



TO: David Plyman
FROM: Jason Bird, Superintendent of Electric Operations
DATE: May 2, 2016
SUBJECT: ICCP Integrations with PJM and Grid Force

Recently Rochelle Municipal Utilities (RMU) successfully completed the steps necessary to receive a \$1.2M annual transmission tariff from NERC. In order to support this it was essential to integrate RMU's SCADA network with its Regional Transmission Operator, PJM, and integrate with Grid Force to act as RMU's transmission operations center. PJM receives real-time information from RMU, which is used along with information from utilities across its territory, to monitor the stability of the transmission grid. Grid Force monitors RMU's system as well, acting as RMU's 24x7 eyes and ears for this and other essential activities.

Given the criticality of these integrations to RMU and PJM daily operations, RMU is requesting authorization to strengthen the way in which it integrate its system with both PJM and Grid Force. The industry standard for performing integrations such as these is use of a technology known as ICCP (Inter Control Center Protocol). This redundant technology is the standard for securely transferring information between systems as is being described here.

During the initial integrations, project schedules did not allow for expansion of RMU's SCADA system to add support for ICCP. Therefore, working with PJM and Grid Force, RMU was able to find interim solutions acceptable to all entities. These interim solutions allowed RMU to focus on the many other activities that were needed as well.

Both PJM and Grid Force understood the initial time constraints. Both entities however are interested in migrating the connection to ICCP. This migration expands the data available to both entities, improves the integration and security by allowing us to connect over dedicated circuits to their networks.

RMU has now received a quote from its SCADA vendor, OSI, to upgrade RMU's system to support ICCP connections to PJM and Grid Force. The cost of this upgrade is \$63,630. RMU would like to receive authorization to proceed with the integration with PJM and Grid Force using ICCP.

333 Lincoln Highway
Rochelle, IL 61068
www.rmu.net