

# UT Law Conference

Renewable Energy

January 2018



## Weather Risk Management



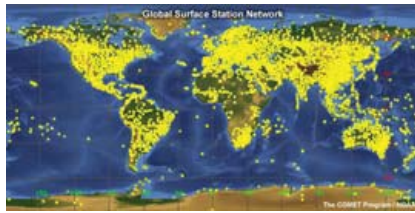
Weather risk refers to earnings or budget volatility caused by variable weather expressed as an objective index



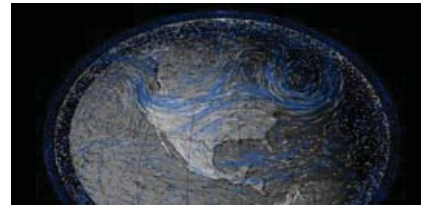
Weather risk management involves buying a financial protection product based on that same index which helps mitigate this volatility



## GROUND OBSERVATIONS



## SATELLITE DATA



### INDEPENDENT, QUALITY-CONTROLLED SETTLEMENT DATA

Temperature	Precipitation
Snowfall	Hurricanes
Solar Irradiance	Wind Speed
River Depth	Wave Height

HIGH-QUALITY WEATHER DATA, AVAILABLE ACROSS THE WORLD AND PROVIDED BY GOVERNMENT WEATHER AGENCIES AND PRIVATE ORGANIZATIONS, CAN BE USED FOR BOTH HISTORICAL MODELING AND TRANSACTION SETTLEMENT.

## Key Industries Exposed to Weather Risk

There is increasing interest for structured protection from buyers in a variety of industries exposed to variable weather:

- ❖ **Agriculture** Crop yield, handling, storage, pests
- ❖ **Construction** Delays, incentive/disincentive clauses
- ❖ **Energy (Traditional)** Fluctuating demand
- ❖ **Energy (Renewable)** Fluctuating supply
- ❖ **Entertainment** Postponements, reduced attendance
- ❖ **Food & Drink** Reduced demand, increased raw material costs
- ❖ **Governments** Budget overruns
- ❖ **Insurance** Increased claims
- ❖ **Manufacturing** Reduced demand, increased raw material costs
- ❖ **Retailing** Reduced demand of weather-sensitive products
- ❖ **Transportation** Budget overruns, delays

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## Title search: Innovative Insurance and Risk Management Products and Emerging Trends in the Renewables Sector

Also available as part of the eCourse

[Answer Bar: Navigating a Renewable Energy Project](#)

First appeared as part of the conference materials for the  
2018 Renewable Energy Law session

"Innovative Insurance and Risk Management Products and Emerging Trends in the  
Renewables Sector

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