

From: James McCloskey [mailto:jmccloskey@cenhud.com]
Sent: Tuesday, October 20, 2009 10:13 AM
To: Mahlmann, David
Subject: RE: Self Certification of TO restoration plans and training - CHGE Response (20091020)

Dave - Please see CHGE responses below and attached revised System Restoration Operating Procedure. Please let me know if you require anything further at this time. Thanks - Jim

From: Mahlmann, David [mailto:DMahlmann@nyiso.com]
Sent: Thursday, October 08, 2009 1:59 PM
To: Panzica, Len; btgordon@nyseg.com; Tavormina, John; dvoos@service.lipower.org; jmccloskey@cenhud.com; Maiocco, Louis; richard.handzel@us.ngrid.com; taftd@coned.com; Mahlmann, David
Cc: Elacqua, Anthony; Campoli, Gregory
Subject: Self Certification of TO restoration plans and training - please responds by OCT 22.

TO Members of the Retoration Working Group,

It is that time of year again to self-certify that your restoration plans, and the training of your staff on your plans, is in conformance with New York State Reliability Rule G. The rule was updated this year through PRR#99.

Please self certify that your Transmission Owner restoration plan conforms to the NYSRC Reliability Rule G requirement listed below, and provide the requested dates

- 1 - TO restoration plan has been established, and is maintained. (G-M2) - **YES**
- 2 - TO restoration plan is reviewed annually. (G-M2) - **YES**
- 3 - TO restoration plan identifies black start resources that are necessary for system restoration (G-M1.6) - **YES**
- 4 - TO restoration plan addresses testing requirement of black start resources. (G-M2) - **YES**
- 5 - TO conducts annual training of their operating personnel on their SRP procedures (G-M3) - **YES**
- 6 - TO restoration plan is consistent with NYSRC, NPCC and NERC Criteria (G-M1.2) - **YES**
- 7 - TO restoration plan identifies procedures to address loss of telecommunications (G-M1.7) - **YES**
- 8 - TO restoration plan identifies protocols for disseminating information to operating entities identified in the plan (G-M1.8) - **YES**
- 9 - TO restoration plan identifies guidelines which provide the basis for alternative restoration (G-M1.12) - **YES**
- 10 - Date of most recent TO restoration plan review - **9/01/2009**
- 11 - Date of the current TO restoration plan - **9/01/2009 (attached)**
- 12 - Date of most recent completion of annual SRP training for TO operating personnel - **Lesson Plan under revision to reflect revised SRP; Training Expected Completion Date 11/30/2009**

Listed below are the reference Rule G measures.

Please respond by Oct 22.

If you have any questions, please let me know.

David Mahlmann
NYISO
Manager, Operations Engineering
518-356-6101
dmahlmann@nyiso.com

From: Maiocco, Louis [mailto:MAIOCCOL@coned.com]
Sent: Thursday, October 22, 2009 12:19 PM
To: Mahlmann, David
Cc: Taft, Daniel; Dong, George; Thompson, Edwin; Maiocco, Louis
Subject: FW: Self Certification of TO restoration plans and training

Dave, below is Con Ed's response to the self certification request.

From: Mahlmann, David [mailto:DMahlmann@nyiso.com]
Sent: Thursday, October 08, 2009 1:59 PM
To: 'Panzica, Len'; 'btgordon@nyseg.com'; Tavormina, John; dvoos@service.lipower.org; 'jmcloskey@cenhud.com'; Maiocco, Louis; 'richard.handzel@us.ngrid.com'; Taft, Daniel; Mahlmann, David
Cc: Elacqua, Anthony; Campoli, Gregory
Subject: Self Certification of TO restoration plans and training - please responds by OCT 22.

TO Members of the Restoration Working Group,

It is that time of year again to self-certify that your restoration plans, and the training of your staff on your plans, is in conformance with New York State Reliability Rule G. The rule was updated this year through PRR#99.

Please self certify that your Transmission Owner restoration plan conforms to the NYSRC Reliability Rule G requirement listed below, and provide the requested dates

- 1 - TO restoration plan has been established, and is maintained. (G-M2) **Yes**
- 2 - TO restoration plan is reviewed annually. (G-M2) **Yes**
- 3 - TO restoration plan identifies black start resources that are necessary for system restoration (G-M1.6) **Yes**
- 4 - TO restoration plan addresses testing requirement of black start resources. (G-M2) **Contained in a Con Edison Procedure**
- 5 - TO conducts annual training of their operating personnel on their SRP procedures (G-M3) **Yes**
- 6 - TO restoration plan is consistent with NYSRC, NPCC and NERC Criteria (G-M1.2) **Yes**
- 7 - TO restoration plan identifies procedures to address loss of telecommunications (G-M1.7) **Yes**
- 8 - TO restoration plan identifies protocols for disseminating information to operating entities identified in the plan (G-M1.8) **Yes**
- 9 - TO restoration plan identifies guidelines which provide the basis for alternative restoration (G-M1.12) **Yes**
- 10 - Date of most recent TO restoration plan review January 2009
- 11 - Date of the current TO restoration plan June 2009
- 12 - Date of most recent completion of annual SRP training for TO operating personnel. **Feb 19, 2009.**

Please respond by Oct 22.

If you have any questions, please let me know.

David Mahlmann

NYISO

Manager, Operations Engineering

518-356-6101

dmahlmann@nyiso.com

From: Appelbaum, Jonathan M. [mailto:jappelbaum@service.lipower.org]

Sent: Thursday, October 22, 2009 8:59 AM

To: Mahlmann, David

Cc: Voos, Douglas A.; Philip, Anie

Subject: RE: Self Certification of TO restoration plans and training - please responds by OCT 22.

This email reports LIPA has reviewed its compliance with the New York State Reliability Council Rule G and is compliance with the requirements of the Rule. LIPA is also providing the additional dates requested in your email.

- 1 TO restoration plan has been established, and is maintained. (G-M2) - Compliant
- 2 TO restoration plan is reviewed annually. (G-M2) - Compliant
- 3 TO restoration plan identifies black start resources that are necessary for system restoration (G-M1.6) - Compliant
- 4 TO restoration plan addresses testing requirement of black start resources. (G-M2) - Compliant
- 5 TO conducts annual training of their operating personnel on their SRP procedures (G-M3) - Compliant
- 6 TO restoration plan is consistent with NYSRC, NPCC and NERC Criteria (G-M1.2) - Compliant
- 7 TO restoration plan identifies procedures to address loss of telecommunications (G-M1.7) - Compliant
- 8 TO restoration plan identifies protocols for disseminating information to operating entities identified in the plan (G-M1.8) - Compliant
- 9 TO restoration plan identifies guidelines which provide the basis for alternative restoration (G-M1.12) - Compliant
- 10 Date of most recent TO restoration plan review 10/19/09
- 11 Date of the current TO restoration plan 10/19/09
- 12 Date of most recent completion of annual SRP training for TO operating personnel 8/18/09

If further information is required pertaining to this certification is required please contact either myself or Doug Voos.

Very truly yours,
Jonathan Appelbaum
LIPA

From: Gordon, Brian [mailto:BTGordon@nyseg.com]

Sent: Thursday, October 22, 2009 10:49 AM

To: Mahlmann, David

Cc: Mackin, Scott; Crandall, Jeffrey; Craven, Michael

Subject: Re: Self Certification of TO restoration plans and training (response that was required for OCT 22)

NYSEG and RGE have self-certified all of the following requirements from the transmission owner perspective.

Enclosed please find NYSEG (Blue) and RGE (Red) responses for the self – certification of TO restoration plans and training

1 - TO restoration plan has been established, and is maintained. (G-M2)

NYSEG TO restoration plan has been established and is currently maintained using three documents: NYISO Isolation Procedure for NYSEG system, NYISO Restoration Switching Procedure for the NYSEG system, and NYSEG Generation Path Restoration Procedure.

RGE TO Restoration plan has been established and is currently maintained. It consists of a RGE Procedure Overview, RGE Restoration Procedure and 12 reference switching orders.

2 - TO restoration plan is reviewed annually. (G-M2)

The NYSEG TO restoration plan is reviewed annually before operator spring training and is verified through the training simulator.

The RGE TO restoration plan is reviewed at least annually before operator spring training and is verified through the training simulator.

3 - TO restoration plan identifies black start resources that are necessary for system restoration (G-M1.6)

NYSEG does not have any NYISO black start units within our service territory.

RGE does not have any NYISO black start units within our service territory.

4 - TO restoration plan addresses testing requirement of black start resources. (G-M2)

NYSEG does not have any NYISO black start units within our service territory.

RGE does not have any NYISO black start units within our service territory.

5 - TO conducts annual training of their operating personnel on their SRP procedures (G-M3)

NYSEG conducts annual Emergency Preparedness Training in the spring of each year. This is a one week training program for the operators and it includes training and simulation exercises utilizing the NYISO SRP (isolation and restoration) plan and restoration of NYSEG load.

RGE conducts annual Emergency Preparedness Training in the spring of each year. This is a one week training program for the operators and it includes training and simulation exercises utilizing the NYISO SRP (isolation and restoration) plan and restoration of RGE load. Generator Operators are invited to attend on one of these days.

6 - TO restoration plan is consistent with NYSRC, NPCC and NERC Criteria (G-M1.2)

The NYSEG TO restoration plan includes the NYISO restoration steps in the switching and is the primary means of restoring load to the NYSEG service territory following a major blackout. Internal documents reference NERC EOP 005, NPCC Directory #8, NYSRC Reliability Rule G, and NYISO Emergency Operation Manual Section 6.0 and it is consistent with their criteria.

The RGE TO restoration plan includes the NYISO restoration steps in the switching and is the primary means of restoring load to the RGE service territory following a major blackout. Restoration plan is carried out consistent with NYSRC, NPCC and NERC criteria. Internal documents reference NERC EOP 005, NPCC Directory #8, NYSRC Reliability Rule G, and NYISO Emergency Operation Manual Section 6.0.

7 - TO restoration plan identifies procedures to address loss of telecommunications (G-M1.7)

NYSEG references the NYISO Emergency Operation's Manual section 8 for the loss of voice communications and the NYSEG Standard Operations Procedure SOP 04-07 for loss of RTU communications. NYSEG operators communicate the coordination restoration activities as specified in NYISO Emergency Operation's Manual section 6.1.

RGE Restoration plan references the NYISO Bulk power restoration plan. Operators utilize local transmission owner communications to coordinate restoration activities as specified in NYISO Emergency Operation's Manual section 6.1. Communications with other transmission owners and control areas follows the NYISO Emergency Operation's Manual section 8 for the loss of voice communications. The RGE System Operations Procedure "Remote Terminal Unit (RTU) Communications Failures" specifies operator response for loss of RTU communications.

8 - TO restoration plan identifies protocols for disseminating information to operating entities identified in the plan (G-M1.8)

NYSEG TO Restoration plan follows the NYISO Restoration process and manuals related to communications with other operating entities in the restoration of the power system. The NYSEG TO restoration plan includes the NYISO SRP restoration step numbers for each portion of the restoration switching and uses communication protocols consistent with NYISO Restoration's Manual section 4.

RGE TO Restoration plan follows the NYISO Restoration process and manuals related to communications with other operating entities in the restoration of the power system. The communication procedures associated with restoration are found in the NYISO Restoration Manual, Section 4. RGE TO Restoration plan references the appropriate manuals and System Operations procedures to reference.

9 - TO restoration plan identifies guidelines which provide the basis for alternative restoration (G-M1.12)

NYISO Emergency Operation Manual Section 6 states the following: "Since the exact extent or nature of a disturbance cannot be predicted, procedures are prepared as general guidelines." This concept is understood with all of our NYSEG restoration procedures that are centered on the NYISO SRP for restoring NYSEG load. Training and drill simulator scenarios verify the operator's ability to deviate from the detailed written plan during maintenance and/or forced outage conditions.

The RGE TO Restoration plan is centered on the NYISO Restoration plan as the primary means of restoring the Rochester load area. Referenced switching orders provide instructions for alternate means of restoration. The strategy of the NYISO restoration plan is addressed in NYISO System Restoration Manual, Section 1.2 and NYISO Emergency Operations Manual, Attachment B. This documentation is referenced in the RGE TO Restoration plan.

10 - Date of most recent TO restoration plan review _____

The NYSEG TO restoration plan was last reviewed on September 22, 2009.

The RGE TO Restoration plan was last reviewed on 5/8/09

11 - Date of the current TO restoration plan _____

The NYSEG TO restoration plan was last revised on February 10, 2009 after the addition of the last wind power unit.

The RGE TO Restoration plan was last revised on 4/24/09 prior to Spring Emergency Preparedness training.

12 - Date of most recent completion of annual SRP training for TO operating personnel _____

NYSEG conducted multiple one week sessions of the annual Emergency Preparedness Training (EPT) for all operators covering six weeks from April 27, 2009 to June 5, 2009. During the EPT, the operators studied and performed simulator exercises utilizing the NYISO SRP (isolation and restoration) plan and restoration of NYSEG load. NYSEG participated in Spring NYISO SOTS training which covered restoration simulation exercises with the NYISO and other transmission owners. NYSEG also participated in the NYISO drill on April 29, 2009 with the training simulator in parallel with the NYISO drill exercises.

RGE conducted multiple one week sessions of the annual Emergency Preparedness Training (EPT) for all operators covering six weeks from April 27, 2009 to June 5, 2009. During the EPT, the operators studied and performed simulator exercises utilizing the NYISO SRP (isolation and restoration) plan and restoration of RGE load. RGE participated in Spring NYISO SOTS training which covered restoration simulation exercises with

the NYISO and other transmission owners. RGE also participated in the NYISO drill on April 29, 2009 with the training simulator in parallel with the NYISO drill exercises.

From: Panzica, Len [mailto:Len.Panzica@nypa.gov]

Sent: Tuesday, October 20, 2009 8:55 AM

To: Mahlmann, David; 'btgordon@nyseg.com'; Tavormina, John; dvoos@service.lipower.org; 'jmcloskey@cenhud.com'; 'Maiocco, Louis'; 'richard.handzel@us.ngrid.com'; taftd@coned.com

Cc: Elacqua, Anthony; Campoli, Gregory

Subject: RE: Self Certification of TO restoration plans and training - please responds by OCT 22.

David,

My responses are entered below.

As we discussed last year and reiterated in my voice-mail of earlier today, NYPA's TO plan is essentially contained within the NYISO SRP, as such my responses should match up with the dates of the annual restoration drill and the NYISO Restoration Switching Procedure.

Len

From: Mahlmann, David [mailto:DMahlmann@nyiso.com]

Sent: Thursday, October 08, 2009 1:59 PM

To: Panzica, Len; 'btgordon@nyseg.com'; Tavormina, John; dvoos@service.lipower.org; 'jmcloskey@cenhud.com'; 'Maiocco, Louis'; 'richard.handzel@us.ngrid.com'; taftd@coned.com; Mahlmann, David

Cc: Elacqua, Anthony; Campoli, Gregory

Subject: Self Certification of TO restoration plans and training - please responds by OCT 22.

TO Members of the Retoration Working Group,

It is that time of year again to self-certify that your restoration plans, and the training of your staff on your plans, is in conformance with New York State Reliability Rule G. The rule was updated this year through PRR#99.

Please self certify that your Transmission Owner restoration plan conforms to the NYSRC Reliability Rule G requirement listed below, and provide the requested dates

NYPA Self-Assessment Responses:

- 1 - TO restoration plan has been established, and is maintained. (G-M2) ...YES
- 2 - TO restoration plan is reviewed annually. (G-M2) ...YES
- 3 - TO restoration plan identifies black start resources that are necessary for system restoration (G-M1.6) ...YES
- 4 - TO restoration plan addresses testing requirement of black start resources. (G-M2) ...YES
- 5 - TO conducts annual training of their operating personnel on their SRP procedures (G-M3) ...YES
- 6 - TO restoration plan is consistent with NYSRC, NPCC and NERC Criteria (G-M1.2) ...YES
- 7 - TO restoration plan identifies procedures to address loss of telecommunications (G-M1.7) ...YES
- 8 - TO restoration plan identifies protocols for disseminating information to operating entities identified in the plan (G-M1.8) ...YES
- 9 - TO restoration plan identifies guidelines which provide the basis for alternative restoration (G-M1.12) ...YES
- 10 - Date of most recent TO restoration plan review 4/29/2009
- 11 - Date of the current TO restoration plan 2/24/2009
- 12 - Date of most recent completion of annual SRP training for TO operating personnel 4/29/2009

Listed below are the reference Rule G measures.

Please respond by Oct 22.

If you have any questions, please let me know.

David Mahlmann
NYISO

Manager, Operations Engineering

From: Handzel, Richard J. [mailto:Richard.Handzel@us.ngrid.com]
Sent: Tuesday, October 13, 2009 4:03 PM
To: Mahlmann, David; Len.Panzica@nyopa.gov
Cc: Schiavone, Michael L.; McSorley, Andrew J.; Antonio, Matthew D.
Subject: RE: Self Certification of TO restoration plans and training - please responds by OCT 22.

David,

Mike Schiavone, Andrew McSorley, and I looked over the documentation of the NGrid restoration plan and for operator training, and we believe that we are compliant with all of the items.

As far as dates go ... See below for addition comments.

Let us know if this submission meets the expectations you were looking to receive.

Rich

Richard Handzel, PE
National Grid
315-460-2440
Richard.Handzel@us.ngrid.com

From: Mahlmann, David [mailto:DMahlmann@nyiso.com]
Sent: Thursday, October 08, 2009 1:59 PM
To: 'Panzica, Len'; 'btgordon@nyseg.com'; Tavormina, John; Voos, Douglas A.; 'jmcloskey@cenhud.com'; 'Maiocco, Louis'; Handzel, Richard J.; taftd@coned.com; Mahlmann, David
Cc: Elacqua, Anthony; Campoli, Gregory
Subject: Self Certification of TO restoration plans and training - please responds by OCT 22.

TO Members of the Retoration Working Group,

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Please self certify that your Transmission Owner restoration plan conforms to the NYSRC Reliability Rule G requirement listed below, and provide the requested dates

- 1 - TO restoration plan has been has been established, and is maintained. (G-M2)
- 2 - TO restoration plan is reviewed annually. (G-M2)
- 3 - TO restoration plan identifies black start resources that are necessary for system restoration (G-M1.6)
- 4 - TO restoration plan addresses testing requirement of black start resources. (G-M2)
- 5 - TO conducts annual training of their operating personnel on their SRP procedures (G-M3)
- 6 - TO restoration plan is consistent with NYSRC, NPCC and NERC Criteria (G-M1.2)
- 7 - TO restoration plan identifies procedures to address loss of telecommunications (G-M1.7)
- 8 - TO restoration plan identifies protocols for disseminating information to operating entities identified in the plan (G-M1.8)
- 9 - TO restoration plan identifies guidelines which provide the basis for alternative restoration (G-M1.12)

10 - Date of most recent TO restoration plan review _ [Prior to June 30, 2009](#) * _ (* We don't have a specific date; obviously, it was reviewed before we revised it.)

11 – Date of the current TO restoration plan _ [June 30, 2009](#) _

12 - Date of most recent completion of annual SRP training for TO operating personnel _ [For SSOs - May 14, 2009 and June 4, 2009; for ROs - October 1, 2009 and October 8, 2009](#) _

Listed below are the reference Rule G measures.

Please respond by Oct 22.

If you have any questions, please let me know.

David Mahlmann

From: Tavormina, John [mailto:tavorminaj@oru.com]
Sent: Thursday, October 22, 2009 2:38 PM
To: Mahlmann, David
Cc: Buhler, Tom; Poynton, Todd
Subject: NASR self-cert.doc

Orange & Rockland 2009 self-certification of restoration plans per NYSRC Rule G

- 1 - TO restoration plan has been established, and is maintained. **YES. O&R System Operations procedure OI 6-E, revision # 18**
- 2 - TO restoration plan is reviewed annually. **YES. As stated Page 1 OI 6-E-18 - periodicity**
- 3 - TO restoration plan identifies black start resources that are necessary for system restoration **YES. Plans states we have NO black start capable units**
- 4 - TO restoration plan addresses testing requirement of black start resources. **NO, since we have no black-start capable units**
- 5 - TO conducts annual training of their operating personnel on their SRP procedures **YES**
- 6 - TO restoration plan is consistent with NYSRC, NPCC and NERC Criteria **YES. Requires coordination with appropriate RC's & neighboring utilities**
- 7 - TO restoration plan identifies procedures to address loss of telecommunications **YES. Page 2 OI 6-E-18**
- 8 - TO restoration plan identifies protocols for disseminating information to operating entities identified in the plan **YES. In OI 6-E-18 Pages 2 & 12**
- 9 - TO restoration plan identifies guidelines which provide the basis for alternative restoration **YES.**
- 10 - Date of most recent TO restoration plan review **05/06/2009**
- 11 – Date of the current TO restoration plan **05/06/2009**
- 12 - Date of most recent completion of annual SRP training for TO operating personnel **01/26/2009**