Energy / Environment Summit
Energy Grid Resiliency

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PacifiCorp System Grid Operations

PACIFIC POWER
POWERING YOUR GREATNESS

PacifiCorp System Overview

- Serving 1.8 million customers in 6 states:
  - Pacific Power (CA, OR, WA)
  - Rocky Mountain Power (UT, WY, ID)
- 5,700 employees
- 143,000 square miles of service area
- 80,300 miles of transmission and distribution lines
- 10,800 megawatts of company-owned net generation capacity
- 900 substations

Pacific Power

- *Proudly serving the Pacific Northwest for more than 100 years*
- 785,000 customers
- 35,313 square miles of service area
- 4,392 transmission line miles
- 50,154 transmission poles
- 117 transmission substations
- 26,642 distribution line miles
- 525,453 distribution poles
- 281 distribution substations
- 294,669 service transformers

Company Emergency Management Structure

Berkshire Hathaway Energy Emergency Operations
Led by BHE CEO (Des Moines, IA)

Strategic high level support for cross-company and federal coordination

Pacific Power Executive Policy Group
Led by Pacific Power CEO (Portland, OR)

Strategic policy making and support for multiple business unit, state and federal coordination

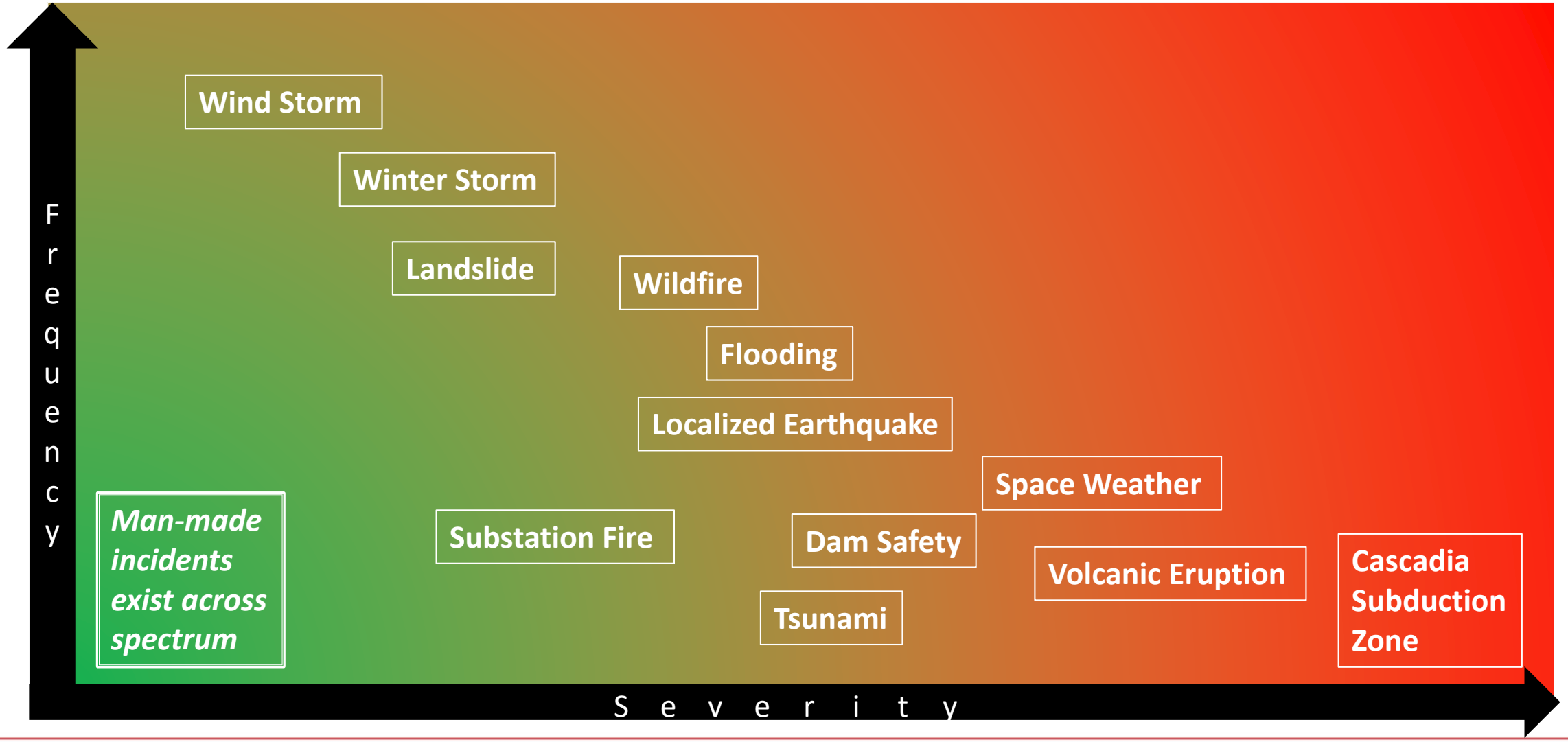
Business Area Emergency Operations Center
Led by appointed EOC Director (Portland, OR)

Operational support for on-scene resources and state, county and local emergency management agency coordination

Business Area Tactical Response
Led by appointed Incident Commander

Tactical control of response and coordination with Emergency Action Center as needed

Incident Planning Spectrum



Plans and Response

- All-Hazards Response Plan
- Damage assessment
- Coordination and communication
- Black start procedures
  - (*Approved by Reliability Coordinator)*
- Spare substation equipment
- Business continuity plans (COOP):
  - Denial of access
  - Loss of primary facility
  - Loss of critical infrastructure (technology recovery)
- Continuity of leadership plan

Response Experience

- Winter storms
- Wind storms
- Wildland Fire
- Tsunami (2011)
- Tornado
- Flooding
- Hurricane
- Gas pipeline explosion
- Dam safety incidents
- Landslide
- Substation fire
- Man-made incidents
- Regional Mutual Assistance Incidents

Thank You