**RPLAN enhancements for solar plants effective 08/08/2023 in Sandbox**

1. High Level Changes in Renewables Plan (RPLAN)

Beginning on August 8th, 2023, Market Participants with solar plants will be able to query the solar power generation forecasts for their plants. Prior to this date, power generation forecasts were only available for wind plants. The following forecasts will be available for query via web services:

* Short Term Forecast – 5-minute granularity forecast for time intervals starting 10 minutes from current time until 4 hours from current time
* Medium Term Forecast – hourly granularity forecast for the next 48 hours starting at the next hour
* Long Term Forecast – hourly granularity forecast for the next 5 days starting at 49 hours from current time

The web service query request will specify the type of forecast (Short/Medium/Long Term) using the ScheduleIdentifier element. ScheduleIdentifier is composed of three concatenated numbers: ParticipantID, ScheduleID, ScheduleType. Examples for ParticipantID 9999:

|  |  |
| --- | --- |
| Short Term | <Schedule> <identifier>9999**0701**0101</identifier>  <name>**STFCST\_S-MW**</name> </Schedule> |
| Medium Term | <Schedule> <identifier>9999**0702**0101</identifier>  <name>**MTFCST\_S-MW**</name> </Schedule> |
| Long Term | <Schedule> <identifier>9999**0703**0101</identifier>  <name>**LTFCST\_S-MW**</name> </Schedule> |

Asset Identifier of the solar plant for which the forecast is requested is specified in the same way as in Solar Plant Future Availability submittals, where asset name and description are optional:

<Entity>

 <assetIdentifier>**1111**</assetIdentifier>

 <name />

 <description />

</Entity>

For additional details, refer to the RPLAN Data Exchange Specification document posted on ISO-NE website.

1. Migration Timeline

The new functionality will be available in

* Sandbox environment starting 08/08/2023
* Production environment
	+ 10/16/2023, solar power forecasts will be available for query
	+ 12/05/2023, in addition to solar power forecasts, solar plants will start receiving DNE (Do Not Exceed) signals via real-time telemetered dispatch instructions
1. RPLAN User Documentation

The following documents are available on the ISO-NE website to help creating client software and testing of web services in Sandbox.

* RPLAN Data Exchange Specification version 14.0
* RPLAN WSDL files
* RPLAN Client Sample Programs