

BPA Situation Report

Logistics & Planning

- Logistics
 - Loss of Prowatch at Midway and Columbia Substations
 - Excavators for tree clearing operations
 - Materials requests
- Planning
 - Continuation of Crew tracking
 - Maintain pandemic Protocols
 - Crew hours and Days worked
 - Support personnel cataloguing,
 - Additional resource availability

BPA Situation Report

Media Analysis

Washington

Cold Spring Fire

- Okanagan Valley Gazette – Tribune: <https://www.gazette-tribune.com/news/cold-spring-fire-burns-187689-acres-40-percent-contained/80834/>
- Story provides an update on progress on fire suppression. Also mentions utilities efforts to repair damaged poles:
- *“Power companies are working in the area to replace several hundred poles that were damaged or burned in the fire. Firefighters will continue to work with power crews to clear trees that have burned to keep the area safe to work in. Cell phone coverage continues to be a challenge in some areas due to towers being damaged during initial attack. The fire is 187,689 acres. Temperatures today will be in the 90s with humidity levels in the teens.”*

Pearl Fire

- No new news mentioning utilities or potential cause.

BPA Situation Report

Media Analysis Cont.

OREGON FIRES

Riverside Fire

- KPTV.com – Fox Portland affiliate: https://www.kptv.com/news/riverside-fire-burns-132-545-acres-remains-at-zero-percent-contained/article_b0a4c35e-f56f-11ea-ab10-873c93679ae3.html
- Story provides an update on suppression efforts. Includes information from the U.S. Forest Service indicating that the fire was “human caused.”
- *The U.S. Forest Service says the Riverside Fire was human caused. No further information about the investigation has been released.*

White River Fire

- No new news mentioning utilities or potential cause.

Santiam Canyon Fire

- No new news mentioning utilities or potential cause.*
- We investigated information on Oregon Department of Forestry’s website referencing power lines as the cause of the fire. That reference is included below:
- ... it has been renamed the Santiam Fire acknowledging that the Beachie Creek Fire no longer was the main cause of rapid fire growth and was instead fed by a series of small fires largely caused by downed power lines and other ignition sources throughout the area.
- Fire IMT representatives confirmed this in a call with PIO. The representative also indicated that these were distribution lines – not high-voltage lines. The representative confirmed these were not Bonneville Power Administrative lines – and that the fire officials had been in touch with the utility that owns the lines mentioned.

Holiday Farm Fire













































































- No news mentioning utilities or potential causes.































BPA Situation Report

Report Outs

- Public Information Officer- Doug Johnson
- Liaison Officer- Marybeth O’Leary
- Customer Liaison – Tina Ko

10:00 AM Attendees

- Allen, Neva J (BPA) - TFAW-RE...    
- Beasley II, James W (BPA) - N...    
- Bennett, Diana D (BPA) - NNC-1    
- Bryant, Fred A (BPA) - TTCT-A...    
- Cantwell, Janean C (BPA) - NN...    
- Cathcart, Michelle M (BPA) - T...    
- Felker, Steven D (TFE)(BPA) - ...    
- Hester, Shane H (BPA) - TFAW...    
- Johnson, G Douglas (BPA) - D...    
- Ko, Tina G (BPA) - TS-DITT-2    
- Lahti, John A (BPA) - TFH-CSB...    
- McDonald, Thomas A (BPA) - ...    
- Nguyen, John G (BPA) - NNC-1    
- O'Leary, Marybeth S (BPA) - N...    
- Rehbein, Garrett D (BPA) - TF-...    
- Robertsen, Robert K (BPA) - T...    
- Sarah Laylo    
- Schildt, Stefan J (BPA) - TFC-C...    
- Schoenberg, Rob D (TFE)(BPA...    

- Seabury, Nathan (BPA) - TFRE...    
 - Shaheen, Richard L (BPA) - T-...    
 - Shoemaker, Brandee R (BPA)...    
 - Ware, Michael K (BPA) - NSL-...    
 - Zeller, Edwin M (TFE)(BPA) - T...    
- Attendees (2)
-  Dan James Guest    
 -  john tyler Guest    

Questions?

Please reach out to pio@bpa.gov or fireinfo@bpa.gov.

BPA Situation Report

South Region Activities

- Rob Robertsen, South Branch Director
- **Salem:** *Santiam Fire (Riverside Fire is close)*
 - **Jones Canyon-Tumble Creek section of Jones Canyon-Santiam#1 230kV:**
 - Active fires impeding patrol, reevaluating **Monday morning**
- **Marion Sub:**
 - No change, fire watches on site
- **Eugene:** *Holiday Farm Fire*
 - **Cougar-Holden Creek #1 115kV:** Cougar Powerhouse-Blue River Tap (6 miles)
 - Active fires impeding patrol, progress has been made
 - Alvey TLM working with tree cutting crews **to restore Cougar-Blue River Tap**
 - Working with stakeholders to restore POD **by Tuesday** at Blue River Tap for Lane Electric
 - **NB TLM working to patrol Holden Creek-Thurston section**

From: Chis,David M (TFE)(BPA) - TOOP-DITT-2

Sent: Thu Sep 10 10:59:19 2020

To: Kuraspediani,Daniel K (TFE)(BPA) - TOOP-DITT-2

Subject: TO Technical meeting - David's notes

Importance: Normal

Attachments: 09.10.2020_TO Technical Meeting Notes.docx

Daniel,

I tried to summarize the issues that were discussed at the meeting today since you were OOO. Hope this helps.

-David Chis

From: Furrer,Robin R (BPA) - N-7

Sent: Wed Sep 09 10:57:45 2020

To: O'Leary,Marybeth S (BPA) - NNC-DOB-1; Laylo,Sarah M (BPA) - NN-1

Subject: RE: SitRep?par **Importance:** Normal

Attachments: image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

Ok they need to up their game like pronto.

From: O'Leary,Marybeth S (BPA) - NNC-DOB-1 <msoleary@bpa.gov>

Sent: Wednesday, September 9, 2020 10:57 AM

To: Furrer,Robin R (BPA) - N-7 <rrfurrer@bpa.gov>; Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>

Subject: RE: SitRep?

The team is doing well. We were able to talk directly to the IMT that is working the Beachie Creek Fire that involves Marion Substation.

We are using out heavy equip to make a fire line around the station. There is still time for them to do it safely.

I think the team is doing all the right things. They are just not so great at communicating it

Marybeth O'Leary

Liaison Officer- Transmission Wildfire Incident Management Team

Office of Continuity of Operations and Emergency Management

Bonneville Power Administration

department of energy

Cell (b)(6)

KJ7BMG

Pronouns: she, her, hers

From: Furrer,Robin R (BPA) - N-7 <rrfurrer@bpa.gov>

Sent: Wednesday, September 9, 2020 10:53 AM

To: Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>; O'Leary,Marybeth S (BPA) - NNC-DOB-1 <msoleary@bpa.gov>

Subject: RE: SitRep?

Yes. I got nothing. JohnH getting anxious about evacs. Not sure how/where he's getting info or what we need to be doing to respond and....whether it's time to pull the IMT bigger

From: Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>

Sent: Wednesday, September 9, 2020 10:52 AM

To: Furrer,Robin R (BPA) - N-7 <rrfurrer@bpa.gov>; O'Leary,Marybeth S (BPA) - NNC-DOB-1

<msoleary@bpa.gov>

Subject: RE: SitRep?

For fires?

Sarah Laylo

Chief Security and Continuity Officer

Bonneville Power Administration

bpa.gov | P 503-230-5295 | C (b)(6)

[cid:image001.jpg@01D52C3E.DF0B9390cid:image008.jpg@01D52C3E.09FCE1E0cid:image009.jpg@01D52C3E.09FCE1E0cid:image010.jpg@01D52C3E.09FCE1E0cid:image011.jpg@01D52C3E.09FCE1E0cid:image012.jpg@01D52C3E.09FCE1E0](#)

From: Furrer,Robin R (BPA) - N-7 <rrfurrer@bpa.gov>

Sent: Wednesday, September 9, 2020 10:51 AM

To: O'Leary,Marybeth S (BPA) - NNC-DOB-1 <msoleary@bpa.gov>; Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>

Subject: SitRep?

From: Shoemaker,Brandee R (BPA) - TFA-DOB-1

Sent: Fri Sep 11 08:18:43 2020

To: Rehbein,Garett D (BPA) - TF-ROSS MHQA

Subject: RE: Marion Status

Importance: Normal

Got it.

From: Rehbein,Garett D (BPA) - TF-ROSS MHQA <gdrehbein@bpa.gov>

Sent: Friday, September 11, 2020 7:50 AM

To: Shoemaker,Brandee R (BPA) - TFA-DOB-1 <brshoemaker@bpa.gov>

Subject: FW: Marion Status

Importance: High

This is good for our report tonight.

From: Robertsen,Robert K (BPA) - TFV-ROSS MHQA <rkrobertsen@bpa.gov>

Sent: Friday, September 11, 2020 7:47 AM

To: Rehbein,Garett D (BPA) - TF-ROSS MHQA <gdrehbein@bpa.gov>; Lahti,John A (BPA) - TFH-CSB-1W <jalahti@bpa.gov>

Subject: RE: Marion Status

Importance: High

9/11/2020 0730:

- No change overnight, heavy smoke with no flames visible
- 24hr fire watches will continue until fire is no longer a threat
- Briefed this last night at 1800 IMT call:
 - o In daily contact with *Santiam Fire* Liaison Officer
 - o Santiam Fire and Riverside fire are due to merge
 - o Daily calls with *Riverside Fire* IMT start today
 - o Liaison Officer stated that our fire break looks solid
 - o Fire is still some distance from the sub but fire teams will shift resources if it starts heading that way
 - o Fire been holding the same footprint on the portion nearest the sub
 - o No additional resources coming due to other fires
 - o Aircraft remain grounded
- Status will be updated every day at 0800, 1400 and 1900, 7 days a week

Please contact me at any time for questions or clarifications.

Rob Robertsen | Longview District Manager

Bonneville Power Administration

(O) [360.418.8766](tel:360.418.8766) | (M) (b)(6) (H) (b)(6)

From: Robertsen, Robert K (BPA) - TFV-ROSS MHQA

Sent: Thursday, September 10, 2020 3:59 PM

To: Rehbein, Garrett D (BPA) - TF-ROSS MHQA <gdrehbein@bpa.gov>; Lahti, John A (BPA) - TFH-CSB-1W <jalahti@bpa.gov>

Subject: Marion Status

Importance: High

Marion status as of 1530:

- Heavy smoke with no flames visible in any direction
- Water tanker on site but fire crew is not present
- Working with Marybeth to discuss strategy and updates with the Fire IMT (hopefully soon, update you both afterwards)
- Currently working on a fire watch roster for 24 hour coverage over the weekend
 - o We will also be asking each fire watch to send a simple report back with status at the end of their shifts.
 - o Each shift to last 4 hours, in part to reduce lengthy exposure to the smoke.

- o Longview District is supplementing the fire watch roster.

I will also be sending these at more regular intervals until you tell me to stop. Please let me know if you have any questions or concerns.

Rob Robertsen | Longview District Manager

Bonneville Power Administration

(O) 360.418.8766 | (M) (b)(6) (H) (b)(6)

From: Rehbein,Garett D (BPA) - TF-ROSS MHQA

Sent: Thu Sep 17 09:01:11 2020

To: Robertsen,Robert K (BPA) - TFV-ROSS MHQA

Subject: Update on info for santiam fire

Importance: Normal

Can you resend that last email to me please?

From: Hester, Shane H (BPA) - TFAW-DOB-1

Sent: Thu Sep 17 11:34:04 2020

To: Cantwell, Janean C (BPA) - NNC-1

Subject: Fire IMT Situation Brief 9-17-20 PM.pptx

Importance: Normal

Attachments: Fire IMT Situation Brief 9-17-20 PM.pptx

I made a few edits. Let me know if you have any questions.

Shane Hester

Manager TFA

Field Strategy and Operational Excellence

Bonneville Power Administration

O (360) 619-6458 | C (b)(6)

From: Hester,Shane H (BPA) - TFAW-DOB-1

Sent: Mon Sep 14 15:41:12 2020

To: Bryant,Fred A (BPA) - TTCT-AMPN-1

Subject: FW: Fire IMT Situation Brief 9-14-20 AM Updated.pptx

Importance: Normal

Attachments: Fire IMT Situation Brief 9-14-20 AM Updated.pptx

Sorry, I missed adding you to this email.

Shane Hester

Manager TFA

Field Strategy and Operational Excellence

Bonneville Power Administration

O (360) 619-6458 | C (b)(6)

From: Hester,Shane H (BPA) - TFAW-DOB-1

Sent: Monday, September 14, 2020 3:20 PM

To: Robertsen,Robert K (BPA) - TFEV-ROSS MHQA <rkrbertsen@bpa.gov>; Schildt,Stefan J (BPA) - TFC-COVINGTON <sjschildt@bpa.gov>; Seabury,Nathan (BPA) - TFE-REDMOND <njseabury@bpa.gov>; Allen,Neva J (BPA) - TFAW-REDMOND <njallen@bpa.gov>; Schoenberg,Rob D (TFE)(BPA) - TORD-DITT-1

<rdschoenberg@bpa.gov>; Oestreicher,Al S (TFE)(BPA) - TORM-MEAD <asoestreicher@bpa.gov>; Moad,Brett A (BPA) - TFHE-CSB-1 <bamoad@bpa.gov>
Cc: Rehbein,Garett D (BPA) - TF-ROSS MHQA <gdrehbein@bpa.gov>; Shoemaker,Brandee R (BPA) - TFA-DOB-1 <brshoemaker@bpa.gov>; Hester,Shane H (BPA) - TFAW-DOB-1 <shhester@bpa.gov>
Subject: Fire IMT Situation Brief 9-14-20 AM Updated.pptx

Attached are the slides I briefed out at the 1300 Executive briefing. Please use this format for updating your slides for our meeting at 0700 tomorrow. Please send me your updated slides previous to the 0700 meeting. We will go over all the slides in our meeting tomorrow and make sure we are in agreement with the content.

The briefing went well and the information you are providing is giving the front office the global picture they need!
Great Job!

Please let me know if you have any questions.

Shane Hester

Manager TFA

Field Strategy and Operational Excellence

Bonneville Power Administration

O (360) 619-6458 | C (b)(6)

From: Idowu,Ayodele O (BPA) - TPMC-OPP-3

Sent: Wed Sep 16 11:46:47 2020

To: ADL_TPMC_ALL; Ngoy,Prachthearat (BPA) - TPMC-OPP-3; vqbui@bpa.gov; avrealica@bpa.gov; ddelwess@bpa.gov; keowen@bpa.gov; jcdodge@bpa.gov; aoidowu@bpa.gov; avasilu@bpa.gov; stnguyen@bpa.gov; jwhahn@bpa.gov; ccwitthaus@bpa.gov; rtunanue@bpa.gov

Subject: FW: Fire IMT Situation Brief 9-15-20

Importance: Normal

Attachments: Fire IMT Situation Brief 9-15-20 (003).pdf

Good Morning Team,

FYI (See Attached document)...

Regards,

Ayo Idowu

Supervisory Electronics Engineer

Bonneville Power Administration

Transmission Services – Communications and Control Planning (TPMC)

Office: 7600 NE 41st St, Ste 340, Vancouver, WA 98662

Email: aoidowu@bpa.gov

Direct: 360.418.2802

Cell: (b)(6)

Fax: 360.619.6589

From: Kohne, Kyle R (BPA) - TPM-OPP-3 <krkohne@bpa.gov>

Sent: Wednesday, September 16, 2020 7:49 AM

To: Idowu, Ayodele O (BPA) - TPMC-OPP-3 <aoidowu@bpa.gov>; Randall, James L (BPA) - TPMG-OPP-3 <jlrandall@bpa.gov>; Trinh, Thong Q (BPA) - TPM-OPP-3 <tqtrinh@bpa.gov>; Knoll, Karl W (BPA) - TPM-OPP-3 <kwknoll@bpa.gov>

Cc: Nourigat, Melissa D (CONTR) - TD-OPP-3 <mdnourigat@bpa.gov>

Subject: FW: Fire IMT Situation Brief 9-15-20

Passing Along.....excellent info on the efforts and impacts due to recent wildfires in BPA's service territory.

From: Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>

Sent: Tuesday, September 15, 2020 4:15 PM

To: TP_Leader_Team <TPLeaderTeam@bpa.gov>

Subject: FW: Fire IMT Situation Brief 9-15-20

Update on latest

Jeffrey W. Cook, PE

VP Transmission Planning and Asset Management

Bonneville Power Administration

360-418-8981

From: Cantwell, Janean C (BPA) - NNC-1 <jccantwell@bpa.gov>

Sent: Tuesday, September 15, 2020 1:49 PM

To: Hairston, John L (BPA) - K-7 <jlhairston@bpa.gov>; Furrer, Robin R (BPA) - N-7 <rrfurrer@bpa.gov>; James, Daniel M (BPA) - D-7 <dmjames@bpa.gov>; McDonald, Thomas A (BPA) - C-7 <tamcdonald@bpa.gov>; Lahti, John A (BPA) - TFH-CSB-1W <jalahti@bpa.gov>; Shaheen, Richard L (BPA) - T-DITT-2 <rlshaheen@bpa.gov>; Cathcart, Michelle M (BPA) - TO-DITT-2 <mmcathcart@bpa.gov>; Miller, Mike P (BPA) - TF-DITT-2 <mpmiller@bpa.gov>; Cook, Joel D (BPA) - P-6 <jdcook@bpa.gov>; Laylo, Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>; DiGenova, Jeffrey A (BPA) - TT-DITT-2 <jadigenova@bpa.gov>; Nguyen, John G (BPA) - NNC-1 <jgnguyen@bpa.gov>; Johnson, G Douglas (BPA) - DK-7 <gdjohnson@bpa.gov>; Cook, Jeffrey W (BPA) - TP-DITT-2 <jwcook@bpa.gov>; Bea, Brad A (BPA) - NF-MODW <babea@bpa.gov>; ADL_TSE_ONLY <adltseonly@bpa.gov>; Klumpp, Elizabeth C (BPA) - DIR-WSGL <ecklumpp@bpa.gov>; Peacock Williamson, Julie (BPA) - DIR-7 <jxpeacockwilliamson@bpa.gov>; Baskerville, Sonya L (BPA) - DIN-WASH <slbaskerville@bpa.gov>; Ko, Tina G (BPA) - TS-DITT-2 <tgko@bpa.gov>; Scruggs, Joel L (BPA) - DK-7 <jlsruggs@bpa.gov>; Cogswell, Peter (BPA) - DI-7 <ptcogswell@bpa.gov>; PIO <pio@bpa.gov>

Cc: Shoemaker, Brandee R (BPA) - TFA-DOB-1 <brshoemaker@bpa.gov>; Hull, Michael J (BPA) - TE-DITT-2 <mjhull@bpa.gov>; Olesen, Greg L (BPA) - TF-TRI CITIES RMHQ <gllesen@bpa.gov>; McCracken, Michael A

(BPA) - TFK-KALISPELL <mamccracken@bpa.gov>; Schildt,Stefan J (BPA) - TFC-COVINGTON <sjschildt@bpa.gov>; Robertsen,Robert K (BPA) - TFV-ROSS MHQA <rkrobertsen@bpa.gov>; Schoenberg,Rob D (TFE)(BPA) - TORD-DITT-1 <rdschoenberg@bpa.gov>; Felker,Steven D (TFE)(BPA) - TORM-MEAD <sdfelker@bpa.gov>; Kingsford,Brent E (TFE)(BPA) - TORD-DITT-1 <bekingsford@bpa.gov>; O'Leary,Marybeth S (BPA) - NNC-DOB-1 <msoleary@bpa.gov>; Beasley II,James W (BPA) - NFC-MODW <jwbeasley@bpa.gov>; Allen,Neva J (BPA) - TFAW-REDMOND <njallen@bpa.gov>; Kroon,Sharon L (CONTR) - TF-ROSS MHQA <slkroon@bpa.gov>; DOCL <docl@bpa.gov>

Subject: Fire IMT Situation Brief 9-15-20

Good afternoon,

Please see the attachment for today's Situation Brief.

Respectfully,

Janean Cantwell

Emergency Management Specialist | Continuity of Operations and Emergency Management

Bonneville Power Administration

905 NE 11th Ave.

Portland, OR 97232

jccantwell@bpa.gov | P 503-230-3730 |

From: Allen, Neva J (BPA) - TFAW-REDMOND

Sent: Wed Sep 16 07:23:41 2020

To: Evans, Deanna S (CONTR) - TFR-REDMOND

Subject: FW: Fire IMT Situation Brief 9-16-20 AM.pptx

Importance: Normal

Attachments: Fire IMT Situation Brief 9-16-20 AM.pptx

Here you go

From: Hester, Shane H (BPA) - TFAW-DOB-1 <shhester@bpa.gov>

Sent: Wednesday, September 16, 2020 7:23 AM

To: Cantwell, Janean C (BPA) - NNC-1 <jccantwell@bpa.gov>

Cc: Rehbein, Garrett D (BPA) - TF-ROSS MHQA <gdrehbein@bpa.gov>; Shoemaker, Brandee R (BPA) - TFA-DOB-1 <brshoemaker@bpa.gov>; Seabury, Nathan (BPA) - TFRE-REDMOND <njseabury@bpa.gov>; Allen, Neva J (BPA) - TFAW-REDMOND <njallen@bpa.gov>; Schildt, Stefan J (BPA) - TFC-COVINGTON <sjschildt@bpa.gov>; Robertsen, Robert K (BPA) - TFV-ROSS MHQA <rkrobertsen@bpa.gov>; Bryant, Fred A (BPA) - TTCT-AMPN-1 <fabryant@bpa.gov>; Schoenberg, Rob D (TFE)(BPA) - TORD-DITT-1 <rdschoenberg@bpa.gov>; Oestreicher, Al S (TFE)(BPA) - TORM-MEAD <asoestreicher@bpa.gov>; Moad, Brett A (BPA) - TFHE-CSB-1 <bamoad@bpa.gov>

Subject: Fire IMT Situation Brief 9-16-20 AM.pptx

Good morning Janean,

Attached are the slides for the 1000 meeting this morning.

Shane Hester

Manager TFA

Field Strategy and Operational Excellence

Bonneville Power Administration

O (360) 619-6458 | C (b)(6)

From: Hester,Shane H (BPA) - TFAW-DOB-1

Sent: Fri Sep 18 16:40:04 2020

To: Laylo,Sarah M (BPA) - NN-1

Subject: RE: Santiam lines

Importance: Normal

Attachments: image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; image006.jpg

I believe that is at each sub station. Steve G can answer that.

Shane Hester

Manager TFA

Field Strategy and Operational Excellence

Bonneville Power Administration

O (360) 619-6458 | C (b)(6)

From: Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>

Sent: Friday, September 18, 2020 4:38 PM

To: Hester,Shane H (BPA) - TFAW-DOB-1 <shhester@bpa.gov>

Subject: RE: Santiam lines

Is SCADA info stored in a central location at the control centers, or is it at each substation on a server or something?

Sarah Laylo

Chief Security and Continuity Officer

Bonneville Power Administration

bpa.gov | P 503-230-5295 | C (b)(6)

[cid:image001.jpg@01D52C3E.DF0B9390cid:image008.jpg@01D52C3E.09FCE1E0cid:image009.jpg@01D52C3E.09FCE1E0cid:image010.jpg@01D52C3E.09FCE1E0cid:image011.jpg@01D52C3E.09FCE1E0cid:image012.jpg@01D52C3E.09FCE1E0](#)

From: Hester,Shane H (BPA) - TFAW-DOB-1 <shhester@bpa.gov>

Sent: Friday, September 18, 2020 4:34 PM

To: Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>

Subject: RE: Santiam lines

No worries, that is why I am here!

Shane Hester

Manager TFA

Field Strategy and Operational Excellence

Bonneville Power Administration

O (360) 619-6458 | C (b)(6)

From: Laylo, Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>
Sent: Friday, September 18, 2020 4:33 PM
To: Hester, Shane H (BPA) - TFAW-DOB-1 <shhester@bpa.gov>
Subject: RE: Santiam lines

Thanks.

Sarah Laylo

Chief Security and Continuity Officer

Bonneville Power Administration

bpa.gov | P 503-230-5295 | C (b)(6)

[cid:image001.jpg@01D52C3E.DF0B9390cid:image008.jpg@01D52C3E.09FCE1E0cid:image009.jpg@01D52C3E.09FCE1E0cid:image010.jpg@01D52C3E.09FCE1E0cid:image011.jpg@01D52C3E.09FCE1E0cid:image012.jpg@01D52C3E.09FCE1E0](#)

From: Hester,Shane H (BPA) - TFAW-DOB-1 <shhester@bpa.gov>
Sent: Friday, September 18, 2020 4:33 PM
To: Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>
Subject: RE: Santiam lines

Yes

Shane Hester

Manager TFA

Field Strategy and Operational Excellence

Bonneville Power Administration

O (360) 619-6458 | C (b)(6)

From: Laylo,Sarah M (BPA) - NN-1 <smlaylo@bpa.gov>
Sent: Friday, September 18, 2020 4:32 PM
To: Hester,Shane H (BPA) - TFAW-DOB-1 <shhester@bpa.gov>
Subject: Santiam lines

I'm trying to ask him if there is anything we should be on the lookout for—When he says Salem is he talking about the Santiam fire?

Sarah Laylo

Chief Security and Continuity Officer

Bonneville Power Administration

bpa.gov | P 503-230-5295 | C (b)(6)

[cid:image001.jpg@01D52C3E.DF0B9390cid:image008.jpg@01D52C3E.09FCE1E0cid:image009.jpg@01D52C3E.09FCE1E0cid:image010.jpg@01D52C3E.09FCE1E0cid:image011.jpg@01D52C3E.09FCE1E0cid:image012.jpg@01D52C3E.09FCE1E0](#)

BPA Situation Report

Operations Section Chief Report

- 7 Districts have suffered some sort of damage.
- Multiple crews working the restoration.
- Active fires still burning keeping crews from completing assessments or repairs:
 - Sections of Cougar – Thurston 115kv
 - Section of Jone Canyon - Santiam 230kv
- Electrical customers still impacted by BPA restoration:
 - EWEB – ETR TBD – EWEB is not ready to take service
 - Lane Electric – ETR 9-15-20
- Fiber customers still affected by BPA restoration:
 - Zayo – ETR 9-15-20
 - Noanet – partially restored – full restoration TBD
 - Pro watch – ETR 9-15-20

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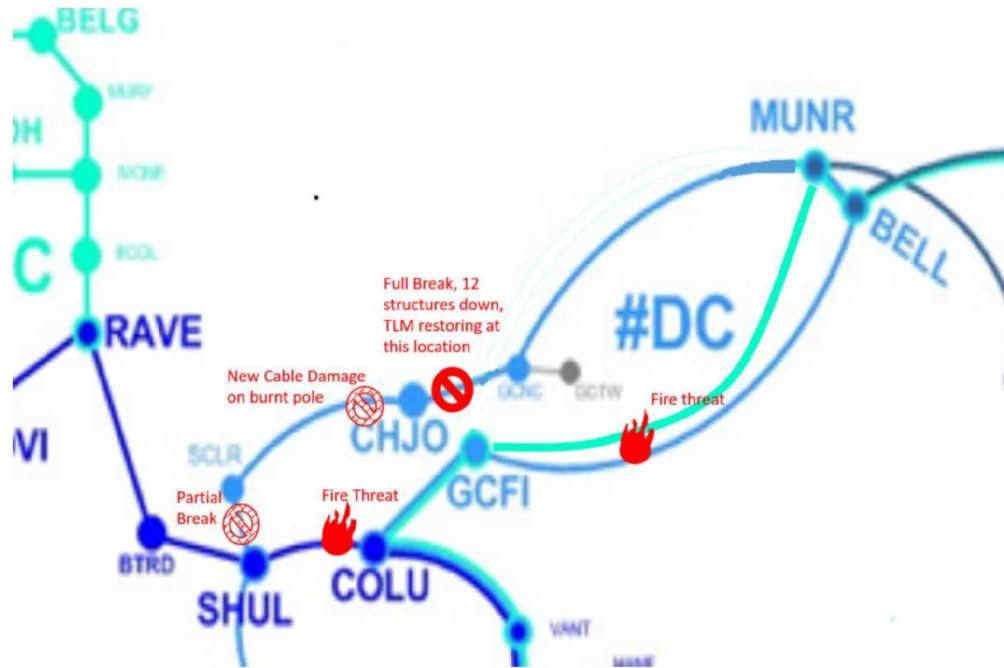
BPA Situation Report North Region Activities

- Stefan Schildt, North Branch Director
 - Line crews restored the 1st fiber break on GCOU – CHJO #2
 - Made progress on GCOU – CHJO #1 230kv
 - Made progress on GCOU – FOST #1 115kv
 - Currently working on the SHUL – SCLR fiber break
 - ETR – 9-15-20
 - Continue to work on:
 - GCOU – CHJO #1 230kv
 - » ETR – 9-17-20
 - GCOU – Foster Creek #1 115kv
 - » ETR – 9-17-20
 - GCOU – OKAN #2 115kv
 - » ETR - TBD

BPA Situation Report

Fiber Activities

Fred Bryant, Fiber Branch Director






BPA Situation Report

South Region Activities

- Rob Robertsen, South Branch Director
- **Salem:** *Santiam Fire (Riverside Fire may merge with Santiam fire)*
 - **Jones Canyon-Tumble Creek section of Jones Canyon-Santiam#1 230kV:**
 - Active fires impeding patrol, reevaluating 9-14-20
- **Marion Sub:**
 - No change, fire watches on site
- **Eugene:** *Holiday Farm Fire*
 - **Cougar-Holden Creek #1 115kV:** Cougar Powerhouse-Blue River Tap (6 miles)
 - Active fires impeding patrol, progress has been made
 - Alvey TLM working with tree cutting crews to restore Cougar-Blue River Tap
 - Working with stakeholders to restore POD at Blue River Tap for Lane Electric on 9-15-20
 - NB TLM working to patrol Holden Creek-Thurston section

Date	September 11, 2020	Phone Bridge/Call-In #	509-822-4485 Pass code: (b)(6)
Time	10:00am -11:00am	Team-meeting SharePoint	
Room	Conference Call	Meeting purpose	IMT 2020 Fire Wind Event
Note taker	Sharon Kroon	Meeting resources	
	IMT Commander- Garrett Rehbein		

Meeting Report-Out Summary

Presenter	Discussion
<i>Garrett Rehbein Safety Moment & 201 Document</i>	<p>Roll Call and Transition Day</p> <p>Safety Moment: Email & Daily Accounting for employees and tracking all of them.</p> <p>Fires, COVID follow all the guidelines; working toward the N95 masks, air quality over 500ppm.</p> <p>See 09/11/2020 ICS Incident Briefing</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  BPA Fire IMT Executive Briefing 091 </div> <div style="text-align: center;">  ICS 20-503 091120AM.pdf </div> <div style="text-align: center;">  09-11-2020 Fire IMT updates.pptx </div> </div> <p>Working the broken fibre break</p> <p>Added traffic information to presentation</p> <p>Some going into ROSS HQ for better coordination.</p> <p>Will continue with regular meeting thru the weekend 09/12 & 13</p> <p>Report Out:</p>
<i>North Region Director: Stephan Schildt</i>	<p>Redmond crew reporting today: 7 crews working the North only 2 structures left to build. Should be ready to splice in the AM approx. by 7:00 AM. Ryan is checking in with Dispatch.</p>
<i>South Region Director: Rob Robertsen</i>	<p>Detroit -Santiam hinder a bit. Salem 2 called out to patrol Grand Ron –Boyer will report to Dispatch</p> <p>In daily direct contact with the various fire incident management teams to obtain most up to date information of fire status and strategy. Santiam Fire IMT is most critical because of fire threat to Marion Sub and lines in and out. Around the clock fire watches at Marion sub, in 4 hour shifts by Salem and Longview Districts. Cut a huge fire line around sub</p> <p>Santiam fire looks like it will merge with Riverside fire.</p> <p>Cougar-Holden Creek, Alvey work with MCC in route to Cougar Dam...fire IMT opened 126 for crews.</p> <p>Received clearance Cougar Power House- Blue River Tap; Working with Lane Elec and customers to help with fire resources, Damage at Blue River Tap...Sub Main & TLM to help with repairs.</p> <p>Asks for all inquiries to the IMT to go thru on resource.</p>

	No fibre breaks a Marion but working to a "What If"
<i>East Operational Section Chief: Mike McCracken</i>	East Region is doing well. No need going forward unless situations change
<i>Crew Planning: Nate Seabury</i>	The Dalles is covering or Redmond and Pasco. Redmond TLM heading to support the North crews Kalispell is in stand-by if needed
<i>Logistics Section Chief: Brandee Shoemaker</i>	Warehouse is looking for N95 masks.
<i>Public Relations Chief: Mike Hull</i>	Transferring this task to the bigger IMT
<i>Fiber Restoration/PSC Coordinator: Fred Bryant</i>	Have comm around Marion but preparing if/when needed "What if" Can withstand one break but a second one would be problematic. Partial Break at Sickler lost one bumper tube affected a customer not BPA. Continues to degrade but ready to splice in the AM. One customer repeatedly calling for updates. Had 130 comm outages higher than normal. Right now there is a No Touch Policy thru Dispatch; they are addressing each one as they come in.
<i>Dispatch Coordination: Steve Felker or Senior TBD</i>	Hall Ridge no longer functioning - No VHF radio service Egis Fire Watch / Warning. May need TLM to visibly patrol lines to be discussed after this call. Developing a plan for possible Marion fibre break
<i>Safety Coordination-Brad Bea or designee James B.</i>	Situation Awareness it's critical to follow guidelines. Every small thing can add up quickly to bigger issues.   Situational Awareness-Take Off TExposure Program 42 Wildfire Smoke
<i>WP&E: Neva Allen</i>	Tracking crews. Redmond secured lodging in Omak
<i>Continuity Liaison: MaryBeth O'Leary</i>	Riverside is now a Type 1 incident which now falls under a special management team
<i>Sharon Kroon</i>	Lodging secured for the Redmond Crews in Omak
<i>Jenean Cantwell</i>	Review slides fires and cities & counties impacted (attached) This is a fluid doc and changes happen quickly. Watching for merging fires. Map showing evacuation outline Green be prepared, Yellow Get Ready to Go, Red GO NOW!
<i>Continuity Support Sara Lalo</i>	Making adjustment to meeting scheduled. Invite to come today. Lines of communication issues help is coming. Will help with documentation gathering for preservation photos etc. Will reach out to Garrett and Nate to see what resources we needed.
<i>Tina KO</i>	Customer Impacts: Yesterday a letter was sent to all transmission and dark fiber customers impacted by BPA due to the fires

Next :



Next IMT PM Call	09/11/2020	6:00 PM
Crews to meet with Dispatch for days marching orders	09/12/2020	5:30 AM
Next IMT AM Call	09/12/2020	10:00 AM
Next IMT PM Call	09/12/2020	6:00 PM
Crews to meet with Dispatch for days marching orders	09/13/2020	5:30 AM
Next IMT AM Call	09/13/2020	10:00 AM
Next IMT PM Call	09/13/2020	6:00 PM
Crews to meet with Dispatch for days marching orders	09/14/2020	5:30 AM
Next IMT AM Call	09/14/2020	10:00 AM
Next IMT PM Call	09/14/2020	6:00 PM

Take Off Those Blinders: The Importance of Situational Awareness

May 2019 ([/ip-articles/may-2019](#))
677 Hits

Jeffrey Sullivan ([/ip-articles/blogger/jeffrey-sullivan](#))

Wednesday, 22 May 2019

0 Comments ([/ip-articles/take-off-those-blinders-the-importance-of-situational-awareness?tmpl=component&print=1&format=print#comments](#))

Some days I feel like a broken record with my apprentice. "Watch out for ...," "Keep in mind ..." and, of course, the much more emphatic "Hey, hey, hey, you can't ..." Those of us who work in the field on a daily basis and are responsible for the training of less experienced workers know this feeling well. So, how do we train our workers, keep them safe and still be productive? To me, it comes down to one simple phrase: situational awareness.

What is situational awareness? I am constantly using the analogy of blinders on a racehorse to describe it. All those horses care about is what is directly in front of them as they run down that track. In our line of work, that way of thinking is dangerous. It is easy to talk about the scope of a job and identify hazards, but once work starts, the situation changes and a worker's field of vision may shrink. Sometimes there is so much going on in your working environment, or you become so absorbed in your own thoughts, that you fail to spot those things that could pose a serious threat to your health and safety.

Three Subcategories

I have divided the concept of situational awareness – or at least the way I perceive it – into three subcategories: hazard recognition, scope change and complacency. I have found that workers are much more positively impacted when you touch upon each topic individually prior to the job.

Hazard recognition is something all of us do subconsciously (i.e., without realizing it), but that is not enough. It's not until we put a greater focus on recognizing hazards from the start, and an added focus on the little things that many do not perceive as hazards, that we will really start to positively affect worker safety.

Scope change and complacency go together, so let's take a look at them in that context. Scope change occurs when something comes up after the start of the job, and then everyone on the job needs to recognize the new situation and make the necessary adjustments. Complacency, or being comfortable with what is occurring right in front of you without giving it too much thought, will never let you fully identify scope change. If an issue arises after the start of the job, we must stop what we are doing and begin the process of situational awareness over again. Otherwise, we will continue to think the issue that came up is no big deal – and that is when we likely will have accidents.

Complacency needs to be addressed and guarded against on an institutional level, and I don't mean just by your company or safety man. It needs to be addressed by you, by me, by everyone – every single day. Complacency toward the job is an underlying factor in almost every single accident. We all must find a way to fight complacency, not only for ourselves but also for those we work with. Our line of work has institutional complacency built into it by the way we talk to one another about the job we are about to perform. One of the biggest ways to counteract this is to try to avoid using what I refer to as "trap phrases." These kinds of phrases – such as "real quick," "let's just," "knock this out" and "it's only" – lead to problems. They instill thoughts of "easy" and "not hazardous" with regard to the job that is about to occur, and thus lead to complacency. We have to choose our words carefully and ensure we never forget the task at hand, the hazards that exist and our training to work safely around them.

Act 'SLIM'

One way we can keep our heads clear and stay safe during both routine tasks and high-stress times is to act "SLIM."

SLIM is an acronym that stands for stop, look, identify and manage. These four categories – if covered before the job starts and if discussed during the hazard analysis portion of the job – will go a long way toward keeping you and your co-workers safe during the job. Following is a brief breakdown of each of the four categories.

- **Stop:** Engage your mind before your hands. Visualize the task and be sure you understand what needs to be done before you start working.
- **Look:** Carefully observe your work location to find any hazards.
- **Identify:** Point out the effects that the hazards could potentially have on you and your co-workers. Ask yourself if you can complete your task safely.
- **Manage:** What are the options you have to mitigate any hazards prior to the start of work, and can the crew still continue the job as planned?

If all four of these items are discussed, and there is consensus among the group, only then is it time to go to work.

Summary

It's easy not to have your head in the game in this line of work. Outside influences – such as your home life, your boss, weekend plans and the new apprentice – are distractions that can easily steal our focus. We must continue to train ourselves to stay situationally aware every single day. We need to make sure we never have our blinders on to the hazards around us. Staying situationally aware and refusing to become complacent will help you and your crew get the job done right and go home safely every time.

About the Author: Jeffrey Sullivan is a journeyman lineman at Duke Energy in St. Petersburg, Florida. He started his career over a decade ago with Public Service Company of New Hampshire, learning overhead, underground and network distribution line work. Sullivan currently participates on the statewide and local safety committees for Duke Energy in Florida.

BPA Fire IMT Daily Briefing

9/10/2020 PM

Every day we are assessing facility damage and updating restoration plan. This is executive summary for the day.

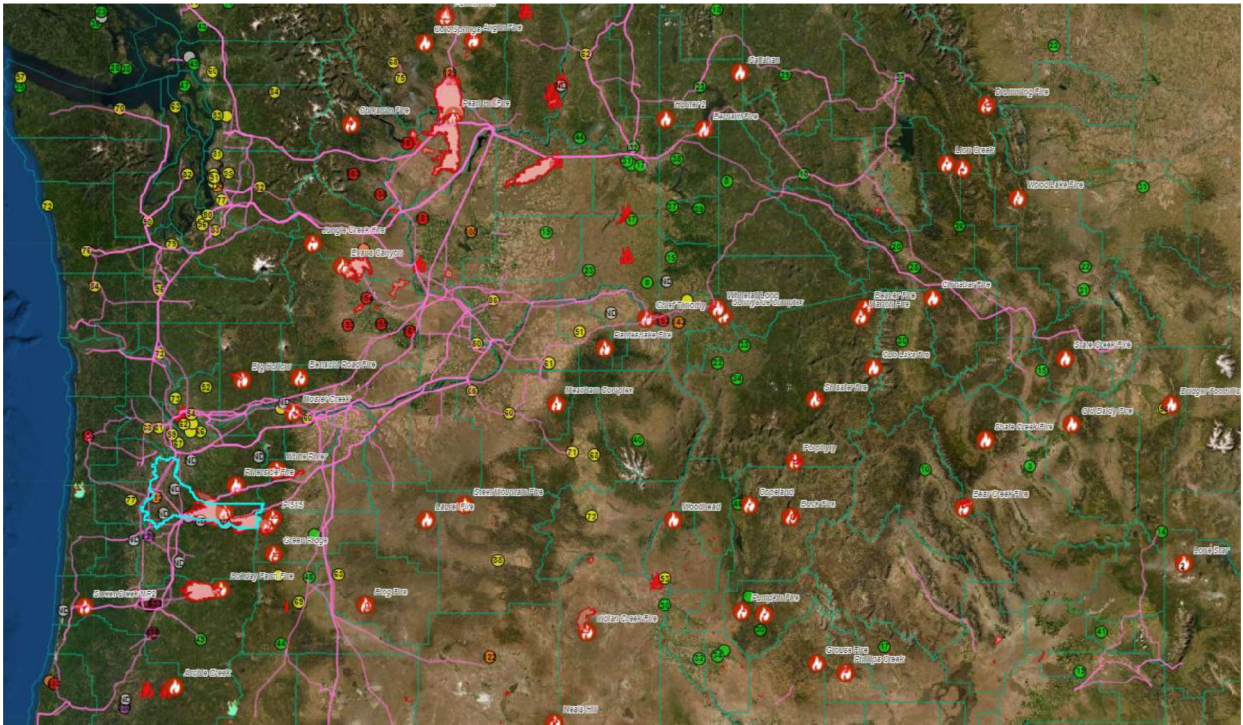
Current Concerns:

1. Safety of responders – BPA is in constant contact with field crews and actively monitoring safety (increased air quality concerns)
2. COVID 19 precautions, following current Back to Work Guidelines.
3. Fatigue – monitoring and managing the crews fatigue and adherence to the Extended Work Hour Policy.
4. Lodging – due to evacuations and first responders, lodging is difficult to find and may become an issue. So far keeping up.

Northwest Fire Weather Summary:

We are actively monitoring local fires and will be updating maps/status reports to reflect current status. Current report out are the most priority for system impacts at this time.

System View with Fires:



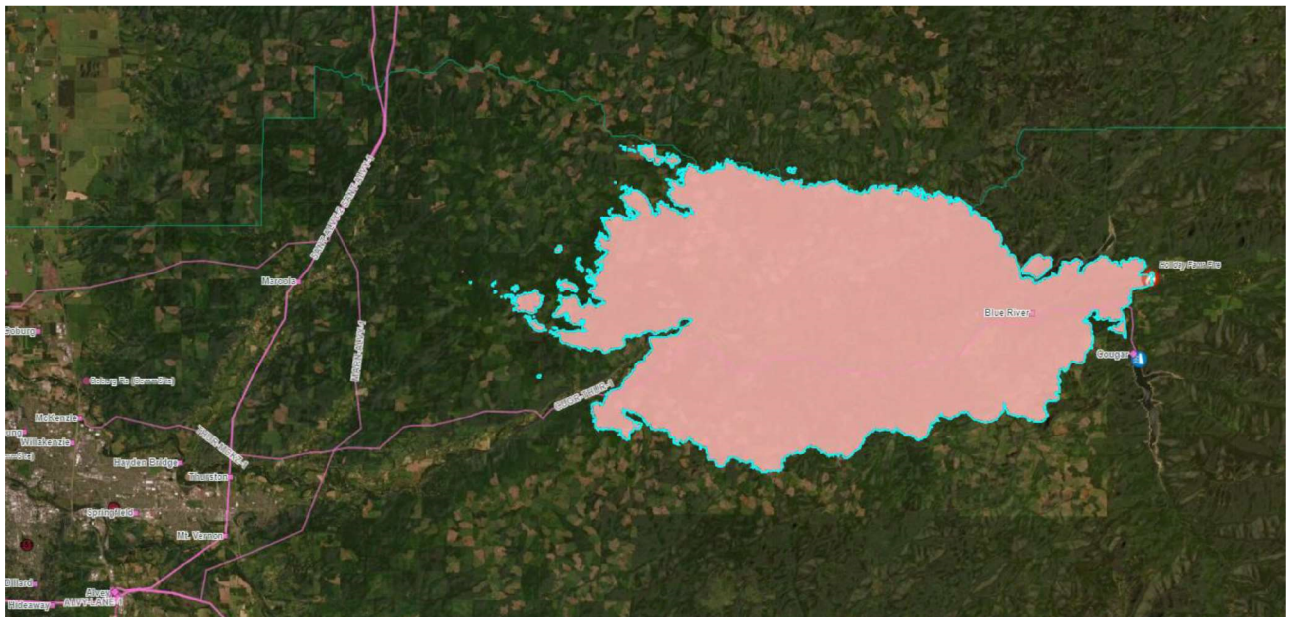
Oregon Fires: Two areas of focus for the South Operations Section

#1 Santiam Canyon Fire (Beachie Creek Fire & Lionshead Fire merged, now called Santiam Canyon Fire)



Counties Impacted: Clackamas, Marion, Jefferson, & Linn

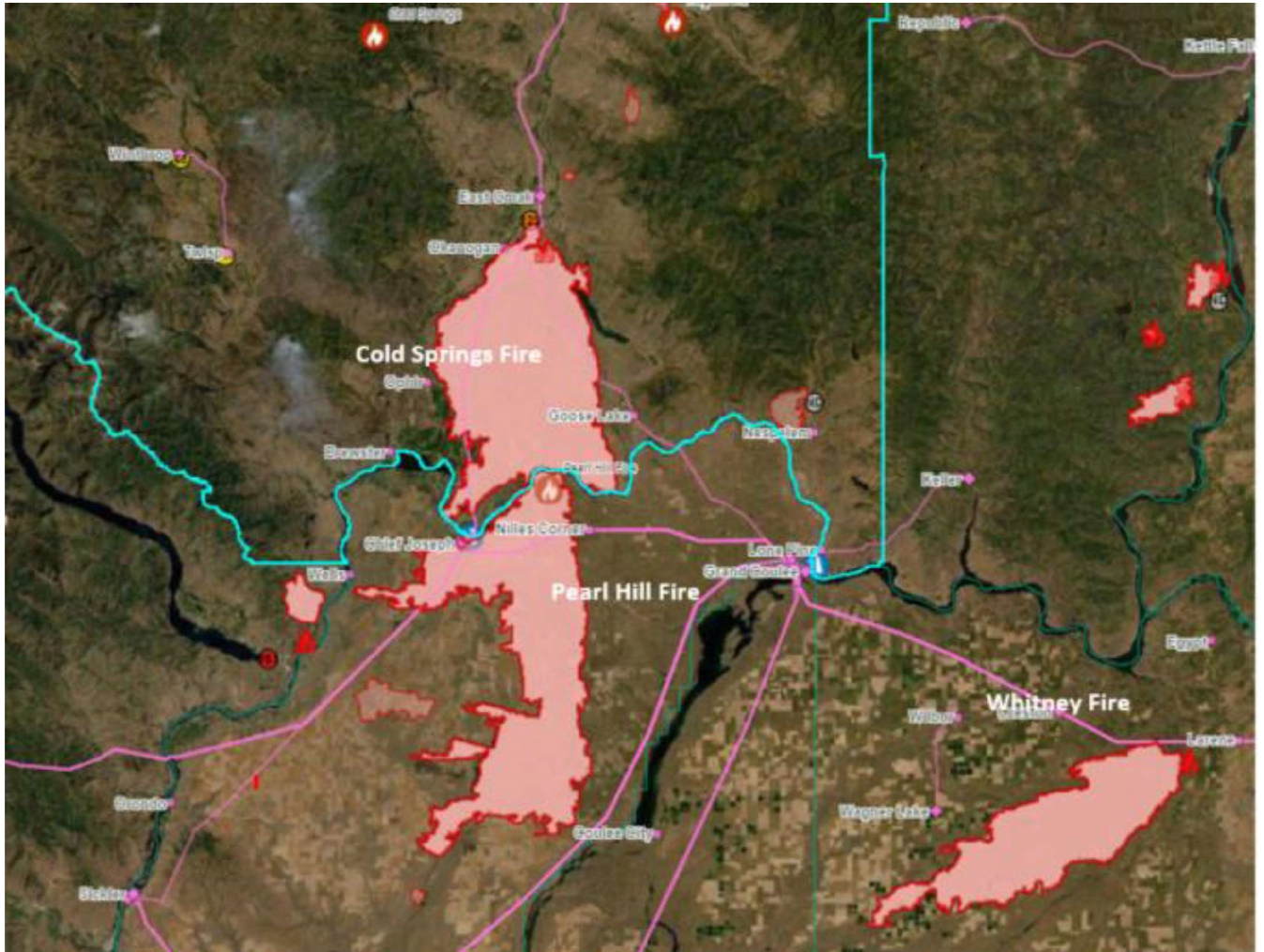
Oregon Fires: # 2 Holiday Farm Fire



Winds moving Westward

Counties Impacted: Lane County, BPA Line: Cougar-Thurston No. 1, Substation nearby: Cougar

**Washington Fires: North Operations Section Focus on Chief Joe Area -Fiber Restoration as top priority
Cold Springs, Pearl Hill and Whitney Fires**



Cold Springs Fire: 162,830 + acres and **Pearl Hill Fire:** 174,571+ acres

Counties Impacted: Douglas, Chelan, Okanogan

Powerhouse: Chief Joseph CJPH

Substations nearby:

1. Chief Joseph
2. Foster Creek FSTC & FOST,
3. Nilles Corner NICO,
4. Goose Lake

Whitney Fire: 102,924+ acers

Counties impacted: Lincoln

Substations nearby:

1. Creston CRES
2. Larene LREN
3. Wagner Lake WAGL
4. Wilbur WILU

System priorities: as of 1730 from Rob Schoenberg

South Region

1. Marion Substation (Stayton, OR area) - is currently greatest concern. Crews have completed a fire break. There is a 24 hour fire watch with report out three times a day. Current reports of heavy smoke with no flames visible in any direction. A water tanker on site. Fire crew is not present but available when needed. Loss of multiple 500 lines will result in load shedding in Oregon. Dispatch is working with other utilities to create load shed plan for contingency plan. Additionally creating contingency plan for Fiber Optic break. We are in constant communication with the Fire IC.
2. Jones Canyon-Santiam #1 230kv line (out of service)
 - a. Out of Service 0536 9/8
 - b. Fire in area limiting ability to travel
 - c. Tumble Creek POD OOS
 - d. Hall Mt. Radio station at risk of fire
 - e. Forces out Buckley Station Service
 - f. Forces out/limits multiple wind generation
 - g. Priority #1 for Salem crews
 - h. Patrols to continue tomorrow from Jones Canyon-Tumble Creek section if conditions allow
3. Request for North Bend TLM to patrol the Bandon-Rogue 115kv line, Fairview-Rogue 230kv line, and the Reedsport-Fairview #1 115kv line near the Lakeside tap, due to reports of fire.

North Region

1. Grand Coulee-Chief Joseph No 1&2 230kv lines (Fiber break #1 Priority, Lines #2)
 - a. Out of service 0727 9/7
 - b. Reason out of service: 11 structures down
 - c. Points of Delivery out – no points on this line
 - d. Does it cause any ill effects on system? – Fiber optic repairs needed asap
 - e. Priority for restoration - fiber is considered #1 priority
 - f. Plan for restoration – (See restoration plan below)
2. Grand Coulee-Foster Creek No 1 115 kV line (primary Station Service source to Chief Joseph 500kv yard)
 - a. Chicken Creek – Foster Creek – Nilles Corner
 - b. Lines down- Multiple structures down between Nilles and Foster Creek
 - c. Nespelem POD – not sure of customer ability to receive load yet
 - i. Chief Joe SS is fed from here
 - d. Priority job for north crews is Chief Joe SS
 - e. Clearances issued and work planned to complete tomorrow
 - f. Dispatching is in agreement if crews are pulled off this line to assist with fiber work and then resume work to restore Chief Joseph SS after fiber splices have been made

Station Service

Buckley remains on engine generators for Station Service power (SS is fed from Jones Canyon-Santiam #1 230kv line). Fuel needs have been addressed.

Fiber Break Priority: Risk/Impacts/Restoration Plan



Risk due to Fiber Break on GCOU-CHJO 230KV #2 on 09-07-2020

09-02-2020: Fiber went into alarm. Investigation revealed fiber degradation between SHUL and SCLR. Due to declared Restricted Maintenance Operation (RMO), repair of this 'Partial Break' was postponed as the in-use (lit) fibers seems to be within spec & stable with no physical damage located.

09-07-2020: During Wind/Fire Storm, the Fiber between CHJO and GCNC broke multiple places due to structure failure (poles burn down):

- All critical operational traffic rerouted.
- The Partial Break had further degraded: The lit fibers are OK and not-in-use (dark) fibers have severely degraded.
- Fire was also threatening the fiber between GCFI and MCC.

09-07-2020 to Current:

- Various fires have, at various times, threatened the fiber between SHUL & COUL and between GCFI & MCC.
- The partial break had further degraded:
- Lit fibers are attenuated, but still usable (we are running on them)
- The dark fibers have failed.
- A burnt pole with known existing fiber damaged was discovered to have new physical cable damage between SCLR and CHJO:
- It is carrying the operation traffic with no alternate route.
- So, the extent of this damage is unknown,
- And we are not testing (disturbing) it until the other side is fixed.

System Impacts due to Fiber Break on GCOU-CHJO 230KV #2 on 09-07-2020

Currently all critical operational traffic is rerouted, but there is no redundancy. If a second failure happens (loss of power, electronics, or another fiber break anywhere on this system) up to 650 communications and control circuits will be lost. The most critical (~253) of these circuits (RAS, TT, and SCADA) were provided to the Tech Staff. Their preliminary analysis of loss of this sub-set of circuits would result in:

- The loss of ability to arm Gen Drop at Grand Coulee, Chief Joseph and Wells will likely limit the NWACI and PDCI limits as follows:
 - NWACI TTC limit will go from 4800MW down to 3000MW, actual flow is currently 3002MW
 - PDCI TTC limit will go from 3210MW down to 2100MW, actual flow is currently 1574MW
- Removing the Grand Coulee-Schultz #1&2 500kv lines due to no MWTT and CHJO-SNOH & RKYR-MPLV operating at 230kv will limit NOH and WOCN as follows:
 - NOH N-S TTC limit will go from 4050MW down to 3769MW, actual flow is currently is 847MW
 - WOCN TTC limit will go from 8383MW down to 7443MW, actual flow is currently 3425MW
- Failure of DCB RAS, so BPA will only be running on the DCA RAS.
- Having to man 14 Sub-Stations due to loss of SCADA control from both Control Centers.
- Running WM RAS from MCC instead of DCC.
- Manual care and feeding of the RAS/IPS Schemes.
- Additionally: Not being able to use Grand Coulee and Chief Joseph will impact Hydro Duty.

Restoration Plan due to Fiber Break on GCOU-CHJO 230KV #2 on 09-07-2020

- Currently multiple TLM Crews on Site focused on fiber functionality
 - Final rebuild will happen later
- All crews focused on fiber restoration to have operational traffic back in service by:
 - EOD 09-12-2020 best case
 - EOD 09-14-2020 worst case
- Estimated time frames take into account all required coordination between all parties (i.e TLM, PSC, CC, etc).

- Safety & Health
 - Safety is priority #1
 - Working at safe pace
 - Managing fatigue and ensuring relief periods
 - COVID precautions
 - Social distancing / masks / self-assessments
 - Limited crew to crew interaction

Full Summary of Outages: as of 1730 from Rob Schoenberg

1. Grand Coulee – Chief Joseph #2 230 KV Line
 - a. Out of service 0727 9/7
 - b. Reason out of service: 11 structures down
 - c. Points of Delivery out – no points on this line
 - d. Does it cause any ill effects on system? – fiber optic repairs needed asap
 - e. Priority for restoration - fiber is considered #1 priority
 - f. Plan for restoration – crews will start today, only poles needed to string fiber, fiber to stay in travelers so it can be lit up ASAP
2. Grand Coulee – Chief Joseph #1 230kV line
 - a. Out of service 0727 9/7
 - b. Reason out of service: Lines down
 - c. Points of Delivery out – no points on this line
 - d. Does it cause any ill effects on system? - no
 - e. Priority for restoration- Lowest priority in region
 - f. Plan for restoration – TBD
3. Grand Coulee – Foster Creek No 1 115 kV line
 - a. Chicken Creek – Foster Creek – Nilles Corner
 - b. Lines down- Multiple structures down between Nilles and Foster Creek
 - c. Nespelem POD – not sure of customer ability to receive load yet
 - i. Chief Joe SS is fed from here
 - d. Priority #2 job for north crews is Chief Joe SS
4. Grand Coulee – Okanogan #2 115kV line
 - a. Goose Lake – Okanogan section OOS
 - b. Lines down?
 - c. No Points of Delivery (POD) out of service
 - d. Priority is below fiber and below chief jo SS and nespelem
5. Brewster – Foster Creek (TOP line)
 - a. North Bar POD OOS 0345 9/8
 - b. Just listed here as they loop through our system
6. Okanogan PUD Okanogan to Ophir is OOS (feeds into Brewster)
7. Marion sub
 - a. Fire protection of substation
 - b. All 500 lines in service but corridor continues to be threatened
 - c. Loss of multiple 500 lines will result in load shedding in Oregon

- d. 500 kV corridor pictures available
- 8. Jones Canyon – Santiam #1 230 KV line
 - a. Out of Service 0536 9/8
 - b. Patrolled on ground from Santiam to Tumble Creek and looks OK – fire beyond tumble creek – and extensive damage around the line – hoping to fly again tomorrow
 - c. Tumble Creek POD OOS
 - d. Hall Mt. Radio station at risk of fire
 - e. Forces out Buckley Station Service
 - f. Forces out/limits multiple wind generation
 - g. Getting this line in service is high priority but it needs to be patrolled beyond Tumble Creek
- 9. Detroit – Santiam 230 KV Line
 - a. Out of Service 0029 9/8
 - b. Reports of significant damage to line
 - c. Forces out Big Cliff and Detroit PH
 - d. Same corridor as Jones Canyon - Santiam
- 10. Cougar – Holden Creek (some TOP, some ours)
 - a. Forces out Cougar PH, Trailbridge and Carmen Smith generation
 - b. Blue River POD for Lane electric is OOS on this line
 - c. EWEB line and they have reported a tree in it
 - d. Pictures and damage report from helo available was flown from Cougar to Blue River – hope to fly Blue River down to Holden Creek tomorrow
- 11. Forest Grove – Tillamook #1 115 KV Line
 - a. South Fork – Tillamook section OOS
 - b. 2nd level priority for south crews
 - c. Being worked on 9/9
- 12. Tillamook – Astoria No 1 115 KV Line
 - a. Our terminal still OOS, PACW trouble to Garibaldi
 - b. All POD's are energized
 - c. PACW picked up a terminal clearance today to work on it
- 13. Reedsport – Fairview – there was a fire today under 8/5 that is now extinguished but inspection will be necessary
- 14. Radio sites on Engine Generators (EG)
 - a. Lowell Butte (Lane Elec) 0116 9/8
 - b. Thunder Ridge (Rocky Mountain Power) 0106 9/8
 - c. Hall Ridge (has solar)
 - d. Scott Mountain
 - i. Fed from Douglas – they report burned up junction box and underground feeder – fire still in area 9/9/PM
- 15. Substations without Primary Station Service (SS)
 - a. Buckley on EG – district has refueling plan – comes from Jones Canyon - Santiam
 - b. Dworshak on EG – district has a refueling plan – comes from Clearwater power
- 16. Lost Creek Generation – out of service due to PACW line trouble
- 17. PACW issues

- a. PACW Tillamook B-1093 for Tillamook – Garibaldi section of Tillamook – PACW Astoria OOS 2250 9/7 Multiple trees in line from Tillamook out. All PODs in service
18. PGE issues
- a. Bethel – Round Butte OOS 2114 9/7 - this has effect on load dropping plans
19. For Reference – not associated with storm – Schultz Raver 3 and 4 lines get removed from service nightly for voltage control
20. Points of Delivery Summary list
- a. Foster Creek Nespelem Valley feeder 1 (includes chief joe SS and 2 other feeds)
 - b. Carmen PH EWEB feeder 1 (on Cougar line)
 - c. Blue river Lane Electric feeder 1 (on Cougar line)
 - d. Tumble creek consumers power feeder 1 (off of Jones Canyon line)

Restored:

1. Pearl-Marion #1 500 KV line, has been restored.
2. The Hills Creek-Lookout Point #1 115 KV has been restored.
3. North Bonneville-Troutdale #1 230 KV line, has been restored.
4. John Day – Marion #1 500 kv line has been restored.
5. Santiam consumers power feeder 1 (Marion SS) has been restored.
6. John Day-Marion #1 500kv line restored at 1345 9/9.
7. South Fork-Tillamook section of Forest Grove-Tillamook #1 115kv line, line section has been repaired and restored 9/9.
8. Hills Creek-Lookout Point #1 115kv line restored at 1009 today, will remain I/S tonight unless LEC opens feeders at Oakridge again 9/9.
9. Buckley and Dworshak Substation Service restored 9/9.
10. Jones Canyon-Santiam #1 230kv line, Tumble Creek-Santiam section restored 9/10 at 1228.
21. South Fork-Tillamook section of Forest Grove-Tillamook #1 115kv line, line has been repaired and restored to service 9/10 at 1645.
22. Grande Ronde-Boyer #1 115kv line section relayed O/S last night and was patrolled, nothing found, line was ready for service waiting on PACW to patrol their line. Restored to service 9/10 at 1742.

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BPA Situation Report

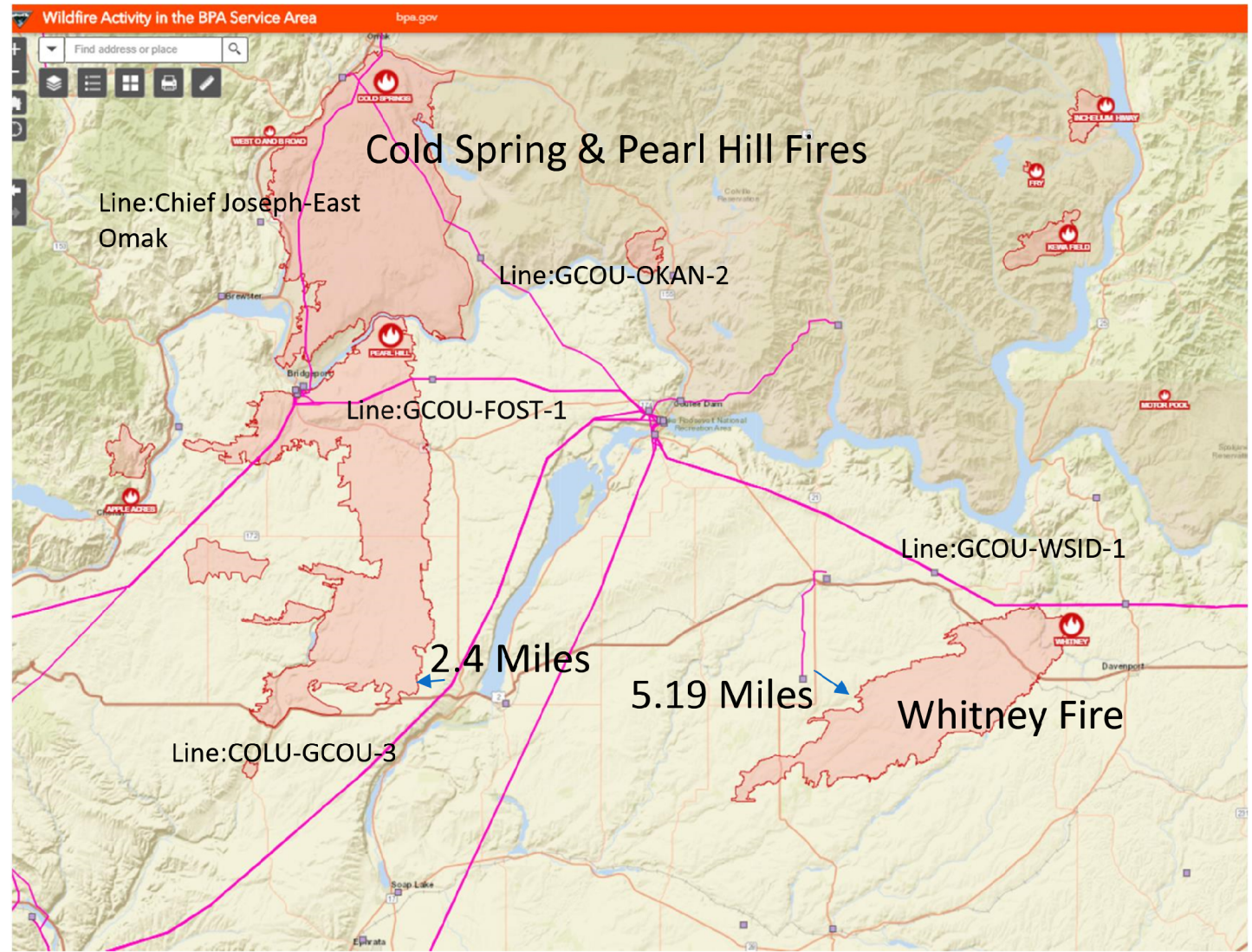
BPA Washington Fires

Cold Spring & Pearl Hill Fires

- Acres Burned: 356,310+
- Counties impacted:
 - Douglas
 - Chelan
 - Okanogan

Whitney Fire

- Acres Burned: 102,924 +
- Counties impacted:
 - Lincoln



BPA Situation Report

BPA Oregon Fires

Riverside Fire

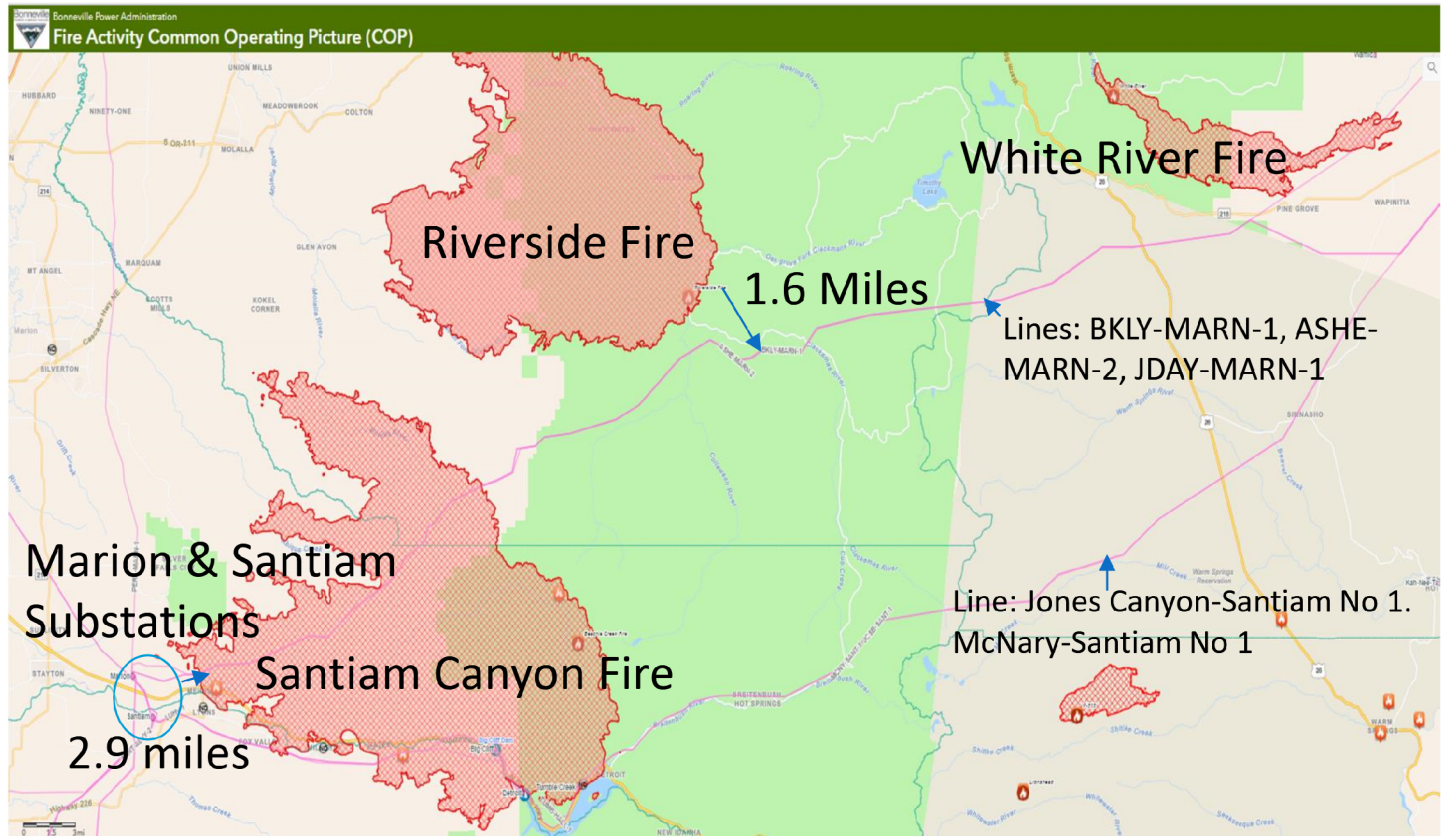
- Acres Burned: 112,885+
- Counties Impacted:
 - Clackamas

White River Fire

- Acres Burned: 17,412+
- Counties Impacted:
 - Wasco

Santiam Canyon Fire

- Acres Burned: 287,445+
- Counties Impacted:
 - Clackamas
 - Marion
 - Linn

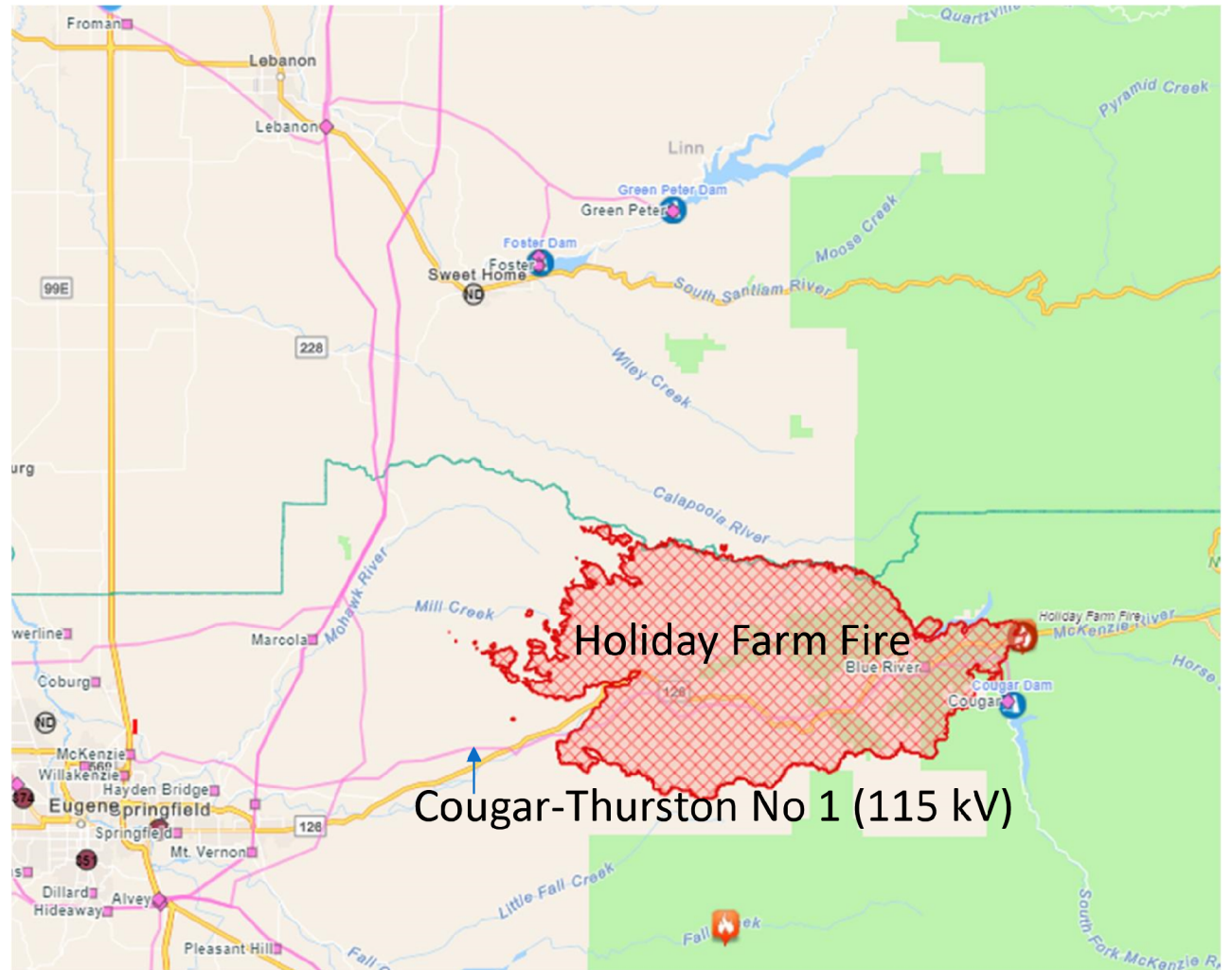


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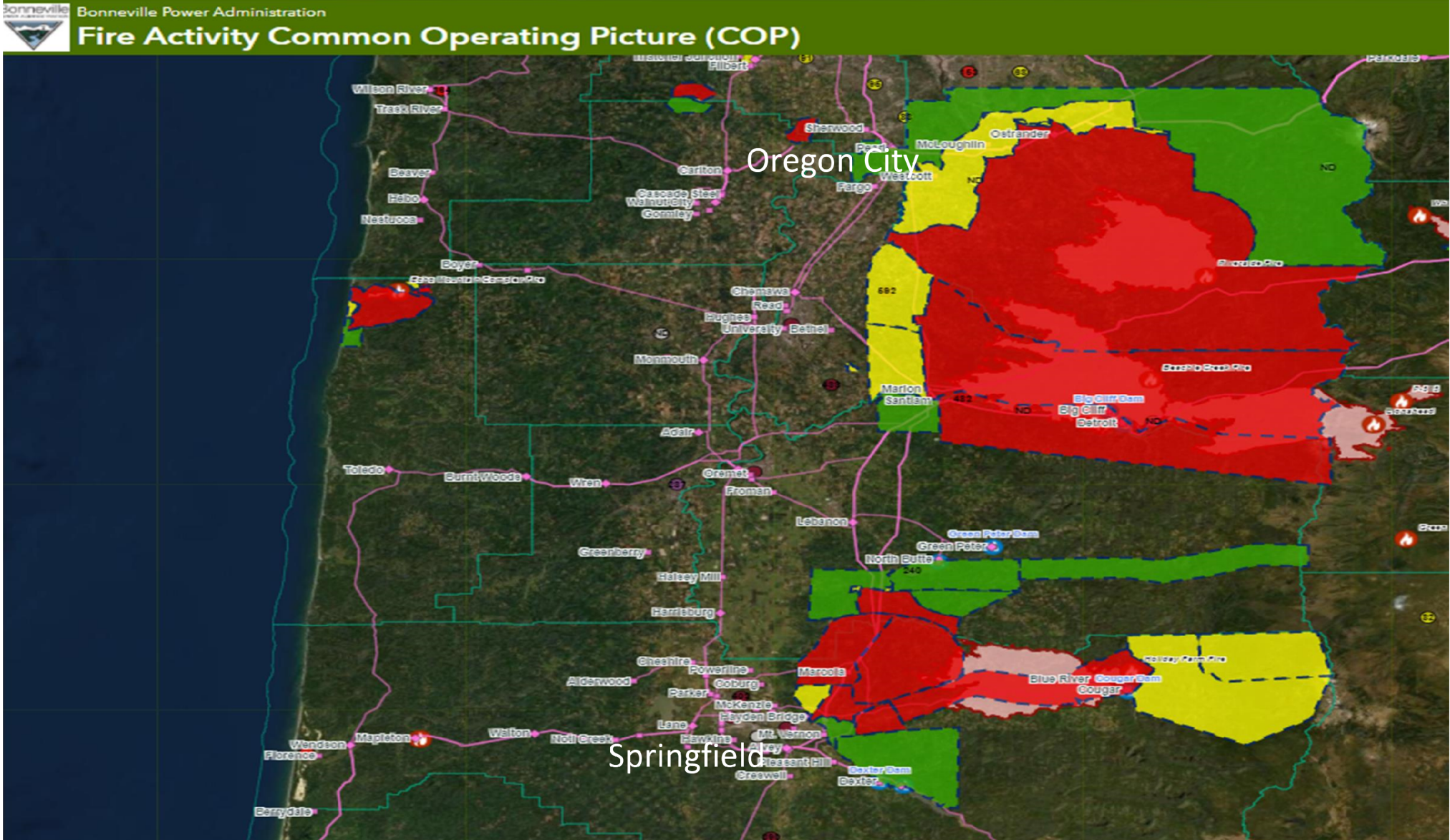
BPA Oregon Fires

Holiday Farm Fire

- Acres Burned: 105,523+
- Counties Impacted:
Lane



Oregon Evacuation Zones



INCIDENT BRIEFING (ICS 201)

1. Incident Name:

Summer 2020 Fire-Wind IMT

2. Incident Number:

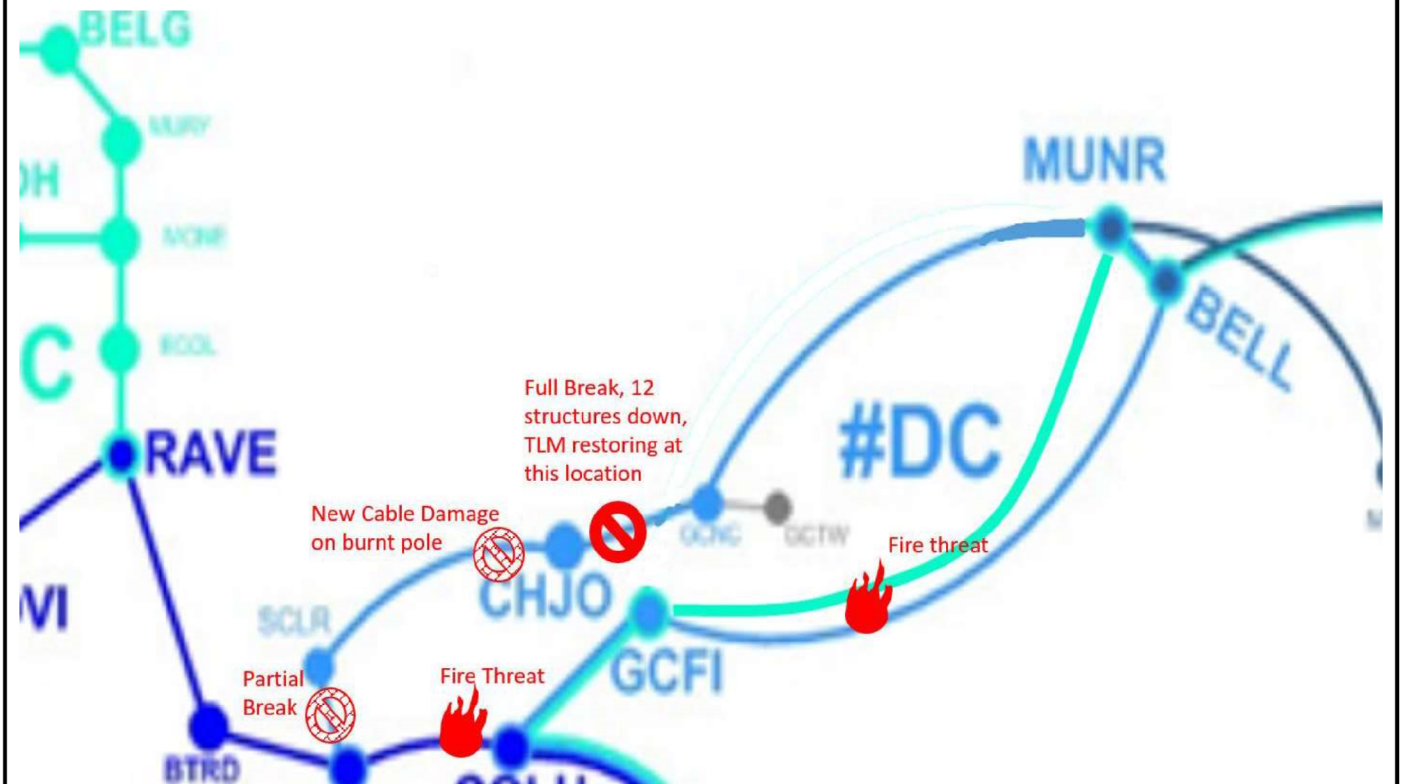
20-503

3. Date/Time Initiated:

09/11/20 for 1000 Incident Briefing

4. Map/Sketch as of 09/10/20

Risk due to Fiber Break on GCOU-CHJO 230KV #2 on 09-07-2020: See pptx in email (from 9/10 PM IMT Briefing) for additional talking points.



ArcGIS Current Wildfire Activity/BPA Facilities link:

<https://bpagis.maps.arcgis.com/apps/webappviewer/index.html?id=fb81198b2f7c4f4b87d83646ee20254a>

Northwest Fire Weather Summary:

We are actively monitoring local fires and will be updating maps/status reports to reflect current status. Current report out are the most priority for system impacts at this time.

NEW! See pptx attached in email for more detailed info on current fire status and evacuation zones

WSDOT ALERT (as of 0810): I-5 southbound CLOSED at Oregon/Washington Border – Interstate Bridge due to crash at Marine Drive in Oregon

DATE/TIME: Sept. 11, 2020 – 9:15 a.m.

LOCATION: I-5 southbound at Oregon/Washington Border – Interstate Bridge - Clark County

DESCRIPTION: All southbound lanes of Interstate 5 at the Interstate Bridge are CLOSED due to a collision just south of the I-5 Bridge, at Marine Drive, in Oregon. All travelers wishing to continue south into Oregon

will be rerouted to State Route 14 and on to I-205 southbound. Emergency crews are on scene working as quickly and safely as possible to clear the roadway. At this time there is no estimate for when all lanes of southbound I-5 will reopen. Travelers should avoid the area and expect long delays.

START: Sept. 11, 2020 – 8:10 a.m.

END: Unknown

CONTACT: Tamara Greenwell, 360-905-2056

5. Situation Summary and Health and Safety Briefing

Current BPA Status:

BPA is in Phase 3, We are currently set to transition to Pandemic Response Level 2-A on Sept. 14.

Summer 2020 Fire-Wind Incident Management Team (IMT)

Currently Tracking

- Outages
- Point of delivery in/out of service
- Customer Impacts
- Facilities Damage Assessment
- Resource Needs (crews, materials, equipment, hotels, etc.)
- Communications plans and report out structure
- Active Fire Status - Summary

Safety Message:

We are in constant contact with field crews and actively monitoring safety (increased air quality concerns). N-95 Masks are being made available through the warehouse.

Front office message recap:

Life safety is the only priority for our workforce when faced with fire danger. Evacuate yourself and family. After you and those around you are safe, we can turn our attention to administrative details.

Safety is a 24/7 operation. We're facing an unprecedented situation with the current fires. Some of our employees and teammates are evacuating their homes on short notice and in the frenzy it's easy to lose visibility on our most important asset – our people. To help with this, we're implementing accountability procedures to ensure we know who has evacuated, and may not be available, and who has not evacuated. We want to confirm our coworkers are safe wherever they are. –see message from COO 9/11/20.

We need to remain vigilant with monitoring fatigue, relief and safety of our employees. When evaluating and determining priority of the work, consider the number of people and make up of crews required and to minimize COVID-19 exposure for our field crews. We have the extra complexity of managing this emergency and the pandemic at the same time.

Face coverings are still requirements that are a critical control measure proven to reduce the spread of COVID-19. COVID-19 affects individuals differently and can be spread by someone who appears absent of any outward symptoms (asymptomatic). We have already seen this at BPA and entire workgroups have been affected. For that reason - be diligent in reinforcing social distancing and the wearing of face coverings – employees MUST NOT come to work when feeling sick. All members of the workforce are required to complete the daily [self-evaluation checklist](#).

INCIDENT BRIEFING (ICS 201)

1. Incident Name: Summer 2020 Fire-Wind IMT	2. Incident Number: 20-503	3. Date/Time Initiated: 09/11/20 for 1000 Incident Briefing
7. Current and Planned Objectives: September 11, 2020		
<u>Management Objectives</u>		
<ol style="list-style-type: none"> 1. Continue to maintain and evolve situational awareness, manage the incident, monitor trigger points, and run critical operations with the safety and health of the employees as the top priority. <ol style="list-style-type: none"> a. Monitor and track current outages, as well as what has been put back in service b. Monitor and track current fire activity and impacts to our system, customers and people c. Provide consistent, relevant, and timely internal and external communications d. Follow Extended Work Hour Policy – Plan for 14 hour limit e. Follow BPA Back to Work Guidelines 		
<u>Operational Objectives</u>		
<ol style="list-style-type: none"> 2. Transition plan being developed for shift into larger Agency IMT 3. Development of single source for lines/facilities impacted, condition of lines/facilities, priorities for restorations, crew summary, expected plan, customer impacts, etc. Summary of information we have been collecting to date. 4. Focus on assessment 		
<i>Objectives were approved by Garrett Rehbein, Incident Commander at X time on X day.</i>		
8. Current and Planned Actions, Strategies and Tactics:		
Time:	Actions:	
Wed 9/10		
0530 - 0630	Daily Operations Section Chiefs/Dispatch Plan and Priority Meeting	
1000 - 1100	Daily Morning IMT Incident Briefing –Plan for the day	
1300-1400	Daily TF Core team check in -	
1800 - 1900	Daily Afternoon IMT Incident Briefing –Wrap up for the day	
1900	Send Executive Briefing	

INCIDENT BRIEFING (ICS 201)

1. Incident Name:

Summer 2020 Fire-Wind IMT

2. Incident Number:

20-503

3. Date/Time Initiated:

09/12/20 for 1000 Incident Briefing

9. Current Priorities Dispatch/Operations:**As of 09/11/20 0640 – Rob S.**

Salem/Chemawa

1. Jones Canyon-Tumble Creek section of Jones Canyon-Santiam #1 230kv line, Chemawa Crew has patrolled all they can due to fires on days off until Monday, available if needed

Detroit-Santiam #1 230kv line restored yesterday evening Detroit powerhouse has unit #2 on-line generating 35MW

**** The fire threatening Marion substation remains the biggest concern****

Grand Coulee

1. Fiber break on Grand Coulee-Chief Joseph #2 230kv line
2. Line work on Grand Coulee-Chief Joseph #1&2 230kv lines
3. Grand Coulee-Foster Creek #1 115kv line, primary Station Service source to Chief Joseph 500kv yard, Dispatching is in agreement if crews are pulled off this line to assist with fiber work and then resume work to restore Chief Joseph SS after fiber splices have been made

At 0127 this morning we had a Relay/Reclose on the Grand Coulee-Hanford #1 500kv line, it was an A-phase fault with a FLAR fault location of 5.8 miles from Grand Coulee, TLM to patrol this morning

Buckley remains on engine generators for Station Service power (SS is fed from Jones Canyon-Santiam #1 230kv line)
. Fuel needs have been addressed

When time permits, request North Bend TLM Patrol the Bandon-Rogue 115kv, Fairview-Rogue 230kv and Reedsport-Fairview #1 115kv line near the Lakeside tap due to reports of fires.

INCIDENT BRIEFING (ICS 201)

1. Incident Name: Summer 2020 Fire-Wind IMT	2. Incident Number: 20-503	3. Date/Time Initiated: 09/11/20 for 1000 Incident Briefing
10. Resource Contact List:		

POSITION	NAME	PHONE	EMAIL
INCIDENT COMMANDER	GARRET REHBEIN	WORK CELL: (b)(6)	GDREHBEIN@BPA.GOV
NORTH OPERATIONS SECTION CHIEF	STEPHAN SCHILDT	CELL #: (b)(6) (WORK) (b)(6) (PERSONAL)	SJSCHILDT@BPA.GOV
SOUTH OPERATIONS SECTION CHIEF	ROB ROBERTSON	PERSONAL: (b)(6) WORK: 360-635-8237	RKROBERTSEN@BPA.GOV
EAST OPERATIONS SECTION CHIEF	MIKE MCCRACKEN	PERSONAL CELL: (b)(6) WORK CELL: (b)(6)	MAMCCRACKEN@BPA.GOV
PLANNING SECTION CHIEF	NATE SEABURY	WORK CELL: (b)(6)	NJSEABURY@BPA.GOV
LOGISTICS SECTION CHIEF	BRANDEE SHOEMAKER	WORK CELL: (b)(6)	BRSHOEMAKER@BPA.GOV
PUBLIC RELATIONS SECTION CHIEF	MIKE HULL	WORK CELL: (b)(6)	MJHULL@BPA.GOV
PUBLIC INFORMATION OFFICER	DOUG JOHNSON	WORK CELL: (b)(6)	GDJOHNSON@BPA.GOV
FIBER RESTORATION/PSC COORDINATOR	FRED BRYANT	WORK CELL: (b)(6)	FABRYANT@BPA.GOV
DISPATCH COORDINATION	STEVE FELKER	WORK: 509-822-4660	SDFELKER@BPA.GOV
DISPATCH COORDINATION	ROB SCHOENBERG	LAND LINE (360) 666-1407 CELL CALL/TEXT (b)(6) CELL CALL/TEXT (b)(6)	RDSCHOENBERG@BPA.GOV
DISPATCH COORDINATION	BRENT KINGSFORD	WORK CELL: (b)(6)	BEKINGSFORD@BPA.GOV
LIAISON OFFICER	MARYBETH O'LEARY	(b)(6)	MSOLEARY@BPA.GOV
SAFETY OFFICER	JAMES BEASLEY	(503) 320-7349	JWBEASLEY@BPA.GOV
PLANNING AND EVALUATION COORDINATION	NEVA ALLEN	WORK CELL: (b)(6)	NJALLEN@BPA.GOV
LOGISTIC SUPPORT	SHARON KROON	WORK CELL: (b)(6)	SLKROON@BPA.GOV
-SOUTH TRAVEL	MICHELLE BURTON	WORK: 360-418-2253	MDBURTON@BPA.GOV
-EAST TRAVEL	ROSE BORN	WORK: 509-468-3003	RMBORN@BPA.GOV
-NORTH TRAVEL	BRENDA BRENNIS	WORK: 360-563-3694	BCBRENNIS@BPA.GOV
-MATERIALS	MICHAEL WARE	WORK CELL: (b)(6)	MKWARE@BPA.GOV
SITUATION UNIT LEADER	JANEAN CANTWELL	503-230-3730	SITL@BPA.GOV



Bonneville Power Administration

Wildfire Smoke Exposure Program

Version 1

10/29/19

Program Manager: Director of Corporate Safety (NFO)

Approved by: *Jennifer Rehbein* **Date:** 05/04/20

Unique ID: 420-203



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1. Introduction

1.1 Background

Smoke from wildfires is comprised of many components, including particulates small enough to enter the lungs. The Air Quality Index (AQI) considers the amount of particulates contained in the smoke and helps to identify stages where we must consider strategies to mitigate health issues while at work or at home.

1.2 Purpose

The purpose of this program is to establish guidance that managers shall consider prior to assigning employees to work in areas where smoke from wildfires is present.

1.3 Applicability/Scope

This program applies to all BPA Employees. Supplemental labor personnel and other contractor requirements are contained within applicable contract documents and are managed and implemented by the appropriate Contracting Officer.

1.4 Term, Definitions and Acronyms

Air Quality Index (AQI): The AQI is a measurement of air quality (including particulate concentration) that indicates how clean or polluted the air is using standard descriptors (Good, Moderate, Unhealthy for Sensitive Groups, Unhealthy, Very Unhealthy and Hazardous).

Center for Disease Control (CDC): The CDC is a Federal agency that conducts and supports health promotion, prevention and preparedness activities in the United States, with the goal of improving public health.

Hierarchy of Controls: A list of control measures, in priority order that can be used to eliminate or minimize exposure to hazards.

National Institute of Occupational Safety and Health (NIOSH): NIOSH is the United States federal agency responsible for conducting research and making recommendations for the prevention of work-related injury and illness.

1.5 Authorizing Policies

This program is authorized by BPA Policy 420-1 Occupational Safety and Health.

1.6 Roles and Responsibilities

A. Supervisor and/or Front line Leader: Supervisors and/or front line leaders will:

- Consider the condition and safety of the employees;
- Consider the criticality of the work;
- Consider the conditions under which the employees will work.

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B. Employee: Employees will:

- Share with their supervisor and/or front line leader the responsibility of safety;
- Follow the rules applicable to the job being performed;
- Report all unsafe tools and equipment;
- Report all hazardous conditions and procedures which come to their attention.

2. Program Description

2.1 Program Goals

The objective of this program is to establish communication between employees, front line leaders and their manager prior to the commencement of work and at intervals during work in areas with potential exposure to wildfire smoke.

After determining the AQI, evaluate all tasks (especially outdoor) to define their criticality (normal, urgent or emergent).

2.2 Description

Harmful particle pollution is one of the most common air pollutants. Utilizing the AQI guide below will help reduce employee exposure and offer mitigations based on the AQI values and criticality of the work.

2.3 Process and Procedures

- A. Air Quality Index: Go to www.airnow.gov and search by zip code or by state. Local and state resources may also be consulted as long as they employ the AQI.

The list and chart below describe the AQI in more detail.

- a. Good: No impact, work as planned
- b. Moderate-Unhealthy for Sensitive Groups: Limit work through consideration of Hierarchy of Control strategies
- c. Unhealthy-Very Unhealthy: Stop work on non-critical and urgent outdoor work; Emergency outdoor work conducted using a combination of administrative and Personal Protective Equipment (PPE) controls (respiratory protection) or postponed.
- d. Hazardous: Emergency outdoor work conducted using a combination of administrative and PPE controls (respiratory protection) or postponed.

If AQI exceeds the numerical values on the chart, **stop all work** until the Safety Organization has been engaged to develop a plan.

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Air Quality Guide for Particle Pollution

Harmful particle pollution is one of our nation’s most common air pollutants. Use the chart below to help reduce your exposure and protect your health. For your local air quality forecast, visit www.airnow.gov

Air Quality Index	Who Needs to be Concerned?	What Should I Do?
Good (0-50)		It's a great day to be active outside.
Moderate (51-100)	Some people who may be unusually sensitive to particle pollution.	Unusually sensitive people: Consider reducing prolonged or heavy exertion. Watch for symptoms such as coughing or shortness of breath. These are signs to take it easier. Everyone else: It's a good day to be active outside.
Unhealthy for Sensitive Groups (101-150)	Sensitive groups include people with heart or lung disease, older adults, children and teenagers.	Sensitive groups: Reduce prolonged or heavy exertion. It's OK to be active outside, but take more breaks and do less intense activities. Watch for symptoms such as coughing or shortness of breath. People with asthma should follow their asthma action plans and keep quick relief medicine handy. If you have heart disease: Symptoms such as palpitations, shortness of breath, or unusual fatigue may indicate a serious problem. If you have any of these, contact your health care provider.
Unhealthy (151-200)	Everyone	Sensitive groups: Avoid prolonged or heavy exertion. Consider moving activities indoors or rescheduling. Everyone else: Reduce prolonged or heavy exertion. Take more breaks during outdoor activities.
Very Unhealthy (201-300)	Everyone	Sensitive groups: Avoid all physical activity outdoors. Move activities indoors or reschedule to a time when air quality is better. Everyone else: Avoid prolonged or heavy exertion. Consider moving activities indoors or rescheduling to a time when air quality is better.
Hazardous (301-500)	Everyone	Everyone: Avoid all physical activity outdoors. Sensitive groups: Remain indoors and keep activity levels low. Follow tips for keeping particle levels low indoors.

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