



PEAKRELIABILITY

assuring the wide area view

Peak is pursuing two projects with the national labs to enhance the reliability of the bulk electric system. The first project is with National Renewable Energy Laboratory (“NREL”) and the purpose is to improve the quality of the data being utilized in Peak’s reliability assessments. The second project is with Pacific Northwest National Laboratory (“PNNL”) and its purpose is to study to potential improvements to Peak Reliability’s West-wide System Model through additional modeling of the impacts of Remedial Action Schemes on the system (collectively referred to as “Projects”). Both Projects relate directly to: maintaining and improving the operational performance and reliability of the grid; advancing the understanding of the grid; and developing applications or technologies to enhance the efficiency of the grid.

As required by the Peak Reliability Data Sharing Agreement (“UDSA”), the Projects require Covered Data to advance a Permitted Purpose, as those terms are defined in Section III of the UDSA. NREL and PNNL are Peak contractors, as that term is used in Sections VI (1) and V (3) of the UDSA, on the Projects. Consistent with Sections III(10), VI(1) , V(3), and VI(1)-(7) of the UDSA, Peak will treat NREL and PNNL as Data Recipients and require from each lab sufficient internal controls that are consistent with Section VI(5)(a) of the UDSA.

Data to be provided to PNNL that may be subject to United States Department of Energy review:

1. West wide System Model (WSM) and real-time State Estimator (SE) snapshots in 5-minute interval archive cases (up to 10,000 cases saved in the last 2 years) in a format applicable for the PNNL DOE project; and
2. Historical PMU data for specific events of PNNL Project interest to validate the proposed new PMU based RAS logic/controller for Jim Bridger RAS;

Data to be provided to NREL that may be subject to United States Department of Energy review:

1. Historical West-wide System Model (WSM) and Real-time State Estimator (SE) snapshot cases at 5-min intervals for the previous three years.
2. Historical information such as generator data, line loading, bus voltage, switch status, and system loading data for the previous three years.
3. Historical forecast data from the previous three years showing generator data, interchange and system loading.

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