

Energy Industry & Winter Preparedness

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“Unprecedented is a word too often used for energy in 2022, but I genuinely cannot think of a time that produced such great challenges.”

- Jonathan Brearley, Ofgem CEO, October 2022

“Tonight, I want to have an unpleasant talk with you about a problem unprecedented in our history. [...] The energy crisis has not yet overwhelmed us, but it will if we do not act quickly.”

- Jimmy Carter, US President, April 1977

Winter in Coming



Security of Supply Risk Management

Winter Preparedness

- Asset risk assessments, performance testing, and tactical spares
- Enhanced maintenance
- Review procedures, training, and exercising
- Coal units open and on standby
- External engagement and coordination (industry, gov't, public)
- Monitoring, situational awareness, and information sharing

Long-Term / Strategic

- Growth in renewables, redundancy, microgrids
- Asset hardening
- Advanced technologies and engineering innovation to increase system capacity, monitor system performance, and assess risks
- Climate vulnerability assessments
- Gov't and industry engagement



Response

- Demand reduction
- Established plans/procedures with clear escalation, defined roles and responsibilities across industry and government
- Physical, commercial, and market-based tools which enable to respond to a supply and demand imbalance
- Ability to perform rotating outage without jeopardizing the integrity of assets/networks

What an escalation might look like

OPERATIONS

MESSAGING

Anticipated gas supply shortage

1

maximize supplies; no disruption

Demand reduction (commercial, large industrial, power generation);

gov't / state intervention with non-market based measures;

Industry & Gov't messaging on energy conservation

2

Increased levels of industry and government coordination; crisis response

Gas Distribution Networks will isolate large areas of their own networks impacting domestic consumers

3

Rotating outage

Emergency public alert / notifications

Things to Consider



At Home

- Know your energy provider & source(s) of fuel
- Have a back-up generator or plans in place for critical / medical needs
- Charged battery packs for cell phones
- Pay attention to the weather
- Understand how outage or rotating outage information will be communicated
- Have a family communication plan

<https://www.ready.gov/>



At Work

- Business continuity, business continuity, business continuity!
- What are your critical functions
- Where/how is your data stored and where/how are your critical systems operating from
- Is your facility leased or owned; what are the facility capabilities in the event of an outage
- Think about supply chain
- What happens to your employees

<https://www.ready.gov/business>

Additional Resources

US International Energy Information Administration

<https://www.eia.gov/outlooks/ieo/>

National Grid Gas Winter Outlook:

<https://www.nationalgrid.com/gas-transmission/insight-and-innovation/winter--outlook>

National Grid Gas Prevailing View:

<https://mip-prd-web.azurewebsites.net/>

nationalgrid