



# EMS Upgrade Program

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Product - Action Required	Deadline	Who May Be Affected
<p>PJM’s Supervisor Control and Data Acquisition (SCADA) and Automatic Generation Control (AGC) components cut-over from Siemens Spectrum to OSI Monarch system.</p> <p>No actions necessary.</p>	<p><b>May 2023</b></p>	<p>Members with Inter-Control Center Communications (ICCP) or Distributed Network Protocol (DNP) links with PJM.</p>



- SCADA utilizes ICCP and DNP protocols to send and receive telemetered data, such as breaker statuses and generator output. This data is sent to other internal downstream systems within PJM.
- AGC calculates a control signal to maintain system frequency, controls generator output, and provides a backup option to markets-based dispatch.
- PJM is actively working through a comprehensive plan to minimize the impact of transitioning from the Siemens Spectrum to OSI Monarch system.



# EMS Upgrade Program Timeline

2023												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ICCP/DNP Member Link Testing				◆								
Monarch Go-live					◆							

Legend

◆ End Date

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## EMS Upgrade



### Member Hotline

(610) 666 – 8980

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# Appendix

The EMS allows PJM and its members to send and receive telemetered ICCP and DNP data

## **Key Product Features**

- Data Processing
- Alarm Processing
- Generation Control
- Frequency Control
- Economic Dispatch

**PROTECT THE  
POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

