



Improving Reliability in the Field with Turnkey Solar Resource Assessment System

PROBLEM

Wagoner Wind, a Nebraska-based company specializing in met tower installation and wind data collection, has led an increasing number of solar resource assessment projects in recent years. Many of these projects have involved assembling resource assessment systems piece by piece – a time-consuming process that often complicates ordering and causes compatibility issues during installation. When working with these *a la carte* solutions, Wagoner Wind found themselves spending more time in the field, ultimately resulting in less predictable installation schedules and higher project costs for themselves as well as the end-customer.



Image courtesy of Avangrid Renewables.

SOLUTION

When Wagoner Wind – longtime users of NRG’s turnkey wind resource assessment systems – learned that the company had taken their pioneering complete system approach to WRA and applied it to solar resource assessment, they decided to branch out beyond NRG’s wind-related product line. Wagoner Wind was especially drawn to NRG’s solar solution because its components, which include a tower, SymphoniePRO Data Logger, and the user’s choice of sensors, were designed to work together. This approach offers the same compatibility Wagoner Wind enjoyed when working with NRG’s wind resource assessment systems. Up until that point, Wagoner Wind had been unable to find a solar resource assessment system designed as an end-to-end solution.

RESULTS

After installing their first NRG SRA System, Wagoner Wind saw the advantages of a turnkey solar resource assessment solution immediately, especially when it came to mounting sensors in a clean, efficient way. Since assembly of a NRG SRA System is a straightforward and repeatable process, regardless of the environment, Wagoner Wind is able to ship all NRG solutions directly to the field and more accurately set installation schedules, effectively lowering costs.

BENEFITS

Working with a complete solar resource assessment system has allowed Wagoner Wind to develop a more static and predictable pricing model that is more competitive than ever. Wagoner Wind has also experienced fewer unexpected change orders and unplanned days in the field when working with NRG’s SRA System. The unique advantages of NRG’s streamlined SRA solution not only result in a better product overall, but a better user experience for Wagoner Wind and their customers, without sacrificing data quality.

“The best thing in the field is predictability, and I think that NRG Systems is really shining when it comes to that. With NRG’s SRA System, I know exactly what I’m going to get, I know exactly how the equipment is going to work together, and I don’t feel like I have to be prepared for every possible sequence of events.”

–Eric Wagoner, Partner, Wagoner Wind LLC