Member Communications Issue

MRC Meeting

June 26, 2014

- This issue was raised by Members interested in purchasing PJMNet connections.

- April 7, 2014: FERC Approval of Tariff changes effective

- Today: Seeking endorsement from the MRC of implementing Manual revisions

3.2.4   PJMnet Communications System

PJM will provide PJMnet network connections and router(s) at the member company location.

All Transmission Control Centers used for PJM controlled transmission facilities will receive a redundant PJMNet connection with optional additional circuit(s) to their disaster recovery location(s).

Availability and qualification for other links is described in Exhibit 3: Guidelines for Metering Installation of Manual 14-D.

(http://www.pjm.com/documents/~/media/documents/manuals/m14d.ashx)

4.1 Computer System Data Exchange

4.1.1 PJM*net* Communications System

… A Voting Member (as defined in the Operating Agreement) for their generation assets as described in Exhibit 3: Guidelines for Metering Installation will receive one PJM*net* connection. A Voting Member has the option to request that PJM provide, at the Voting Member's sole cost and expense, up to five additional PJM*net* connections.
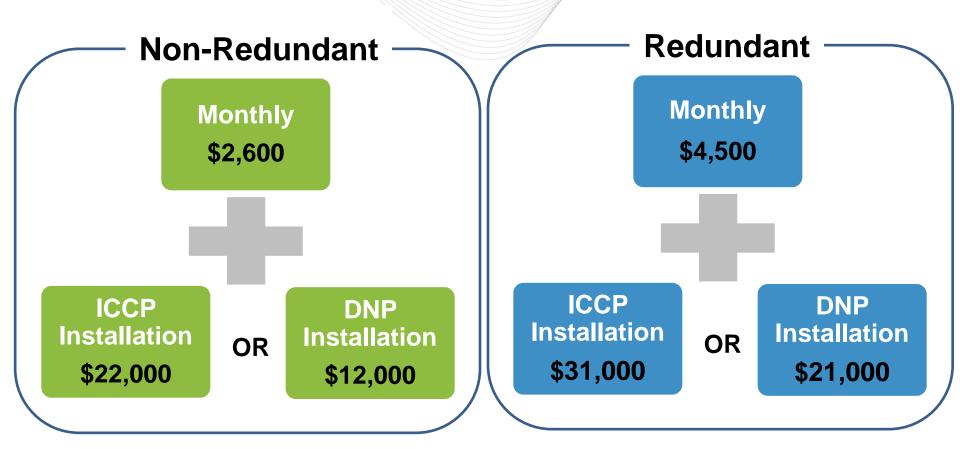
Connection Type	Aggregate Generator Size	Metering Installation				
		Intelligent Electronic Device	Data Model	Configuration	Monitoring Period	Protocol
Internet SCADA	Very Small (<10 MW)	Data Concentrator	All data types available OR Collect MWh and MVARh only	Dedicated TCP/IP with encryption gateway over secure internet.	varies	DNP 3.0
Internet SCADA	Small (10–100 MW)	Data Concentrator	All data types available	Dedicated TCP/IP with encryption gateway over secure internet.	varies	DNP 3.0
PJMnet	Medium (>100–500 MW)	Data Concentrator	All data types available	Dedicated TCP/IP with single router to redundant frame relay networks.	2 – 10 Second Periodic	DNP 3.0 or ICCP
PJMnet	Large >500 MW)	Data Concentrator, SCADA, EMS or GMS	All data types available	Dedicated TCP/IP with dual routers to redundant frame relay networks–Single Local Area Network	2 – 10 Second Periodic	DNP 3.0 or ICCP

Non-Redundant

Monthly
$2,600

+

ICCP Installation
$22,000

OR

DNP Installation
$12,000

Redundant

Monthly
$4,500

+

ICCP Installation
$31,000

OR

DNP Installation
$21,000

* values for discussion purposes

To implement the proposed clarifications and new rules, PJM proposes the following revisions:

- Manual 1, Section 3.2.4

- Manual 14-D, Section 4.1

- Operating Agreement, Schedule 3

- Tariff, Schedule 11A (new)

- Tariff, Att. K-Appendix and Operating Agreement, Schedule 1, Sections 1.74,1.75, 1.7.12 and 1.7.20