Performance Assessment Interval Trigger Over ICCP Project

Tech Change Forum
February 21, 2018
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Members may begin submitting the EMS Unit Names to PJMTelemetrySupport@pjm.com to receive the PAI over ICCP communication- receiving PAI communications over ICCP is OPTIONAL.

Team is planning the Member Testing Session. Date and Details- Coming Soon!

Reminder: All Call and Emergency Procedures will continue to be the Primary source for communicating Emergency Actions. The Performance Assessment Interval Trigger over ICCP communication is a secondary additional source of communication.
### Performance Assessment Interval Trigger Over ICCP Project

<table>
<thead>
<tr>
<th><strong>WHAT is a Performance Assessment Interval?</strong></th>
<th>The Real-time Settlement Interval for which an Emergency Action has been declared by PJM. Performance Assessment Intervals are delineated by PJM’s declaration of Emergency Actions. Manual 18 Section 8 <em>(Requested Effective Date= 2/1/18)</em></th>
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</thead>
</table>
| **WHERE are Performance Assessment Interval Triggers communicated?** | All Call  

The Emergency Procedures tool informs PJM members, PJM personnel and other interested parties about emergency events (including the Performance Assessment Interval Triggers)  

| **WHY was the Performance Assessment Interval Trigger Over ICCP project started?** | Members requested an additional method of communication of the Performance Assessment Interval Triggers over ICCP  
  
*Emergency Procedures tool will continue to be tool of record for Performance Assessment Interval Triggers* |
### Performance Assessment Interval Triggers

*(Steps 1-10 in Sections 2 and 5 of Emergency Procedures Manual 13)*

<table>
<thead>
<tr>
<th>Warnings</th>
<th>Actions</th>
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</thead>
<tbody>
<tr>
<td>Pre-Emergency Load Management Reduction Action (30, 60 or 120 minute)</td>
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<tr>
<td>Primary Reserve Warning</td>
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<tr>
<td>Maximum Generation Emergency</td>
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<tr>
<td>Emergency Voluntary Energy Only Demand Response Reductions</td>
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<tr>
<td>Voltage Reduction Warning</td>
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<tr>
<td>Curtailment of Non-Essential Building Load</td>
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<tr>
<td>Deploy All Resources Action</td>
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<tr>
<td>Manual Load Dump Warning</td>
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*(Section 5.7 of Emergency Procedures Manual 13)*

| Load Shed Directive |
EXAMPLE
Emergency Procedure Message: Maximum Generation Emergency Action
Date and Time: 4/21/15 18:45
Region: FE-PN (Transmission Zone PA- Former GPU: Penelec (FirstEnergy; FE-East) [MIDATL]

TOOLS for COMMUNICATION
• All Call Issued (Record of Data)
• Emergency Procedure (Record of Data)
  • Maximum Generation Emergency Action Issued in Emergency Procedures Tool
  • Email and text notifications may be set up
• PAI over ICCP Communication
  • Indicator sent via ICCP to units in the FE-PN zone
  • Members to update PI displays for operators to view impacted units
• PJM Now App
  • Alerts may be set up for Emergency Procedure Messages
System Changes and Member Actions

• Updates to ICCP/DNP PI Displays may be made by the members to indicate units impacted by the Performance Assessment Interval Triggers for station operators
• Members will be required to provide confirmation to Opt Into receiving PAI messages over ICCP or DNP
  • Members to email PJMTelemetrySupport@pjm.com
  • Email to include the EMS Unit Name
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