

Carol Lynch

From: Adams, John [JAdams@nyiso.com]
Sent: Thursday, April 23, 2009 3:32 PM
To: Philip Raymond; 'Hippius, Joseph J.'
Cc: pgioia@dl.com; eschwerdt@npcc.org; jmosier@npcc.org; pfedora@npcc.org; skopman@npcc.org; 'bob Hiney'; Patka, Carl; Chao, Henry; Gonzales, Rick; eph@nyserda.org; Bart.Franey@us.ngrid.com; Carol.Sedewitz@us.ngrid.com; cdahl@keyspanenergy.com; Chris.Wentlent@AES.com; 'Christopher LaRoe'; ellsworth@conknet.com; fortem@coned.com; Georgepe5@Aol. Com; Glenn.Haake@Dynegy.com; gloehr@eLucem.com; jcfleury@nyseg.com; 'John Hauber'; markc@plmnet.com; mmager@couchwhite.com; Ralph.Rufrano@nypa.gov; 'Richard Bolbrock'; rloughney@couchwhite.com; roger.clayton@electricpowerresources.com; sassonm@coned.com; Steven.Fanning@us.ngrid.com; stjeremko@nyseg.com; Tbush@ippny.org; tduffy@cenhud.com; thomas.piascik@pseg.com; williamclagett@yahoo.com; aadamson@nycap.rr.com; fjvitale@mindspring.com; edward_schrom@dps.state.ny.us; Steven_Keller@dps.state.ny.us
Subject: RE: BES definition

The NYISO TDF results were for everything 100 kV and above.

From: Philip Raymond [mailto:p.raymond40@gmail.com]
Sent: Thursday, April 23, 2009 2:49 PM
To: 'Hippius, Joseph J.'
Cc: pgioia@dl.com; eschwerdt@npcc.org; jmosier@npcc.org; pfedora@npcc.org; skopman@npcc.org; 'bob Hiney'; Patka, Carl; Chao, Henry; Adams, John; Gonzales, Rick; eph@nyserda.org; Bart.Franey@us.ngrid.com; Carol.Sedewitz@us.ngrid.com; cdahl@keyspanenergy.com; Chris.Wentlent@AES.com; 'Christopher LaRoe'; ellsworth@conknet.com; fortem@coned.com; Georgepe5@Aol. Com; Glenn.Haake@Dynegy.com; gloehr@eLucem.com; jcfleury@nyseg.com; 'John Hauber'; markc@plmnet.com; mmager@couchwhite.com; Ralph.Rufrano@nypa.gov; 'Richard Bolbrock'; rloughney@couchwhite.com; roger.clayton@electricpowerresources.com; sassonm@coned.com; Steven.Fanning@us.ngrid.com; stjeremko@nyseg.com; Tbush@ippny.org; tduffy@cenhud.com; thomas.piascik@pseg.com; williamclagett@yahoo.com; aadamson@nycap.rr.com; fjvitale@mindspring.com; edward_schrom@dps.state.ny.us; Steven_Keller@dps.state.ny.us
Subject: RE: BES definition

Joe,

I mentioned the secured facilities list only because the NYISO was providing Roger the TDF results for secured facilities. I thought an apples-to-apples comparison of the two criteria tests might be informative particularly since the ISO-NE approach seems to be fairly straight forward.

I certainly agree with you that the ultimate criterion would have to be applied to the all lines 115kv and above.

Don

From: Hippius, Joseph J. [mailto:Joseph.Hippius@us.ngrid.com]
Sent: Thursday, April 23, 2009 1:56 PM
To: Philip Raymond; roger.clayton@electricpowerresources.com
Cc: pgioia@dl.com; eschwerdt@npcc.org; jmosier@npcc.org; pfedora@npcc.org; skopman@npcc.org; bob Hiney; Carl Patka; Henry Chao; John Adams; Rick Gonzales; eph@nyserda.org; Franey, Bart D.; Sedewitz, Carol A.; Dahl, Curt J.; Chris.Wentlent@AES.com; Christopher LaRoe; ellsworth@conknet.com; fortem@coned.com; Georgepe5@Aol. Com; Glenn.Haake@Dynegy.com; gloehr@eLucem.com; jcfleury@nyseg.com; John Hauber; markc@plmnet.com; mmager@couchwhite.com; Ralph.Rufrano@nypa.gov; Richard Bolbrock; rloughney@couchwhite.com; sassonm@coned.com; Fanning, Steven M.; stjeremko@nyseg.com;

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Steven_Keller@dps.state.ny.us
Subject: RE: BES definition

Don,

I'm not sure I follow your line of thinking on this.

The population against which the BES criteria--whatever they ultimately are--would be applied is the entire list of all lines 115 kV and above in New York State. The secured facilities list is a subset of that, so if you apply this approach to the secured facilities list, you will miss facilities that are not secured facilities but still might be BES.

Joe

From: Philip Raymond [mailto:p.raymond40@gmail.com]
Sent: Thursday, April 23, 2009 1:04 PM
To: roger.clayton@electricpowerresources.com
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Subject: FW: BES definition

Hi Roger,

It would be interesting to see what Mr. Conroy's criterion produces when applied to our secured facilities list.

Don

From: Hipius, Joseph J. [mailto:Joseph.Hipius@us.ngrid.com]
Sent: Thursday, April 23, 2009 8:00 AM
To: Glenn.Haake@Dynergy.com; Don Raymond
Subject: BES definition

At the last NYSRC Executive Committee meeting you asked if I could send you the New England approach for a simple definition of BES. Below is an email from Brian Conroy of CMP that describes it in the simplest form.

Since this was suggested, efforts within the NPCC task force structure have attempted to accommodate a variety of approaches, so this has evolved a lot since then. However, it gives you an idea of how a much simpler framework that does not require calculations and arbitrarily selected cutoff percentages might be used. (Note that I did not include Conroy's attachment as

you really don't need it to understand the concept.)

To my knowledge, nobody in NY has made any attempt yet to determine how much of the NY transmission system 100 kV and above would be included in the BES if this simpler approach were to be applied.

Joe

Joseph J. Hipius

Manager, Transmission Planning - NY

National Grid

(315) 428-5783

From: Conroy, David M. [<mailto:David.Conroy@cmpco.com>]

Sent: Wednesday, March 18, 2009 2:49 PM

To: tfss@npcc.org; john.sabiston@HydroOne.com

Cc: rwburke@iso-ne.com; Walters, Dana; Conroy, Brian; hgmasti@energyeast.com

Subject: NPCC BES "bright line" proposal for consideration

We did a review of a possible subset of substations that would otherwise qualify as BES facilities per the NERC Glossary definition (all facilities >100 kV, except radial). We used the following criterion:

- o Substations that have more than 2 line terminals >100 kV, and/or
- o Substations that interconnect generation > 20 MW.

Out of 61 non-radial CMP substations >100 kV, 36 have more than 2 line terminals or connect more than 20 MW. For CMP's system, this amounts to 59% of all substations meeting this criterion.

I propose that this be considered as a possible 'bright line' to assess NERC compliance, for the following reasons:

- o It is simple and easily understandable (KISS principle)
- o It will not require significant study or review to determine qualification
- o It will not require future study for classification as facilities are modified
- o It is logical that substations with more line terminals are more likely to be important to system reliability

If we do not receive any other proposals before our TFSS meeting on March 23-24, I would like to use this as a working assumption for our discussion on the FERC BES "bright line" evaluation we are being requested to do.

I am also requesting other members to review their systems to find whether such a criterion would produce similar results.

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