WSI WindCast IQ™

Powered by **Genscape**™

Wind is one of the fastest-growing and difficult-to-predict forms of power generation. While the high wind speeds that often accompany cold temperatures can help increase the energy supply, icing on turbines may hinder power generation and even cause turbines to shut down.

To help traders make better decisions around managing congestion and price volatility, The Weather Company®, an IBM Business, has partnered with Genscape market intelligence to develop WSI WindCast IQ, a solution designed to improve understanding of how upcoming weather may impact wind power generation.

Wind power forecasts and analysis for ISOs

Delivered through a security-rich website, WindCast IQ provides ISO-level wind generation forecasts using a unified interface that is accessible to decision-makers at virtually any time.

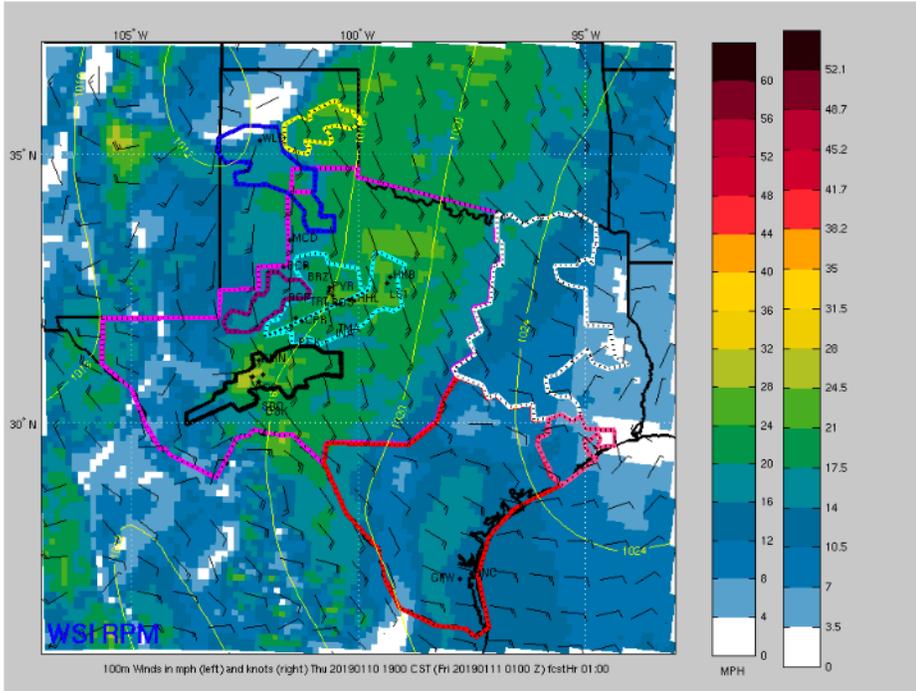7 Day ERCOT Aggregate Hourly Forecast & Observations

These ISO-level wind power forecasts are enhanced with critical congestion information and analysis into the activity of individual wind farms. The solution constantly monitors new wind sites in near real-time and adds this data to the forecast system as needed.

WindCast IQ provides:

- Hourly wind power forecasts up to seven days in advance at the ISO level and for key sub-regions

- Updates to forecasts eight times per day

- Accessibility through the WindCast IQ website, API and FTP

- Service for multiple ISOs and regions, including ERCOT, MISO, PJM, SPP, CAISO, NYISO, NEISO and BPA

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The **Weather Company**
An IBM Business

Visual guidance to help improve decisions

WindCast IQ also provides regional graphics that display wind forecasts over several days to help identify trends. Using The Weather Company's proprietary mesoscale weather model, IBM Global High-Resolution Atmospheric Forecasting System (GRAF), forecasts of wind speed and direction are available at multiple heights for major wind generation regions. This helps users better understand how large-scale wind events might impact power generation.

GRAF 100m Wind Forecast

Genscape – See the energy

Genscape is a leading global provider of real-time data and intelligence for commodity and energy markets, driven to improve market transparency and efficiency. With a network of thousands of patented monitors, sensors and satellites strategically deployed worldwide, Genscape is unique in its ability to collect and report proprietary market fundamentals in real time or near real-time. Genscape delivers innovative solutions across a number of asset classes including oil, power, natural gas and LNG, agriculture, petrochemical and NGLs, maritime and renewables. Genscape clients often gain important insights, improve risk management, and increase operational efficiency. For more information, please visit www.genscape.com.

The Weather Company, an IBM Business

The Weather Company, an IBM Business, is the world's largest private weather enterprise, delivering up to 26 billion forecasts daily and providing accurate[1], personalized and actionable weather data and insights. The company helps millions of consumers and businesses make better decisions through its enterprise and consumer products from The Weather Channel and Weather Underground.

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1 Three Region Accuracy Overview: 2010 through June 2016, December, 2016:
www.forecastwatch.com/wp-content/uploads/Three_Region_Overview_2010_201606.pdf

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