

**STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL**

**ISO New England Inc.  
Dockets 370A and 370B**

**Witness: Frank Mezzanotte  
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**OCC-62:      Please provide the formulae that ISO-NE uses in computing unavailable resources for Transmission Security Analyses.**

**Response:**      A discussion of the TSA assumptions appears on pages 9 and 10 of Attachment C (Testimony of Mr. Stephen Rourke) of the ISO's Forward Capacity Auction Results Filing, filed with the Federal Energy Regulatory Commission on March 3, 2008 in Docket No. ER08-633-000.

This filing can be found via the following link to the ISO's website:  
[http://www.iso-ne.com/regulatory/ferc/filings/2008/mar/er08-633-000\\_03-03-08\\_fca\\_results\\_filing.pdf](http://www.iso-ne.com/regulatory/ferc/filings/2008/mar/er08-633-000_03-03-08_fca_results_filing.pdf)

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**OCC-63:** Please provide the basis for the percent of each type of resource assumed unavailable for Transmission Security Analyses, including supporting data for:

- (a) Peakers
- (b) other generation
- (c) demand response
- (d) other demand resources.

**Response:** Please see the response to OCC-62.

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**OCC-64: Please provide all documents prepared by ISO-NE regarding the failure of LFRM resources to activate, since the initiation of the LFRM in October 2006.**

**Response: Public information regarding the Forward Reserve Market can be found via the following links to the ISO's website:**

[http://www.iso-ne.com/markets/othrmkts\\_data/res\\_mkt/index.html](http://www.iso-ne.com/markets/othrmkts_data/res_mkt/index.html)

[http://www.iso-ne.com/markets/mkt\\_anlys\\_rpts/wkly\\_mktops\\_rpts/2009/we\\_2009\\_05\\_03\\_weekly.pdf](http://www.iso-ne.com/markets/mkt_anlys_rpts/wkly_mktops_rpts/2009/we_2009_05_03_weekly.pdf)

[http://www.iso-ne.com/markets/mkt\\_anlys\\_rpts/mnly\\_mktops\\_rpts/2009/2009\\_03\\_monthly\\_market\\_report.pdf](http://www.iso-ne.com/markets/mkt_anlys_rpts/mnly_mktops_rpts/2009/2009_03_monthly_market_report.pdf)

[http://www.iso-ne.com/markets/mkt\\_anlys\\_rpts/qtrly\\_mktops\\_rpts/2008/2008\\_q4\\_quarterly.pdf](http://www.iso-ne.com/markets/mkt_anlys_rpts/qtrly_mktops_rpts/2008/2008_q4_quarterly.pdf)

[http://www.iso-ne.com/markets/mkt\\_anlys\\_rpts/annl\\_mkt\\_rpts/2007/amr07\\_final\\_20080606.pdf](http://www.iso-ne.com/markets/mkt_anlys_rpts/annl_mkt_rpts/2007/amr07_final_20080606.pdf)

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**OCC-64: Please provide all documents prepared by ISO-NE regarding the failure of LFRM resources to activate, since the initiation of the LFRM in October 2006.**

**Response  
(Cont'd):**

The ISO reliability studies are independent of the activation of Forward Reserve Market resources. The ISO utilizes planning assumptions regarding the unavailability of peaking resources as described on page 10 of Mr. Rourke's testimony (see response to OCC-62). These assumptions are supported by NPCC Reliability Criteria and ISO Planning Standards. In particular, Section 2.1 of NPCC A-2 requires the ISO to test the system under specific maintenance and forced outage conditions: "The design criteria will be used in the assessment of the bulk power system of each of the NPCC member systems and each NPCC area, and in the reliability testing at the member system, Area, and Regional Council levels. Design studies shall assume power flow conditions utilizing transfers, load and generation conditions which stress the system." Section 3 of Planning Procedure 3 requires the ISO to test the system "with due allowance for generation maintenance and forced outages, design studies will assume power flow conditions with applicable transfers, load and resource conditions that reasonably stress the system."

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- OCC-65:** For the Connecticut and SWCT LFRM resources, please provide
- (a) the number of occasions on which one or more LFRM resource has been called on to activate.**
  - (b) the number of such occasions on which an LFRM resource has failed to activate.**
  - (c) the number of units and MWs failing to activate per occurrence (or, if that is confidential, the average number of units and MW per occurrence).**

**Response:** Please see response to OCC-64.

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**OCC-66:** For the LFRM resources located in the Springfield area, please provide

- (a) the number of occasions on which one or more LFRM resource has been called on to activate.**
- (b) the number of such occasions on which an LFRM resource has failed to activate.**
- (c) the number of units and MWs failing to activate per occurrence (or, if that is confidential, the average number of units and MW per occurrence).**

**Response:** Please see response to OCC-64.

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**OCC-67: Please describe the conditions under which ISO-NE is allowed to interrupt exports over the CSC line to Long Island.**

- (a) Can ISO-NE interrupt deliveries over the CSC line in the event of a first contingency that would reduce reserves in New England or in a portion of New England below the level required for the second contingency?**
- (b) Please confirm that only 100 MW of exports to Long Island cleared in delists in the first and second forward capacity auctions.**
- (c) If only 100 MW of New England capacity has been delisted to support an export, does ISO-NE have an obligation to maintain exports above the 100 MW level? If so, please explain the extent of that obligation.**

**Response:**

- (a) Yes, if necessary.
- (b) Yes.
- (c) No. The ISO does not have a firm obligation to export to Long Island over the Cross Sound Cable, but will schedule the full capability of the tie line when system conditions permit.