

# January 2024 Winter Storm

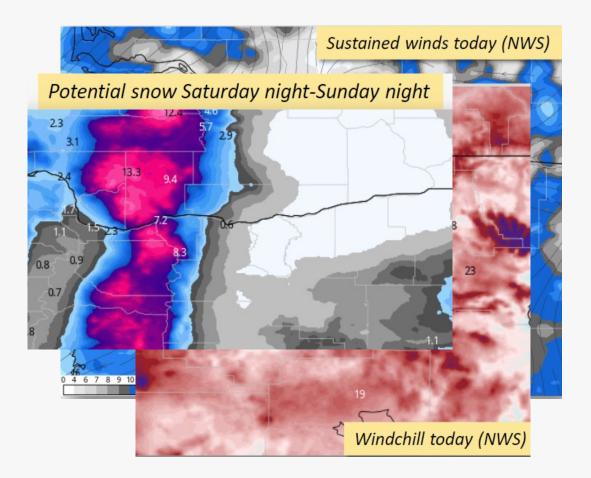
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May 29<sup>th</sup>, 2024





## PGE actively monitors weather and potential impacts



#### Daily Operations Call (ongoing)

Day of week, time, estimated duration

Recent, current, and forecasted meteorological conditions

Geographical areas threatened by region/line center

Types of system impacts anticipated (transmission, distribution, substation)

Expected or actual conditions that could impede assessment and restoration

Resource availability constraints (staff/contractor/vendor/mutual assistance)



# **Restoring power safely**

### **7 STEPS OF RESTORATION**



### **Essential community services**

**Life Saving** 

**All other PGE** 

**Business &** Residential

Customers

Life &

Community

**Sustainment** 



#### Life Saving:

Facilities that provide life-saving activities are the most critical to the community. Interruptions to the facility's power supply could result in loss of life.

- Hospitals 1.
- 2. 911 Centers
- 5. Wastewater 6. Emergency Operations
- 3 Critical Electrical
- Center (EOCs)
- Infrastructure
- 4. Water Supply
- 7. Critical Transportation
- Flood Control Facilities 8.

#### Life & Community Sustainment:

Facilities and customers that play a critical role in recovery, provide life sustaining activities that support the well-being of the community, and mitigate hardship or loss of life if there is a power supply interruption over an extended period of time.

### **Coordination with local, state, and tribal partners**



Advance planning through workshops, training events, and exercises

Coordination during events through existing structures like Emergency Support Functions (ESFs), Emergency Coordination Centers, and Departmental Operation Centers

Coordination on wire down and public safety, transportation route clearance, critical facilities, and more

Participation in After Action events

# January 2024 Storm Timeline



#### Wave 1: January 13-15 Bitter Cold with Extreme, Persistent Wind

- Wind gusts exceeding 50 mph and sustained east winds greater than 30 mph
- Exceptional cold and minor snow accumulations

#### Wave 2: January 16-17 Freezing Rain, Snow, and Sustained Winds

- Freezing rain, with most accumulation near the Columbia River Gorge
- Sustained winds

#### Wave 3: January 19-20 Freezing Rain and High Wind Gusts

- Wind with minor additional ice accumulations
- Accumulated ice was unable to melt due to subfreezing conditions persisting from the prior events, resulting in vegetation failure



Figure: Maximum Gust Speeds (mph) Across the Area for January 13, 2024

### January 2024 Storm Outages & Impacts



#### **Total Customer Meters Out**: 397,780 **Peak Customer Meters Out**: 167,089



*Figure 1: Photos of Extensive Damage and Hazardous Road Conditions*  Figure 2: Photo of Uprooted Large Tree Fallen Across Electric Lines





Figure 3: Photo of Uprooted Trees Near Electric Lines



### January 2024 Storm Restoration

<b>Restoration Resources</b>	Total Personnel
PGE Crews	133
Contract Crews	646
Mutual Assistance Crews	39
Flaggers	20
Vegetation Crews	326
Damage Assessment	49
Wire Watchers	97
Approximate Support Staff	~490
Approximate Total	~1,800

*Peak Number of Personnel Supporting Restoration Efforts* 



*Figure: Crews working in Icy Road Conditions* 

### **Customer Experience**

#### **Customer Phone Calls to Contact Center Interrupted**

On Saturday January 13<sup>th</sup> PGE's call system was interrupted due to the large volume of calls and the firewall cyber security system thinking it was being attacked shut down automatically. Calls were interrupted for ~90 minutes.

#### **Customer Sites on Web based Outage Maps**

Customer security and safety is a priority. Web based maps currently show the location of the devise which has interrupted service (fuse, breaker, etc). It doesn't represent the individual home, leaving customers wondering if their home is out when the "red dot" on the screen is a not near their address. PGE is working to address the issue while maintaining customer security.

#### **Text Messaging**

Normal "blue sky" customer text are sent when an outage occurs. During major storm events, the customer texts are turned off and manual texts are sent when job site assessments are completed and crews are assigned.







## Safety is our top priority, which is why **PGE prepares** year-round.

We all have a responsibility to be prepared for extreme weather and emergency situations.

Whether it's snow and sleet or wind and heat, weather can impact the grid during each season, which is why PGE plans and prepares year-round.







# Thank you.

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