

# Transmission Planner/ Coordinated Functional Registration Customer Meeting



August 27, 2020



# Welcome TP CFR Customers



NORTHERN  
WASCO  
COUNTY



# Agenda

- Intro of new CFR customer LVE
- Billing determinants – Cost
- Customer Compliance Packet
- TPL-001-4
  - Data Request Feedback
  - R2.6 Material Changes
  - Short Circuit
- TPL-007-4
- Functional Mapping cleanup
- Finalization of Implementation Plan with WECC



# Welcome Lower Valley Energy



# COST UPDATE





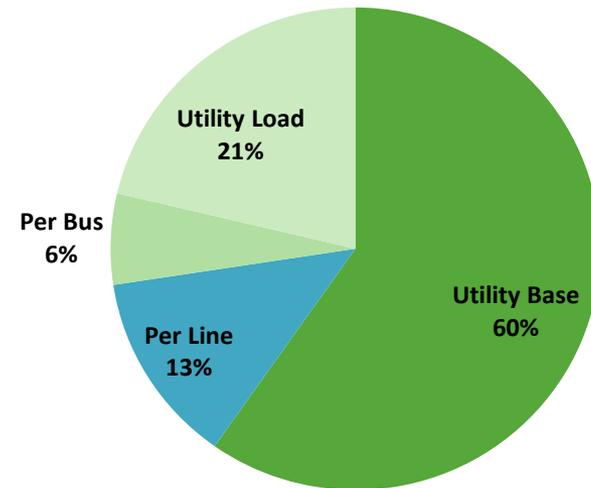
# COST UPDATE



## Contents:

- TP CFR Project has reached sustainment mode
- Reduction in overall Operating Budget
  - \$30,000 ~ 10% due to BPA reduction of overheads
  - \$42,000 ~ 2020 cost adjustment for adding Lower Valley as a participant

## Total Project Cost Distribution



Note:

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

# Customer Compliance Packet

**Purpose:** Provides a “one stop shop” for TP CFR customer compliance information. This will be an annual activity for the CSR team to summarize the previous year’s compliance information for the TP CFR project and coordinate distribution to our participant customers.

## Contents:

- A. TP CFR System Planning Summary Appendix
- B. TP CFR Customer Bus Fault Summary
- C. TP CFR Customer TPL-001-4 Data Submittal
- D. TP CFR Customer Implementation Plan
- E. Corrective Action Plans (if applicable)

BONNEVILLE POWER ADMINISTRATION



Public Utility District of CFR Customers

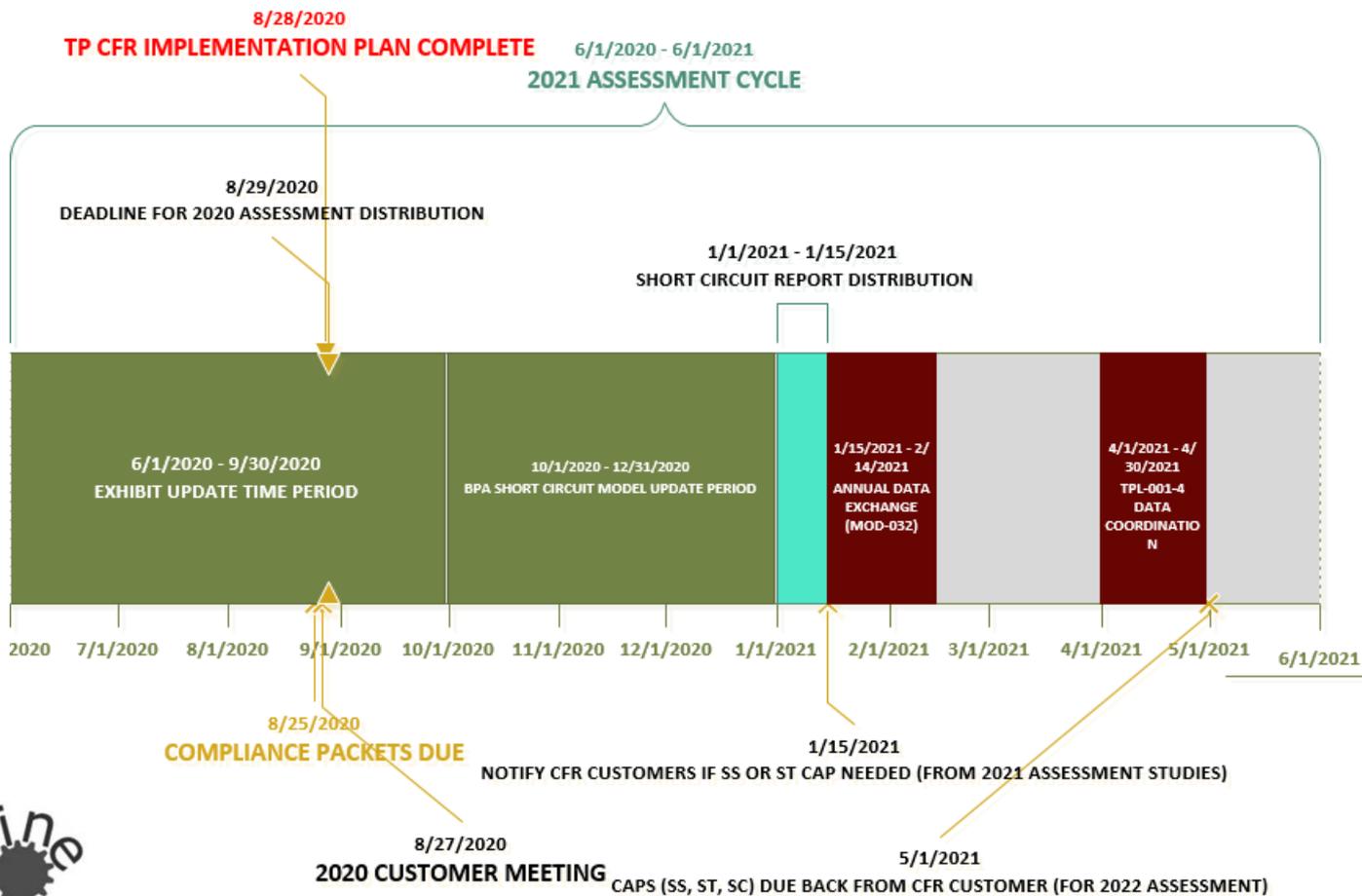
2020  
CUSTOMER COMPLIANCE PACKET

### Contents:

- A. ENTITY 2020 System Planning Summary Appendix
- B. ENTITY 2020 Bus Fault Summary
- C. ENTITY 2020 TPL-001-4 Data Submittal
- D. ENTITY Final TP CFR Implementation Plan
- E. ENTITY Corrective Action Plan (CAP)



# Timeline



## Kendall Rydell TPL-001-4

### Feedback on TPL-001-4 Annual Data Request

What worked well, what did not, any improvements needed for next year?





# TPL-001-4 Data Request



Example:

TPL-001-4 Data Request – TP CFR	
<p>This data request is for TP CFR customers to provide the necessary inputs so that BPA can perform our share of the Transmission Planner role for the TP CFR project. If you have questions about the Requirements below, please see the NERC TPL-001-4 standard for additional explanation.</p>	
<p><b>Instructions:</b>                      Return completed form to the CSRP@bpa.gov mailbox.                      Responses to this data request are due no later than <b>05/01/2020</b></p>	
TP CFR Entity Name:	
CFR Contract number	
NERC CFR number	
Entity Contact:	
Entity Phone No.:	
Entity Contact Email:	
Date Submitted to BPA:	

# Kendall Rydall

## TPL-001-4 R 2.6

### R2.6 – Material Changes

*\* Will become part of the TPL-001-4 Annual Data Request*

- 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.

MATERIAL  
CHANGES



# SHORT CIRCUIT REPORT UPDATE (TPL-001-4, R2.3)

TP CFR Fault Study reports were issued Jan 2020:

- Cover letter and overview of short circuit study
- Spreadsheet table of results for Customer owned buses under the following fault conditions:
  - 3 Line to Ground (3LG)
  - Single Line to Ground (SLG)
  - Line-to-Line to Ground (2LG)
  - Line-to-Line (L-L)
- “Material Changes”, R2.6 also applies
  - Jen Ferris will coordinate data with entities as necessary in the Oct-Nov timeframe



# TPL-001-4



# TPL-007-4: Transmission System Planned Performance for Geomagnetic Disturbance Events

## Purpose:

- TPL-007-4 establishes requirements for Transmission system planned performance during Geomagnetic Disturbance (GMD) events.

## TP CFR Customer Impact:

- TP CFR customers will still have compliance responsibility for R6 & R10 as they apply to the Facility owner (TO/GO)
  - Enforceable 1/1/2022
- BPA assumes the Transmission Planner role for TPL-007-4 *with the exception of* Requirements related to Corrective Action Plans (CAPs), R7 & R11
  - Enforceable 1/1/2024

# TPL-007-4: effective October 2020

## Changes from version -3 to version -4:

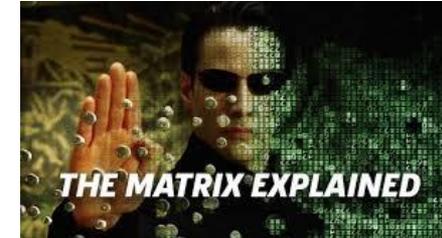
- R11 (NEW requirement, CFR customer responsibility): Corrective Action Plan (CAP) if performance requirements of the supplemental GMD Vulnerability Assessment (R8) are not met
- R12 (was R11 in -3): Responsible entity develops a process to obtain GIC monitor data, BPA is developing the process
- R13 (was R12 in -3): Responsible entity develops a process to obtain geomagnetic field data, BPA is developing a process

# TPL-007-4: effective October 2020

## TPL-007-4 phased implementation for compliance:

- Compliance Date for TPL-007-4 Requirements R1, R2, R5, and R9 – October 1, 2020
- Compliance Date for TPL-007-4 Requirements R12 and R13 - July 1, 2021
- Compliance Date for TPL-007-4 Requirements R6 and R10 - January 1, 2022
  - Asset owner responsibility, GO/TO
- Compliance Date for TPL-007-4 Requirements R3, R4, and R8 - January 1, 2023
- Compliance Date for TPL-007-4 Requirements R7 and R11 - January 1, 2024
  - TP CFR customer responsibility, if applicable

# Exhibit B Matrix Updates



- TPL-007-4 Contract Exhibit B updates
  - Standard version changes from -3 to -4 effective 10/1/2020
  - R5 & R9 (BPA) Effective 10/1/2020 – notifications sent in January 2020
- Expect update communication to arrive in September updating Table 2 of CFR contract exhibit B

Type	Name	Entity	Project	Standard	Req.	Doc Type	Year	Created
<b>Count= 7</b>								
	TPL-007_R5 R9_Courtesy Notification_Lewis_20200108	Lewis	na	TPL-007	R5, R9	Notifications Sent	2020	1/13/2020 6:14 PM
	TPL-007_R5 R9_Courtesy Notification_Pend Oreille_20200108	Pend Oreille	na	TPL-007	R5, R9	Notifications Sent	2020	1/13/2020 6:09 PM
	TPL-007_R5 R9_Courtesy Notification_Lower Valley_20200108	Lower Valley	na	TPL-007	R5, R9	Notifications Sent	2020	1/13/2020 6:09 PM
	TPL-007_R5 R9_Courtesy Notification_Klickitat_20200108	Klickitat	na	TPL-007	R5, R9	Notifications Sent	2020	1/13/2020 6:09 PM
	TPL-007_R5 R9_Courtesy Notification_UEC_20200108	Umatilla	na	TPL-007	R5, R9	Notifications Sent	2020	1/13/2020 6:09 PM
	TPL-007_R5 R9_Courtesy Notification_Northern Wasco_20200108	Northern Wasco	na	TPL-007	R5, R9	Notifications Sent	2020	1/13/2020 6:09 PM
	TPL-007_R5 R9_Courtesy Notification_Whatcom_20200108	Whatcom	na	TPL-007	R5, R9	Notifications Sent	2020	1/13/2020 6:09 PM

# TPL-007-4

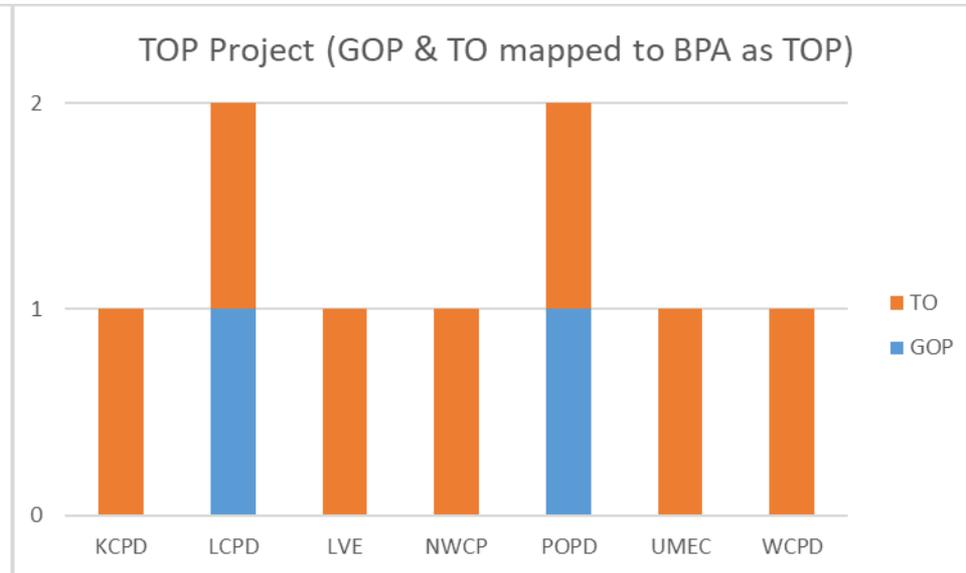
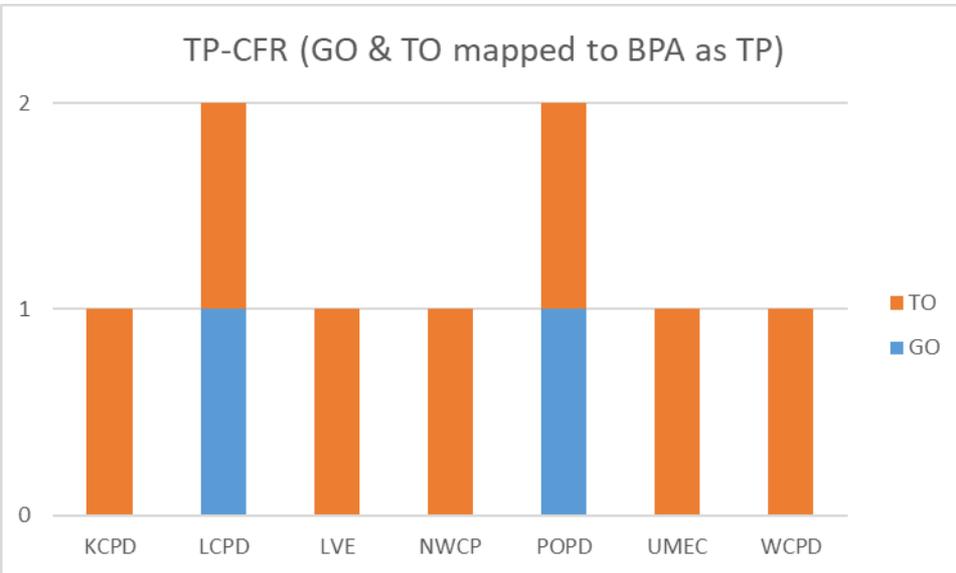


# Functional Mapping Summary

- webCDMS being replaced, hopefully!
- Let us know if you have concerns about functional mapping to BPA

## TP CFR

## TOP Project



# Finalization of Implementation Plan with WECC

- The Implementation period is concluded, we are now in sustain mode
- Final Implementation Plans will be submitted by BPA on behalf of TP CFR customers by 8/28



## Summary of changes:

Final Updates	Reason for change
Primary Application tab line 28 marked as 'complete'	BPA upload of System Assessment to applicable RC per IRO-017, R3 completed
Primary Application tab line 29 marked as 'complete'	BPA distribute System Assessment to adjacent TPs per TPL-001-4, R8 completed
Primary Application tab line 30 marked as 'complete'	Submit final completed Implementation Plan to WECC, compliant with all standards in TP CFR

# Next Steps Q & A



