




# System Operating Procedures

SOP-RTMKTS.0050.0030

Produce Forecast Daily Report

Effective Date: November 6, 2007  
Revision No. 6

	© ISO New England Inc. 2007	<b>Procedure: Produce Forecast Daily Report</b>
	Process Name: Perform Reserve Adequacy Commitment	
	Procedure Number: RTMKTS.0050.0030	Revision Number: 6
	Procedure Owner: Steve Weaver	Effective Date: November 6, 2007
	Approved By: VP Operations	Review Due Date: July 1, 2008


# SOP-RTMKTS.0050.0030 Produce Forecast Daily Report

## Contents

1.	Objective .....	2
2.	Background .....	2
3.	Responsibilities.....	2
4.	Controls .....	2
5.	Instructions.....	2
	5.1 Producing the Daily Report.....	2
6.	Performance Measures.....	4
7.	References.....	4
8.	Revision History .....	5
9.	Attachments .....	5

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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

The ISO produces a Day-Ahead (DA) Market product. After the DA Market has been completed the Forecaster commits Resources, as needed, to meet the anticipated Real-Time load and system configuration. The Forecaster produces a report identifying commitments made after the DA Market but prior to the start of the Operating Day and identifying actual system conditions as compared 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 This information is used internally for historical references.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

## 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, enter the required data into the Forecast Daily Report.
2. Open the SMD\_FCST Daily Report folder in the Shortcuts to Shortcuts folder and enter data as defined in the table below.

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**Table 1 Daily Report Data**

<b>Data</b>	<b>Description</b>
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.
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 SS	Enter the amount of Self-Scheduled Resource output for the peak hour of the day. This value can be obtained by: <ol style="list-style-type: none"> <li>1. Printing the Commitment differences Report from the SCRA case that was approved by 2200 on the day prior to the Operating day.</li> <li>2. For the peak hour, sum the Resource output for Real-Time Self-Schedules (lightly shaded background).</li> </ol>
Reliability Commitment	Enter the total capacity amount (sum of Eco Max) that was committed to meet Real-Time reliability requirements (1 <sup>st</sup> Contingency, RMR, VU and SCR). The Resources that are must run can be identified by printing the Must Run report from the SAM database and cross checking the Commitment Differences report.
Operating Reserve Commitment	Enter the total capacity amount (EcoMax) that was committed during the peak hour to meet the ISO Operating Reserve requirements. This includes commitment that was performed to obtain a minimum 400 MW surplus, or 700 Mw surplus when SAR from NYISO is unavailable.
Fast Start	Enter the total amount of Fast Start Generator output for the peak hour of the day. Utilize the Commitment Differences report and sum Fast Start output for the peak hour.

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Data	Description
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 (as either RMR, 1 <sup>st</sup> , VU or SCR,) test energy that was excluded from the capacity analysis, or any other information that was pertinent to the generator commitment schedules.

3. Save this data in the SMD\_FCST Daily Report folder in the Shortcuts to Shortcuts folder for the appropriate Operating Day.
4. If any changes occur (e.g. Resource commitment) after 2200 until 0600, update the Forecast Daily report.
5. If any changes occur (e.g. Resource commitment) after 0600 until 1030, inform the on coming shift personnel.


## 6. Performance Measures

None.

## 7. References

SOP-RTMTKS.0050.0010 – Perform Reserve Adequacy Assessment

SOP-RTMTKS.0050.0020 – Develop and Communicate the Morning Report

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## 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

## 9. Attachments

None.