

Transmission Planner/ Coordinated Functional Registration Customer Meeting



August 23, 2018
Vancouver, WA



Welcome TP CFR customers

Role Call

Logistics

Safety Moment



In Case of Emergency



Healthy Minds at Work



**HAVING A HEALTHY MIND
IS JUST AS IMPORTANT
AS A HEALTHY BODY**

Workplace support is key to maintaining
positive mental health



Agenda

- **REGULATOR SPOTLIGHT** – *Rachael Ferrin*
 - WECC's Role
 - NERC CFR Tool (Demo)
- **TPL-001-4** – *Kendall Rydell*
 - Supplemental Compliance Documentation
 - Planning Assessment Timing
 - FISMA status

BREAK – 15 MIN

- **PROJECT Plan**
 - TPIP
 - BPA Implementation Plan- V2
- **COST** – *Lorissa Jones*
- **NEXT STEPS**
- **Q & A**

Rachael Ferrin

Registration Analyst - WECC

- Regulator Spotlight
- WECC's Role
- NERC CFR Tool Demo

WECC's Role

- Collaboration
- Guidance
- Completion of milestone activities
- Completion of Implementation Plan
- Resource for Registered Entities
- Liaison between NERC and Registered Entities

NERC CFR Tool Demo

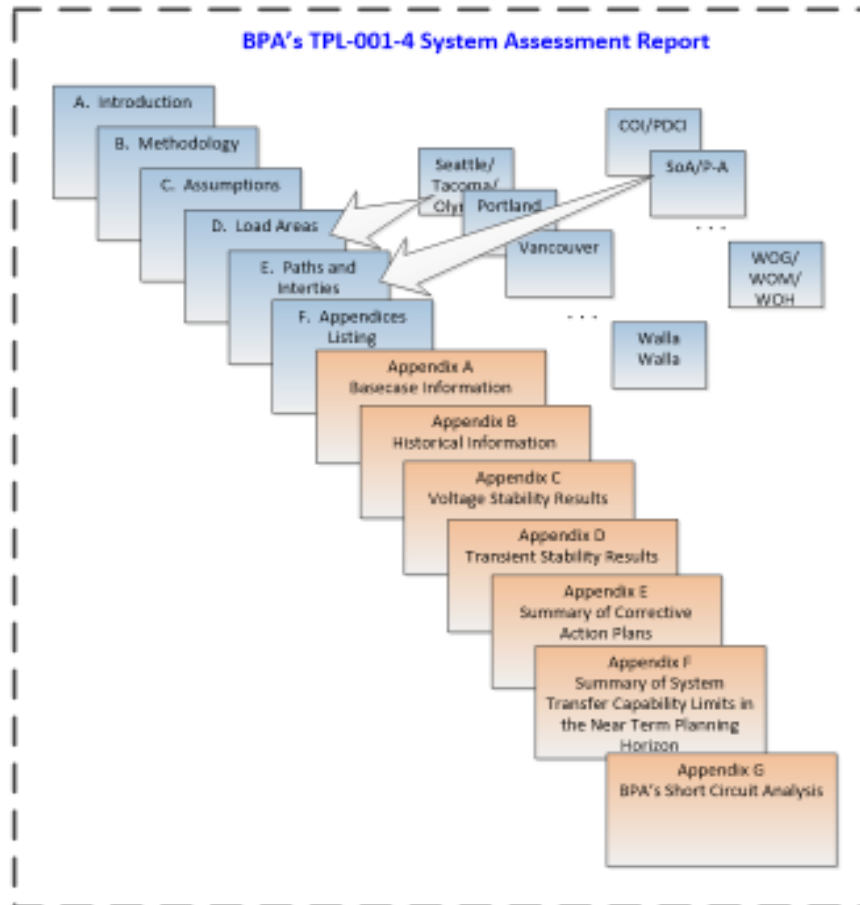
- Phase I
- Brief overview of CFR tool
- Phase II
- Suggestions/Questions

TPL-001-4

Kendall Rydell

- Supplemental Compliance Documentation
- Planning Assessment Timing
- FISMA status

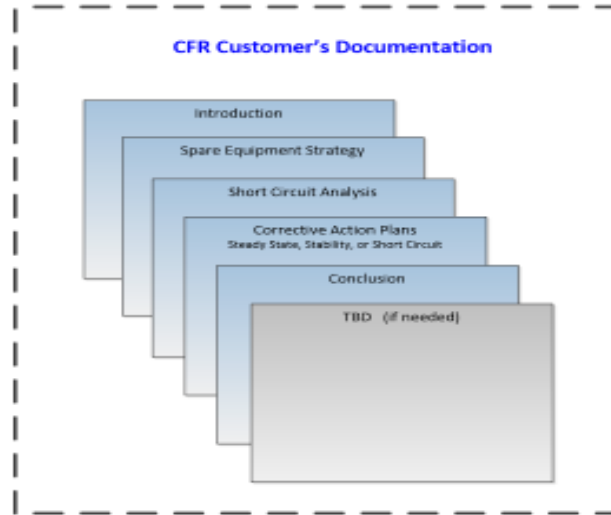
BPA's System Assessment



Supplemental Compliance Documentation

- *SAMPLE* -

CFR Customer's TPL-001-4 Compliance Documentation



Project Updates

TPIP

BPA Implementation Plan v2

- Due to WECC 8/31
- BPA Timeline for Progress Updates
- Quarterly Updates

Proposed Completion Date	Milestone Activity			
Status	DATE	Responsible Party	Standard	Action
Complete	11/2/2017	BPA		Meet with Customers to introduce the CFR process
Complete	2/27/2018	BPA		Meet with Customers to provide an update on the CFR project
Complete	5/11/2018	BPA		Offer CFR Contract to qualifying customers
Complete	6/15/2018	Qualifying Customers		Customers to Execute the CFR Contract
Complete	6/15/2018	Qualifying Customers		Register for the NERC ERO Portal, and request access to the CFR Portal
Complete	6/18/2018	Qualifying Customers		Customers to submit Implementation Plan to WECC
Complete	6/20/2018	Qualifying Customers		Register as the Transmission Planner with WECC
Complete	6/29/2018	BPA		Deliver the draft version of the CFR TPIP
Complete	8/20/2018	BPA		Begin to implement the procedures and processes as defined in the CFR TPIP
Complete	8/23/2018	BPA		Meet with Customers to provide an update on the CFR project
Future	8/31/2018	BPA & Qualifying Customers		Submit Implementation Plan version 2 to WECC
Future	11/30/2018	BPA & Qualifying Customers		Submit Implementation Plan update to WECC
Future	2/14/2019	Qualifying Customers	MOD-032-1	Data Submitted to BPA per MOD-032-1, R2
Future	2/28/2019	BPA & Qualifying Customers		Submit Implementation Plan update to WECC
Future	5/1/2019	Qualifying Customers	TPL-001-4	Data Submitted to BPA on TPL-001-4: R1.1.2, R1.1.5, R2.4.3, R2.7, R2.8, R 4.3- Required for 2020 assessment
Future	5/28/2019	BPA & Qualifying Customers		Submit Implementation Plan update to WECC
Future	8/28/2019	BPA & Qualifying Customers		Submit Implementation Plan update to WECC
Future	11/30/2019	Qualifying Customers	TPL-001-4	Short circuit data submitted per TPL-001-4, R2.3
Future	11/30/2019	BPA & Qualifying Customers		Submit Implementation Plan update to WECC
Future	2/14/2020	Qualifying Customers	MOD-032-1	Data Submitted to BPA per MOD-032-1, R2
Future	2/28/2020	BPA & Qualifying Customers		Submit Implementation Plan update to WECC
Future	4/1/2020	BPA	TPL-001-4	BPA completes TPL-001-4 System Assessment
Future	5/1/2020	Qualifying Customers	TPL-001-4	Data Submitted to BPA on TPL-001-4: R1.1.2, R1.1.5, R2.4.3, R2.7, R2.8, R 4.3- Required for 2021 assessment
Future	5/15/2020	Qualifying Customers	TPL-001-4	CFR Customer's Supplemental Compliance Documentation submitted to BPA
Future	6/1/2020	BPA	IRO-017-1	BPA uploads completed TPL-001-4 System Assessment to applicable RC per IRO-017, R3
Future	6/1/2020	BPA	TPL-001-4	BPA distributes System Assessment to adjacent TPs per TPL-001-4, R8
Future	6/1/2020	BPA & Qualifying Customers	ALL	Submit final completed Implementation Plan to WECC, compliant with all standards in TP CFR



2019 TP Cost Distribution Calculator

Projected Resource Cost =	\$422	thousand
Adjustment from the 2018 year =	(\$65)	thousand
2019 Projected Project Cost =	\$487	thousand

Utility Cost Breakdown

Utility Base Charge
 + X \$/MW peak load
 + Y \$/line segment
 + Z \$/bus

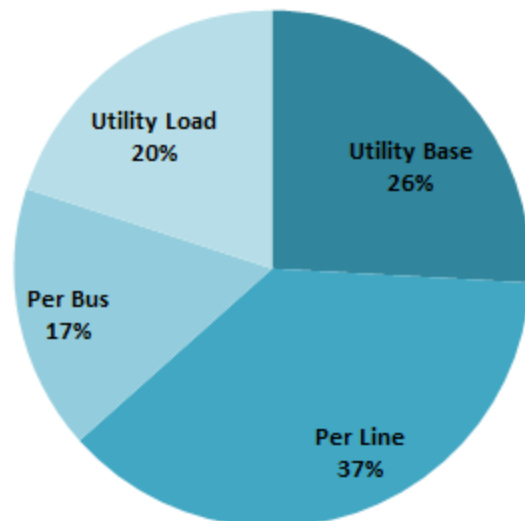
Utility Charge

Utility Base Charge:	\$ 18,000	(or 26% of utility cost)
Utility Load Charge:	20%	of the total utility cost
	\$ 81.2	per MW
Line & Bus Charge:	Remaining 54% of the total utility cost	
Cost per bus section is	50%	of the cost per line segment
	\$ 7,029	per line segment
	\$ 3,515	per bus

Peak MW Load is derived from the BPA 2017 FERC-714 Power System Report

Toggle	Utility Customers	Line Segments	Buses	Peak MW Load	Share of TP Cost
<input checked="" type="checkbox"/>	Klickitat County PUD No. 1	7	7	91	\$ 99,200
<input checked="" type="checkbox"/>	Lower Valley Energy	8	5	218	\$ 109,517
<input checked="" type="checkbox"/>	Lewis County PUD No. 1	2	2	257	\$ 59,965
<input checked="" type="checkbox"/>	Northern Wasco	1	1	106	\$ 37,155
<input type="checkbox"/>	Okanogan County PUD No. 1	5	3	157	\$ -
<input checked="" type="checkbox"/>	Pend Oreille County PUD No. 1	4	5	160	\$ 76,688
<input checked="" type="checkbox"/>	Umatilla Electric Cooperative	3	2	340	\$ 73,737
<input checked="" type="checkbox"/>	Whatcom County PUD No. 1	1	1	27	\$ 30,737

Total Project Cost Distribution



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

DRAFT

Next Steps

- *08/31/2018 Submit Implementation Plan v.2 to WECC*
- *11/30/2018 Submit Implementation Plan update to WECC*
- *02/14/2019 Submit MOD-032 data to BPA*
- *02/28/2019 Submit Implementation Plan update to WECC*
- *05/01/2019 Data Submitted to BPA on TPL-001-4:*
 - *R1.1.2, R1.1.5, R2.4.3, R2.7,R2.8, R 4.3 - (Required for 2020 assessment)*