

# MARCH 14, 2018 SRCS Meeting

Josh Berckman- Dispatch

Kevin Hatch – Dispatch

Ryan Lifer – Dispatch

Alpa Jani – Dispatch

- Danny Restucci has retired from PJM and is no longer a member of the SRCS
- New Roles:
  - Chair                      Josh Berckman
  - Secretary                 Kevin Hatch
  - Co-Secretary             Ryan Lifer

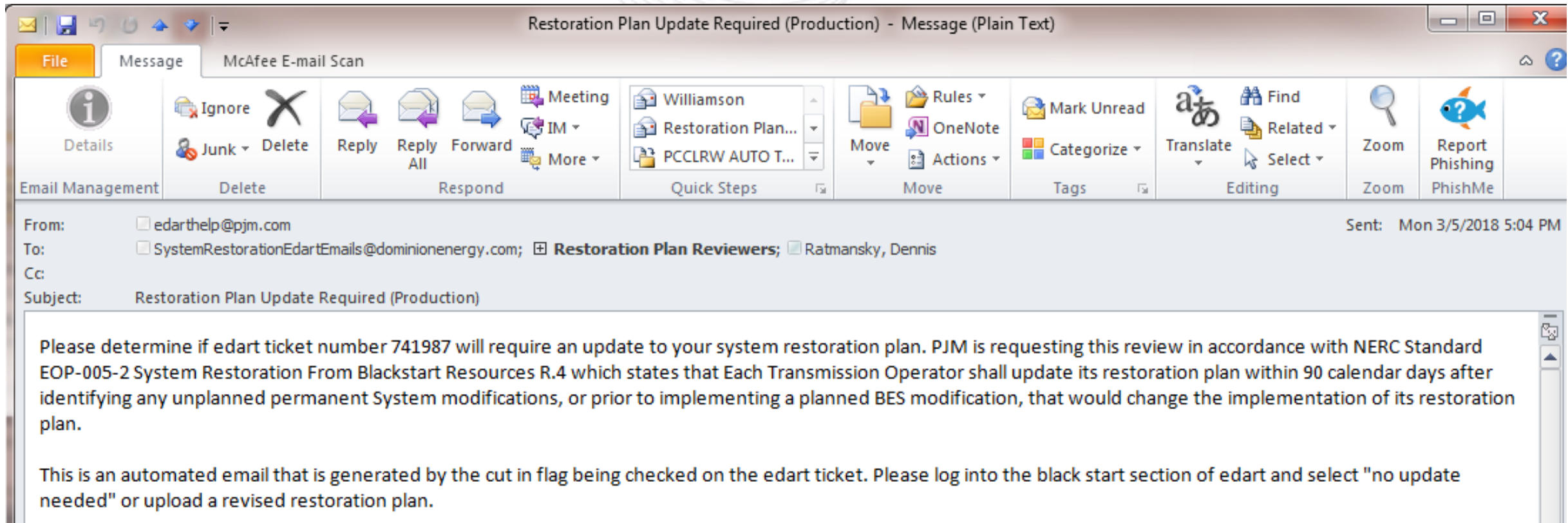


# Restoration Plans

## Email Notification

| Company  | Email   |
|--|---|
| Allegheny Power Control Area                               | grp-edtos_psr_fe_south@firstenergycorp.com      |
| American Transmission Systems, Inc.                        | grp-edtos_psr_fe_west@firstenergycorp.com       |
| Appalachian Power Company (AEP Transmission)               | TOPS_ENGCA@AEP.COM                              |
| Atlantic City Electric Company                             | ACESystemRestoration@pepcoholdings.com          |
| Baltimore Gas and Electric Company                         | #D37-TSOSupportUnit@constellation.com           |
| City of Cleveland, DPU, Division of Cleveland Public Power | KZvomuya@CPP.org                                |
| City of Rochelle, Illinois (RMU - Transmission)            | cji@grid4ce.net                                 |
| Commonwealth Edison Company                                | ComEdSystemRestoration@exeloncorp.com           |
| Dayton Power & Light Company (The) (EDC)                   | DPLTransScheduling@aes.com                      |
| Delmarva Power & Light Company                             | DPLSystemRestoration@pepcoholdings.com          |
| Dominion Virginia Power (EDC)                              | SystemRestorationEdartEmails@dominionenergy.com |
| Duke Energy Ohio, Inc.                                     | Jeff.Baker@duke-energy.com                      |
| Duquesne Light Company                                     | DuqOutages@duqlight.com                         |
| East Kentucky Power Cooperative, Inc.                      | Restoration@ekpc.coop                           |
| GPU Energy   | grp-edtos_psr_fe_east@firstenergycorp.com       |
| ITC Interconnection LLC                                    | EmergPlans@itctransco.com                       |
| PECO Energy Company  | Nicholas.Scurria@exeloncorp.com                 |
| Potomac Electric Power Company                             | emsengineering@pepco.com                        |
| PPL Electric Utilities Corp. dba PPL Utilities (LSE)       | wgskumanich@pplweb.com                          |
| Public Service Electric & Gas Company                      | listc.nwk.esoc.transchd@pseg.com                |
| Rockland Electric Company                                  | ORUcutintickets@oru.com                         |
| UGI Utilities, Inc.  | bkaslavage@ugi.com                              |

- eDART ticket submitted with cut in flag checked
- 30 days until cut in date TO is sent an email
- Tickets are now in order by end time, not start time



## II. Summary of PJM's Proposal

4. PJM now seeks to expand its authority under section 18.7.7 of the Operating Agreement so that it can share with Transmission Owners certain additional generator parameter data—specifically for system restoration planning purposes only—without first obtaining written authorization from the generation owner or operator. PJM proposes sharing data from all generators that are, or will be, identified in a Transmission Owner's system restoration plan, rather than only generators that provide black start service to the Transmission Owner (as the Tariff currently states). PJM proposes that shared data will include, but not be limited to, a unit's start-up times, ramp rate, start-up auxiliary load profile, and emergency low-load operation capabilities.<sup>7</sup>

- Black Start calculator RFP.
- Data by June 1<sup>st</sup>
- Black start, critical units, nuclear
- Other units

| Unit Name | Restoration Type:<br>1.Designated Black start<br>2.Critical Load (< than 4 hrs. start-up)<br>3.Nuclear<br>4.Unit is listed in Restoration Plan document, but not part of Restoration Efforts (no EOP-006 requirements)<br>Note: IF #4 is selected, details to be provided in the Notes section | Unit Type | Max Capacity | Low Load Operating Capability-<br><b>Note: From Blackstart calculator (confirm field name with Ray/Dan)</b> | Primary Fuel Type | Dual Fuel (List Types) | Hot Start Time | Cold Start Time |
|-----------|--|-----------|--------------|---|-------------------|------------------------|----------------|-----------------|
|-----------|--|-----------|--------------|---|-------------------|------------------------|----------------|-----------------|





# 2018 Spring System Restoration Drill and Invitation Update

- Spring Restoration Drill is planned for Tuesday, May 15 and Wednesday, May 16
  - Tuesday May 22 and Wednesday May 23 Alternate Dates
- Phone Checks Scheduled for Thursday May 10, 2018
  - Can TOs support test on Thursday or do we consider alternate date?

- Spring Restoration Drill invitations will be issued on Monday, March 19
- For the 2018 PJM Spring Restoration Drill, the invitations will be sent via email and confirmation for participation will be completed via the PJM survey tool
  - The invitations will NOT be issued from LMS, the transition to the new survey tool will allow for a consolidated tool and tracking for all participants

- The email will be sent to the following contacts associated with the units listed in the TO Restoration Plans:
  - Transmission Operator Contacts
  - Generator Operator Contacts (listed in the Resource Tracker Tool)
  - Training Liaisons (listed in the LMS tool)
- Please note: If there is more than one Transmission Operator or Generator Operator contact for the unit listed in PJM's records, an email with the survey link will be sent to each contact. At least one recipient must respond (multiple responses may be submitted to confirm participation).

Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

From: PJM System Restoration Team <noreply@qemailserver.com> Sent: Fri 2/23/2018 10:00 AM  
To: Jani, Alpa  
Cc:  
Subject: (TEST) 2018 PJM Spring RTO Restoration Drill

External Email! Think before clicking links or attachments.

PJM Transmission Operator or Generation Operator,

On Tuesday, May 15 and Wednesday, May 16, 2018, PJM will be conducting a system-wide RTO restoration drill. On **Thursday, May 10**, communication systems for the drill will be tested.

To make the training and learning experience of the restoration drill as successful as possible, PJM is requesting your participation in this exercise. You are requested to participate in the restoration drill based on having unit that meet the following requirements: nuclear unit(s), black start unit(s) or unit(s) with a hot time to start of 4 hours or less. This request is in order to be compliant with NERC Standard EOP 006-2, R10.1.

*Each Reliability Coordinator shall request each Transmission Operator identified in its restoration plan and each Generator Operator identified in the Transmission Operators' restoration plans to participate in a drill exercise or simulation at least every two calendar years.*

Communications is an extremely important part of any restoration. For this drill, it is imperative, because with the absence of telemetered data, PJM will be updating our Operator Training System (OTS) manually and compiling our drill log with the information provided by your system operators. This information should include:

- An initial assessment
- Unit availability
- Units brought online (Hourly Generation Report)

Confirm your participation in the drill by responding to the survey below with your participation. If an alternate phone number is to be used during the drill, please provide it.

[Take the Survey](#)



# Spring 2018 System Restoration Drill Invitation Email

- TO/GO contact will be requested to click on the survey tool link to confirm participation.
  - Participation: Yes or No
  - Alternate phone number for participation
    - (real time desk will be used as default)

PJM.com | PJM Tools



## 2018 PJM Spring System Restoration Drill

Alpa Jani, you are invited to participate in this year's Spring System Restoration Drill on behalf of Dynegy.  
alpa.jani@pjm.com

Please confirm that your company plans to participate.

Yes

No


PJM will contact you on your real-time dispatch phone number. If you prefer to use an alternate number to participate in the drill exercise, please provide that number below:

610-666-4413

Next

©2018

- Contact will receive confirmation message for participation after survey is completed AND confirmation email
- The confirmation email will include a link to the Drill Information Packet

From:  Survey Response Thank You <noreply@qemailserver.com>  
To:  Jani, Alpa  
Cc:  
Subject: 2018 PJM Spring System Restoration Drill Email

Alpa,

**External Email! Think before clicking links or attachments.**

Thank you for responding to the 2018 PJM Spring System Restoration Drill. Your response is listed below.

Alpa Jani

[alpa.jani@pjm.com](mailto:alpa.jani@pjm.com)

Your participation response: Yes

If provided, your alternate phone number: 610-666-4413

[Restoration Packet](#) (PDF)

If you have any questions please contact:

[Josh Berkman](#)

[Kevin Hatch](#)



# Restoration Drill SharePoint

- TOs had a chance to use SharePoint in 2017 Fall Drills
- SharePoint will be used by TOs to submit the following:
  - OE-417
  - Company Initial Restoration Report
  - Generation Restoration Report
  - Transmission Restoration Report
    - Every 10 lines or 30 minutes
- There will be the ability to “attach” documents to SharePoint as well



- User Names / Passwords will be created and distributed to TOs by PJM
- PJM will provide a PowerPoint presentation explaining how to navigate SharePoint prior to the drill
- If there is an issue with SharePoint and it can not be Used during the Drill PJM will use the TO specific email addresses from the 2017 Spring Restoration Drill

Any Questions concerning SharePoint?



# 2018 Fall Restoration Drills

- September 24, 2018 – November 2, 2018
- PJM needs the following information:
  - Preferred Date(s)
  - TO simulator or PJM Simulator (Milford)
    - If you are planning on using PJM simulator, how many operators will be attending?

# Future Meeting Dates

- April 18, 2018
- May 10, 2018