



Facility provides reactive capability to the PJM Transmission System and is eligible to collect rates pursuant to Schedule 2 of the OATT. The filing should be rejected.

The same issue has been raised in other pending cases, notably, the Elk Hill Solar 2 proceeding in Docket No. ER21-1633, the Whitetail Solar 2 proceeding in Docket No. ER21-936-000, the Whitetail Solar 3 proceeding in Docket No. ER20-1851 and the Ingenco Wholesale Power proceeding in Docket No. ER20-1863. The issue is significant because the number of facilities interconnecting off system can be expected to increase, such facilities do not contribute reactive capability useful to PJM, and based on anticipated power factor levels and the way the *AEP* method has been applied for calculating reactive rates under Schedule 2, such facilities may receive significantly larger payments per MW than the facilities that do provide reactive power capability useful to PJM.

#### **I. ANSWER**

Schedule 2 provides that PJM must procure reactive capability for the PJM Transmission System. PJM has primary responsibility for grid operation and planning the PJM Transmission System. PJM must determine whether a line is part of the PJM Transmission System when it performs interconnection studies. The key criteria for such determinations are whether the line is a Reportable Transmission Facility and a Monitored Transmission Facility.

PJM defines Reportable Transmission Facility to mean transmission lines for which:

Transmission Owners are required to report scheduled and forced outages for Reportable Transmission Facilities. Outage information is reported through eDART and through the status obtained via computer link to the EMS. A Transmission Facility is reportable if a change of its status can affect, or has the potential to affect, a transmission constraint on any Monitored Transmission Facility. A facility is also reportable if it impedes the free-flowing ties within the PJM RTO and/or adjacent areas. Facilities can be designated Yes, Low or No. See description below under "PJM

Status” for an explanation of these designations. For more information about Outage Reportable facilities see [PJM] Manual 3a: Energy Management System Model Updates and Quality Assurance.<sup>5</sup>

PJM defines Monitored Transmission Facility as follows:

Monitored Transmission Facilities are identified by the Transmission Owner and evaluated by PJM in accordance with the requirements of [PJM] Manual 3a: Energy Management System Model Updates and Quality Assurance, Section 2.4.2. Observable Facilities accepted by PJM as part of congestion control. Monitored Transmission Facilities are monitored and controlled for limit violations using PJM’s Security Analysis programs. Controlling limit violations on Monitored Transmission Facilities may result in constrained operation including re-dispatch and/or TLR curtailments. PJM Open Access Transmission Tariff (OATT) Facilities operating at less than 230 kV may be monitored for any of the following criteria:

- Vital to the operation of the PJM RTO
- Affects the interconnected operation of the PJM RTO with other Control Areas
- Affects the capability and reliability of generating facilities or the power system model that is used by PJM to monitor these facilities
- Significantly impact transmission facilities with a nominal voltage of 230 kV or greater if outaged
- Affects the PJM Energy Market if outaged
- May result in constrained operations to control limit violations

Facilities in the posted information can be designated Not Monitored, Reliability & Markets, Reliability-BES, Status Only,

---

<sup>5</sup> See PJM Transmission Providers Facilities List On-Line Help (April 5, 2016), <<https://www.pjm.com/-/media/markets-ops/trans-service/trans-fac-help.ashx?la=en>>.

External Reliability, External Status Only, Reliability Non-BES, GSUs, Future.<sup>6</sup>

PJM's criteria for defining Reportable Transmission Facilities and Monitored Transmission Facilities are the appropriate criteria to determine what constitutes the PJM Transmission System and what facilities are not part of the PJM Transmission System. Facilities which are not part of the PJM Transmission System are the responsibility of the owner of the local distribution system at their point of interconnection.

Mechanicsville Solar bears the burden to prove that the Mechanicsville Solar Facility is located on the PJM Transmission System and is eligible for compensation under Schedule 2 of the OATT. Mechanicsville Solar has failed to meet its burden.

The Market Monitor does not assert that voltage level alone determines which lines are included in the PJM Transmission System.<sup>7</sup> The voltage level can serve as an indicator, but is not dispositive of whether a facility is on the PJM Transmission System and therefore entitled to receive payment from PJM for reactive capability.

Factors showing a lack of PJM control over dispatch of generation units or the exemption of units from the obligation to provide reactive capability would reinforce the case that certain units are ineligible. The reverse is not true. Factors showing PJM control over dispatch decisions would not substitute for the failure to establish that the unit interconnects to the PJM Transmission System and provides reactive capability to PJM.

Mechanicsville Solar does not establish that PJM ever dispatches the Mechanicsville Solar Facility to provide reactive power to the PJM Transmission System.

Simply showing that a unit may respond to PJM dispatch instructions does not demonstrate PJM's reliance on the unit to provide reactive capability within the specific

---

<sup>6</sup> See PJM Manual 3a: Energy Management System (EMS) Model Updates and Quality Assurance (QA) Rev. 19 (Nov. 19, 2020); PJM Transmission Providers Facilities List On-Line Help, (April 5, 2016), <<https://www.pjm.com/-/media/markets-ops/trans-service/trans-fac-help.ashx?la=en>>.

<sup>7</sup> Cf. Mechanicsville Solar at 2 n.2.

scope of Schedule 2 to the OATT. The obligation to follow PJM dispatch is not the same thing as providing reactive capability to the PJM Transmission System. Pseudo tied units are explicitly excluded from eligibility to file for reactive rates under Schedule 2 of the OATT.<sup>8</sup> Like the Mechanicsville Solar Facility, pseudo tied units are not located on the PJM Transmission System. The Mechanicsville Solar Facility and similarly situated units (off the PJM Transmission System) should not receive compensation from PJM for reactive capability for the same reasons that pseudo tied facilities do not receive compensation. Limiting eligibility for PJM reactive capability payments to facilities located on the PJM Transmission System is consistent with how the PJM Transmission System is planned and operated. Reactive power is different from real power because it is local.<sup>9</sup>

Mechanicsville Solar has not met its burden to establish the eligibility of the Mechanicsville Solar Facility to receive payments for reactive capability under Schedule 2 of the OATT. The Market Monitor's motion should be granted and the filing should be rejected.

---

<sup>8</sup> See OA Schedule 1 § 1.12.

<sup>9</sup> See FERC, Payment for Reactive Power, Commission Staff Report, Docket No. AD14-17 (April 22, 2014) at 5.

## II. CONCLUSION

The Market Monitor respectfully requests that the Commission afford due consideration to these comments and grant its motion to reject the Mechanicsville Solar Filing with prejudice.

Respectfully submitted,



---

Jeffrey W. Mayes

General Counsel  
Monitoring Analytics, LLC  
2621 Van Buren Avenue, Suite 160  
Eagleville, Pennsylvania 19403  
(610) 271-8053  
*jeffrey.mayes@monitoringanalytics.com*

Joseph E. Bowring  
Independent Market Monitor for PJM  
President  
Monitoring Analytics, LLC  
2621 Van Buren Avenue, Suite 160  
Eagleville, Pennsylvania 19403  
(610) 271-8051  
*joseph.bowring@monitoringanalytics.com*

Thomas Blair  
Senior Analyst  
Monitoring Analytics, LLC  
2621 Van Buren Avenue  
Eagleville, Pennsylvania 19403  
(610) 271-8050  
*thomas.blair@monitoringanalytics.com*

Dated: June 28, 2021

## CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated at Eagleville, Pennsylvania,  
this 28<sup>th</sup> day of June, 2021.



---

Jeffrey W. Mayes

General Counsel

Monitoring Analytics, LLC

2621 Van Buren Avenue, Suite 160

Eagleville, Pennsylvania 19403

(610) 271-8053

*jeffrey.mayes@monitoringanalytics.com*