



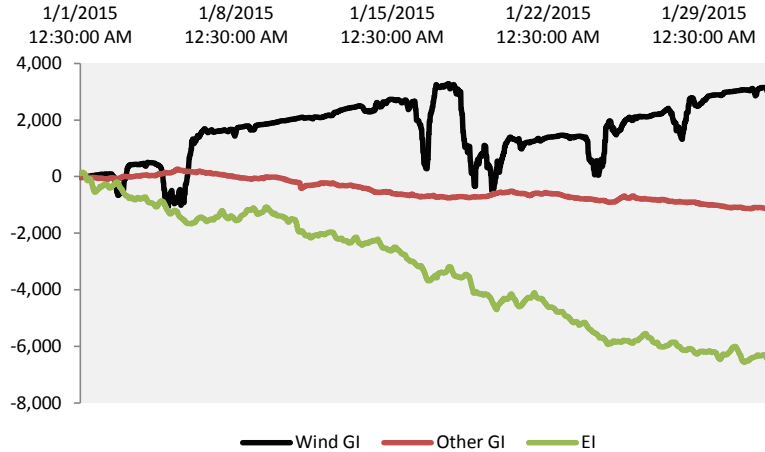
# BPA Imbalance Activity Report

## January 2015

### Generation Imbalance

		MWh	\$ K
Wind	neg	-43,315	(\$854)
Wind	pos	46,459	\$902
<b>Wind Total</b>		<b>3,144</b>	<b>\$48</b>
Other	neg	-8,265	(\$186)
Other	pos	7,109	\$166
<b>Other Total</b>		<b>-1,156</b>	<b>(\$20)</b>
<b>Grand Total</b>		<b>1,988</b>	<b>\$28</b>

MWh of accumulated imbalance



### Energy Imbalance

		MWh	\$ K
Load	neg	-22,393	(\$512)
Load	pos	16,201	\$375
<b>Load Total</b>		<b>-6,192</b>	<b>(\$137)</b>
<b>Grand Total</b>		<b>-6,192</b>	<b>(\$137)</b>

### Persistent Deviation

		3-hr	6-hr	12-hr	24-hr	total	hours	MWh*	\$ K
neg	Wind	1				1	15	-508	(\$10)
neg	Other	1				1	3	-77	(\$1)
neg	Load								
<b>neg Total</b>		<b>2</b>				<b>2</b>	<b>18</b>	<b>-585</b>	<b>(\$12)</b>
pos	Wind	8				8	22	975	\$18
pos	Other		2			2	19	309	\$5
pos	Load								
<b>pos Total</b>		<b>8</b>	<b>2</b>			<b>10</b>	<b>41</b>	<b>1,284</b>	<b>\$23</b>
<b>Grand Total</b>		<b>10</b>	<b>2</b>			<b>12</b>	<b>59</b>	<b>699</b>	<b>\$12</b>

\*exempt hours are excluded  
actual billing may differ

### Persistent Deviation

Values	2015 Jan
Events	12
neg MWh	-585
pos MWh	1,284

# 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.
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section 3	A pattern of either positive or negative deviation that occurs generally or at specific times of day.
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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

El 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