

PJM OC July 14, 2022 Update

Susquehanna – Harwood 230kV lines (2 circuits)

Juniata – Cumberland 230kV line (1 circuit)

Revised on 7/12 - PPL DLR Go-live for the 3 noted facilities above is anticipated in the first two weeks second week of August-September with notice to PJM OC members ~ 2 weeks ahead of Go-Live date, including changes, if any, to that schedule. PPL DLR likely Go-Live date targeted for August-September 9th-13th – 10th-14th window. (i.e., Day Ahead utilization on 8/9-13 for the 8/9-10-14 operating day from hour ending 1100 onward; Followed by next day Real-time utilization on 8/9-10-14 at ~1000 for Hour Ending 1100 onward.) Move to September is due to further work needed to finalize PPL's EMS changes with their vendor.

PPL has provided sample data to the OC stakeholders relative to June 18th (GMT) forecasted and corresponding real-time data, for the three subject lines and can be found within the July OC materials. *Technical Notes* can be found in the first worksheet of the sample data MS Excel file, with the sample data in the additional four worksheets.

Data reflects the would be values communicated to PJM from PPL's systems based upon the models as expected upon Go-Live and reflects the DLR-derived measurement of transmission line conductor ratings.

Other non-conductor equipment included in the facility rating may limit the maximum rating of the given facility. Due to this limitation, at times the rating values may appear to be non-dynamic in nature whenever the most limiting component is more restrictive than the conductor. PPL has planned projects, slated for fall of 2022, to replace the more limiting components within the Susquehanna – Harwood 1 & 2 facilities. Once completed, the DLR-derived conductor limitations will be the primary driver for the facility rating for these two facilities.

Upon implementation, DLR-related posting locations, beginning with Day Ahead [DA] forecasts and limits and followed by real-time data on day of Go-Live:

- PJM posts DA Market limits to Data Miner, which will include DLR limits associated with facilities within the case, to the following location: https://dataminer2.pjm.com/feed/da_ratings
- Rolling DLR forecasted and real-time production DLR will be captured in the following location: <https://www.pjm.com/markets-and-operations/etools/oasis/system-information/ratings-information.aspx>
- Both of the above will commence with the DA prior to Go-Live.

Past Updates

PJM OC June 9, 2022 Update [verbal] – Item 9

**Susquehanna – Harwood 230kV lines (2 circuits)
 Juniata – Cumberland 230kV line (1 circuit)**

PPL DLR Go-Live dates moved out to August 2nd – 4th, with one of those dates being the earliest projected implementation date and subject to further update. (i.e., Day Ahead utilization, followed by next day Real-time utilization.) Delay in implementation will allow PPL time to finalize EMS work with their vendor.

PPL and PJM completed end to end testing of DLR test data from PPL to a PJM test environment. Sample data for day ahead and corresponding real-time to be made available via OC processes (to distinguish it from production ratings data used post-Go-Live) to OC stakeholders by PPL ahead of Go-Live.

Upon implementation, DLR-related posting locations, beginning with Day Ahead [DA] forecasts and limits and followed by real-time data on day of Go-Live:

- PJM posts DA Market limits to Data Miner, which will include DLR limits associated with facilities within the case, to the following location: https://dataminer2.pjm.com/feed/da_ratings
- Rolling DLR forecasted and real-time production DLR will be captured in the following location: <https://www.pjm.com/markets-and-operations/etools/oasis/system-information/ratings-information.aspx>
- Both of the above will commence with the DA prior to Go-Live.

PJM OC May 12, 2022 Update – [Item 11](#)

**Susquehanna – Harwood 230kV lines (2 circuits)
 Juniata – Cumberland 230kV line (1 circuit)**

PPL DLR implementation tracking for end of June 2022 readiness.

No specific Go-Live dates have been determined. (i.e., Day Ahead utilization, followed by next day Real-time utilization.)

PPL is working towards telemetered real-time DLR to a PJM test environment.

Given this is the initial DLR implementation, PJM is looking to receive both forecasted and telemetered real-time DLR data for evaluation/testing ahead of Go-Live with a 6 week lead time for readiness. (i.e., To meet a June 14th Go-Live date, then by ~May 3rd PJM should be receiving both forecasted and telemetered real-time DLR data. To meet a June 30th Go-Live date, then forecasted and real-time DLR would be needed by ~May 19th. Etc.)

DLR-related posting locations:

- PJM posts DA Market limits to Data Miner, which will include DLR limits associated with facilities within the case, to the following location: https://dataminer2.pjm.com/feed/da_ratings
 - Rolling DLR forecasted and real-time production DLR will be captured in the following location: <https://www.pjm.com/markets-and-operations/etools/oasis/system-information/ratings-information.aspx>
 - Both of the above will commence with the DA prior to Go-Live.
-

PJM OC April 14, 2022 Update – [Item 15](#)

Susquehanna – Harwood 230kV lines (2 circuits) Juniata – Cumberland 230kV line (1 circuit)

PPL DLR implementation tracking for June 2022 readiness.

No specific Go-Live dates have been determined. (i.e., Day Ahead utilization, followed by next day Real-time utilization.)

PPL is working towards telemetered real-time DLR to a PJM test environment.

Given this is the initial DLR implementation, PJM is looking to receive both forecasted and telemetered real-time DLR data for evaluation/testing ahead of Go-Live with a 6 week lead time for readiness. (i.e., To meet a June 1st Go-Live date, then by ~April 20th PJM should be receiving both forecasted and telemetered real-time DLR data. To meet a June 30th Go-Live date, then forecasted and real-time DLR would be needed by ~May 19th. Etc.)

DLR-related posting locations:

- PJM posts DA Market limits to Data Miner, which will include DLR limits associated with facilities within the case, to the following location: https://dataminer2.pjm.com/feed/da_ratings
 - Rolling DLR forecasted and real-time production DLR will be captured in the following location: <https://www.pjm.com/markets-and-operations/etools/oasis/system-information/ratings-information.aspx>
 - Both of the above will commence with the DA prior to Go-Live.
-

PJM OC March 10, 2022 Update – [Item 13](#)

Susquehanna – Harwood 230kV lines (2 circuits) Juniata – Cumberland 230kV line (1 circuit)

PPL DLR implementation tracking for June 2022 readiness.

No specific effective dates have been determined. (i.e., Day Ahead utilization, followed by next day Real-time utilization.)

Further updates on the PPL DLR implementation will be tracked as a monthly OC agenda item until in-use or another process supersedes this communication.

As a best practice, PJM is looking is to codify the operational processes within PJM manuals* prior to PPL DLRs going operational.

At this point, we do not believe tariff changes are required.

* [Problem Statement](#) and [Issue Charge](#) “Integrating Dynamic Ratings into PJM Operations (Phase 1)” towards this end as part of Consensus Based Issue Resolution - Quick Fix approach.

PJM OC February 10, 2022 Update – verbal, no presentation/doc

PPL DLR implementation tracking for Q2 readiness.

No specific effective dates have been determined. (i.e., Day Ahead utilization, followed by next day Real-time utilization.)

Further updates on the PPL DLR implementation will be tracked as a monthly OC agenda item until in-use or the communication is superseded by another process.

As a best practice, PJM is looking is to codify the operational processes prior to PPL DLRs going operational.

At this point, we do not believe tariff changes are required.
