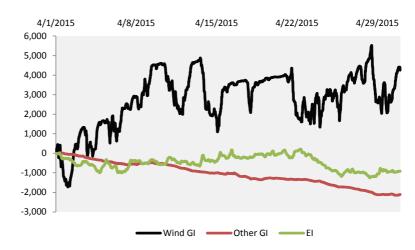


## **BPA Imbalance Activity Report**April 2015

#### **Generation Imbalance**

#### MWh of accumulated imbalance

		MWh	\$ K
Wind	neg	-87,739	(\$1,563)
Wind	pos	91,994	\$1,621
Wind To	tal	4,255	\$58
Other	neg	-6,838	(\$138)
Other	pos	4,735	\$96
Other To	otal	-2,103	(\$42)
Grand To	otal	2,152	\$17



#### **Energy Imbalance**

		MWh	\$ K
Load	neg	-18,475	(\$374)
Load	pos	18,189	\$370
Load To	tal	-286	(\$3)
<b>Grand T</b>	otal	-286	(\$3)

#### **Persistent Deviation**

		3-hr	6-hr	12-hr	24-hr	total	hours	MWh*	\$ K
neg	Wind	3				3	16	-758	(\$11)
neg	Other								
neg	Load								
neg Tota	ıl	3				3	16	-758	(\$11)
pos	Wind	8	2			10	39	1,947	\$35
pos	Other								
pos	Load		1	3	2	6	115	1,352	\$26
pos Tota	ı	8	3	3	2	16	154	3,299	\$61
Grand To	otal	11	3	3	2	19	170	2,541	\$51

\*exempt hours are excluded actual billing may differ

#### **Persistent Deviation**

	2015	2015	201	L <b>5</b>	2015
Values	Jan	Feb	Ma	r	Apr
Events	12	2	:3	11	19
neg MWh	-585	-2,6	47	-726	-758
pos MWh	1,342	1,76	8	1,525	3,299

# **BPA Imbalance Activity Report** reference guide

### **Generation Imbalance**

deneration imparance	
Imbalance = Estimated Generation - Actual	Generation
neg MWh	Estimated Generation < Actual Generation, negative value
pos MWh	Estimated Generation > Actual Generation, positive value
<b>Energy Imbalance</b>	
Imbalance = Actual Load - Scheduled Load	
neg MWh	Actual Load < Scheduled Load, negative value
pos MWh	Actual Load > Scheduled Load, positive value
<b>Persistent Deviation</b>	
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	-Free are great and
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