



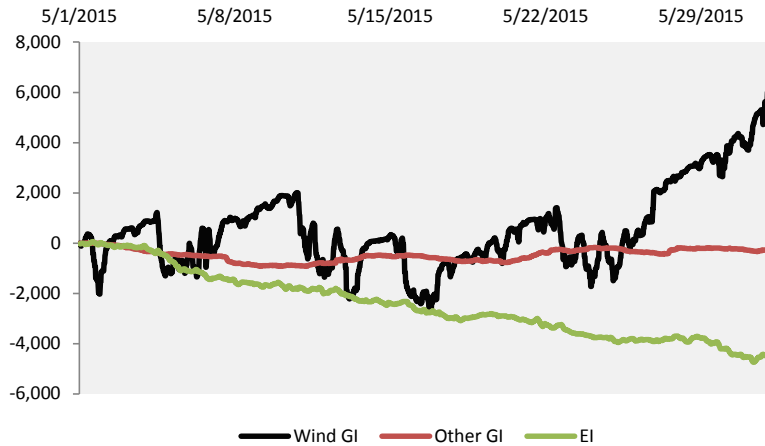
BPA Imbalance Activity Report

May 2015

Generation Imbalance

MWh of accumulated imbalance

		MWh	\$ K
Wind	neg	-87,999	(\$1,960)
Wind	pos	94,003	\$2,059
Wind Total		6,004	\$99
Other	neg	-7,273	(\$177)
Other	pos	6,993	\$169
Other Total		-280	(\$8)
Grand Total		5,724	\$91



Energy Imbalance

		MWh	\$ K
Load	neg	-17,714	(\$411)
Load	pos	13,762	\$329
Load Total		-3,952	(\$82)
Grand Total		-3,952	(\$82)

Persistent Deviation

		3-hr	6-hr	12-hr	24-hr	total	hours	MWh*	\$ K
neg	Wind	4				4	38	-2,928	(\$60)
neg	Other			1		1	12	-98	(\$2)
neg	Load								
neg Total		4		1		5	50	-3,026	(\$62)
pos	Wind	11				11	35	1,460	\$34
pos	Other	1				1	3	98	\$2
pos	Load								
pos Total		12				12	38	1,558	\$36
Grand Total		16		1		17	88	-1,468	(\$25)

*exempt hours are excluded
actual billing may differ

Persistent Deviation

Values	2015 Jan	2015 Feb	2015 Mar	2015 Apr	2015 May
Events	12	23	11	17	17
neg MWh	-585	-2,647	-726	-758	-3,026
pos MWh	1,342	1,768	1,525	2,829	1,558

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

Positive

No credit is given for negative deviation.

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

pos

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

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