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Statute

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List Key Words for this report. We use these to improve search results.

Wildfire, PSPS

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825 NE Multnomah Street, Suite 2000
Portland, Oregon 97232

December 21, 2022

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Attn: Filing Center
201 High Street SE, Suite 100
Salem, OR 97301-3398

Re: RE _____—PacifiCorp's Annual Public Safety Power Shutoff Report

Pursuant to Oregon Administrative Rule 860-300-0070, PacifiCorp d/b/a Pacific Power hereby submits its Annual Public Safety Power Shutoff Report for calendar year 2022.

If you have any questions regarding this report, please contact Cathie Allen, Regulatory Affairs Manager, at (503) 813-5934.

Sincerely,

A handwritten signature in black ink, appearing to read "Matthew McVee".

Matthew McVee
Vice President, Regulatory Policy and Operations

Enclosure

Oregon PSPS Annual Report

2022

Filed in accordance with OAR 860-300-0070

Report submitted by:

Eleonore Yotsov

Director, Emergency Management

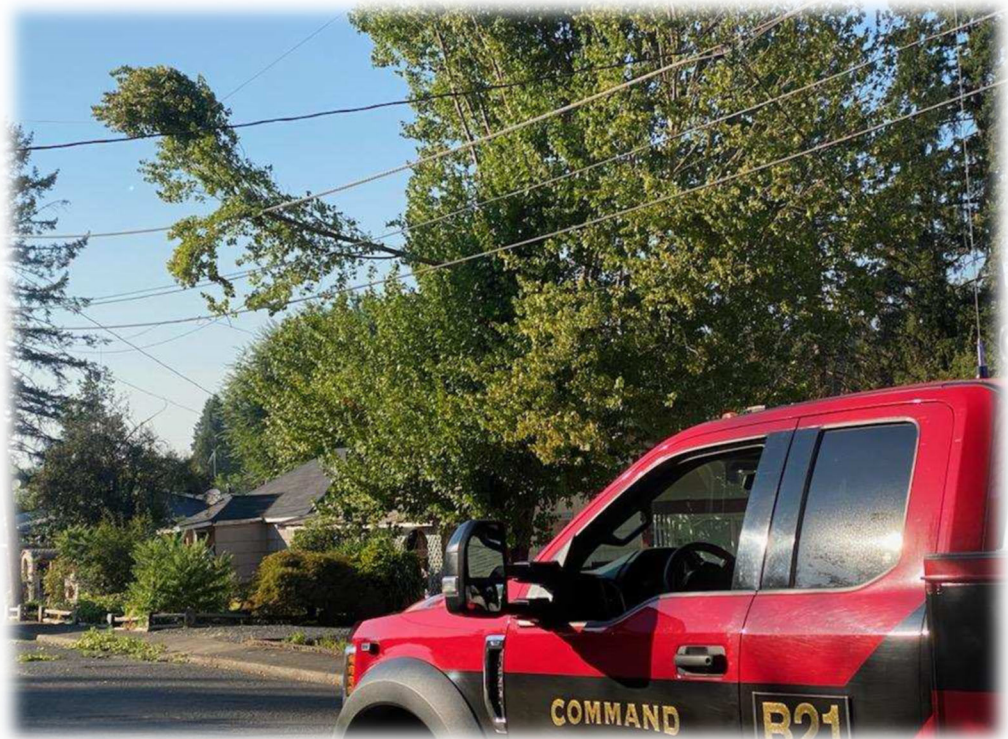


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ANNUAL SUMMARY

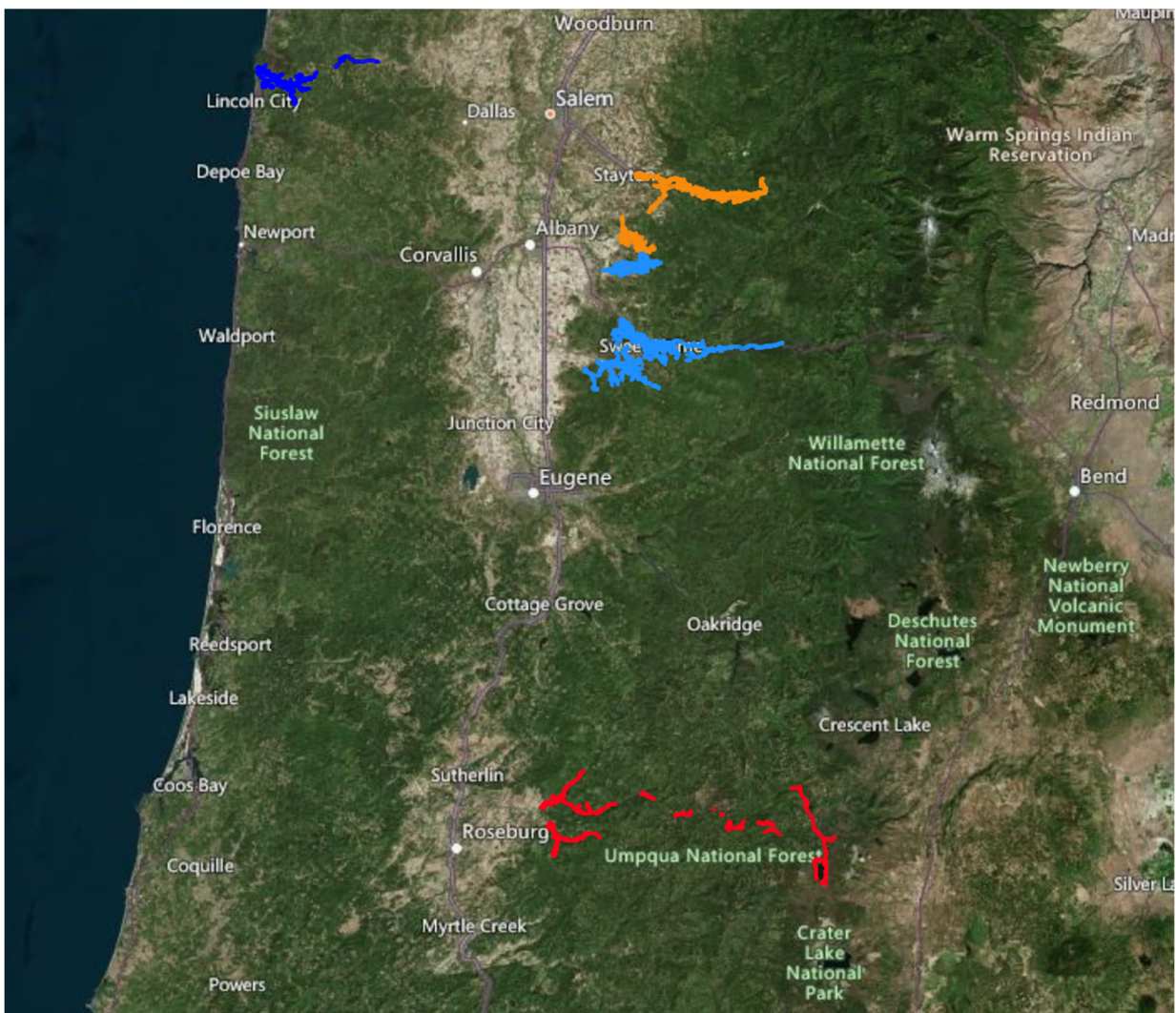
During 2022, Pacific Power executed one Public Safety Power Shutoff (PSPS) event. The company de-energized a total of 11,993 customers during the PSPS execution. All PSPS event notifications were completed within pre-established timelines and in accordance with OAR 860-300-0050. Outreach began with public safety partners 72 hours in advance and public outreach began 48 hours prior to the forecasted event, as outlined in the 2022 Oregon Wildfire Protection Plan, section 8 Public Safety Power Shutoff (PSPS) Program. Partner and customer notifications were successful each time they were conducted. A direct conduit for two-way communications with external entities through the Emergency Coordination Center (ECC), Customer Service Center, Regional Business Managers (RBMs), and Public Information Officers (PIOs) was maintained throughout the event. During the year a total of three Community Resource Centers (CRCs) were deployed to support the one PSPS activity, and all locations were used by customers for local support during the event.

SEPTEMBER 9, 2022, PSPS EVENT

On September 6, 2022, a PSPS Watch was issued for areas in Lincoln, Linn, Douglas, Tillamook, and Polk Counties in Oregon due to extreme fire risk conditions. Worst case scenario showed the potential for 14,598 customers to be de-energized on 21 circuits. A stakeholder briefing was conducted with the local emergency managers to discuss PSPS, messaging, CRCs, and other response actions 72 hours prior to the event.

AFFECTED AREA

The forecasted affected area was primarily rural areas of five counties as shown on the map below:



RESPONSE

Upon internal identification of a weather forecasts which showed the potential of PSPS actions Pacific Power activated its ECC and Transmission and Distribution (T&D) Department Operations Center (DOC) to provide command and support of the event. Through the ECC all outreach activities and any supporting capabilities were managed to facilitate the response as smoothly as feasible. Pacific Power’s Meteorology team deployed 10 portable weather stations to enhance situational awareness and provide data for operational decisions. System operations and meteorology coordinated with Portland General Electric Company (PGE) and the Bonneville Power Administration to share information regarding system status and weather updates prior to and during the event.

Emergency Management staff participated in daily ESF-12 (Energy) and area utility coordination calls which were established and continued until the event concluded. Within the ECC structure the Liaison Officer, from Emergency Management staff, maintained constant outreach with state, county and local public safety partners ensuring that these jurisdictions had direct access to information, situational updates, and access to request prioritization if incidents were to arise.

Notification was initially made for all potential circuits with the understanding that scope changes could occur. Customer outreach initially began at 3:00 p.m. on September 7, 2022, and continued a cadence of at least daily outreach throughout the response, as outlined in the 2022 Oregon Wildfire Protection Plan, table 10. For the event the initial Access and Functional Needs/Medical Baseline (AFN/MBL) identified customer count was 10, the count increased to 22 due to outreach successes during the event.

2022 Oregon Wildfire Protection Plan Table 10 Notification Timeline

72-48 Hours Prior	De-energization Warning
48-24 Hours Prior	De-energization Warning
1-4 Hours Prior	De-energization Imminent / Begins
Re-energization Begins	Re-energization Begins
Re-energization Completed	Re-energization Completed
Cancellation of Event	De-energization Event Canceled <i>(if needed)</i>
Status Updates	Every 24 hours during event <i>(if needed)</i>

Corporate Communications coordinated with PGE and developed joint messaging, sent customer notification scripts to be used during outreach, developed talking points for RBMs and customer service and obtained a Spanish translator for multi-lingual messaging. Media requests were routine and steady throughout the event and several interviews were conducted by our PIO.

Social media, website, & press releases were sent out after customer notifications began to reach as many customers as possible.

Prior to PSPS execution, field crews conducted mitigation actions to minimize the areas which may be PSPS affected through actions such as Elevated Fire Risk settings on the system, patrols looking for any abnormal system conditions, and vegetation crews evaluating tree clearances and right-of-way buffers.

System Operations coordinated actions with reliability coordinator during the event. Additionally, Region Operations coordinated the field response and maintaining an environment to safely operate the system while providing appropriate de-energization and restoration actions.

PSPS execution began at 11:30 a.m. on September 9, 2022. Pacific Power's T&D DOC coordinated 222 field resources throughout the affected area. Resourcing for each circuit was built to line up with the restoration sequence, line miles and geography. Hazards were corrected when discovered prior to and during de-energization allowing for minimal impact to customers.

The hydroelectric generation facilities on the North Umpqua River continued to generate power throughout the event and generation employees were aware of the current situation and able to respond as needed.

Vegetation Management patrols were executed in throughout the affected area and resolved prior to de-energization. Vegetation crews successfully identified and completed work at 172 locations to mitigate any damages and aid in system restoration.

CRC locations were activated to support local communities based on the CRC plan. CRC provided Emergency Medical Technicians were available at all locations and used at one location which created one less call for local responders. CRC locations were coordinated with county emergency managers and were deployed to:

- Douglas County – Glide High School - 18990 N. Umpqua Highway, Glide, OR 97443
- Marion County – Bethel Baptist Church – 645 Cleveland Street, Aumsville, OR 97325
- Linn County – Sankey Park - 877 14th Ave, Sweet Home, OR 97386

STATISTICS BY CIRCUIT

Circuit	Area	County	Weather Station	Status	Customers	# of Customer under PPS	Actual De-Energization Time	Estimated Time to Initiate Patrol (9/10/22 @ 00:30 Forecast)	Actual time to Initiate Patrol	Estimated Time of Restoration	Actual Restoration Time	Customers Restored	PPSP Duration (hr:min)
4A316	Lincoln City	Lincoln County	Salmon River	Restored/Energized	1,737	1,737	9/9/22 11:32	9/10/22 8:00	11:07	15:07	9/10/22 13:06	1,737	25:34
R114	Lincoln City	Polk	Murphy Hill	Restored/Energized	14	14	9/9/22 12:40	9/10/22 8:00	8:20	9:20	9/10/22 15:40	14	27:00
		Tillamook			5	5						5	
4M70	N. Santiam	Linn	Mill City	Restored/Energized	1322	1322	9/9/22 12:32	9/10/22 12:00	13:05	16:05	9/10/22 15:07	1322	26:35
		Marion			758	758						758	
4M94	S. Santiam	Linn	Cascadia West	Restored/Energized	2,410	2,410	9/9/22 12:40	9/10/22 9:00	10:08	14:08	9/10/22 17:00	2410	28:20
5U920	Roseburg	Douglas	Elbow Butte	Restored/Energized	179	179	9/9/22 13:02	9/10/22 8:00	8:20	10:20	9/10/22 10:21	179	21:19
6U17	Roseburg	Douglas		Restored/Energized	3	3	9/9/22 13:44	9/10/22 8:00	8:20	9:20	9/10/22 9:23	3	19:39
6U33	Roseburg	Douglas		Restored/Energized	96	96	9/9/22 13:06	9/10/22 8:00	8:20	9:50	9/10/22 10:48	96	21:42
8U12	Roseburg	Douglas		Restored/Energized	23	23	9/9/22 13:03	9/10/22 8:00	8:20	9:20	9/10/22 9:12	23	20:09
6U76	Roseburg	Douglas		Restored/Energized	3	3	9/9/22 13:24	9/10/22 8:00	8:20	8:50	9/10/22 8:15	3	18:51
6U10	Roseburg	Douglas		Restored/Energized	1	1	9/9/22 13:07	9/10/22 8:00	8:20	8:50	9/10/22 8:19	1	19:12
6U13	Roseburg	Douglas		Restored/Energized	25	25	9/9/22 13:27	9/10/22 8:00	8:20	9:20	9/10/22 10:16	25	20:49
5U83	Roseburg	Douglas		Restored/Energized	420	420	9/9/22 13:03	9/10/22 8:00	8:17	10:17	9/10/22 10:48	420	21:45
5U84	Roseburg	Douglas		Restored/Energized	295	295	9/9/22 13:27	9/10/22 9:00	10:02	12:00	9/10/22 12:25	295	22:58
6U18	Roseburg	Douglas		Restored/Energized	21	21	9/9/22 13:30	9/10/22 8:00	8:20	9:20	9/10/22 10:30	21	21:00
4M93	S. Santiam	Linn		Brush Creek and PacifiCorp Portable 1	Restored/Energized	1,717	1,717	9/9/22 17:18	9/10/22 8:00	9:32	12:02	9/10/22 13:09	1,717
4M38	S. Santiam	Linn	Restored/Energized		989	989	9/9/22 18:00	9/10/22 9:00	9:32	12:32	9/10/22 15:25	989	21:25
4M37	S. Santiam	Linn	Restored/Energized		842	842	9/9/22 18:47	9/10/22 9:00	9:32	12:32	9/10/22 14:21	842	19:34
4M120	N. Santiam	Linn	Lyons East	Restored/Energized	706	706	9/9/22 19:05	9/10/22 10:00	10:20	13:20	9/10/22 12:30	706	17:25
4M353	N. Santiam	Marion	Albany-Lyons Hwy	Restored/Energized	167	167	9/9/22 21:30	9/10/22 10:00	10:20	12:20	9/10/22 11:20	167	13:50
5M126	N. Santiam	Linn		Restored/Energized	260	260	9/9/22 21:30	9/10/22 10:00	10:20	13:20	9/10/22 10:39	260	13:09
4M63	Lebanon	Linn	Lacomb	Was not De-energized	824	0							
					12,817	11,993						11,993	21:00

RECOVERY

Restoration plans were drafted in coordination with field engineering, T&D Operations, and reviewed by System Operations. T&D Operations designated one crew per circuit for phased restoration to ensure a timely and sufficient process. Customer, media, and public safety partner outreach was accomplished through normal channels during restoration actions and once customers were restored. Restoration of all circuits was completed by 5:00 p.m. on September 10, see chart below for de-energization and restoration timing by circuit.

LESSONS LEARNED

This section provides information on processes, training, and tools (e.g., forms and plans) that worked well and observations which occurred which provide opportunities for improvement. Assignment of corrective actions are also captured in the PacifiCorp Improvement Plan

SUCSESSES

- Coordination between on scene and IC immediately established
- Meteorology team forecasting was accurate and timely
- ECC function was successful in coordinating response across several agencies
- Proactive De-Energization Zone (PDZ) plan from engineering / Tracking sheet of devices & reclosers with addresses for out-of-town crews.
 - Circuit Captains were a key to success if there is an expectation to be at devices with a qualified employee to change settings.
 - Same captains in restoration if all are to be restored at the same time. Post PSPS in this area was well received by many in the community-
- Fire Modes on devices training was given many times the past 2-3 years
- Staging circuit captain at devices with good communications proved effective during restoration
- AFN/MBL customers were identified for additional support during event outreach allowing the company to better serve the whole community.

OPPORTUNITIES

Item Number	Observation	Responsible Group
1	Multiple points of contact for PP created potential for confusion among partners. Resulted in several missed communication opportunities with external partners.	Emergency Management
2	Create document in dispatch which isolates incident actions from daily operations	Region Operations
3	Create log of calls regarding significant events	Region Operations
4	Oregon Office of Emergency Management states some counties have a notification challenge and there are concerns regarding confusing and overlapping releases of information	Corporate Communications
5	Outreach to customers on well water	Emergency Management
6	Critical Facility identification	Emergency Management
7	The ECC should be separated from the Executive Policy Group (EPG)/Operational Leadership Branch (OLB) staff	Emergency Management
8	Need an understanding of resource needs prior to an event on how long it truly takes for initial patrols.	T&D Operations
9	PSPS affects generation when there is nothing but a Station Service Breaker inside a substation / generation.	T&D Operations
10	Improve documentation consistency.	Emergency Management
11	ECC Facility Upgrade to include: Television with cable to monitor news media, satellite phone, company radio, paper copies of plans and position checklists	Emergency Management
12	Add Joint Use position within ECC	Emergency Management
13	Incident Action Plan process should be utilized	Emergency Management
14	Critical Customer list (separate Joint use from critical customers)	Emergency Management
15	Set times at deployment, especially in dynamic events where PSPS timing may vary. Ensure public expectation for resource is met	T&D Operations
16	Information Management (IM) Specialist or Joint Information System (JIS) to be tasked with ensuring all sources of information match. Add details on checklist for who is responsible for which source.	Emergency Management
17	Website banner updates	Emergency Management
18	Create steps for getting accurate shapefiles and who to share with. (i.e., Commission, emergency managers, etc.)	Emergency Management

Item Number	Observation	Responsible Group
19	Add create PDZ plan for each location as a T&D and Engineering function	Engineering
20	Create PSPS tracking spreadsheet template. Should also include circuit inspection column in template	Emergency Management
21	Add steps to PSPS Playbook to include CRC specific information notification to 211, State and Local outlets	Emergency Management
22	Add CRC plan coordination and notification as an EM function. Include documenting local contact, times established, key points in checklist so information is available to all in ECC.	Emergency Management