

Notes taken by Ana Maria Ospina Sierra at the Smart Grids Big Data Workshop, 5/8/2018

Focus Group Session

"Meteorological Forecast and Weather Hazards".

Grid interruption 30% of outage in the USA are weather related.

Inertia present in renewable energy production wind, solar.

Demand in many areas demand ramps-up sharply with high temperatures

USES FOR WEATHER DATA

Planning and research.

Estimate future renewable production potential.

Measuring risk of weather hazards.

Designing and testing new transmission line plans.

Forecasting renewable.

Marketing purposes.

Major current trend in weather prediction.

Account for uncertainty and non-linearity when forecast length exceeds many times the time-scale of the scale big predicted.