



Building Power System Resilience Against Extreme Weather

9th September 2020

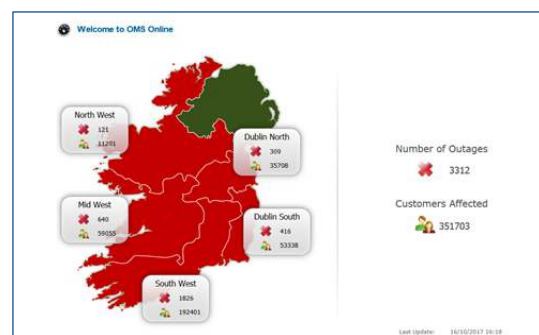


Ophelia

380k customers
11.7m hours
Six days

Extreme Weather
Storm
Flood
Heat & Wild Fire

Resilience



Restoration

Capability
Co-operation
People
Communications



WEATHERING THE STORM: MANAGING A MAJOR WEATHER EVENT ON IRELAND'S TRANSMISSION SYSTEM

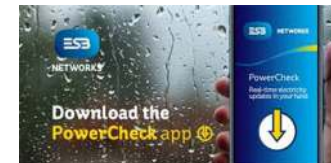
Insights from Ophelia
January 2018

RESEARCH QUESTIONS

How did the transmission system operator in Ireland—a system with a high penetration of wind generation—plan for and manage a major storm that made landfall on the island? What lessons from the experience can be applied to other system operators for future major weather events?

KEY INSIGHTS

- Early planning ahead of a major weather event is critical; staffing decisions and role assignments must be defined well before the event occurs.
- An external communications team should be established prior to the storm to keep stakeholders informed.



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WESTERN POWER
SOUTHWEST
Energy for Ireland, from the West

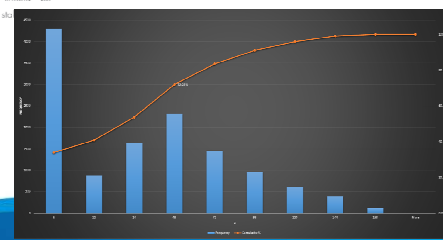
SP ENERGY NETWORKS

manxutilities
Sustainable Energy Solutions

UK Energy Networks
Delivering more sustainable

Electricity north west

NORTHERN POWERGRID



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As we increasingly
rely on clean
electricity...

Cars
Heat
Communications...



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