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# I&M - Winter Reliability Forum

October 28, 2021

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# Introductions

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**Steve Baker** | President and COO

**Shane Lies** | Site Vice President, Cook Nuclear Plant

**Tim Kerns** | Vice President, Generating Assets

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# Executive Summary

- Generation Preparedness
  - Nuclear
  - Fossil/Hydro/Wind
  - Solar
  - Fuel Supply
- T&D Preparedness
- Customer Focus and Engagement



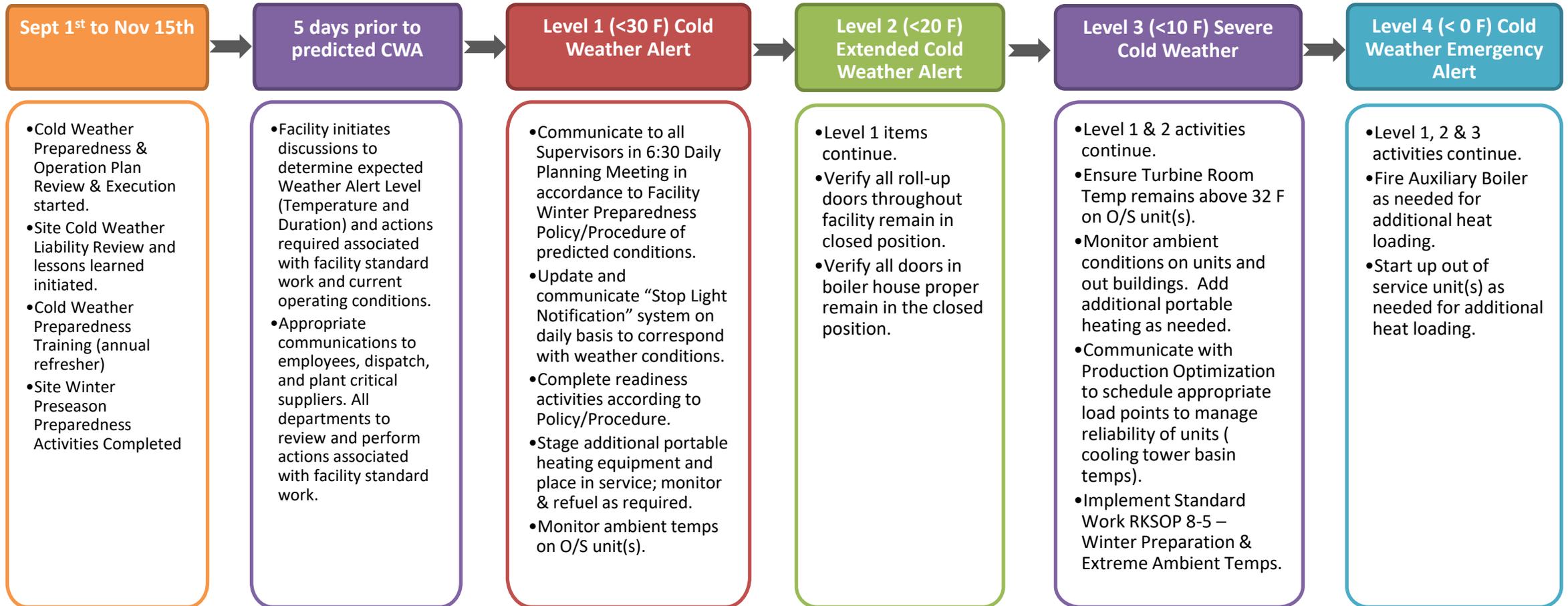
# Nuclear Generation

## Nuclear Generation

- Winterization Procedure
  - Readiness action timeline is March 1 – Nov 1
    - Open work order identification / resolution
    - All exterior openings closed/covered
    - Heat trace functionality checks
    - Contingency heaters staged
    - Temperature monitoring performed
    - Shiftly operator walk downs
  - “Approaching Extreme Weather” Procedure
- Fuel availability
  - 18 month fuel cycle



# Fossil Generation Cold Weather Preparation Activities



# Generation: Fuel Availability and Hedging

- Fuel Supply commitments and inventory available for Rockport
- As additional fuel is needed the market is solicited to determine supply availability
- Regular discussions are held with suppliers/carriers on supply commitments and inventory levels during extreme weather conditions including diverting supply to/from other AEP plants as needed
- Additional transportation assets are secured to provide for reliability during extreme weather events

# Transmission and Distribution Facilities

## T &D (Wires) in Indiana

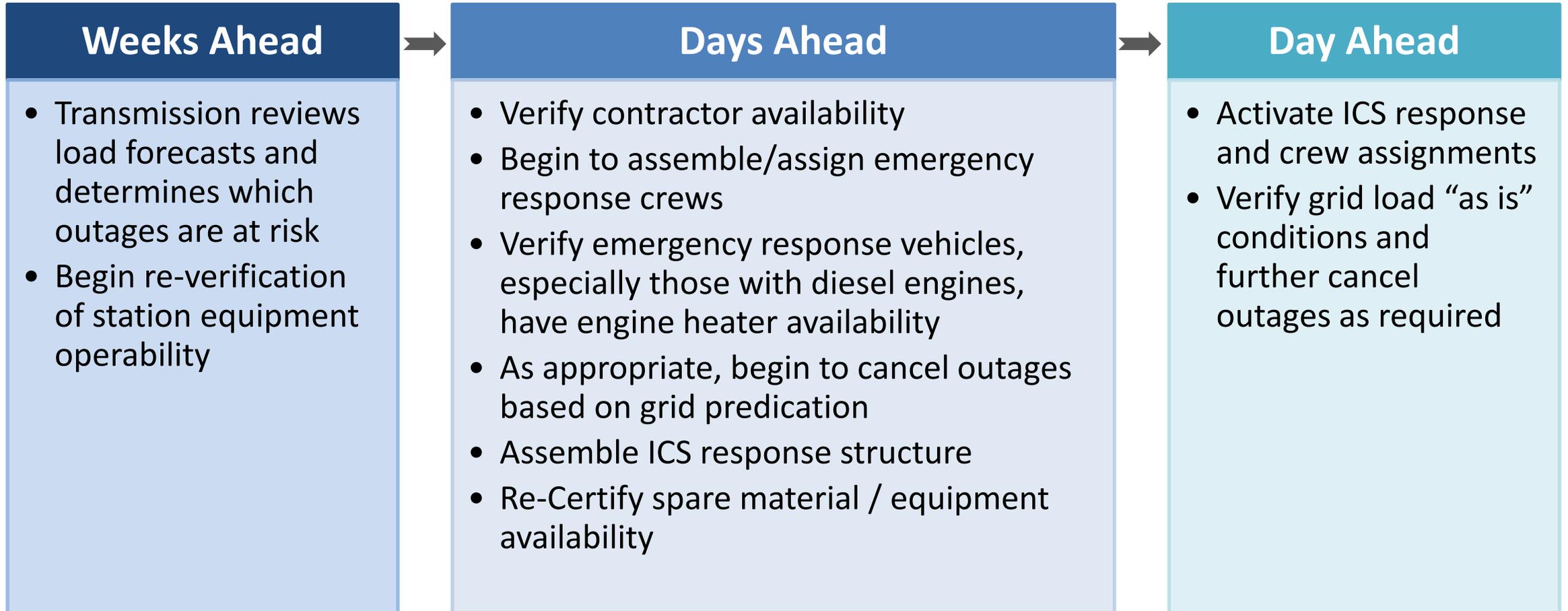
- Snowfall, ice, extreme temperatures
- Event/Load Shed preparation
- Vegetation management
- Forecasts / Prediction Model
- Labor Resources / Mutual Assistance

## Cold Weather Preparedness

- Ice loading and conductor galloping mitigation
- Substation equipment malfunction
- Asset Health/SCADA deployment
  - Capital Sparing
  - Heater checks
  - SF6 pressure checks
  - Control building HVAC verification
- Review and address system conditions ahead of seasonal risks

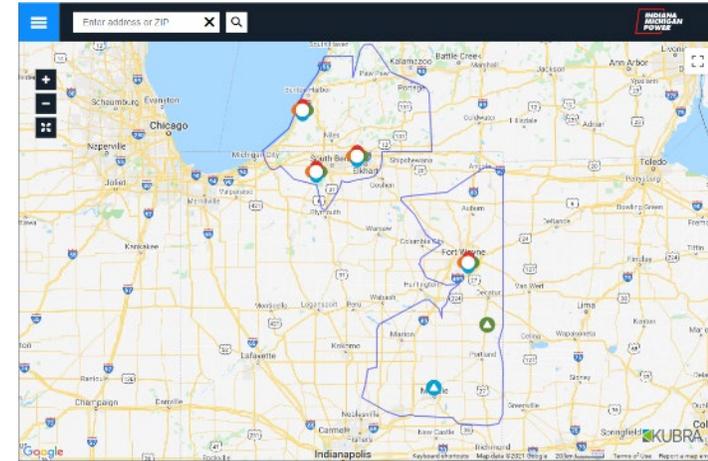


# T&D: Proactive Management of Extreme Weather



# Customer Focus / Engagement

- Event Prediction Preparation
  - AEP Meteorology
    - constantly monitors weather patterns
  - Incident Command Structure (ICS)
    - Provides predictable, scalable approach
    - Accommodates adjustment as changes occur
  - Damage Assessment & Hazzard Mitigation occur immediately
- Customer Interface
  - Mobile Alerts-provides ETR updates
  - Social Media/One Voice-provides current “picture” of recovery
  - I&M Website – provides geographical outage information
- Technology Improvements
  - AMI deployment
  - Drones – developing use for line patrols: assess & assign





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# Questions

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