

Case Study - Using ORAP[®] to Support Wholesale Market Offer

TRANSLATING ORAP SUBMITTED DATA INTO REQUIRED OUTPUT

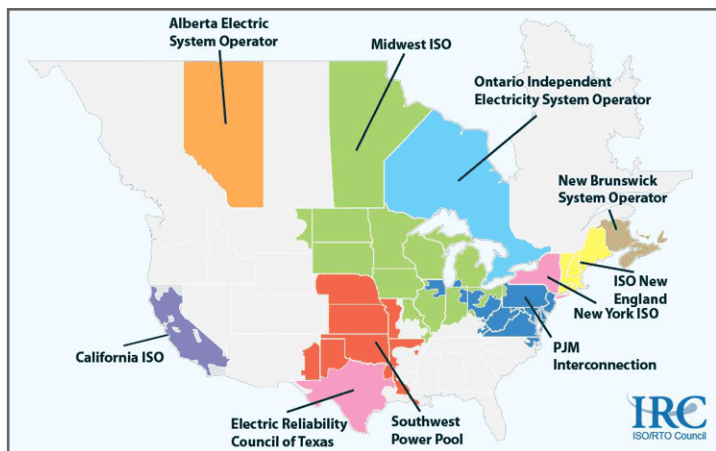
Background

The Case Study below describes how SPS worked with one of our long time ORAP participating power plants, to help support them with an offer into a US capacity market. The power plant is operating in combined cycle.

Recent Situation

The power plant had sold its wholesale power under a long term power purchase agreement (PPA) which terminated at the end of the year. In exploring its options in the aftermath of the termination of its PPA, the plant investigated the possibility of selling its power output into a wholesale market. The Independent System Operator (ISO) arranges and facilitates seasonal (Winter and Summer) and monthly capacity markets. The generator became interested in submitting an offer for the then-upcoming Summer capacity market and was faced with tight timelines to submit all of the required paperwork.

ORAP is more than just a reliability benchmarking system. We are here to help you with all of your data reporting needs.



As part of the process for qualifying for this market as a supplier, the generator was required by the ISO to provide operating and outage event data in North American Electric Reliability Corporation (NERC) Generation Availability Data System (GADS) format for a recent historical period of 20 months.

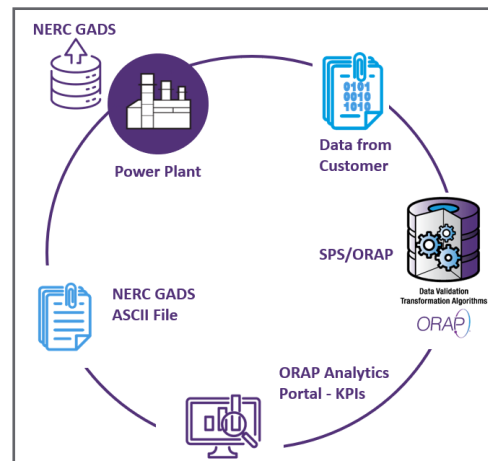
Because the facility was located outside of the USA, it was not required to submit data to the NERC GADS program, which is mandatory for US-based generation exceeding 20 MW of installed capacity.

The generator determined that it probably had all of the information for compliance with the data requirements at the plant, but they only had a few days to assemble it before the capacity auction deadline. They were also unfamiliar with the format of the NERC GADS input which was a stated requirement from the ISO.

The Solution

The generator called SPS to see if we would be able to help them structure the data into the required format. Additionally, the generator was behind in their ORAP submittals, so there was a gap of information that needed to be entered before a full data set could be generated.

The first step was to get the missing information entered into ORAP and processed through SPS' automated and manual data validation to ensure that the information was accurate. The power plant team provided SPS with existing Excel-based sheets that contained the required information and SPS manually entered the details into the ORAP system on behalf of the plant. Simultaneously, SPS worked with the generator and NERC to establish Utility and Unit Codes so that their data could be translated into NERC format.





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The Solution (cont.)

Additionally, the generator was not aware that all Reserve Shutdown Events were required for input to NERC GADS. SPS communicated this to the generator who then had their OSIsoft PI expert export all of the required data points to SPS in Excel.

The SPS team then worked quickly to enter all of the missing Reserve Shutdown events into ORAP.

Once the data was entered and reviewed, and Utility and Unit codes were established for the site, SPS once again translated all of the generator's 20 months of historical data from ORAP into the required NERC GADS format, including the recently entered Reserve Shutdown periods. The NERC GADS file output was provided back to the generator for submittal to the ISO.

Business Benefit

The generator was able to submit the data required in a timely fashion to the ISO, and won a capacity award.

The site, whose future status was uncertain when the PPA was terminated, will now continue to operate and support the US capacity market.

