



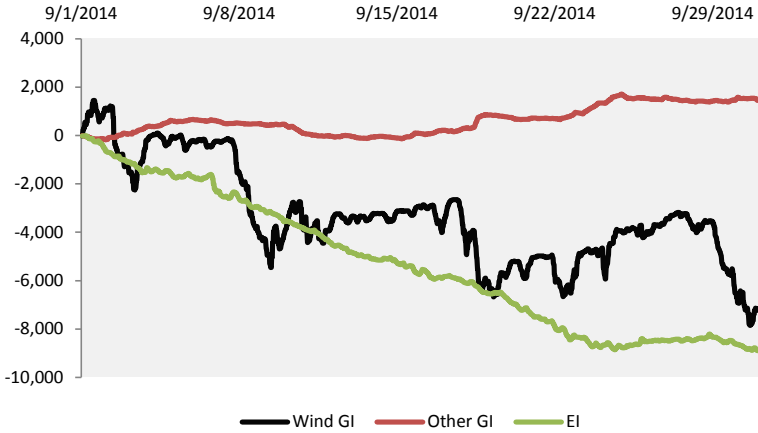
# BPA Imbalance Activity Report

## September 2014

### Generation Imbalance

MWh of accumulated imbalance

		MWh	\$ K
Wind	neg	-78,279	(\$2,533)
Wind	pos	71,097	\$2,273
<b>Wind Total</b>		<b>-7,182</b>	<b>(\$260)</b>
Other	neg	-9,911	(\$329)
Other	pos	11,364	\$387
<b>Other Total</b>		<b>1,453</b>	<b>\$58</b>
<b>Grand Total</b>		<b>-5,729</b>	<b>(\$202)</b>



### Energy Imbalance

		MWh	\$ K
Load	neg	-22,216	(\$755)
Load	pos	13,276	\$449
<b>Load Total</b>		<b>-8,939</b>	<b>(\$306)</b>
<b>Grand Total</b>		<b>-8,939</b>	<b>(\$306)</b>

### Persistent Deviation

		3-hr	6-hr	12-hr	24-hr	total	hours	MWh*	\$ K
neg	Wind	5				5	35	-2,561	(\$73)
neg	Other			1		1	12	-117	(\$5)
neg	Load				10	10	255	-1,327	(\$48)
<b>neg Total</b>		<b>5</b>		<b>1</b>	<b>10</b>	<b>16</b>	<b>302</b>	<b>-4,005</b>	<b>(\$126)</b>
pos	Wind	9	1		1	11	65	2,322	\$66
pos	Other	2		1	2	5	87	644	\$19
pos	Load				1	1	24	206	\$7
<b>pos Total</b>		<b>11</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>17</b>	<b>176</b>	<b>3,172</b>	<b>\$92</b>
<b>Grand Total</b>		<b>16</b>	<b>1</b>	<b>2</b>	<b>14</b>	<b>33</b>	<b>478</b>	<b>-833</b>	<b>(\$34)</b>

\*exempt hours are excluded  
actual billing may differ

### Persistent Deviation

Values	2014 Jan	2014 Feb	2014 Mar	2014 Apr	2014 May	2014 Jun	2014 Jul	2014 Aug	2014 Sep
Events	14	27	29	45	24	43	32	33	33
neg MWh	-1,214	-1,593	-2,650	-3,548	-2,240	-3,341	-2,425	-3,883	-4,005
pos MWh	1,107	2,761	2,177	3,900	1,893	3,796	2,537	2,985	3,172

#### Waiver Requests

total

neg MWh

pos MWh

granted waivers (full)

neg MWh

pos MWh

granted waivers (partial)

# BPA Imbalance Activity Report

## reference guide

### Generation Imbalance

Imbalance = Estimated Generation - Actual Generation

neg MWh Estimated Generation < Actual Generation, negative value

pos MWh Estimated Generation > Actual Generation, positive value

### Energy Imbalance

Imbalance = Actual Load - Scheduled Load

neg MWh Actual Load < Scheduled Load, negative value

pos MWh Actual Load > Scheduled Load, positive value

### Persistent Deviation

Definition

section 1 & 2

All hours or schedule periods in which either a negative or positive deviation exceeds both 15 % of schedule and 20 MW for three consecutive hours or more or both 7.5 % of schedule and 10 MW for six consecutive hours or more or both 1.5 % of schedule and 5 MW for twelve consecutive hours or more or both 1.5 % of schedule and 2 MW for twenty-four consecutive hours or more in the same directions.

section 3

A pattern of either positive or negative deviation that occurs generally or at specific times of day.

Penalty

Negative No credit is given for negative deviation.

Positive

For positive deviation, the charge is the greater of 125% of BPA's highest incremental cost that occurs during that day or 100 mills per kilowatt-hour.

*\*charge estimate excludes test projects*

New projects in test mode (up to 90 days) are exempt from the Persistent Deviation Penalty charge. However, Persistent Deviation events are still tracked.

*\*\*charge estimate does not include GI*

The Persistent Deviation section of this report shows the penalty component of the charge, i.e. \$100/MWh less GI rate

EI and GI

neg

the sum of the negative imbalance from all customer, by category

pos

the sum of the positive imbalance from all customer, by category