



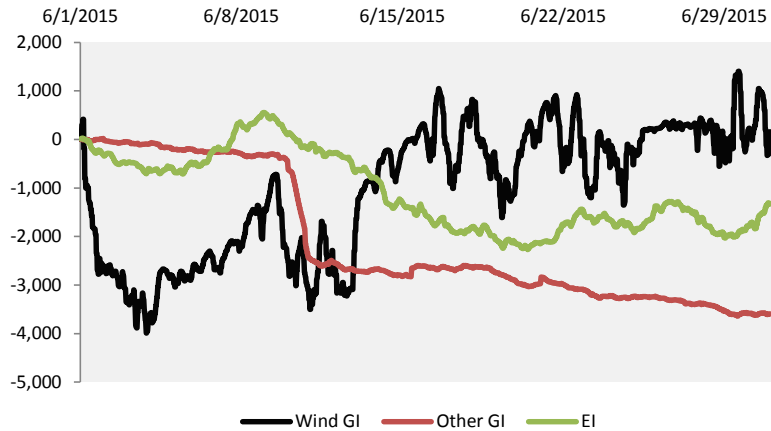
BPA Imbalance Activity Report

June 2015

Generation Imbalance

		MWh	\$ K
Wind	neg	-90,279	(\$2,723)
Wind	pos	90,434	\$2,535
Wind Total		155	(\$188)
Other	neg	-11,091	(\$323)
Other	pos	7,497	\$241
Other Total		-3,594	(\$81)
Grand Total		-3,439	(\$269)

MWh of accumulated imbalance



Energy Imbalance

		MWh	\$ K
Load	neg	-17,283	(\$502)
Load	pos	16,256	\$533
Load Total		-1,027	\$31
Grand Total		-1,027	\$31

Persistent Deviation

		3-hr	6-hr	12-hr	24-hr	total	hours	MWh*	\$ K
neg	Wind	4				4	20	-1,628	(\$47)
neg	Other			1		1	16	-1,373	(\$34)
neg	Load				1	1	38	-272	(\$6)
neg Total		4		1	1	6	74	-3,274	(\$88)
pos	Wind	10	2			12	35	1,059	\$25
pos	Other								
pos	Load	1				1	3	76	\$4
pos Total		11	2			13	38	1,134	\$29
Grand Total		15	2	1	1	19	112	-2,139	(\$59)

*exempt hours are excluded
actual billing may differ

Persistent Deviation

Values	2015 Jan	2015 Feb	2015 Mar	2015 Apr	2015 May	2015 Jun
Events	12	23	11	17	17	19
neg MWh	-585	-2,647	-726	-758	-3,026	-3,274
pos MWh	1,342	1,768	1,525	2,829	1,558	1,134

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