

Reliability Matters

Spring has Sprung at BPA



Sherman County, Oregon—overlooking Mt. Hood

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Useful Links

- [BPA Event Calendar](#)
- [WECC Calendar](#)
- [BPA.gov](#)
- [Daily Interruption Report](#)

Pollen is in the air and so is Reliability! BPA's Customer Service Reliability Program (CSRP) is working hard to coordinate with internal and external Subject Matter Experts (SME's) to nail down the FAC-008 Facility Ratings data and the data from the Annual Data Exchange (ADE) that has plagued your inbox the last few months.

It's been a transition working with the new Reliability Coordinator, RC West. BPA has been actively working with RC West to ensure RC West has all the required data to effectively and efficiently operate the system. For example; the FAC-008 Facility Ratings request is now asking for normal and ambient temperatures and all emergency ratings. Ambient temperatures feed the Facility Ratings Report and SCADA Alarm Reports, which dispatch uses often. The seasonal section is used to support the base cases that our Planning folks create and manage for all of BPA. These cases are used for planning studies and also by Operations for real-time or short-term studies on the system. These studies are compared against each other for accuracy and time-sensitive studies. Previously, BPA's methodology did not require the data on emergency ratings in order to use the data effectively. Now that we have re-worked our methodology, we understand how important the granular level of detail for these temperatures is.

We appreciate all the patience and hard work our wonderful customers are giving us to ensure we are all working towards the same goal for a more reliable, efficient, and effective Bulk Electric System (BES).

Lorissa Jones
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RC West Energization Timeline

BPA is working closely with RC West to ensure all energizations of assets are covered in a timely fashion. With the amount of detail RC West is requesting, it is forcing BPA to push out their timelines for coverage on any new equipment in the Transmission Operator and Transmission Planner programs. Previously, the ask was for 90 days notice on any new lines. Due to the stringent detail requested, BPA now needs 160 days notice in order for the right data to make it into SCADA and

other various planning assessments. The Customer Service Reliability Program (CSRP) is asking that any time a TOP Customer is planning or scoping a future project to let CSRP know either through their Customer Service Engineer (CSE) or by emailing CSRP@bpa.gov so it can be add it to our tracking system early on. CSRP monitors the progress of the project through the CSE and with the Customer to ensure no surprises; this also

helps keep everyone on track and well informed.



Aircraft Services, Kellogg, Idaho

TPL-001-4

(Transmission System Planning Performance Requirements)

Data Request

On April 1st, BPA sent out the annual TPL-001-4 data request to all the Generation Owner (GO) Customers and the Transmission Planner Coordinated Functional Registration (TP-CFR) Customers who have mapped to BPA as their Trans-

mission Planner (TP) and who share TP requirements with BPA. This allows BPA to accurately model generation facilities and maintain BES assets to be included in BPA's Annual Planning assessment.

GO's and TP-CFR Customers both have 30 days to respond to the request resulting in a due date of today, May 1st.

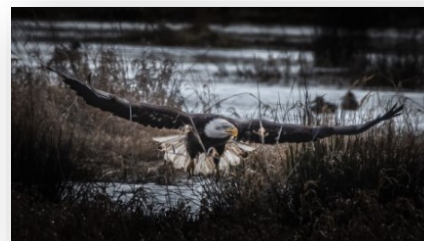
“We learn more in crisis than in comfort.”

COVID-19 & BPA

As everyone knows, we are in the midst of a pandemic that has swept the world off its feet. BPA is doing its part to slow the curve by shutting down all office locations. BPA is still continuing high productivity levels even given the new “norm” of teleworking every day. This has forced BPA to discover new ways to

communicate and interact with co-workers during business hours.

With the uncertainty of when we will all be allowed back into the office, we have been forced to slow down, enjoy, and cherish this time we have with our loved ones.



Ridgefield Wildlife Preserve, WA

Annual Data Exchange Informative

As mentioned earlier, BPA kicked off its 2020 Annual Data Exchange (ADE) on February 11th. As a reminder, this is BPA’s annual request for data collection that is sent to 70 entities within BPA’s Planning Coordinator footprint. BPA uses the data returned in a variety of ways ranging from real-time studies and operations to planning of future projects. Data collected is analyzed and entered by BPA’s Transmission Planning

Grid Modeling group for use in the WECC base case. Once the data has been entered, it is used to build base cases for the Northwestern region within WECC and then submitted by **Columbia Grid** to WECC, along with other Planning Coordinators. WECC uses that data annually to create a cohesive

system-wide view of the western interconnection in various scenarios.



Condon Wind Farm, Condon, OR

“It’s better to be SAFETY CONSCIOUS than UNSAFE and UNCONSCIOUS.”

PRC-027-1

(Coordination of Protection Systems for Performance During Faults) Exclusive

NERC is requiring a process to be established that ensures the Protection System settings for BES Elements operate in the intended sequence during Faults. Included in this process will be short circuit model data, a review of the Protection System settings, and communication of issues or lack of issues with any facilities that are electrically joined through BES Elements. This will be required when there is a development of any new and/or revised Protection System settings for BES Elements.

Entities are responsible for completing Protection System Coordination Studies

and/or Fault current comparisons in a time interval that does not exceed six years. Per BPA’s PRC-027-1 Subject Matter Expert (SME) Dean Bender: *“Fortunately, BPA’s present practices for coordinating protection systems are already closely in line with the new PRC-027 require-ments. We presently review the relay coordination for each line within a six year inter-*

val, so this will meet the new requirements.”

The new effective date is 10/1/2020. [Here](#) is a link to the PRC-027-1 standard.



Underside view of the I-205 Glen Jackson Bridge, which crosses the Columbia River

Word Search

Key Words:

- ACCOUNTABILITY
- COMMUNITY
- ELECTRICITY
- ENERGY
- ENVIRONMENT
- FISH
- GENERATION
- HYDROPOWER
- NORTHWEST
- POWER
- RELIABILITY
- RENEWABLES
- SAFETY
- SALMON
- STEWARDSHIP
- TRANSMISSION

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G K T X T K K F I O O H S S J G A Q K W C T F E G H Z C B M R J O

Picture Credit:

Overlooking Mt. Hood

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Technician

Ridgefield Wildlife
Preserve

David Dolezsar—Land
Surveyor

Glen Jackson

Dennis Groven—
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Wind Farm

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and reliable power supply.