

ONE-DAY, IN-PERSON WORKSHOP | MONDAY, JUNE 16, 2025

GRID EQUIPMENT IMPACTS FROM HEAT DOMES, POLAR VORTEXES, AND SEVERE ICE WORKSHOP

The Grid Equipment Impacts from Heat Domes, Polar Vortexes, and Severe Ice Workshop is a day-long, in-person workshop put on by Pacific Northwest National Laboratory (PNNL), in partnership with the Electric Power Research Institute (EPRI) and DRG Tech Solutions. Attendees will refine and prioritize research efforts aimed at addressing the challenges posed by natural hazards on power grid equipment. The workshop will strongly focus on managing the negative impacts of heat- and cold-related hazards, specifically heat domes, polar vortexes, and severe ice.

This workshop will cover the following topics:

- ▶ Impacts of these natural hazards on power grid equipment
- ▶ Current methods for prevention, monitoring, and mitigation of impacts
- ▶ Technology gaps in managing the negative impacts
- ▶ Research priorities to address technology gaps

Your participation as an industry stakeholder is crucial to the success of the workshop and will help to shape the most impactful research priorities for managing the negative impacts of heat domes, polar vortexes and severe ice on power grid equipment.

TIME	ACTIVITY
7:30 AM–8:30 AM	Registration
8:30 AM–8:50 AM	Welcome and Introductions
8:50 AM–10:10 AM	Presentations: Heat Dome Impacts on Power Grid Equipment and Mitigation Strategies
10:10 AM–11:00 AM	Panel Session on Technology Gaps and Research Priorities: Heat Dome Impacts on Power Grid Equipment
11:00 AM–12:00 PM	Breakout Rooms: Heat Dome Impacts on Power Grid Equipment and Mitigation Strategies
12:00 PM–1:00 PM	Lunch
1:00 PM–2:30 PM	Presentations: Polar Vortex and Severe Ice Impacts on Power Grid Equipment and Mitigation Strategies
2:30 PM–3:30 PM	Panel Session on Technology Gaps and Research Priorities: Polar Vortex and Severe Ice Impacts on Power Grid Equipment
3:30 PM–4:30 PM	Breakout Rooms: Polar Vortex and Severe Ice Impacts on Power Grid Equipment and Mitigation Strategies
4:30 PM–5:00 PM	Breakout Sessions – Report Out
5:00 PM–5:30 PM	Conclusions and Wrap-Up

FOR MORE INFORMATION, PLEASE CONTACT:

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Venue: Le Méridien, Denver Downtown
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