# System Management Market Participant Interface User Guide-Generators and Loads- Public



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### <u>Purpose</u>

The purpose of this User Guide is to help Market Participants communicate with System Management.

## 1. Logging on to the MPI

Please note that for security purposes, the system will log you out if there is no user to MPI interaction made for 60 minutes and so unsaved data entered will be lost. A keystroke is not classified as interaction; a link must be selected within the application for it to remain active.

To Log on to the Western Power website, select 'The Network' heading as shown below.

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Either scroll down the page to the System Management section or select the System Management link on the left hand side as has been highlighted.

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Electrical contractors	<u>home</u> > the network	
Suppliers		
> Software	About the network	
Powerlines and underground	An overview of Western Power's electricity network including facts and figures.	
cables	South West Interconnected System <u>Network vital statistics</u>	
Roadside powerpoles	Network equipment About electricity	
Commercial group	Electricity consumption	
Network access services		
System Management	Electrical contractors This section contains information for electrical contractors.	_
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Select Market Participant Interface from the left hand menu.

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Market Participant Interface		
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This will take the user to the Market Participant Interface link and User Guides. The page is shown below.

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	market participant interface
About the network	
Electrical contractors	<u>home</u> > <u>the network</u> > <u>system management</u> > market participant interface
> Suppliers	
Software	The Market Participant Interface (MPI) is used by market participants to enter information on equipment that needs to t
Powerlines and underground	taken out of service due to an outage.
cables	User guides
Roadside powerpoles	
Commercial group	The MPI and NOI user guides provide step by step instructions on how to use the respective applications.
Network access services	Network Operator Interface Requestor User Guide: Primary Works (PDF 4.5mb)
System Management	Network Operator Interface Requestor User Guide: Secondary Works (PDF 6.0mb)
Projected Assessment of System Adequacy	<u>New MPI Generator and Loads User Guide</u> (PDF 5.5mb)
Ancillary services	Log in
Market Participant Interface	
Commissioning and Testing	➤ Market Participant Interface
Policies	<u>Network Operator Interface</u>
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Select the Market Participant Interface link. This will guide the user to the Western Power Portal.

#### Enter your User Id and Password.

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For security reasons, your session will automatically expire after it has been idle for 60 minutes. You	
will then be asked to login again.	
Log in	
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## 2. Main Menu

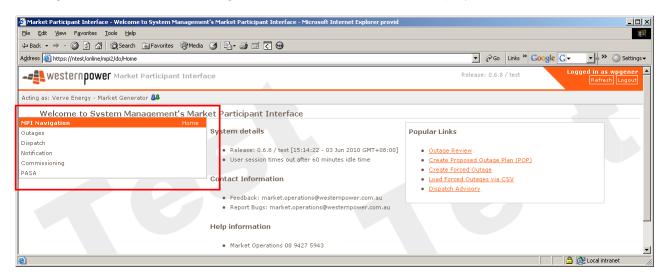
Once logged on, the following page is displayed.

The new version of the MPI has some different features such as *Popular Links* for quick searching or entering of outages.

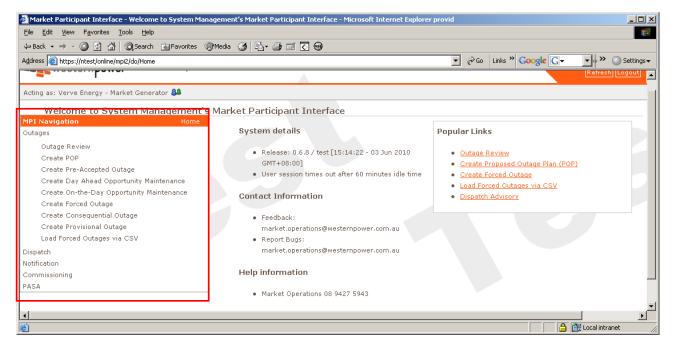
There is also a hidden navigation menu. To view this menu, move the mouse above the orange box and white arrow tips.

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<<< 'he navigation menu is here!	<ul> <li>System details</li> <li>Release: 0.1.17 / test [22:11:30 - 31 Mar 2009 GMT+08:00]</li> <li>User session times out after 60 minutes idle time</li> <li>Contact Information</li> <li>Feedback: market.operations@westernpower.com.au</li> <li>Report Bugs: market.operations@westernpower.com.</li> <li>Help information</li> <li>Market Operations 08 9427 5943</li> </ul>	u	C Local Intranet

Moving the mouse over the orange box will allow a menu to be displayed.



Select one of the options to expand the selection i.e. click on *Outages* to expand the selection as shown below.



## 3. Outage Review

Points to note when in the Outage Review screen.

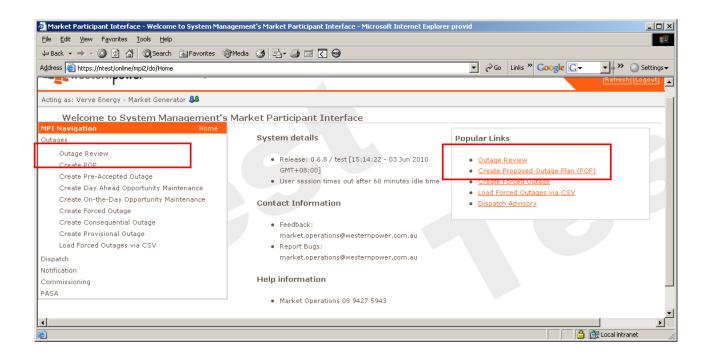
- All market participants can view all other market participant outages, but only when the outages are in their *Approved* or *Approved with Conditions* stage.
- When an item in a category is selected, to unselect it, hold *Ctrl* and click on the previously selected resources.

• Searching based upon a nominated *Outage Number* or *Equipment Description* will cause other search criteria to be ignored, and *Wildcard* searching is supported in description fields using either \* (asterisk) or % (percent) characters to represent multiple missing characters.

e.g.

Searching for a description of \*clearing\* will cause search results to include all records where "clearing" appears anywhere in the description field, whereas searching for a description of \*clearing (note no trailing asterisk) will cause search results to include records where the description field <u>ends</u> with "clearing".

To view outages, select Outage Review from either the hidden menu or the Popular Links.



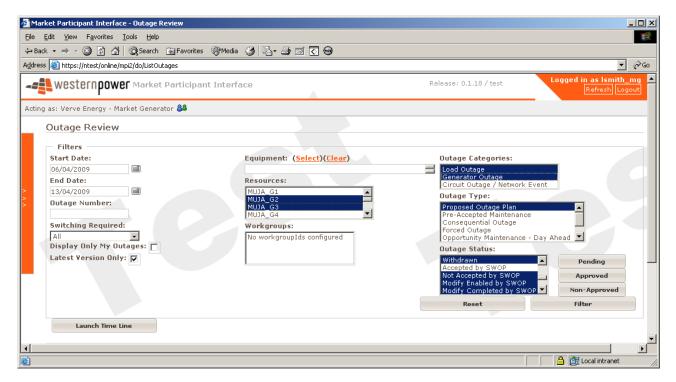
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Fill out the search criteria to suit desired outages to view.

As shown below, more than one criterion can be selected within each field.

As mentioned earlier, to unselect a selection, hold *Ctrl* and click on the selection with the mouse.



## 4. Types of Planned Outage Requests

There are four types of outage planned outage request that are entered via the MPI. The type of request to select is dependent on how far in advance of the outage the request is made.

- 1. **POP (Proposed Outage Plan)** 3 years to 1 week in advance of the outage
- 2. **Pre-accepted outage** The Generation SOPE is to be contacted before the outage is entered. Entered 10 calendar days to 2 days in advance of the outage
- 3. Day-Ahead-Opportunity Maintenance The Market Participant can enter this type of outage between 10am the day before the Scheduling Day, and 10am on the Scheduling Day (the Trade Day before the outage is to start). The Market Participant needs to recognise that the outage may not be sent to the IMO if this outage type is utilised.
- 4. On the Day Opportunity Maintenance The Senior Controller is to be contacted by phone at least 1hour before the outage begins. The outage is then to be put in to the MPI. This can be done ahead of time or entered into the MPI retrospectively up to 15 days after the event.

## 5. Creating a POP (Proposed Outage Plan)

The POP type of outage is a <u>2 step</u> process.

- 1. Outage Scheduling: advising of an intended outage, up to 3 years in advance, preferably no less than 1 year in advance (refer market rule 3.18).
- 2. Outage Approval: obtaining approval to go ahead (refer market rule 3.19). Outage approval is required to be requested at least 2 days ahead of the Trade Day in which the outage is to occur.

#### 5(a). STEP 1 - Outage Scheduling

An outage can be created by selecting either *Create POP* from the left hand side hidden menu or *Create Proposed Outage Plan (POP)* from the *Popular Links* list.

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Note: * indicates mandatory attribute; # indicates	conditionally mandatory attribute.					
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Outage Schedule Input fields are in Western Standard Time. * Start Date/Interval: Start Date/Interval WDST:	* End Date/Interval:		-			
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Complete the details (refer Market rule 3.18.6) using the drop down boxes where applicable.

This information is also in the Appendix.

Below is a description of each field:

- **Outage Type:** Type of outage the user would like to submit. No matter the type of outage, the information submitted is the same
- Status Type: The Status Type is displayed once the outage has been created
- Workgroup: Select from a dropdown list. It is the authority group link to this Outage (Mandatory)
- **Resource:** Selected from a drop down list. This is the resource that will be used in the Outage (Mandatory)
- Outage MW: This is the value in MW that will be removed from the Market. It is <u>not</u> the remaining capacity of the unit (Mandatory). Please be aware of the min and max capabilities of the generator when entering the amount. A remaining amount that puts the unit below its minimum capabilities will force an error.
- **Recovery Time:** This is the time it will take to bring the resource back from Outage. The time unit of measure is Hours (Mandatory)
- Start Date: Select from the calendar. Indicates the start date for the Outage (Mandatory)
- End Date: Select from the calendar. Indicates the end date for the Outage (Mandatory)
- Start time interval: Use drop down box. Indicates the start time Interval of the Outage (Mandatory)

• End time interval: Use drop down box. Indicates the end time Interval of the Outage. In all other screens this field is (Mandatory)

Note Start and End times are based on intervals. That is interval 08:00 is anytime between 08:00:00 and 08:29:59. If the outage is to finish at 16:20, then interval 16:00 is selected. Outages to the IMO are reported only in whole intervals.

- **Outage Description:** A descriptive text of the Outage being requested (Mandatory). Maximum characters allowed in this field are 100
- **Related Outages:** 'Select' any outages that may correspond to and impact the outage. This may be a transmission line entering the power station or a transformer
- **Risk of outage extending beyond requested end time:** Textual description indicating the risk assessment of the Outage extending past the requested End Date and End Time (Mandatory). Maximum characters allowed in this field are 250
- **Contingency Plan:** Textual description indicating the approach if the unit is requested by System Management to return from Outage sooner than scheduled (Mandatory). Maximum characters allowed in this field are 250
- **Operational Information:** Textual description indicating the impact on the operation (Mandatory). Maximum characters allowed in this field are 720
- **Switching required:** This is to determine whether a Switching Operator will be required to isolate the outage equipment
- **Points of Isolation:** Required if a Switching Operator is required to do switching. Click on the 'Select' link for options
- **Points of Isolation Description:** A textual description of the Points of Isolation if specific Points of Isolation aren't known to user

Select the *Check Details* button once details are completed. This will bring up any errors before submission.

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Create Outage				
Note: * indicates mandatory attribute: # indicates conditionally mai	ndatory attribute.			
Main Details				
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Proposed Outage Plan	COLLIE_G1 •		basic description of outage	<u>~</u>
Status Type:	* Outage MW (Facility @ 150	): ( <u>Generation Information</u> )		*
	340.0		Related Outages: (Select)(Clear)	
* Workgroup:	* Recovery Time (Hours):			
COLLIE	999			
Outage Schedule				
Input fields are in Western Standard Time.				
* Start Date/Interval:	* End Date/Interval:			
29/07/2010 🔳 08:00 🔹	30/07/2010 🔳 07:	30 💌		
Start Date/Interval WDST:	End Date/Interval WDST:			
29/07/2010 at 08:00	30/07/2010 at 07:30			
Outage Details				
Operational Impact Description:		WP Switching Required:		
		# Points of Isolation: (S	Select)(Clear)	
* Risk of Outage Exceeding Time:				
generally either nil, med or high.		# WP Points of Isolation	Description:	
* Contingency Plan:		Commissioning Plan:		
Textual description indicating the approach if the unit is requested	by System Management to return from		elect) (Clear)	
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Any errors will be trapped in orange. A description will be displayed at the top of the page.

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Once all errors have been corrected, select the Create Outage button to submit the outage.

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The Outage Successfully Submitted screen is displayed

Once submitted, an outage number is displayed at the top of the page.

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A <mark>cting as: Verve Energy - Market Generator 🐉</mark>	
Outage Successfully Submitted	
Your Outage was successfully created.	
Your Outage has been submitted. The details of the request are shown below.	
Identification       Outage Number:       66391	
E Done	📄 🚔 🔠 Local intranet 🥢

Please quote this number when calling System Management about any outage information.

The end time is the interval during which the outage ends. Should the facility be dispatched at this point, it must be able to synchronise onto the system within the times indicated in the *Standing Data*.

System Management will evaluate the outage and advise the Market Participant by email whether the proposal is acceptable or unacceptable (rejected) (refer Market rule 3.18.13)

Once the outage has been submitted, an email will be sent to the user's inbox confirming any details of the outage along with its current status.

Your new outage definition has been submitted to System Management:

Business Associate: [40542] WPGENER / Verve Energy Entered By: 1smith mg Lodged By: 1smith mg @ 17/04/2009 14:53:46 WST Workgroup: Outage #: 66395 Version #: 0 Outage Type: [POP] Proposed Outage Plan Outage Status: [0001] Awaiting Acceptance Description: test Starts: 07/04/2010 01:00:00 WST 07/04/2010 01:00:00 WDST End: 07/04/2010 02:00:00 WST 07/04/2010 02:00:00 WDST Operational Information: test Resource: Outage MW: For any queries, please contact Market Operations:

Email: market.operations@westernpower.com.au Phone: +61 8 9427 5943

If the outage has been *Accepted* and the user wishes it to be cancelled, the outage may be cancelled from the outage review screen by selecting the red cancel icon under the action column .

#### 5(b) STEP 2 Outage Approval

After an outage has been *Accepted* and it is still the intention of the Market Participant to go ahead with the outage, the Market Participant is then required to seek *Approval*.

Outage Approval must be requested before 10 am, 2 days before the outage is to commence. For example, for any outage starting between Wednesday 8 am and Thursday 8 am, the request for approval must be made before 10 am on Monday.

The following table lists the latest time that approval must be sought.

Outage Starting	
8.00 am Monday – 8.00 am Tuesday	10.00 am Saturday
8.00 am Tuesday – 8.00 am Wednesday	10.00 am Sunday
8.00 am Wednesday – 8.00 am Thursday	10.00 am Monday

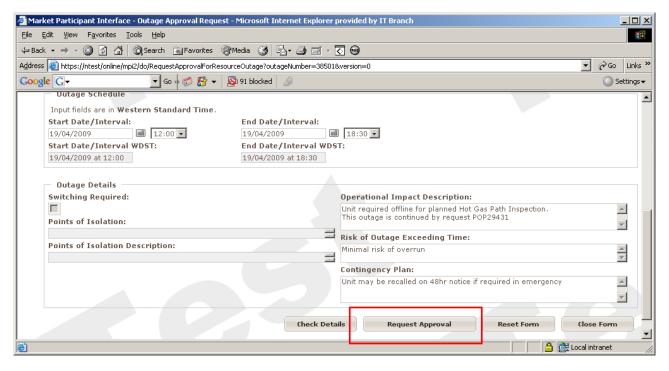
8.00 am Thursday – 8.00 am Friday	10.00 am Tuesday
8.00 am Friday – 8.00 am Saturday	10.00 am Wednesday
8.00 am Saturday – 8.00 am Sunday	10.00 am Thursday
8.00 am Sunday – 8.00 am Monday	10.00 am Friday

Note that these times are Western Standard Time.

Once the relevant outage has been found, click the *Approval* icon to the left hand side of the outage number. The icon has an orange arrow protruding from the box .

The icon will take the user to the Outage Approval Request page.

If the details of the outage are still correct, scroll to the bottom of the page and select the *Request Approval* button. This is shown below.



A message saying *Outage Successfully Submitted* is displayed at the top of the page.

Once approval has been selected, select the Close Form button at the bottom right hand corner.

## 6. Pre-Accepted Outages

This is similar to the second step of the Proposed Outage Plan and can only be entered between 2 days in advance of outage start, and up to 10 calendar days in advance of the outage start time. After the maximum of 10 days, a POP is required to be used.

# Note: The Generation SOPE is required to be contacted before the outage is entered for verbal confirmation.

Select Pre-Accepted outage from the left hand menu and the following screen is displayed.

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The majority of the information for this outage is the same bar for the Additional Information.

The Additional Information fields in the Pre-Acceptance Maintenance outage refers to the conversation the outage requestor had with the Generation SOPE previous to entering the outage.

Enter the details and click *Check Details*, then *Create Outage* button.

The Outage Successfully Submitted screen is displayed.

Once the outage has been submitted, an email will be sent to the user's inbox confirming any details of the outage along with its current status.

Your new outage definition has been submitted to System Management: Business Associate: [40542] WPGINER / Verve Energy Entered By: 1smith mg Lodged By: 1smith mg @ 17/04/2009 14:46:30 W3T Workgroup: Outage #: 56394 Version #: 0 Outage Type: [SPC] Pre-Accepted Maintenance Outage Status: [0002] Awaiting Approval Description: test Starts: 20/04/2009 08:00:00 WST 20/04/2009 08:00:00 WD3T End: 20/04/2009 10:00:00 WST 20/04/2009 10:00:00 WD3T Operational Information: test Resource: Outage NW: For any queries, please contact Market Operations: Email: market.operations@vesternpower.com.au

## 7. Day-Ahead Opportunity Maintenance

Phone: +61 8 9427 5943

A *Day-Ahead Opportunistic Maintenance* (refer Market Rule 3.19.2(a)) request is strictly for maintenance outages only and can be requested between 10am the day before the Scheduling Day, and 10am on the Scheduling Day (the Trading Day before the outage start). The outage must be 24 hours or less and within the same *Trading Day* (ie from 8 am to 7:59:59 am the following Calendar Day) and can not be scheduled on two consecutive Trading Days.

Select Day Ahead Opportunity Maintenance from the left hand menu and the following screen is displayed.

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https://ntest/online/mpi2/do/CreateResourceOutage?type=DAO		💌 rờ Go Links <sup>36</sup> Google 📿 - 💌 🖉 Setting
Create Outage		
Note: * indicates mandatory attribute; # indicates conditional!	y mandatory attribute.	
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Opportunity Maintenance - Day Ahead	Please Select a Workgroup First •	
Status Type:	* Outage MW:	
2	0.0	Related Outages: (Select)(Clear)
* Workgroup:	* Recovery Time (Hours):	Keiateu Outagest (Senets)(Litar)
Outage Schedule		
Input fields are in Western Standard Time.		
* Start Date/Interval:	* End Date/Interval:	
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The information required for this form of outage is the same as the *Proposed Outage Plan*.

Enter the details and click Check Details, then the Create Outage button.

The Outage Successfully Submitted screen should is displayed.

## 8. On-the-Day Opportunity Maintenance

*On-the-Day Opportunity Maintenance* (refer Market Rule 3.19.2(a)) can be requested by contacting SOCC (System Operations Control Centre) at least 1 hour before the start of the outage, and then entering the request in to the MPI retrospectively.

#### Note that the user has 15 business days to enter the outage in to the MPI after the event.

The maintenance must be 24 hours or less in duration and within the same *Trading Day* (ie from 8 am to 7:59:59 am the following Calendar Day). It cannot be scheduled on two consecutive Trading Days.

Select On-the-Day Opportunity Maintenance from the left hand menu.

🚰 Market Participant Interface - Create Outage - M	icrosoft Internet Explorer provided by IT Branch		
Create Outage			
Note: * indicates mandatory attribute; # indicates mandatory attribute; # indicates	dicates conditionally mandatory attribute.		
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* Workgroup:	* Recovery Time (Hours):		
Outage Schedule	me.		
* Start Date/Interval:	* End Date/Interval:		
Start Date/Interval WDST:	End Date/Interval WDST:		
Outage Details			-
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The information required for this form of outage is the same as the Proposed Outage Plan.

Enter the details and click Check Details, then the Create Outage button.

The Outage Successfully Submitted screen is displayed.

## 9. Forced/Consequential Outages

Forced Outages are outages without approval (refer Market Rule 3.21)

*Forced Outages* and *Consequential Outages* can be submitted via the MPI a maximum of 15 business days after the event.

Select Create Forced Outage or Create Consequential Outage from the left hand menu.

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The following screen is displayed.

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Enter details in the appropriate fields (refer Market rule 3.21.4)

The information required for both *Forced* and *Consequential* outages are the same.

# NOTE: If the end time interval of the outage is estimated due to outage circumstances, the end time can be later shrunk by clicking on the *Shrink Outage Dates* icon. The icon has a blue arrow protruding from a white folder <sup>1</sup>.

Once the details have been entered, click on the Create Outage button.

The *Outage Successfully Submitted* screen is displayed. The outage number is the reference to be used in communication with System Management. This screen is shown below.

Ma	arket Participant Interface - Outage Successfully Submitted - Microsoft Internet Explorer provided by IT Branch	
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	Outage Successfully Submitted	
	Your Outage was successfully created.	
	Your Outage has been submitted. The details of the request are shown below.	
>	Identification       Outage Number:     Version:       66391     0	
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### **Forced Outage Cancellation**

#### A Forced Outage may be cancelled up to 15 days after the trading day.

The outage may be cancelled from the outage review screen, by selecting the red cancel icon under the action column  $\square^{2}$ .

Note that the red icon may not appear until approximately 5 minutes after the outage is entered and will be disabled if it is after 15 days.

The Cancel Request Screen is displayed.

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Select the Cancellation Request button

The Outage Successfully Submitted screen is displayed.

# **10. Creating Provisional Outages**

A *Provisional Outage* is utilised when the Participant requires System Management to be informed about an outage but does not require the information to go to the Independent Market Operator.

An example of this would be a 0MW outage or a *Forced Outage* that has an unknown end date. The *Provisional Outage* can be entered allowing System Management to plan ahead knowing that the unit is unavailable.

A *Provisional Outage* could also be used if the MW output is not affected by any maintenance or testing.

The information in a *Provisional Outage* is only used for System Management's planning purposesit does not get sent to the IMO.

Select the Create Provisional Outage from the left hand menu.

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Image: Schedule   Input fields are in Western Standard Time.   * Start Date/Interval:   * End Date/Interval:   * End Date/Interval:   * End Date/Interval:   Image: Start Date/Interval:   * Start Date/Interval:   * End Date/Interval:   * WP Switching Required:   # Points of Isolation:   * WP Points of Isolation Description:   N/A   * WP Points of Isolation Description:   N/A   * WP Points of Isolation Description:   N/A   * WP Points of Isolation Description:   * WP Points of Isolation Description:						
<ul> <li>Workgroup:</li> <li>Recovery Time (Hours):</li> <li>W/A</li> <li>Outage Schedule</li> <li>Input fields are in Western Standard Time.</li> <li>Start Date/Interval:</li> <li>End Date/Interval:</li> <li>Start Date/Interval:</li> <li>End Date/Interval WDST:</li> <li>End Date/Interval WDST:</li> <li>Outage Details</li> <li>Operational Impact Description:</li> <li>WP Switching Required:</li> <li># Points of Isolation: (Select)(Clear)</li> <li># WP Points of Isolation Description:</li> <li>WP Points of Isolation Description:</li> <li>N/A</li> <li>WP Points of Isolation Description:</li> <li>N/A</li> <li>WP Details</li> <li>Create Outage</li> <li>Reset Form</li> <li>Close Form</li> </ul>		0.0		Related Outages: (S	elect)(Clear)	
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Outage Details         Operational Impact Description:         Image: Description:         Image: Points of Isolation:         Risk of Outage Exceeding Time:         N/A         Image: Points of Isolation Description:         Image: Points Of Isolation Description: <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>			•			
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Operational Impact Description:     WP Switching Required:       # Points of Isolation: (Select)(Lear)       Risk of Outage Exceeding Time:       N/A       Contingency Plan:       N/A       M/A       Contingency Plan:       Contingency Plan:       Check Details       Create Outage       Reset Form						
Operational Impact Description:     WP Switching Required:       # Points of Isolation: (Select)(Lear)       Risk of Outage Exceeding Time:       N/A       Contingency Plan:       N/A       M/A       Contingency Plan:       Contingency Plan:       Check Details       Create Outage       Reset Form						
Risk of Outage Exceeding Time: N/A Contingency Plan: N/A Check Details Create Outage Reset Form Close Form						
# Points of Isolation: (Select)(Clear)       Risk of Outage Exceeding Time:       N/A       ©       Contingency Plan:       N/A       ©       Check Details       Create Outage       Reset Form       Close Form	Operational Impact Description:			ea:		
Risk of Outage Exceeding Time:       # WP Points of Isolation Description:         N/A       #         Contingency Plan:       #         N/A       #         Contingency Plan:       #				: (Select)(Clear)		
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Check Details Create Outage Reset Form Close Form			*			
Check Details Create Outage Reset Form Close Form						
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The details to be entered for a *Provisional Outage* are the same as a *Forced* or *Consequential* outage.

Once the details have been entered, click on the Create Outage button.

The *Outage Successfully Submitted* screen is displayed. The outage number is the reference to be used in communication with System Management.

# 11. Commissioning

#### 11(a) Viewing Commissioning Plans

A Market Participant's Commissioning Plan can only be viewed by the Market Participant that entered the plan.

To view a Commissioning Plan, select *Commissioning Plan Search / List* from the left hand side menu.

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Welcome to System Management's	Market Participant Interface		
MPI Navigation	Home		
Outages	tem details	Popular Links	
Dispatch			
wodification	Release: 0.6.9 / test [13:01:34 - 24 Jun 2010 GMT+08:00]	Outage Review	
Commissioning	<ul> <li>User session times out after 60 minutes idle time</li> </ul>	<ul> <li>Create Proposed Outage Plan (POP)</li> </ul>	
Commissioning Plan Search / List		<u>Create Forced Outage</u>	
Create Commissioning Plan	tact Information	Load Forced Outages via CSV	
PASA	. See dhealth mention and a second on a feature and an	Dispatch Advisory	
PASA	<ul> <li>Feedback: market.operations@westernpower.com.au</li> </ul>		
	<ul> <li>Report Bugs: market.operations@westernpower.com.au</li> </ul>		
	Help information		_
	Help mormation		
	<ul> <li>Market Operations 08 9427 5943</li> </ul>		-
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Filter the date range and select the resource to specify a particular commissioning period.

Select the *Filter* button.

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Commissioning Pla	n Revie	ew							
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Participant:			1000	Start Date:			Resource:		
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Cucer version only. [P				28/09/2010			KWINANA_G1 KWINANA_G2		
							KWINANA G3	-	
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🗃 mil mil	10	Yersion	Start 14/06/2010 08:00	End 30/06/2010 07:30	Participant Verve Energy	Resource KWINANA G1	Status Approved	Schedule Defined 3 of 16	Quiaue2
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#### 11(b) Creating Commissioning Plans

To enter a Commissioning Plan, an outage must already exist with a status other than Recalled, Withdrawn, Superseded, Rejected, Cancelled by MP, Cancelled by SM, Not Accepted, SWOP Rejected or SWOP Not Accepted. To enter a POP, please see section 5.

To Create a Commissioning Plan, select *Create Commissioning Plan* from the left hand side menu and complete the screen details. This is shown below.

The Commissioning Plan can also be created from the outage screen once the outage has been submitted.

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Create Commissioning Plan				
Fo associate this plan with an outage, the outage must alreads Note: * indicates mandatory attribute	y exist with a status other than Recalled, Withdrawn, Su	rerseded, Rejected, Cancelled by MP, Cancelled b	y SN, Not Accepted, SWOP Rejected or SWOP Not Accept	rd.
Status Information				
Status:				
1971 1971				
No. A Company				
Nain Details				
* Resource:		Outage: [[176582]: test		
* Fuel Types:		* Contingency Plan:	2	
Liquid			to get the machine back in to service if the machine trips.	1
Gas Coal				-1
		* Test Description:		
* Facility Description:		Details of test. Hourly load levels to be entered in to	the uploaded schedules.	*
Facility name og CPS				-1
* Systems (Undergoing Testing):				
eg Boiler Controls, Automatic Voltager Regulators etc		4		
	2	1		
Contact Details				
* Commercial Telephone:		* Operational Telephone:		
* Commercial Email:		* Operational Email:		
1@blah.com		2@blah.com		
* Commercial Mobile:		* Operational Mobile:		
040000001		040000002		
* Commercial Fax:		* Operational Fax:		
1		2		
Commissioning Plan Scheduled Time				
Input fields are in Western Standard Time.				
* Start Date/Interval:	* End Date/Interval:			
30/08/2010	1/08/2010			
Start Date/Interval WDST:	End Date/Interval WDST:			
30/08/2010 at 08:00	01/08/2010 at 07:30			
			Submit	lose Form
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Below is a description of each field:

- Status Type: The Status Type is displayed once the outage has been created
- **Resource:** Selected from a drop down list. This is the resource that will be used in the Outage.
- **Outage:** Selected from the dropdown list. Select the outage that precedes the Commissioning Plan.
- Fuel Types: Select the Fuel Type the Resource will be run on.
- Facility Description: This is the name of the facility rather than the Resource Name.
- Systems (Undergoing Testing): e.g. Boiler Controls, Automatic Voltage Regulators
- **Contingency Plan:** Textual description indicating the process and how many hours it will take to get the machine back in to service if the unit trips.
- **Test Description:** Details of test. Hourly load levels to be entered in to the uploaded schedules.
- Start Date: Select from the calendar. Indicates the start date for the Commissioning.
- End Date: Select from the calendar. Indicates the end date for the Commissioning.
- Start time interval: Use drop down box. Indicates the start time Interval of the Commissioning.

• End time interval: Use drop down box. Indicates the end time Interval of the Commissioning.

#### All fields are mandatory except for the Status (autopopulated) and Outage.

Start and End times are based on trading intervals (e.g. 08:00 is anytime between 08:00:00 and 08:29:59). If the outage is to finish at 16:20, then interval 16:00 is selected. Outages sent to the IMO are reported in whole intervals only.

Select the Submit button once details are completed.

If there are no errors displayed, a message stating *The Commissioning Plan was inserted* will be displayed at the top of the screen and a *Commissioning Plan Id* will be displayed underneath.

The *Status* of Awaiting Approval will be displayed until System Management Approves the dates and details of the plan.

Market Participant Interface - Commissioning Plan Successfully Submitted - Microsoft Internet Explorer provided	by IT Branch
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ting as: Verve Energy - Market Cenerator 🔐	
Commissioning Plan Gueessfully Gubmittee	
The Cammissioning Plan was inserted	
Your Commissioning Plan has been submitted. The details of the request are shown below.	
Identification Commissioning Plan Id: Version: 11 0	
Status Information Status: Awating Approval	
Main Details	
* Resource:	Outage: [176582]: test *
* Fuel Types:	* Contingency Plan:
	Textual description indicating the process and how many hours it will take to get the machine back in to service if the unit trips
	* Test Description:
* Facility Description: CPS * Systems (Undergoing Testing):	Details of test. Hourly load levels to be entered in to the uploaded schedules.
systems (contrading)	🔓 🎘 Local intranet

The Commissioning Plan Id will also be displayed in the associated outage details.

ket Participant Interface - View Outage Details - Microsof	t Internet Explorer provided by IT Branch		_
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View Outage Details			
Identification			
Outage Number:	Version:		
176582	1		
170302			
Main Details			
Outage Type:	Resource:	Outage Description:	
Proposed Outage Plan	COLLIE G1	test	<u>_</u>
Status Type:	Outage MW (Facility @ 15C): (Generation Information)		-
Accepted	340.0	Related Outages:	
Workgroup:	Recovery Time (Hours):	Related Outages:	100
COLLIE	4		
Start Date/Interval: 29/08/2010  Start Date/Interval WDST: 29/08/2010 at 08:00	End Date/Interval: 00/08/2010  Fnd Date/Interval WDST: 00/08/2010 at 07:30		
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Outage Details			
Operational Impact Description:	WP Switching Required:		
test			
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nil	WP Points of Isolation De	scription:	
Contingency Plan:	Commissioning Plan:		
NA		Commissioning Plan	
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A link to the associated outage can be seen when the Commissioning Plan Review screen is displayed.

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Commissioning Plan Review						
Filters Participant: Verve Energy Latest Version Only: 🖉	Start Date: 29/06/2010	Ĩ		Resource: ALBANY_WF1 BREMER_BAY_NG1	4	
	31/06/2010	1		BREMER_BAY_NG2 BREMER_BAY_NG3 BREMER_BAY_NG4	-	
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ID Yersion Start	End	Participant	Resource	Status	Schedule Defined	Outage#
■ ■ 11 0 30/08/201	0 08:00 51/08/2010 07:30	Verve Energy	COLLIE_G1	Awaiting Approval	0 of 1	176582
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Once the Commissioning Plan has been Approved by System Management, the user is able to *Cancel Commissioning Plan, Modify Commissioning Plan* and *Modify Commissioning Schedule*. The plan may be viewed at any stage.

Any of the above options can be initiated by selecting one of the highlighted icons shown in the below screenshot.

Market Participant Interface Commissioning Plan Review M Elle Edit View Figvorites Tools Help	icrosoft Internet Explorer p	rovided by IT Branch					
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Participant		Start Date: 29/06/2010			Resource:		1
Verve Energy Latest Version Only: 🔽		End Date:			ALBANY_WF1 DREMER_DAY_NG1 BREMER_BAY_NG2	4	
		31/08/2010			BREMER_BAY_NG2 BREMER_BAY_NG3 BREMER_BAY_NG4	-	
View Commissioning Plan						Roset	Filter
Cancel Commissioning Plan Modify Commissioning Plan ID Version	Start	Lod	Participant	Resource	Status	Schedule Defined	Quitage#
🦛 🞯 🕷 🗐 🦷 11 1	30/08/2010 08:00	31/08/2010 07:30	Verve Energy	COLLIE_G1	Approved	0 of 1	176582
[Modify Commissioning Schedule]							🕒 📺 Local intranet

#### 11(c) Uploading Commissioning Schedules

Once the Commissioning Plan has been Approved, the Commissioning Schedule can be uploaded.

The Commissioning Schedule provides expected generation data for each individual trading day of the Commissioning Plan.

Select the *Modify Commissioning Schedule* icon . The following page will be displayed.

Mtps://ntest/online/inpi2/do/UploadSchedule?commissioningPlanu	d=11		• (2 Go Links * Google (	
Commissioning Plan Schedule				
Commissioning Plan Info				
Commissioning Plan Id:	Version:	Status:		
11	1	Approved		
Last Modifier:	Last Modication Time:			
wpgener	29/06/2010 15:04:46			
The number of completely defined trading days for this co	mmissioning plan is 0 of 1.			
Filters				
Start Date:	Upload Schedule:			
68	Browse	and the second second second second		
		Download Schedule Template File	Submit	Close
50/08/2010 31/08/2010 01/09/2010 02/09/2	010 03/09/2010 04/09/2010 05/09/2010			
30/03/2020 32/03/2020 02/04/2020 02/04/2	010 0309/2010 04/09/2010 03/09/2010			
Trade Date : 30/08/2010 Status:	Rejection Reason: Likelihood of Trading Day Reject	100:		

To enter the data for each Trading Day, select the Download Schedule Template File link.

Save the file and then modify the template with the data to be used in Commissioning Schedule.

The template has the following headings that describe what data is be used in the template.

<<DELIVERY\_DATE,TRADING\_TIME,ACTIVE\_NET\_POWER,REACTIVE\_NET\_POWER,FUEL\_ MIX,TRIP\_RISK(H/M/L),COMMENTS,POWER\_SYSTEM\_TEST,SPECIAL\_TEST\_DESCRIPTION, RESOURCE\_NAME>>

Below is a description of each field:

- Delivery Date: The date that the Commissioning Plan is to commence.
- Trading Time: This is the start of the half hour interval.
- Active\_Net\_Power: This is a zero or positive integer in MW
- Reactive\_Nett\_Power: This is a zero, positive or negative integer in MVars
- Fuel Mix: Either Gas, Coal, Liquid, or combinations of two different fuels
- Trip Risk: Either H/M/L (High/Medium/Low)
- Comments: Extra information
- **Power\_System\_Test:** From Table A11.1 of the Technical rules
- **Special\_Test\_Description :** Table A11.2 of the Technical rules

The data can be entered either in the template CSV or into an Excel Spreadsheet and saved to a CSV file.

Elle Edit Format Help         DELIVERY_DATE, TRADING_TIME, ACTIVE_NET_POWER, REACTIVE_NET_POWER, FUEL_MIX, TRIP_RISK         (H/M/L), COMMENTS, POWER_SYSTEM_TEST, SPECIAL_TEST_DESCRIPTION, RESOURCE_NAME         30/08/2010, 8:00, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 9:00, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 9:30, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 0:00, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 0:00, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 10:00, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 10:30, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 10:30, 240, 29, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 11:00, 280, 35, Coal, H, Test, All.1 Description, All.2 Description, collie_G1         30/08/2010, 11:00, 280, 35, Coal, H, Test, All.1 Description, All.2 Description, Collie_G1         30/08/2010, 12:00, 280, 35, Coal, H, Test, All.1 Description, All.2 Description, Collie_G1         30/08/2010, 12:30, 280, 35, Coal, H, Test, All.1 Description, All.2 Description, Collie_G1         30/08/2010, 12:30, 280, 35, Coal, H, Test, All.1 Description, All.2 Description, Collie_G1         30/08/2010, 12:30, 280, 35, Coal, H, Test, All.1 Description, All.2 Description, Collie_G1
<pre>(H,M/L),COMMENTS,POWEE_SYSTEM_TEST,SPECIAL_TEST_DESCRIPTION,RESOURCE_NAME 30/08/2010,8:00,240,29,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,9:00,240,29,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,9:00,240,29,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,0:00,240,29,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,0:00,240,29,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,10:00,240,29,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,10:00,240,29,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,11:00,280,35,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,11:30,280,35,Coal,H,Test,All.1 Description,All.2 Description,collie_G1 30/08/2010,12:00,280,35,Coal,H,Test,All.1 Description,All.2 Description,Collie_G1</pre>
<pre>30/08/2010.13:30.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.14:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.15:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.15:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.16:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.17:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.18:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.18:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.18:00.280,35.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.18:00.20.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.19:00.180.20.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.19:00.180.20.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 30/08/2010.20:00.180.20.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 31/08/2010.20:00.180.20.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 31/08/2010.20:00.180.20.Coal, H, Test, All.1 Description, All.2 Description, Collie_GI 31/08/2010.180.180.20.Coal, H, Test, All.1 D</pre>

Select the *Browse* button next to the *Upload Schedule* field and select the saved file. Select the *Submit* button to upload the file.

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Commissioning Plan Schedule				
Commissioning Plan Info				
Commissioning Plan Id:	Version:	Status:		
11	1	Approved		
Last Modifier:	Last Modication Time:			
wpgener	29/06/2010 15:04:46			
The number of completely defined trading days for this commi-	ssioning plan is 0 of 1.			
The number of completely defined trading days for this commi- Filters	ssioning plan is 0 of 1.			
	ssioning plan is 0 of 1.		_	
Filters	The second second			
Filters Start Date:	Upload Schedule:	Rominad Schedule Template File	Submit	Close
Filters Start Date:	Upload Schedule:	Download Schedule Template File	Submet	Close
Filters Start Date:	Upload Schedule: Bower	Contribute Scientific Template File	Submit	Close
Start Date:	Upload Schedule: Bower	Rominad Schedule Template Ele	Submit	Close
Start Date:	Upload Schedule: Bower	Download Schedule Template File	Submit	Close

The data will be uploaded and displayed on screen.

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Select the *Submit* button again once happy with the uploaded data.

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Once submitted, the Status will show Awaiting Approval. The data will then be assessed by System Management.

The information can be modified by uploading and resubmitting the information. The changes are outlined in the highlighted section below.

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Please note that up to 7 days worth of data can be uploaded at any one time.

## **12. Loading Forced Outages via CSV**

A list of forced outages can be submitted via a CSV upload if the file is in the correct format.

Select the Load Forced Outages via CSV from the left hand menu.

🚰 Market Participant Interface - Forced Outage via	CSV - Microsoft Internet Explorer provided by IT	Branch	
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Westernpower Market Particip	oant Interface	Release: 0.1.24 / test	Logged in as Ismith_mg Refresh Logout
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https://ntest/online/mpi2/do/LoadForcedOutageCSVForm			🔚 📴 Local intranet 🛛

The information entered in to the CSV file should be in the format as seen in the below text string.

<<action,outage\_number,resource\_id,workgroup,outage\_mw,start\_date,start\_in terval,end\_date,end\_interval,operational\_impact\_desc,outage\_description>>

Below is a screenshot of the created CSV file.

ForcedOutageadd	csv - Notepad	
File Edit Format He	dp.	
ACTION,OUTAGE_N Add,,resource i	WMBER,RESOURCE_ID,WORKGROUP, d,Workgroup id,145,12/11/200	OUTAGE_MWW,START_DATE,START_INTERVAL,END_DATE,END_INTERVAL,OPERATIONAL_IMPACT_DESC,OUTAGE_DESCRIPTION > 7,18:00,12/11/2007,19:30,demo of operational impact field, demo of outage description field

Once the CSV file has been created, save it to a designated area.

Select the *Browse* button and collect the CSV file to upload from the designated area.

🚰 Market Participant Interface - Forced Outage via CSV - Microsoft Internet Explorer provided by IT Branch		
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Load the file the following screen is displayed.

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Add resource id	Workgroup id 145	17/04/2009 18:00	17/04/2009 19:30	demo of operational impact field	demo of outage description field	
				Submit	Reset	-
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Click on the Submit button once the file has loaded and the following confirmation is displayed.

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An outage number will be created once the correct confirmation has been received.

If the upload is not successful, the result will state *AddFail* under *Action*, and the reason will be explained under the *Comment* field. An example is shown in the below screenshot.

🚰 Market Participant Interface - Forced Outage Result - Micro	soft Internet	Explorer prov	ided by I1	í Branch				<u> </u>
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Forced Outage Result								
• The file has been processed!								
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Action Ou <mark>tage# Resource</mark> Workgroup	Outage MW	Start Date	Start Time	End Date	End Time	Impact Desc	Description	Comment
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## 13. Dispatch

#### 13(a) Dispatch Instruction Acknowledgement

Dispatch Instructions are made via telephone call between control rooms. An email will be sent to the Market Participant confirming the details (refer Market Rule 7.7.3). The Market Participant is to acknowledge the instruction via the MPI.

Select the Dispatch Instruction Acknowledgement link from the hidden menu.

Market Participant Interface - Dispatch Instruction	Acknowledgement List - Microsoft Internet Explorer provided by IT Branch	
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Wind Farm Forecast		
Dispatch Advisory Submission		
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Click the Acknowledge button

An acknowledgement Success screen is displayed.

#### 13(b) Dispatch Fuel Change submission

A *Fuel Change* submission is required to be entered into the MPI at least 1hr before the fuel change is to commence.

Select Fuel Declaration from the hidden menu.

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Westernpower Market Participant Interface Release: 0.1.41 / test Refresh Loged in as Ismith_r	
Acting as: Verve Energy - Market Generator 😂	
Welcome to System Management's Market Participant Interface	
MPI Navigation     Home       Outages     System details       Dispatch     • Release: 0.1.41 / test [22:12:00 - 28       Dispatch Instruction     e!       Acknowledgement     • May 2009 GMT+08:00]       Fuel Declaration     • User session times out after 60 minutes       Wind Farm Forecast     • idle time       Dispatch Advisory Submission     Contact Information	
Feedback: market.operations@westernpower.com.au     Report Bugs:      https://ntest/online/mpi2/do/LoadDispatchFuelChangeForm	<u> </u>

The following screen will appear.

Enter the Trade Date, Change Start Interval, Change End Interval, Resource Name and New Fuel.

🚰 Market Participant Interface - Dispatch Fuel Change Declara	tion - Microsoft Internet Explore	r provided by IT Branch	
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Dispatch Fuel Change Declaration Main Details Trade Date: 29/05/2009	Resource Nam	e:	
Change Start Interval: 17:00 V Change End Interval:	New Fuel:	Ion-Liquid	
17:30 •			
	Note: All trade dates are proc	essed as Western Standard Tir	me (WST/GMT+8) values.
	Submit	View Fuel Changes	Reset Form
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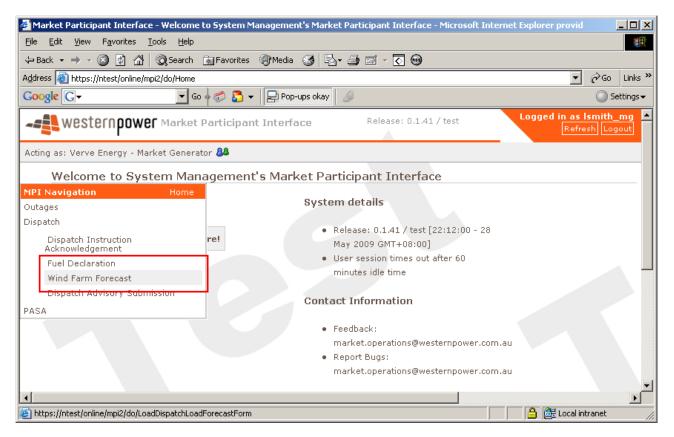
Click on the *Submit* button and the message *Fuel change submission succeeded* will appear if no errors are displayed.

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Dispatch Fuel Change Declaration	-
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Main Details	-
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#### 13( c) Wind Farm Forecast

A Participant must advise System Management of the forecast windfarm output between 12:00 on the scheduling day to the end of the next trading day by 10:00 on the scheduling day (ref Market Rule 7.2.5). This covers 88 trading intervals. This is entered as a comma separated variable (csv) file for each wind facility.

Select Wind Farm Forecast from the hidden menu.



Enter the Resource Name, From Delivery Date and To Delivery Date.

#### Select the Upload button.

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A sample template file can be downloaded for the correct format.

Select Browse to find the forecast file to upload.

#### Select the Upload File button.

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The data uploaded will be displayed as shown below.

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If the user is satisfied with the data, scroll to the end and *Submit* the data.

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31/05/2009	01/06/2009	5	1	0.0	
31/05/2009	01/06/2009	5	2	0.0	
31/05/2009	01/06/2009	6	1	0.0	
31/05/2009	01/06/2009	6	2	0.0	
31/05/2009	01/06/2009	7	1	0.0	
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The following message box will appear if the upload was successful.



# 14. Notifications

#### 14(a) Dispatch Advisory Submission

The Dispatch Advisory Submission can be used by a Market Participant to notify System Management of any external circumstances that may affect their facility, but is not related to the facility itself.

Select Notification and Dispatch Advisory Submission from the left hand menu.

Market Participant Interface - Welcome to System	n Management's Market Participant Interface - Microsoft Internet Explorer provid		_ <b>_</b> ×
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Dispatch Advisory Submission		
Note: * indicates mandatory attribute.		
Main Details		
* Start Date/Interval:		
* Advisory Action:		
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Enter the required details and submit the notification.

#### 14(b) Facility Notification

The *Facility Notification* can be used by a Market Participant to notify System Management of any circumstances that may affect their facility, but do not affect the facility's MW capabilities.

Select Facility Notification from the left hand menu.

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Create Facility Notification		-
Participants must be aware of their responsibilities under the Market Rules.		
A Facility Notification is not an Outage and may not be used to define a resource being fully or partially unavailable, or only available with warm or cold starts.		
During the period of any Facility Notification, a resource must still be available to be dispatched in accordance with its Standing Data. Note: * indicates mandatory attribute.		
Main Details		
* Start Date/Interval:		
* End Date/Interval:		
* Notification Description:		
	<u>^</u>	
Expected System Nanagement Action:		
	*	
* Notification Type:	<b>Y</b>	
Coal Impact		
Resource:		
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Enter the required details and submit the notification.

## 15. MT PASA

The market participant must provide availability and change to facility data to System Management so System Management can perform the MT PASA study each month (refer Market rule 3.16.4). Note the MT PASA covers the next 3 years.

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> Use	<u>#</u>	<u>Ver.</u>	<u>Type</u>	<u>Resource</u>	MW	DST	Start	DST	End	Description
	20982	0	POP	KWINANA_G2	114.0		20/08/2009		21/09/2009	C Class overhaul
	55181	1	POP	MUJA_G6	200.0		09/07/2009		04/10/2009	A Class outage
	56941	0	POP	MUJA_G5	200.0		01/04/2010		28/06/2010	A Class overhaul
	66071	9	POP	COCKBURN_CCG1	240.0		18/02/2011		17/03/2011	sdfgs
•									Next	Cancel
<u>.</u>										Et Local intranet

Confirm outages by ticking the relevant outages (or select all) that are confirmed then click Next.

Upload any or all of 5 csv files relating to changes, energy constraints, non-scheduled (e.g.windfarm) production. Choose *Next* if no information.

## 16. ST PASA

The market participant must provide availability data to System Management so System Management can perform the ST PASA study each week (refer Market rule 3.17.5). Note the ST PASA covers the next 3 weeks

The process is the same as for the MT PASA.

# 17. Appendix

#### Information required to enter an outage:

- **Outage Type:** Type of outage the user would like to submit. No matter the type of outage, the information submitted is the same
- Status Type: The Status Type appears once the outage has been created
- Workgroup: Select from a dropdown list. It is the authority group link to this Outage (Mandatory)
- **Resource:** Selected from a drop down list. This is the resource that will be used in the Outage (Mandatory)
- MW Outage MW: This is the value in that will be removed from the Market. It is not the remaining capacity of the unit (Mandatory)
- Recovery Time: This time it will bring from Outage. is the take to the resource back The time unit of measure is Hours (Mandatory)
- Start Date: Select from the calendar. Indicates the start date for the Outage (Mandatory)
- End Date: Select from the calendar. Indicates the end date for the Outage (Mandatory)
- Start time interval: Use drop down box. Indicates the start time Interval of the Outage (Mandatory)
- End time interval: Use drop down box. Indicates the end time Interval of the Outage. In all other screens this field is (Mandatory)

Note Start and End times are based on intervals. That is interval 08:00 is anytime between 08:00:00 and 08:29:59. If the outage is to finish at 16:20, then interval 16:00 is selected. Outages to the IMO are reported only in whole intervals.

- Outage Description: A descriptive text of the Outage being requested (Mandatory).
- **Related Outages:** 'Select' any outages that may correspond to and impact the outage. This may be a transmission line entering the power station or a transformer
- **Risk of outage extending beyond requested end time:** Textual description indicating the risk assessment of the Outage extending past the requested End Date and End Time (Mandatory). Maximum characters allowed in this field are 250
- **Contingency Plan:** Textual description indicating the approach if the unit is requested by System Management to return from Outage sooner than scheduled (Mandatory). Maximum characters allowed in this field are 250
- **Operational Information:** Textual description indicating the impact on the operation (Mandatory). Maximum characters allowed in this field are 720
- Switching required: This is to determine whether a Switching Operator will be required to isolate the outage equipment
- Points of Isolation: Required if a Switching Operator is required to do switching. Click on the Select link for options
- Points of Isolation Description: A textual description of the Points of Isolation if specific Points of Isolation aren't known to
  user

## **18. Contact System Management**

For queries regarding the Market Participant Interface

By email ; market.operations@westernpower.com.au

By phone: (08) 9427 5943

By fax: (08) 9427 4228

By email; sope@westernpower.com.au

By phone: (08) 9427 4285

By fax: (08) 9427 4228

## **19. Special Notes**

Maximum Supply Capability – Market Rule 6.3A.2

System Management sends the IMO data on all approved planned and forced outages for the trading day at 8.00 am on the scheduling day (as per market rule 7.3.4). As Opportunity Maintenance requests can only be entered between 6.00 am and 10 am on the scheduling day it is unlikely to be approved prior to this time and so these requests may not be used in the determination of the Maximum Supply Capability.

#### **Outage Quantities**

All outages should be entered as the reduction in capacity at a temperature of 15 degrees Celsius, irrespective of the forecast ambient temperature at site during the outage. It must be noted System Management reports all outages to the IMO at 41 degrees Celsius, based on the ratio of the facility capability at 41 deg C and its capability at 15 deg C. This generally accounts for variations on outage quantities between IMO reports and the System Management MPI.

