessment, plus other activities as required by standards. BPA benefits by being able to plan out Transmission system in a more holistic way through cooperation with fellow TOs. The TP CFR is a pay for service contract arrangement administered by BPA's Customer Service Reliability Program (CSRP).

CFR Customer Meetings

9/1/2022 - 1:00-3:00 PDT

Annual TP CFR Customer Workshop

- Agenda

Documents

- TP Roadmap Analysis
  This document contains a sample of delineation of TP requirements between BPA and Customers
- CFR Contract Template
  Sample CFR contract template
- TP CFR Cost Spreadsheet
  2022 Cost breakdown of TP CFR services
- Sample Customer Implementation Plan

TP CFR Timeline

Timeline

Exhibit Update Forms

- Notices Change Form
- System/Equipment Change Form

Transmission Operator +

Planning Coordinator +

Annual System Review (ASR) +

Other Utility Worker (OUW) Unescorted Access Process +

Questions?

Contact Us

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Team Mailbox - CSRP@bpa.gov