##### June 5, 2023

**TO:** All Interested Parties

**FROM:** Elizabeth Mallett, Director, Wholesale Gas and Retail Markets Quadrants

**RE: Distributed Energy Resources and Grid Services Development**

In April, the RMQ Business Practices Subcommittee (RMQ BPS) held a planning meeting to begin discussion on Standards Request R22001, a request submitted by the U.S. Department of Energy (DoE), Lawrence Berkeley National Laboratory, and Pacific Northwest National Laboratory to support a part of the DoE’s Grid Modernization Laboratory Consortium (GMLC). Specifically, R22001 proposes a common terminology – to apply to distribution-level services in the retail electric market and the system operators’ terminology in the wholesale electric market – that will build a foundation to support greater consistency in the integration of grid-edge resources. The request was jointly assigned to the WEQ and RMQ, and, following twelve WEQ BPS meetings, the WEQ standards were approved by the WEQ Executive Committee in March and subsequently ratified in April.

During the April RMQ BPS meeting, the participants reviewed the language of R22001 and the WEQ standards developed under the same annual plan item. The participants briefly discussed use cases to facilitate commercial transactions for grid services, such as vehicle-to-grid and battery storage services. Rich Brown from the DoE provided a presentation that outlined the goals of the standards request and the aim of the GMLC to modernize the grid through regulatory, cybersecurity, grid edge interoperability, and other advancements.

Looking ahead, as the RMQ BPS moves forward with the RMQ recommendation, the language of the WEQ standards will be leveraged as a template to expedite the efforts within the RMQ BPS meetings. Those WEQ standards identified six categories of operationally-based grid services and the attributes to be used to define the services. The attributes include location, timing, and performance determinations. The six categories of grid services are energy grid service, reserve grid service, regulation grid service, frequency grid service, voltage management grid service, and blackstart grid service.