Introduction:

**WEQ-XXX-1 Energy Service**

WEQ-XXX-1.1 Electrical Attributes

Energy is the quantity of electric energy, measured in megawatt hours, made available over the performance period. A service agreement for Energy Service can specify the price for a quantity of energy at different power levels (a curve).

Power is the power level of the resource for production or consumption over the performance period.

* Measured in megawatts
* Power level could be average megawatts during the period.

Electrical location is the location where the service is provided to/made available to the electric system. The governing documents will specify relevant location requirements associated with Energy Service and may use one or more of the following attributes:

* Pricing location where the service is priced
* Measurement location where the service performance is quantified

WEQ-XXX-1.2 Timing Attributes

Delivery schedule is the start time and end time of the obligation to perform the service. This can also be specified with a start time and duration.

Delivery schedule notification is the timing associated with notification that the delivery schedule for the energy service is established. For example, the results of a market process are published by specified times and notify the participants of their scheduled delivery of the service.

WEQ-XXX-1.3 Additional Attributes

The energy service agreement specifies how performance is measured. This is usually done with revenue grade meters that measure energy in intervals synchronized to the delivery schedule for service. Periodic power measurements are also used.

Example service requester operational objectives include system peak load management, balance energy use with production, manage delivery limitations caused by electric flow constraints.

**WEQ-XXX-2 Reserve Service**

WEQ-XXX-2.1 Electrical Attributes

WEQ-XXX-2.2 Timing Attributes

WEQ-XXX-2.3 Additional Attributes

**WEQ-XXX-3 Regulation Service**

WEQ-XXX-3.1 Electrical Attributes

WEQ-XXX-3.2 Timing Attributes

WEQ-XXX-3.3 Additional Attributes

**WEQ-XXX-4 Frequency Response Service**

WEQ-XXX-4.1 Electrical Attributes

WEQ-XXX-4.2 Timing Attributes

WEQ-XXX-4.3 Additional Attributes

**WEQ-XXX-5 Supplemental Regulation Service**

WEQ-XXX-5.1 Electrical Attributes

WEQ-XXX-5.2 Timing Attributes

WEQ-XXX-5.3 Additional Attributes

**WEQ-XXX-6 Voltage Management Service**

WEQ-XXX-6.1 Electrical Attributes

WEQ-XXX-6.2 Timing Attributes

WEQ-XXX-6.3 Additional Attributes

**WEQ-XXX-7 Emergency or Black Start Service**

WEQ-XXX-7.1 Electrical Attributes

WEQ-XXX-7.2 Timing Attributes

WEQ-XXX-7.3 Additional Attributes