

# Emergency Procedures Refresh


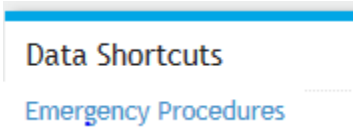

On March 30 2015, PJM will release an updated version of the Emergency Procedures application to eSuite.

Emergency procedures will be posted by all of the standard sources with an enhanced visualization of the information within the Emergency Procedures UI.

Prior to the release into our production environment, we'll publish the application to the Sandbox for testing and integration. February 27 2015 has been selected for release in the Sandbox. A notification of the changes will be broadcast to all affected.

# How to access Emergency Procedures?

Several options exist for accessing Emergency Procedures.

- Via the main eSuite home page menu under Emergency Procedures. 
- From [www.pjm.com](http://www.pjm.com) – click on Emergency Procedures from within the Data Shortcuts group. 
- From eData – click on the Emergencies button in the center of the left frame of the home page. 
- Emergency Procedures is available to the public and does not require special access for reading.

## Postings

Postings | Message Definitions | Message Priorities | Emergency Bid Form

 From \* 01/19/2015 To \* 01/21/2015 Regions ▾ Message Types ▾ PJM Drill Include ▾  Active Only Reset

Last Updated: 01.21.2015 14:46:47 Filters: 01/19/2015 to 01/21/2015; Include PJM Drill

Records Per Page: 15 ▾ (1 of 1) &lt;&lt; &gt;&gt;

| History | Msg ID | Priority      | Message Type                             | Posting Timestamp | Regions | Emergency Message                                                                                                                                                                                                                                                                                                                                                                                             |
|---------|--------|---------------|------------------------------------------|-------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | 46     | Informational | Pre-Emergency Load Mgmt Reduction Action | 01.21.2015 12:37  | ComEd   | As of 15:15 on 01.21.2015 (Notification Time), a Pre-Emergency Load Management has been issued. Load reductions should be in place by end of Notification Time plus lead time and remain in place until released by PJM. Mandatory DR reduction time periods product specific requirements. CSPs should review eLRS for specific registration details. Lead time(s) dispatched: QUICK_3 dispatched: Annual DR |
|         | 31     | Informational | Pre-Emergency Load Mgmt Reduction Action | 01.21.2015 10:36  | ComEd   | As of 15:15 on 01.21.2015 (Notification Time), a Pre-Emergency Load Management has been issued. Load reductions should be in place by end of Notification Time plus lead time and remain in place until released by PJM. Mandatory DR reduction time periods product specific requirements. CSPs should review eLRS for specific registration details. Lead time(s) dispatched: QUICK_3 dispatched: Annual DR |

## A New Look

A quick glance at the updated application reveals a greatly enhanced visual appearance while retaining all of the valuable information you're used to viewing within the Emergency Message.



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| History | Msg ID | Priority      | Message Type                         | Posting Timestamp | Regions             | Emergency Message                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|--------|---------------|--------------------------------------|-------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | 30     | All ▾         | Load Mgmt                            | 01.21.2015 10:34  | Dominion            | 15:15                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|         |        | Informational | Emergency Load Mgmt Reduction Action |                   | A Dominion<br>A AEP | As of 15:15 on 01.21.2015 (Notification Time), a NERC level EEA2 and Emergency Load Reduction Action will be implemented by end of Notification Time plus lead time and remain in place until the end of the day. The load reduction will be based on product specific requirements. CSPs should review eLRS for specific region requirements. Product(s) dispatched: Limited DR, Extended Summer DR. Additional Comments: Once upon a time in a far away RTO...<br><br>PAR WARS! |

Records Per Page: 15 ▾ (1 of 1)

All times are in EPT

## Added Features

To build on the user's experience we've added more web centric features that enable content filtering, sorting and expanded paging. You may include your own date range and gone are the clunky drop down filters.

Posting Timestamp ▾ Regions Emergency Message

02.02.2015 10:12 DOM AEP As of 11:15 on 02.02.2015 (Notification Time), a NERC level EEA2 and Emergency Load Management have been issued. Load reductions should be implemented by end of Notification Time plus lead time and remain in place until released by PJM. Mandatory DR reduction time periods are based on product specific requirements. CSPs should review eLRS for specific registration details. Lead time(s) dispatched: QUICK\_30, SHORT\_60 and LONG\_120 . Product(s) dispatched: Limited DR, Extended Summer DR and Annual DR

02.02.2015 10:11 AEP LRS Details: AEP

Msg ID 31 Region AEP  
 Message Emergency Load Mgmt Reduction Posting 02.02.2015  
 Type Action Timestamp 10:12

| Product ▲          | Lead Time ↕ | Canceled ↕       |
|--------------------|-------------|------------------|
| Annual DR          | QUICK_30    |                  |
| Annual DR          | SHORT_60    |                  |
| Annual DR          | LONG_120    |                  |
| Extended Summer DR | QUICK_30    |                  |
| Extended Summer DR | LONG_120    |                  |
| Extended Summer DR | SHORT_60    |                  |
| Limited DR         | QUICK_30    | 02.02.2015 12:15 |
| Limited DR         | LONG_120    |                  |
| Limited DR         | SHORT_60    | 02.02.2015 12:15 |

Operating Day & Midnight . As indicated in M-13, members are update their unit parameters in eMkt through the Cold Weather Time, Max Run Time, Eco Min/Max and Emergency Min/Max amount of alternate fuel available. - Outages to the alternate e communicated via eMkt. • Gen dispatchers review fuel ansmission/Gen dispatchers review plans to determine if any ion/generating equipment can be deferred/cancelled.

Close

## It's all in the Detail

We now have the ability to display the status of selected region detail from within the current message. When a region is clicked, a detailed view of the region opens with information on specific lead times, products and their end times. Note specifically the ability to show release times for individual lead time and product combinations.



## Message Definitions

Postings

**Message Definitions**

Message Priorities

Emergency Bid Form

| Message Type ▲<br><input type="text"/>           | Definition Ⓞ<br><input type="text"/>                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ^Emerg Mndtry Load Mgmt Short Lead Time Under Hr | The purpose is to request end-use customers registered in PJM's Emergency Mandatory Load Management with Short Lead Time to reduce load. These reductions are issued concurrent with the implementation of Emergency Mandatory Load Management Long Lead Time and/or Short Lead Time and is posted on the NERC Reliability |
| ^VCLC Alert                                      | To alert members of the probable future need of voluntary customer load curtailment. Target: Electric Distribution Companies                                                                                                                                                                                               |
| Cold Weather Alert                               | Is to prepare personnel and facilities for expected extreme cold weather conditions.                                                                                                                                                                                                                                       |
| Curtl Bldg Load                                  | PJM and Member facilities may be implemented at the same time.                                                                                                                                                                                                                                                             |
| Emergency Energy Request                         | This is a request by PJM for emergency purchases of energy. PJM will select which offers are accepted based on price and expected duration of the need. This request is an emergency procedure step. The Emergency Energy Bid Form can be found on the webpage for Emergency Conditions.                                   |
| Emergency Load Mgmt Reduction Action             | The purpose of the Load Management Reduction Action is to provide additional load relief by using PJM controllable load management programs.                                                                                                                                                                               |
| Emergency Voluntary Energy Only Demand Response  | The purpose is to request end-use customers registered in PJM's Emergency Voluntary Energy Only Demand Response to reduce load. These reductions are voluntary.                                                                                                                                                            |

## Expanded Definitions

To assist with sorting through the various message types, we've included a hand reference tab with all pertinent message definitions. The next tab describes the message priorities which are color coded for readability.

```

</xs:complexType>
<xs:element name="Region" type="emergencyprocedures:Region"/>
<xs:complexType name="Region">
  <xs:sequence>
    <xs:element name="regionName" type="sm:RegionName" minOccurs="1" maxOccurs="1"/>
    <xs:element name="regionType" type="sm:RegionType" minOccurs="0" maxOccurs="1"/>
    <xs:element name="LoadManagementDetails" type="emergencyprocedures:LoadManagementDetails" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:element name="LoadManagementDetails" type="emergencyprocedures:LoadManagementDetails"/>
<xs:complexType name="LoadManagementDetails">
  <xs:sequence>
    <xs:element name="product" type="sm:LoadManagementProductCode" minOccurs="1" maxOccurs="1"/>
    <xs:element name="leadTime" type="sm:LoadManagementLeadTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="canceledTimeStamp" type="sm:TerminationDateandTime" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>

```

## Messages and integration

We haven't left out integration by our end user. The updated application arrives with a complete XSD definition file for the custom developer or corporate solution. Emergency Procedures also supports PJM's browser-less application functionality.



My Tools ▾

**pjm** | Emergency Procedures

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| History | Msg ID | Priority      | Message                                 |
|---------|--------|---------------|-----------------------------------------|
|         | 46     | Informational | Pre-Emergen<br>Reduction Ac<br>Load Mgm |
|         | 31     | Informational | Pre-Emergen<br>Reduction Ac             |

Search:

- Non market Post Contingency Local Load Relief W...
- Post Contingency Local Load Relief Warning
- Pre-Emergency Load Mgmt Reduction Action
- Primary Reserve Alert
- Primary Reserve Warning
- Scarcity Pricing Initiated
- Solar Magnetic Disturbance
- Solar Magnetic Disturbance Warning
- Special Notice

Filters: 01/19/2015 to 01/21/2015; Message Ty  
 Page: 15 (1 of 1)  
 Records Per Page: 15 (1 of 1)  
 All times are in EPT

## Question before you go?

If you have questions about the use of the updated UI or the integration of its features, please contact us at [demand\\_response\\_operations@pjm.com](mailto:demand_response_operations@pjm.com) for more information. We hope you enjoy the new look and functionality.