




System Operating Procedures

SOP-RTMKTS.0050.0030

Produce Forecast Daily Report

Effective Date: February 28, 2011
Revision No. 11

	© ISO New England Inc. 2011	Procedure: Produce Forecast Daily Report
	Process Name: Perform Reserve Adequacy Commitment	
	Procedure Number: RTMKTS.0050.0030	Revision Number: 11
	Procedure Owner: Steve Gould	Effective Date: February 28, 2011
	Approved By: Director, Operations	Review Due Date: June 1, 2012


SOP-RTMKTS.0050.0030 Produce Forecast Daily Report

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1. Objective

The intent of this procedure is to define the business process that is performed to produce the Forecast Daily Report.

2. Background


ISO produces a Day-Ahead (DA) Market product. After the DA Market has been completed the Forecaster commits Generators and Dispatchable Asset Related Demands (DARDs), as needed, to meet the anticipated Real-Time load and system configuration. The Forecaster produces a report identifying all commitments made after the DA Market. The report also compares actual system conditions to forecasted system conditions. This information is used internally for historical references.

3. Responsibilities

The Forecaster is responsible for gathering data and producing the Forecast Daily Report.

4. Controls

- The Forecaster uses the SMD_FCST Daily Report spreadsheet to produce the Forecast Daily Report

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5. Instructions

5.1 Producing the Daily Report

1. After the initial Security Constrained Reserve Adequacy (SCRA) case has been completed and as information is available, the Forecaster shall enter the required data into the Forecast Daily Report by performing the following actions:
 - A. Open the “SMD_FCST Daily Report” folder in the “Shortcuts to Shortcuts” folder
 - B. Enter data as defined in the table below.


Table 1 Daily Report Data

Data	Description
Peak Hour	Enter the hour of the day that has the forecast peak demand.
Actual Peak Load	Enter the actual peak demand for the day. This value can be obtained from the Historical Loads in the Shortcut to Shortcuts folder. This value will not be entered until the day after the Operating Day, and after all of the interchange checkouts have been completed.
Forecast Peak Load	Enter the forecast demand value for the peak hour of the day. This value can be obtained from the Historical Loads in the Shortcut to Shortcuts folder.
Real-Time IR and S/S	Enter the amount of Intermittent Resources (IR) and Self-Schedule (S/S) Generator output for the peak hour of the day. This value can be obtained by: <ol style="list-style-type: none"> 1. Printing the Commitment differences Report from the most current SCRA case. 2. For the peak hour, sum the Generator output for Real-Time Self-Schedules (lightly shaded background).
Reliability Commitment	Enter the total capacity amount (sum of Eco Max) that was committed to meet Real-Time reliability requirements and have been flagged TCU, RMR, VSUH, VSUL or SCR and listed in the ISO Outage Scheduling software Must Run Details Summary. The Generators committed for reliability should be validated against generators that are listed in the Commitment Differences Report from the most current SCRA case.

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Data	Description
Operating Reserve Commitment	Enter the total capacity amount (sum of Eco Max) that was committed during the peak hour to meet the ISO Operating Reserve requirements.
Fast Start	Enter the total amount of Fast Start Generator output for the peak hour of the day. Utilize the Commitment Differences Report from the most current SCRA case and sum Fast Start output for the peak hour.
RAA Forecast Surplus	Enter the amount of capacity surplus (+), or deficiency (-) for the Peak Hour of the day. This value can be obtained from the ISO Capacity Analysis, line “Cap Marg w/o > 1”. Remember to adjust for any test energy or high priced external transaction purchases.
Morning Report Surplus	Enter the amount of capacity surplus (+), or deficiency (-) as displayed in the Morning Report or the Morning Report archive located on the ISO external website.
Comments	Enter text comments that identify reliability units (TCU, RMR, VSUH, VSUL or SCR,) and test energy that was excluded from the capacity analysis, or any other information that was pertinent to the generator commitment schedules.
Actual Peak Surplus	Enter the amount of surplus indicated in the EMS from the PI query for the peak hour of the day.
Real-time Demand Response	Enter the MW value of Real-time Demand Response that was dispatched for the peak hour of the day
Real-time Emergency Generation	Enter the MW value of Real-time Emergency Generation that was dispatched for the peak hour of the day

2. The Forecaster shall save the data entered into the “SMD_FCST Daily Report” folder in the “Shortcuts to Shortcuts” folder for the appropriate Operating Day.
3. If any changes occur (e.g., Generator commitment) during the time between 2200 and 0600, the Forecaster shall update the Forecast Daily report.
4. If any changes occur (e.g., Generator commitment) between 0600 and 1030, the Forecaster shall inform the on-coming shift personnel.

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6. Performance Measures


None.

7. References

None

8. Revision History

Rev. No.	Date	Reason	Contact
0	09/08/03	Original	Joe Mercer
1	12/19/03	Changes to the Controls and Performance Measures sections	Joe Mercer
2	02/01/05	Updated SOP for RTO terminology, changed Procedure Owner	Seamus McGovern
3	02/02/05	Revised to add updating the Forecast Daily Report for changes after 2200.	Seamus McGovern
4	05/05/06	Updated for Control Room Forecaster Split	Steve Weaver
5	10/04/07	Minor revisions resulting from annual review	Steve Weaver
6	11/06/07	Updated attendees to 1030 meeting	Steve Weaver
7	09/03/08	Annual Review by Procedure Owner; Changed Resource to Generator/DARD, Generator or DARD in various locations Clarified and corrected item 2 and 6 and add an additional item 11 to Table 1	Steve Weaver
8	04/02/09	Added data for daily report	Steve Weaver
9	06/01/10	Biennial Review by procedure owner; Changed header copyright date; Minor editorial changes for grammar, formatting, etc. in Section 2, step 5.1.1, and items in Table 1; Table 1 defined the acronym IR & added the two new last data rows for the amount of Real-Time Demand Response and Real-Time Emergency Generation that was dispatched; Modified steps 5.1.2, 5.1.3 & 5.1.4 Deleted the SOP from the References section.	Steve Weaver
10	01/06/11	Updated Header copyright date; Global replaced page numbers with Page X of Y format; Global updates for replacement of SAM Db with the CROW Outage Scheduling software and flagging changes	Steve Weaver
11	02/28/11	Header, updated Procedure Owner for OPS organizational changes; Table 1, modified the following data rows: Real Time IR an S/S, Reliability Commitment, Operating Reserve, and Fast Start; Table 1 deleted the Boston VAR data row	Steve Gould

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9. Attachments

None.