

Reactive Result Tickets



- Create Reactive Result Ticket button allows user to create a new Reactive Result ticket.
- When a Generator type and unit are chosen then the ticket is set to Saved before the ticket appears.

New Reactive Result Ticket

Company: [Electric Company](#) Generation Type: Nuclear Unit: Unit 1 Last Tested: 09/18/2015

Continue
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Main Menu

Generator Tickets Main Menu

Summer Peak Period Maintenance Margin Season
Start: 06/12/2017 End: 09/08/2017

Current Maintenance Margin	
Mid-Atlantic	N/A
Western-Southern	N/A

Create New Ticket
View/Revise Ticket

	MW	Vol. Reg.	MVAR	Governor	MVAR Test	PSS
Submitted Tickets	263	3	26	0	4	5
Revised Tickets	79	2	3	0	1	6
Current Tickets	37	4	6	1	0	0
Approved Tickets	43	0	11	0	3	4
Future Tickets	3	0	0	0	0	0
Approved No Start	11	0	0	0	2	0
Active Beyond End	25	4	2	1	0	0
Recalled Tickets	0					
Forced Tickets						
Tickets History						

Owners Report
Maint. Margin Log
D-Curve Report

Blackstart XLS Upload
Blackstart File Download
GO Survey

Reactive Result Tickets

Create Reactive Result Ticket
View Reactive Result Tickets
Company Unit Report

Status	Total
Saved	1
PJM Review	0
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

- **Ticket ID:** System Generated ID from PJM.
- **Company:** User login's company.
- **Unit:** The selected unit for data submission.
- **Last Tested:** Date indicating when the unit has last officially tested their reactive capability.
- **Ticket Status:** By default, this will show the current status of the ticket. Users can select 'PJM Review' and click **Save** to submit the ticket for analysis. Users can also elect to cancel a ticket by selecting 'Canceled by GO' and clicking **Save**.
- **Company Ticket ID:** Optional field for the company's internal application ticket number. The ticket submitter should review their own company policy to see if they should utilize this field.
- **Late:** This field will specify if the ticket has been submitted to PJM after the testing deadline date.
- **GO Comments:** Optional textbox for GO to add any additional comments.

Reactive Result Ticket

Ticket ID: 121	Company: Electric Company	Unit: UNIT 1	Last Tested: 09/26/2015
Ticket Status: Saved	Company Ticket ID: <input style="width: 100%;" type="text"/>	Late: No	

Go Comments:

Earliest Test Date: 09/01/2016 Testing Deadline Date: 03/01/2017

Include	Test Type	MVAR Test Ticket	MVAR Test Date	Test Data	Test Entry Date	Additional Files
<input checked="" type="checkbox"/>	Max Load Lagging	Select: 311094 Or Enter: <input style="width: 50%;" type="text"/>	09/01/2016	Enter/View Data (No Data)	12/19/2016 Late	Files (0)
<input checked="" type="checkbox"/>	Max Load Leading	Select: 311095 Or Enter: <input style="width: 50%;" type="text"/>	12/18/2016	Enter/View Data (No Data)	12/19/2016	Files (0)
<input type="checkbox"/>	Min Load Lagging					
<input type="checkbox"/>	Min Load Leading					
<input type="checkbox"/>	Sync Cond Lagging					
<input type="checkbox"/>	Sync Cond Leading					

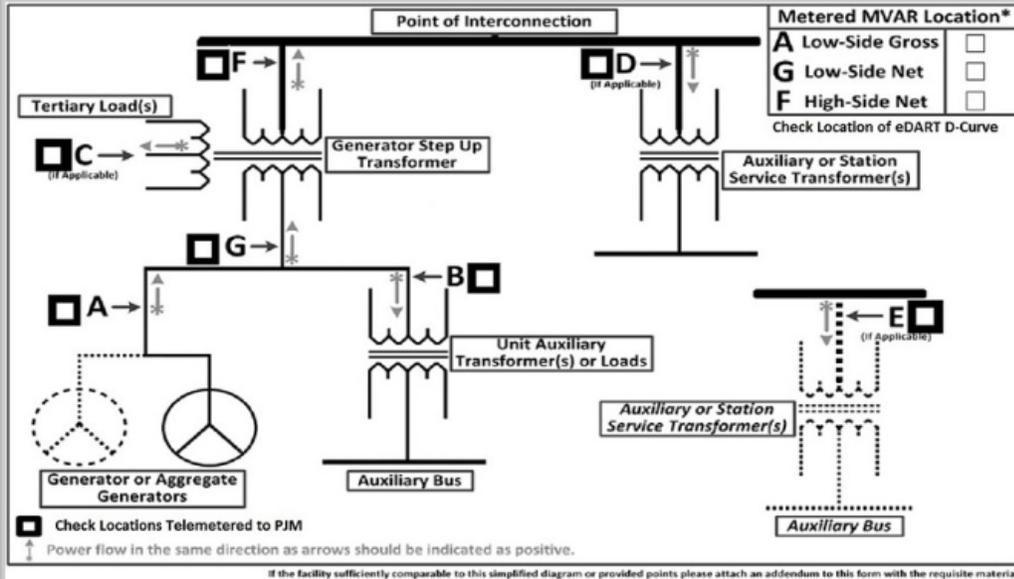
Save
History Log
Refresh
Main Menu

- **Earliest Test Date:** This date will display the earliest test date based on the MVAR Test Ticket selection.
- **Testing Deadline Date:** This date will display the deadline to submit all required tests data to PJM. GOs have a 6 month window to submit all test results.
- **Include:** Users must select all required tests for the unit.
- **Test Type:** A list of tests to submit for evaluation.
- **MVAR Test Ticket:** Users can link MVAR Test tickets by selecting a testing ticket created for the unit in the past 30 days or by entering the ticket number.
- **MVAR Test Date:** This field will populate the **Actual End Date** or the **Estimated End Date** if no actual end date is entered for the MVAR test ticket.
- **Test Data:** Click the **Enter/View Data (No Data)** to open the **Reactive Capability Testing Form**. Once all required fields marked by asterisk (*) are completed, the data can be saved and the user can proceed with the rest of the ticket by clicking **Back to Ticket**.

Reactive Capability Testing Form

Reactive Result Ticket ID: Test: **Max Load Lagging** Unit Name: Company:
 eDART MVAR Test Ticket: Date of Test: **11/07/2016** Test Data Type: **Staged** Previous Test Date: **06/26/2014**

Tested By*: Cooling Water Temperature, F: Ambient Temperature, F: Black Start*: Yes No
 Test Analysis Contact*: Start Time of the Test*: (hh24.mi EPT) Ambient Relative Humidity: Test Results Limited by System Conditions and PJM notified:
 Analysis Contact Email*: End time of the test will be calculated by PJM based on the test type. Normal Hydrogen Pressure, PSIG: Automatic Voltage Regulator verified in service:
 Analysis Contact Phone*: Actual Hydrogen Pressure, PSIG:



Location	Current Test			Stated Capability		Additional Comments	
	Telemetered to PJM*	eDART D-Curve*	Voltage (KV)*	Real Power (MW)*	Reactive Power (MVAR)*		Real Power (MW)
A Low-Side Gross	<input type="checkbox"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
B	<input type="checkbox"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
C	<input type="checkbox"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
D	<input type="checkbox"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
E	<input type="checkbox"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
F High-Side Net	<input type="checkbox"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
G Low-Side Net	<input type="checkbox"/>	<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Data Telemetry Verified between the plant, the MOC and PJM as per M14D, E 4.1: (MMDD/YYYY) (hh24.mi)

Generator Voltage/MVAR/PF Schedule: Unit of Measure
 Generator Voltage PT Ratio: KV
 System Voltage Schedule: KV
 System Voltage PT Ratio: KV
 GSU Nameplate Data:
 Tap Setting: KV
 Impedance: %
 Generator Capability: MVA

[Refresh](#) [Back to Ticket](#)

- **Test Entry Date:** Displays the date when the data was entered and saved. If the data is saved after 30 days from the MVAR test date, a late flag will appear.
- **Additional Files:** Clicking the **Files** link will take the user to a new page to upload supporting files for analysis. Users can add files by browsing the desired file and clicking **Submit File**. Users can also delete files by checking a file and clicking **Delete**.
- **Save:** Stores changes made to the ticket.

Reactive Result Test Ticket GO Support Files

Reactive Result Ticket ID: 121 Unit: UNIT 1 Test: Max Load Lagging

File to upload: C:\Users\panc\Desktop\Reactive Testing\Test Results.docx Browse...

Submit File
Supported File Types

Select	File Name	Upload Time
<input type="checkbox"/>	Test Results.docx	12/19/2016 09:55

Delete
Download
Refresh
Back to Ticket

- **Supported File Types:** Here is a list of all the supported file types.
- **History Log:** Users will be able to view a history log of status changes to any Reactive result ticket.

Reactive Test Ticket History Log

Ticket ID: 121

User Name	Status	Timestamp
User1	GO Data Required	12/19/2016 11:53
User1	PJM Review	12/19/2016 11:52
User1	Saved	12/19/2016 11:51

Close Window

Supported File Types

Extension	Description
bmp	Bitmap
csv	Comma Delimited
doc	Word document
docx	Word document
dwg	Autocad
gif	Picture
htm	HTML
html	HTML
jpg	Picture
pdf	Adobe PDF
ppt	PowerPoint
pptx	PowerPoint
svg	Single Line Diagram
txt	Text
vsd	Visio
xls	Spreadsheet
xlsx	Spreadsheet
xml	XML
zip	Zipped

Close Window

- Once all information has been entered and status is saved as 'PJM Review,' the ticket will be locked and the **Submission Date** field will appear. PJM will analyze the results and take next actions. Users may request to have one or more tests to be unlocked by contacting the assigned PJM Engineer.

Reactive Result Ticket

Ticket ID: 121 Company: Electric Company Unit: UNIT 1 Last Tested: 09/26/2015

Ticket Status: PJM Review Company Ticket ID: PJM Assigned: User 3 Late: No

Go Comments: PJM Comments:

Attached are additional data for PJM Review.

Submission Date: 12/19/2016 10:15 Earliest Test Date: 09/01/2016 Testing Deadline Date: 03/01/2017

GO Data						
Editable	Test Type	MVAR Test Ticket	MVAR Test Date	Test Data	Test Entry Date	Additional Files
No	Max Load Lagging	311094	09/01/2016	View Data	12/19/2016 Late	Files (1)
No	Max Load Leading	311095	12/18/2016	View Data	12/19/2016	Files (1)

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Reactive Result Tickets

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Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

- If **Reactive Result Tickets** are incomplete or require additional information for analysis, PJM will set the ticket status to 'GO Data Required'.
- In this status, GOs can view initial PJM results which may include a list of issues and additional comments to review.
- GOs can add/edit the sections that require additional data. Once the ticket has been updated, the ticket status can be set back to 'PJM Review'.

Reactive Result Tickets

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Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

Reactive Result Ticket

Ticket ID: 121 Company: Electric Company Unit: UNIT 1 Last Tested: 09/26/2015
 Ticket Status: **GO Data Required** Company Ticket ID: PJM Assigned: User 3 Late: No

Go Comments: Attached are additional data for PJM Review.
 PJM Comments: Need more information on Max Load Lagging test.

Submission Date: 12/19/2016 10:15 Earliest Test Date: 09/01/2016 Testing Deadline Date: 03/01/2017

GO Data							PJM Analysis Results			
Editable	Test Type	MVAR Test Ticket	MVAR Test Date	Test Data	Test Entry Date	Additional Files	Result	Issues	Additional Comments	Retest Result Files
Yes	Max Load Lagging	Select: 311094 Or Enter: <input type="text"/>	09/01/2016	Enter/View Data	12/19/2016	Late Files (1)	Under Review	Telemetry Discrepancy Model Mismatch Start Time Mismatch D-curve Location Mismatch Other	<input type="text"/>	No Files (0)
No	Max Load Leading	311095	12/18/2016	View Data	12/19/2016	Files (1)		Telemetry Discrepancy Model Mismatch Start Time Mismatch D-curve Location Mismatch Other	<input type="text"/>	No Files (0)

Do you agree with PJM Results? **No Answer** GO Analysis Comments:

Next Action:
 Submit New Default D-Curve: MVAR Ticket ID:
 Retest:
 No Change:
 PJM review:

[Save](#) [History Log](#) [Refresh](#) [Main Menu](#)

- If no response is received within 30 days, the ticket status will go into 'GO No Response.' This will alert the user that urgent action may be required. If there are any tickets in this status, please review the tickets as soon as possible by clicking on 'GO No Response' in the ticket summary bin.

Reactive Result Tickets

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Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

- Once the ticket has been fully reviewed by a PJM engineer, GO can review the results under the **PJM Analysis Results** section. This section includes:
 - Result:** This field will have a basic summary of the test.
 - Issues:** This field includes a list of common issues with the analysis. When PJM identifies an issue, it will be highlighted blue.
 - Additional Comments:** PJM may make additional comments on the test if 'Other' **Issues** is selected.
 - Retest:** This field indicates if the initial submission requires a retest.
 - Result Files:** Click on the **Files** link to open the **Reactive Result Test Ticket PJM Result Files** page. GO can select and download the analysis results for review.

Reactive Result Test Ticket PJM Result Files		
Reactive Result Ticket ID: 121 Unit: UNIT 1		Test: Max Load Lagging
Select	File Name	Upload Time
<input type="checkbox"/>	Result.pdf	12/20/2016 06:30
Download Refresh Back to Ticket		

- When the data has been reviewed, GOs can select 'Yes' or "No' to agree or disagree with PJM results. Furthermore, **GO Analysis Comments** and **Next Action** can be filled out or selected. A list of **Next Action** includes:
 - **Select New Default D-Curve:** GOs can elect to submit a new default D-Curve if necessary. If this option is selected, a dropdown of MVAR Tickets submitted for the unit will appear. If no MVAR tickets have been submitted yet, please refer to the **MVAR (Reactive Power) Ticket** section of **Generation Tickets** on how to submit a new default D-Curve. Ticket status will automatically go 'New Default D-Curve Under Review' when the ticket is sent back to 'PJM Review.'
 - **Retest:** GOs have the option to retest a specific or all portion of the ticket. If selected, please identify in the comments which tests needs to be rerun.
 - **No Change:** This option can be selected if GO agrees with all PJM analysis results and no next action is needed. Ticket status will automatically go 'Awaiting Test Letter' when the ticket is sent back to 'PJM Review' if all results are within or excess.
 - **PJM Review:** If GO disagrees with any results, users can choose to have further PJM Review.

- Once all fields are completed, GOs can send the ticket back to 'PJM Review.'

Reactive Result Ticket

Ticket ID: **121** Company: **Electric Company** Unit: **UNIT 1** Last Tested: **09/26/2015**
 Ticket Status: **GO Review** Company Ticket ID: PJM Assigned: User 3 Late: **No**

Go Comments: PJM Comments:

Submission Date: **12/19/2016 10:15** Earliest Test Date: **09/01/2016** Testing Deadline Date: **03/01/2017**

Editable	Test Type	GO Data					PJM Analysis Results				
		MVAR Test Ticket	MVAR Test Date	Test Data	Test Entry Date	Additional Files	Result	Issues	Additional Comments	Retest	Result Files
No	Max Load Lagging	311094	09/01/2016	View Data	12/19/2016	Late Files (1)	Shortage	Telemetry Discrepancy Model Mismatch Start Time Mismatch D-curve Location Mismatch Other	<input type="text"/>	No	Files (1)
No	Max Load Leading	311095	12/18/2016	View Data	12/19/2016	Files (1)	Within +/- 5%	Telemetry Discrepancy Model Mismatch Start Time Mismatch D-curve Location Mismatch Other	<input type="text"/>	No	Files (1)

Do you agree with PJM Results? Yes No GO Analysis Comments:

Next Action: Submit New Default D-Curve: Retest: No Change: PJM review:

Submit New Default D-Curve: MVAR Ticket ID: **311096** [\(311096 View\)](#)

Statuses: New Default D-Curve Under Review

- When the ticket is in **New Default D-Curve Under Review**, PJM will review the MVAR ticket submitted and implement the D-Curve in PJM EMS if accepted. Once this step has been completed, the status will go into 'Awaiting Test Letter.'

Reactive Result Tickets

Create Reactive Result Ticket
View Reactive Result Tickets
Company Unit Report

Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

Reactive Result Ticket

Ticket ID: **121** Company: **Electric Company** Unit: **UNIT 1** Last Tested: **09/26/2015**
 Ticket Status: **New Default D-Curve Under Review** Company Ticket ID: PJM Assigned: User 3 Late: **No**

Go Comments:

Attached are additional data for PJM Review.

PJM Comments:

Need more information on Max Load Lagging test.

Submission Date: 12/19/2016 10:15 Earliest Test Date: 09/01/2016 Testing Deadline Date: 03/01/2017

Editable	Test Type	GO Data					Additional Files	Result	PJM Analysis Results			
		MVAR Test Ticket	MVAR Test Date	Test Data	Test Entry Date				Issues	Additional Comments	Retest	Result Files
No	Max Load Lagging	311094	09/01/2016	View Data	12/19/2016	Late	Files (1)	Shortage	<ul style="list-style-type: none"> Telemetry Discrepancy Model Mismatch Start Time Mismatch D-curve Location Mismatch Other 		No	Files (1)
No	Max Load Leading	311095	12/18/2016	View Data	12/19/2016		Files (1)	Within +/- 5%	<ul style="list-style-type: none"> Telemetry Discrepancy Model Mismatch Start Time Mismatch D-curve Location Mismatch Other 		No	Files (1)

Do you agree with PJM Results? **Yes** GO Analysis Comments:

Confirmed with our plant manager with the issue and agree with PJM analysis. Will submit New Default D-Curve based on discussion.

Next Action:

Submit New Default D-Curve: MVAR Ticket ID: [311096 View](#)

Retest:

No Change:

PJM review:

History Log Refresh Main Menu

Statuses: Awaiting Test Letter and Test Letter Issued

- Once the ticket is in this status, PJM has accepted the test results and all next actions are completed. PJM will upload the test letters for documentation.
- When the ticket status is in 'Test Letter Issued,' all ticket information and files have been uploaded and saved in eDART. GOs can open the ticket to retrieve the test letter by clicking the **Download** link on the bottom of the page. GOs can also revisit the ticket for future review.

Reactive Result Tickets

[Create Reactive Result Ticket](#)
[View Reactive Result Tickets](#)
[Company Unit Report](#)

Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

Reactive Result Tickets

[Create Reactive Result Ticket](#)
[View Reactive Result Tickets](#)
[Company Unit Report](#)

Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

- GO data submittals for MOD-025-2 only will also be evaluated and scored. If GO chooses not to accept the results, PJM can issue a new status type.

Reactive Result Tickets

Create Reactive Result Ticket
View Reactive Result Tickets
Company Unit Report

Status	Total
Saved	42
PJM Review	
GO Data Required	1
GO Review	
GO No Response	2
New Default D-Curve Under Review	4
Awaiting Test Letter	3
Test Letter Issued	2
MOD-025 only, no PJM Letter	1

- To view the reactive result tickets, click on **View Reactive Result Ticket**.

Reactive Result Tickets

[Create Reactive Result Ticket](#)
[View Reactive Result Tickets](#)
[Company Unit Report](#)

Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	



Reactive Capability Testing Report

Ticket Status: Saved PJM Review GO Data Required GO Review
 GO No Response New Default D-Curve Under Review Awaiting Test Letter Test Letter Issued
 Canceled by PJM Canceled by GO Past Test Letter

Late: Yes No Both

[Apply Filter](#)
[Default GO View](#)
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Ticket ID	Unit Name	ICAP (MW)	Unit Type	Submit Date	Late	Ticket Status
108	WALTON SUPPLY 1	838	Nuclear	12/13/2016 11:52	Yes	GO Data Required
12	WALTON SUPPLY 2	10	Hydro	12/13/2016 13:10	No	GO Data Required
36	WALTON SUPPLY 2	10	Hydro	12/12/2016 16:15	No	GO Data Required
38	WALTON SUPPLY 2	10	Hydro		No	GO Data Required
16	WALTON SUPPLY	0	Combustion Turbine		No	Saved
25	WALTON SUPPLY 1	21	Combustion Turbine		Yes	Saved
26	WALTON SUPPLY 1	21	Combustion Turbine		No	Saved
15	WALTON SUPPLY 1	1000	Battery		No	Saved
17	WALTON SUPPLY 1	1000	Battery		No	Saved
81	WALTON SUPPLY 1	1000	Battery		No	Saved
133	WALTON SUPPLY 2	1000	Battery		No	Saved
123	WALTON SUPPLY 1	573	Steam/Fossil		No	Saved
124	WALTON SUPPLY 1	573	Steam/Fossil		No	Saved

- To view the record of Reactive Testing, click on Company Unit Report.

Reactive Result Tickets

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Status	Total
Saved	1
PJM Review	3
GO Data Required	
GO Review	
GO No Response	
New Default D-Curve Under Review	1
Awaiting Test Letter	
Test Letter Issued	1
MOD-025 only, no PJM Letter	

- A filter page will appear, when Apply Filter is selected then the Reactive Testing Unit Report will appear.
- Last Test Date and Next Test Deadline are displayed. Checking the 'Include in Reactive Test' check box and clicking on *Submit Form* will include that unit in Reactive Test.

Reactive Testing Unit Report

Company: Unit Type:

Reactive Test Ticket Submitted: Unit Last Tested:

From: To: From: To:

Include Retired: Include Test Excluded: Test Due in 12 months:

[Apply Filter](#) [Refresh](#) [Main Menu](#)



Reactive Testing Unit Report

Company: Unit Type:

Reactive Test Ticket Submitted: Unit Last Tested:

From: To: From: To:

Include Retired: Include Test Excluded: Test Due in 12 months:

[Apply Filter](#) [Refresh](#) [Main Menu](#)

Type	Unit ID	Commercial Name	ICAP	Effective Date	Retired Date	Last Test Date	Next Test Deadline	Include in Reactive Test
Combined Cycle CT	17058	WALLEN UNIT	20				07/01/2022	<input checked="" type="checkbox"/>
Combined Cycle CT	17059	WALLEN UNIT	500	08/28/2014			07/01/2022	<input checked="" type="checkbox"/>
Combined Cycle CT	17060	WALLEN UNIT	200	06/25/2012			07/01/2022	<input checked="" type="checkbox"/>

[Submit Form](#) [Apply Filter](#) [Refresh](#) [Main Menu](#)