



# Instantaneous Reserve Check



- Instantaneous Reserve Check (IRC) is used to verify reserve situation
  - All generators must report their reserve information to PJM when requested.
  - Request for IRC data submittal given via PJM All-call.
  - At-a submittal for IRC through eDART application.
  - IRCs performed at least 2x per day.
  - Separate reporting for PJM Mid-Atlantic Region, Western Region, Southern Region and Northern Illinois.

- Select the Instantaneous Reserve Check button from the left menu.



- If the user has a specific request number to look up, enter it next to Request Number.
- If the user wants to view data between certain dates, enter the from and to dates in the appropriate boxes
- If the user wants to view all data from the past 30 days, check the box. Otherwise, uncheck it.
- Once the user has specified the information he or she wishes to view, select Apply Filter
- If the user wants to view the most recent data, click the Most Recent button.



The screenshot shows the "IRC Report Search" interface. It includes fields for "Company:", "User Name:", "Request Number:", "From Date:", and "To Date:". The "From Date" and "To Date" fields are accompanied by the format "(MM/DD/YY)". There is a "Last 30 Days:" checkbox which is checked. At the bottom, there are three buttons: "Apply Filter", "Most Recent", and "Main Menu". Red circles and rectangles highlight the "Request Number:", "From Date:", "To Date:", "Last 30 Days:" checkbox, and the "Apply Filter" and "Most Recent" buttons.

- The report displays the most recent IRC report first.

IRC Report		
Company:		User Name:
Report ID	Report Timestamp	Posted Timestamp
<a href="#">50006</a>	01/13/2012 13:40	01/13/2012 13:59
<a href="#">50004</a>	01/13/2012 13:18	01/13/2012 13:28
<a href="#">50002</a>	08/01/2011 17:38	09/19/2011 13:35
<a href="#">50001</a>	06/22/2011 15:18	06/22/2011 15:20
<a href="#">30381</a>	05/17/2011 19:13	05/17/2011 19:30
<a href="#">30380</a>	05/17/2011 10:31	05/17/2011 10:47
<a href="#">30379</a>	05/15/2011 19:26	05/15/2011 19:50
<a href="#">30378</a>	05/15/2011 14:26	05/15/2011 14:36
<a href="#">30377</a>	05/13/2011 11:59	05/13/2011 13:01
<a href="#">30376</a>	05/12/2011 20:35	05/12/2011 21:23
<a href="#">30375</a>	05/11/2011 16:45	05/11/2011 17:14
<a href="#">30374</a>	05/11/2011 11:24	05/11/2011 13:21
<a href="#">30373</a>	05/09/2011 20:13	05/09/2011 21:04
<a href="#">30372</a>	05/08/2011 11:08	05/08/2011 11:46
<a href="#">30371</a>	05/07/2011 09:16	05/07/2011 09:47
<a href="#">30370</a>	05/04/2011 07:34	05/04/2011 07:57
<a href="#">30369</a>	05/01/2011 19:31	05/01/2011 19:50
<a href="#">30368</a>	04/30/2011 19:44	04/30/2011 20:43
<a href="#">30367</a>	04/29/2011 08:18	04/29/2011 09:32
<a href="#">30366</a>	04/28/2011 18:52	04/28/2011 19:18
<a href="#">30365</a>	04/28/2011 09:17	04/28/2011 10:29
<a href="#">30364</a>	04/24/2011 18:43	04/24/2011 19:54
<a href="#">30363</a>	04/23/2011 19:08	04/23/2011 19:26
<a href="#">30362</a>	04/21/2011 08:10	04/21/2011 08:41
<a href="#">30361</a>	04/19/2011 07:42	04/19/2011 08:28
<a href="#">30360</a>	04/18/2011 08:16	04/18/2011 08:59

- Click on a Report ID to view more information about that IRC Report.
- Select the Back button to return to the IRC Report list.

### IRC Company Data

Company:	Request Timestamp:
Request ID:	Date Updated:
User Name:	Posted Timestamp:

#### PJM RTO & Reserve Pool Totals

Reserve Category	RTO	RTO Req.	MAD	MAD Req.
<b>Operating Reserve</b>	9260		3870	
PRIMARY Reserve	3341	2025	1724	1923
SYNCHRONIZED Reserve	2281	1350	1071	1282

  

Additional Reserve Info	RTO	RTO Req.	MAD	MAD Req.
Largest Contingency	1350		1282	

#### Company Totals

Time Range	Reserve Category	PJMCZ	TEST_CZ	AP	AEP	DAY	DLCO	CE	DOM	CE_OLD	RTO Total
0m-30m	<b>OPERATING Reserve</b>	56	0	0	0	0	0	5	0	0	61
0m-10m	PRIMARY Reserve	36	0	0	0	0	0	5	0	0	41
	SYNCHRONIZED Reserve	12	0	0	0	0	0	5	0	0	17
	Non-synchronized Reserve (Quick Start)	24	0	0	0	0	0	0	0	0	24
	-- NSR Hydro	24	0	0	0	0	0	0	0	0	24
	-- NSR Other	0	0	0	0	0	0	0	0	0	0
10m-30m	Secondary Reserve	20	0	0	0	0	0	0	0	0	20
30m-180m	Beyond Secondary	101	0	0	0	0	0	0	0	0	101

Notes to PJM Operator (500 char. max.)

Apply Sort
Refresh
Back
Help



# Minimum Generation Reporting



- Purpose
  - To provide alert that the system conditions may require the use of emergency procedures
- Trigger
  - When expected generation levels are within 2,500 MW of normal generation limits.



- Click Reports
- To view a specific report, enter the Request ID number.
- To view all reports between certain days, enter the From and To dates.
- To view reports from the last 30 days, check the box next to Last 30 days (it is checked by default).



A screenshot of a web interface showing a form titled "Minimum Generation Report". The form contains the following elements:

- Request ID:** A text input field.
- Last 30 days:** A checkbox that is checked.
- From Date:** A date input field.
- To Date:** A date input field.
- Apply Filter:** A blue button.
- Main Menu:** A blue button.
- Request ID | Date | Period:** A table header with three columns.

Red circles highlight the "Request ID", "From Date", "To Date", and "Last 30 days" checkbox. A red rectangle highlights the "Apply Filter" button.

- A list of Request IDs meeting the filtering criteria appears.
- The Request IDs are sorted by date, with the most recent at the top.
- Select a Request ID to view details of the report.

### Minimum Generation Report

Request ID:  Last 30 days:

From Date:  To Date:

Request ID	Date	Period
<a href="#">35749</a>	01/13/2012	MIDNIGHT
<a href="#">31889</a>	09/20/2011	MIDNIGHT
<a href="#">31888</a>	05/15/2011	MIDNIGHT
<a href="#">31886</a>	05/14/2011	MIDNIGHT
<a href="#">31884</a>	05/13/2011	MIDNIGHT
<a href="#">31880</a>	05/08/2011	MIDNIGHT
<a href="#">31877</a>	05/02/2011	MIDNIGHT
<a href="#">31866</a>	04/15/2011	MIDNIGHT
<a href="#">31849</a>	03/15/2011	MIDNIGHT
<a href="#">31847</a>	03/02/2011	MIDNIGHT
<a href="#">31844</a>	02/19/2011	MIDNIGHT
<a href="#">31834</a>	12/21/2010	MIDNIGHT
<a href="#">31825</a>	11/26/2010	MIDNIGHT
<a href="#">31817</a>	11/15/2010	MIDNIGHT
<a href="#">31789</a>	10/11/2010	MIDNIGHT
<a href="#">31781</a>	10/02/2010	MIDNIGHT

- When finished viewing the request you selected, click Main Menu to return to the Minimum Gen. Report list.

Emergency Reducible Generation						
User Name:		Company:				
Request ID:		Timestamp: 05/01/2011 23:24				
Date: 05/02/2011		Period: MIDNIGHT				
Region	Reported		Actual			
	Total Reducible Generation	Reducible on Declaration	Declaration	Event		
PJM Control Area						
Region	MinGen Alert		Lambda Signal to Zero		MinGen Declaration	
	Issued	Cancelled	Issued	Cancelled	Issued	Cancelled
PJM Control Area	05/01/2011 23:25					
Minimum Generation Event Log						
% Reduced		Issued	Cancelled			
PJM Control Area						
<div style="border: 2px solid red; padding: 5px; display: inline-block; background-color: #0056b3; color: white; border-radius: 10px;">Main Menu</div>						