

AESO ENERGY TRADING SYSTEM

# *Ancillary Service*

# *Restatements and Substitutions*

Updated November, 2012



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## Introduction

This manual is intended for staff involved in entering and maintaining submissions data or staff involved in entering and maintaining pool asset constraints.

### System Requirements

The supported platform for the Energy Trading System is Windows XP, Windows 7 and Internet Explorer 6, 8 and 9.

### Digital Certificates

Certain communication with the AESO, including the process to submit bids and offers, register/accept net settlement instructions (NSI), and retrieve statements is handled through the Internet. To ensure that the Internet-based communication between participants and the AESO is secure, participants must purchase a digital certificate.

# Ancillary Services<sup>1</sup> Restatements

The AESO uses a range of ancillary services provided by the generation (producers of energy) and load (consumers of energy) sides of the electricity system. Each type of ancillary service performs a unique function that supports the safe and reliable operation of the Alberta grid, as well as the neighboring jurisdictions to which the Alberta system is connected.

For the purposes of ETS, restatements for ancillary services can only be performed for SUPG, SR, RR and TMR.



## Steps

**Note:** Ancillary Services restatements or substitutions cannot be performed in the ETS training environment at this time. This is because data is required from another application to feed into the ETS.

### 1. Create an Ancillary Service Restatement

A. Click on the [Ancillary Service] tab.

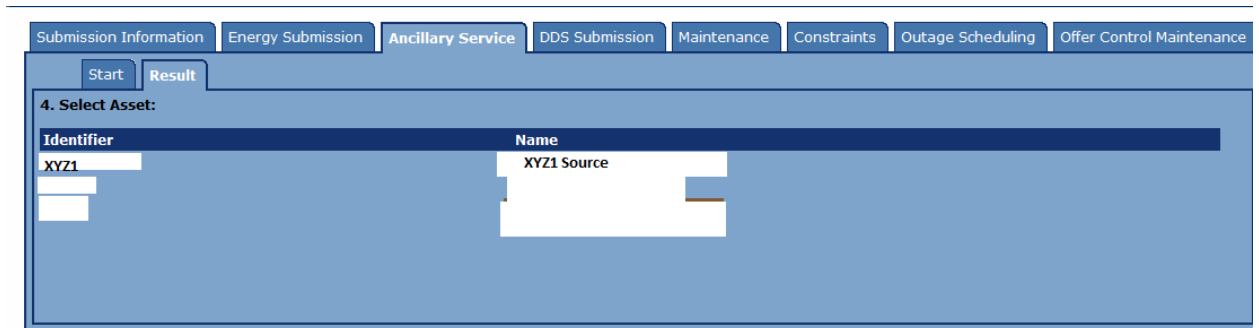


B. From the [Select Submission Action] list box, choose the Restatement option.

C. From the [Select Dispatch Date] list box, choose the current day (it will be the only date available).

<sup>1</sup> Refers to the full range of products available such as Supplemental Generation (SUPG), Spinning Reserves (SR), Regulating Reserves (RR), Transmission Must Run (TMR), Blackstart, Voltage Control (VC). However, for the purposes of the ETS RR, SR, SUP, and TMR are the only products that can be restated in the ETS.

- D. Under [Choose Asset Type], click on the [Sink] or [Source] radio button. In this example Source is being used. Click [Next].
- E. From the [Select Asset] list box, choose the desired pool asset.



Identifier	Name
XYZ1	XYZ1 Source

**Note:** The restatement screen will appear. Restatements for Ancillary Services can only be performed for the current day.

- F. From the [Data Entry] tab, you will see the maximum approved capacity values for each type of ancillary service available to the system controller in each hour. **Please note these values are not the actual contracted values for each hour.**

Submission Information | Energy Submission | **Ancillary Service** | DDS Submission | Maintenance | Constraints | Outage Scheduling | Offer Control Maintenance

Start | Result | **Data Entry**

Enter Ancillary Service Data for **XYZ LTD.** to restate **XYZ1** Source, for Sep 10,2012

Note: Values listed show the maximum approved capacity values for each type of ancillary service available to the System Controller in each hour. These are not the actual contracted values for each hour.

**5. Enter Data**

**Submission Helper**

Column: SUP

Begin (hour ending): 16

End (hour ending): 24

Value(MW):

Hour End	SUP		TMR	
	Max MW	Current MW	Max MW	Current MW
01	12	12	12	12
02	12	12	12	12
03	12	12	12	12
04	12	12	12	12
05	12	12	12	12
06	12	12	12	12
07	12	12	12	12
08	12	12	12	12
09	12	12	12	12
10	12	12	12	12
11	12	12	12	12
12	12	12	12	12
13	12	12	12	12
14	12	12	12	12
15	12	12	12	12
16	12	12	12	12
17	12	12	12	12
18	12	12	12	12
19	12	12	12	12
20	12	12	12	12
21	12	12	12	12
22	12	12	12	12
23	12	12	12	12
24	12	12	12	12

- G. To perform a restatement select the appropriate product from the pull down menu identified under [Enter Data], use the pull down menu to select the [Begin (hour ending)] and [End (hour ending)] and then enter the value (MW). Select [Fill].

Submission Information | Energy Submission | **Ancillary Service** | DDS Submission | Maintenance | Constraints | Outage Scheduling | Offer Control Maintenance

Start | Result | **Data Entry**

Enter Ancillary Service Data for **XYZ LTD.** to restate **XYZ1** Source, for Sep 10, 2012

Note: Values listed show the maximum approved capacity values for each type of ancillary service available to the System Controller in each hour. These are not the actual contracted values for each hour.

**5. Enter Data**

**Submission Helper**

Column: TMR ▾

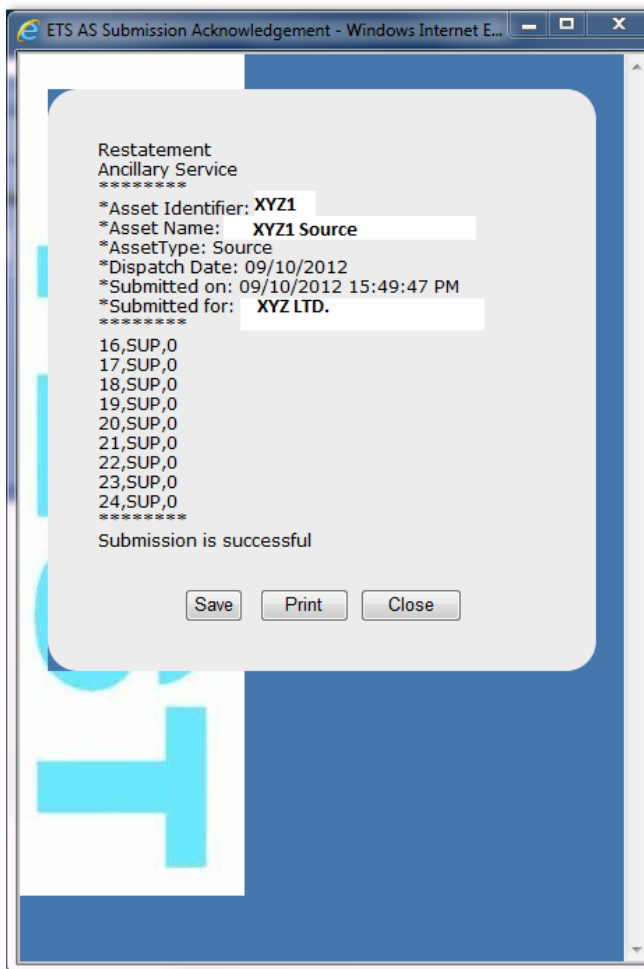
Begin (hour ending): 16 ▾

End (hour ending): 24 ▾

Value(MW):

Hour End	SUP		TMR	
	Max MW	Current MW	Max MW	Current MW
01	12	12	12	12
02	12	12	12	12
03	12	12	12	12
04	12	12	12	12
05	12	12	12	12
06	12	12	12	12
07	12	12	12	12
08	12	12	12	12
09	12	12	12	12
10	12	12	12	12
11	12	12	12	12
12	12	12	12	12
13	12	12	12	12
14	12	12	12	12
15	12	12	12	12
16	12	0	12	12
17	12	0	12	12
18	12	0	12	12
19	12	0	12	12
20	12	0	12	12
21	12	0	12	12
22	12	0	12	12
23	12	0	12	12
24	12	0	12	12

H. Select [Submit].



**Note:** Error messages are generated if data is not correct upon submission of the values and the submission will not be accepted.

- I. [Save] or [Print] the acknowledgement.

## Ancillary Services Substitutions



### Steps

## 2. Create an Ancillary Service Substitution

- A. Click on the [Ancillary Service] tab.

The screenshot shows the Aeso web application interface. At the top, there is a header with 'ETS Reports' on the left and 'Version: integ 8\_0\_0\_1' on the right. Below the header is a navigation bar with several tabs: 'Submission Information', 'Energy Submission', 'Ancillary Service' (which is highlighted), 'DDS Submission', 'Maintenance', 'Constraints', 'Outage Scheduling', and 'Offer Control Maintenance'. On the left side, there is a vertical navigation menu with items like 'Batch', 'Bill', 'NSI', 'Customer', 'Offer Control Registry', 'File Upload', 'Messaging', 'Meter Volumes', 'Mp2Asset', 'Power System', 'Settlement', and 'Submission'. The main content area is titled 'Start' and contains the following steps:

1. Select Submission Action:  
Substitution
2. Select Dispatch Date:  
09/10/2012
3. Choose Asset Type:  
 Sink  Source
4. Choose Service Type:  
SUP

At the bottom of the main content area, there is a 'Next' button.



- B. From the [Select Submission Action] list box, choose the Substitution option.
- C. From the [Select Dispatch Date] list box, choose the current day (it will be the only date available).
- D. Under [Choose Asset Type], click on the [Sink] or [Source] radio button. In this example Source is being used.
- E. Under [Choose Service Type] select [SUP]. Click [Next].
- F. From the [Select Original Asset (to substitute out of)]: list box, choose the desired pool asset.

The screenshot shows a web application interface with several tabs: Submission Information, Energy Submission, Ancillary Service (selected), DDS Submission, Maintenance, Constraints, Outage Scheduling, and Offer Control Maintenance. Below the tabs are 'Start' and 'Result' buttons. The main content area is titled '5. Select Original Asset (to substitute out of):' and contains a table with two columns: Identifier and Name.

Identifier	Name
XYZ1	XYZ1 Source
ABC1	ABC1 Source

G. From the [Select Target Asset (the substitute)] list box select the desired pool asset.

Submission Information		Energy Submission		Ancillary Service		DDS Submission		Maintenance		Constraints		Outage Scheduling		Offer Control Maintenance									
Start		Result																					
5. Select Original Asset (to substitute out of)								XYZ1								6. Select Target Asset (the substitute):							
Identifier				Name				Identifier				Name											
XYZ1				XYZ1 Source				ABC1				ABC1 Source											
ABC1				ABC1 Source																			

H. After selecting the desired target pool asset the following screen will appear:

Submission Information | Energy Submission | **Ancillary Service** | DDS Submission | Maintenance | Constraints | Outage Scheduling | Offer Control Maintenance

Start | Result | **Data Entry**

Enter Ancillary Service Data for **XYZ Ltd.**, to substitute **XYZ1** Source, SUP, for Sep 10, 2012, with **ABC1**

**7. Enter Data**

**Submission Helper**

Begin (hour ending): 17 ▾

End (hour ending): 24 ▾

Active (MW):

Standby (MW):

Hour End	XYZ1		ABC1		Total
	Active	Standby	Active	Standby	
01	72	0			72
02	72	0			72
03	72	0			72
04	72	0			72
05	72	0			72
06	72	0			72
07	72	0			72
08	72	0			72
09	72	0			72
10	72	0			72
11	72	0			72
12	72	0			72
13	72	0			72
14	72	0			72
15	72	0			72
16	72	0			72
17	72	0			72
18	72	0			72
19	72	0			72
20	72	0			72
21	72	0			72
22	72	0			72
23	72	0			72
24	72	0			72

I. Enter the value in the [Active (MW)] field to be substituted from the original pool asset to the target pool asset. Select [Fill].

Submission Information | Energy Submission | **Ancillary Service** | DDS Submission | Maintenance | Constraints | Outage Scheduling | Offer Control Maintenance

Start | Result | **Data Entry**

Enter Ancillary Service Data for **XYZ Ltd.** to substitute **XYZ1** Source, SUP, for Sep 10,2012, with **ABC1**

**7. Enter Data**

**Submission Helper**

Begin (hour ending): 18 ▾

End (hour ending): 24 ▾

Active (MW): 72

Standby (MW):

Fill

Hour End	XYZ1		ABC1		Total
	Active	Standby	Active	Standby	
01	72	0			72
02	72	0			72
03	72	0			72
04	72	0			72
05	72	0			72
06	72	0			72
07	72	0			72
08	72	0			72
09	72	0			72
10	72	0			72
11	72	0			72
12	72	0			72
13	72	0			72
14	72	0			72
15	72	0			72
16	72	0			72
17	72	0			72
18	0	0	72	0	72
19	0	0	72	0	72
20	0	0	72	0	72
21	0	0	72	0	72
22	0	0	72	0	72
23	0	0	72	0	72
24	0	0	72	0	72

J. Select [Submit].

K. [Save] or [Print] the acknowledgement.

## Operating Reserves<sup>2</sup> Historical Offer Control



### Steps

#### 1. Create Operating Reserve Historical Offer Control

A. Click on the [Ancillary Service] tab.

B. From the [Select Submission Action] list box, choose the Historical Offer Control option.

C. From the [Select Dispatch Date] list box, choose a date up to 30 days previous.

D. Under [Choose Asset Type], click on the [Sink] or [Source] radio button. In this example Source is being used. Click [Next].

**Note:** All operating reserves contracts that have been cleared (RR/SR/SUPG/SUPL – active and standby) must contain historical offer control information.

<sup>2</sup> Refers to Supplemental Generation (SUPG), Spinning Reserves (SR), Regulating Reserves (RR) and Supplemental Load (SUPL)

**5. Enter Offer Control by type**

Begin (hour ending): 01 ▾

End (hour ending): 24 ▾

Commodity: All ▾

Product: All ▾

Trade Id: All ▾

**Offer Control Parties linked to this Asset:**

Select	ID	Legal Name
<input type="checkbox"/>	BALP	Balancing Pool
<input type="checkbox"/>	BEML	Brookfield Energy Marketing LP
<input type="checkbox"/>	GPI	Grande Prairie Generation Inc.

**Sort By:**

HE, Commodity, Product, Trade ID  
 Trade ID, HE

HE	Commodity	Product	Trade Id	Price	Premium Price	Activation Price	Volume	Offer Contr
				\$/MW	\$/MW	\$/MW	MW	
01	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	
02	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	
03	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	
04	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	
05	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	
06	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	
07	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	
08	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
09	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
10	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
11	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
12	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
13	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
14	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
15	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
16	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
17	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
18	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
19	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
20	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
21	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
22	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
23	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	
24	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	

- E. Under [Enter Offer Control by type] enter [Begin (hour ending)], [End (hour ending)], [Commodity], [Product], [Trade Id]. In the example below Standby has been chosen as the Commodity and RR chosen as the product.
- F. Under [Offer Control Parties linked to this Asset] select the relevant offer control party or parties. Select [Fill Offer Control]. In this example BALP has been selected as the offer control party.

**Note:** All columns which are greyed out and are unavailable for changes. The only column that can be updated is the offer control column.

**Note:** Historical Offer Control does not contain MSG, Reason or AC columns.

**5. Enter Offer Control by type**

Begin (hour ending):

End (hour ending):

Commodity:

Product:

Trade Id:

**Offer Control Parties linked to this Asset:**

Select	ID	Legal Name
<input checked="" type="checkbox"/>	BALP	Balancing Pool
<input type="checkbox"/>	BEML	Brookfield Energy Marketing LP
<input type="checkbox"/>	GPI	Grande Prairie Generation Inc.

**Sort By:**

HE, Commodity, Product, Trade ID

Trade ID, HE

HE	Commodity	Product	Trade Id	Price \$/MW	Premium Price \$/MW	Activation Price \$/MW	Volume MW	Offer Contr
01	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP
02	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP
03	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP
04	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP
05	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP
06	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP
07	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP
08	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
09	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
10	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
11	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
12	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
13	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
14	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
15	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
16	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
17	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
18	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
19	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
20	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
21	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
22	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
23	STANDBY	RR	1111-222-33333333-1	0.0	111.0	222.0	999	BALP
24	STANDBY	RR	1111-222-33333333-0	0.0	111.0	222.0	999	BALP

G. Select [Submit].

H. [Save] or [Print] the acknowledgement.



## Troubleshooting

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### ***Why can't I enter my historical offer control information today for my operating reserves?***

Historical offer control information for operating reserves cannot be submitted for the same day. This information can be entered no earlier than the following day.

### ***How many days do I have to enter my historical offer control information?***

Up to 30 days from the dispatch date.



# Operating Reserves Default Offer Control



## Steps

### 1. Create Operating Reserves Default Offer Control

A. Click on the [Ancillary Service] tab.

B. From the [Select Submission Action] list box, choose the Default Offer Control option.

C. From the [Select Dispatch Date] choose the current date.

D. Under [Choose Asset Type], click on [Sink] or [Source] radio button. In this example a Source asset is being used. Click [Next].

E. From the [Select Asset] list box, choose the desired asset.

Product	Offer Control
RR	
SR	
SUP	

Select	ID	Legal Name
<input type="checkbox"/>	BOWA	BowArk Energy Ltd.
<input type="checkbox"/>	BPEG	BP Canada Energy Group ULC

F. Under [Enter Default Offer Control by type], choose the applicable product.

G. Select default offer control parties from [Offer Control Parties linked to this Asset].

5. Enter Default Offer Control by type:

Product:

Product	Offer Control
RR	
SR	
SUP	

Offer Control Parties linked to this Asset:

Select	ID	Legal Name
<input checked="" type="checkbox"/>	BOWA	BowArk Energy Ltd.
<input checked="" type="checkbox"/>	BPEG	BP Canada Energy Group ULC

H. Select [Fill Offer Control].

5. Enter Default Offer Control by type:

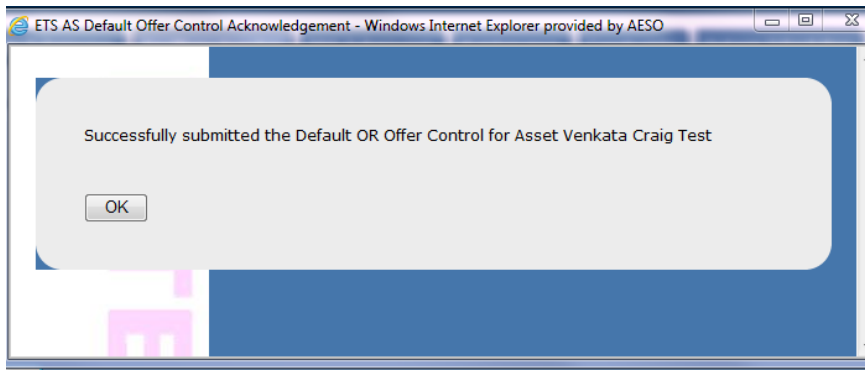
Product:

Product	Offer Control
RR	BOWA; BPEG
SR	BOWA; BPEG
SUP	BOWA; BPEG

Offer Control Parties linked to this Asset:

Select	ID	Legal Name
<input type="checkbox"/>	BOWA	BowArk Energy Ltd.
<input type="checkbox"/>	BPEG	BP Canada Energy Group ULC

I. Select [Submit].



J. [Save] or [Print] the acknowledgement.

**Note:** Restatements are not affected by default offer control.

**Note:** Asset substitutions to a different asset will use the default offer control selected.

**Note:** Creating a default offer control has the same effect as creating a standing submission for energy offers.

## Questions



### Contact Information

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For additional clarification or further questions, please call the AESO FirstCall at 1-888-588-AESO (2376), or email [info@aeso.ca](mailto:info@aeso.ca).