



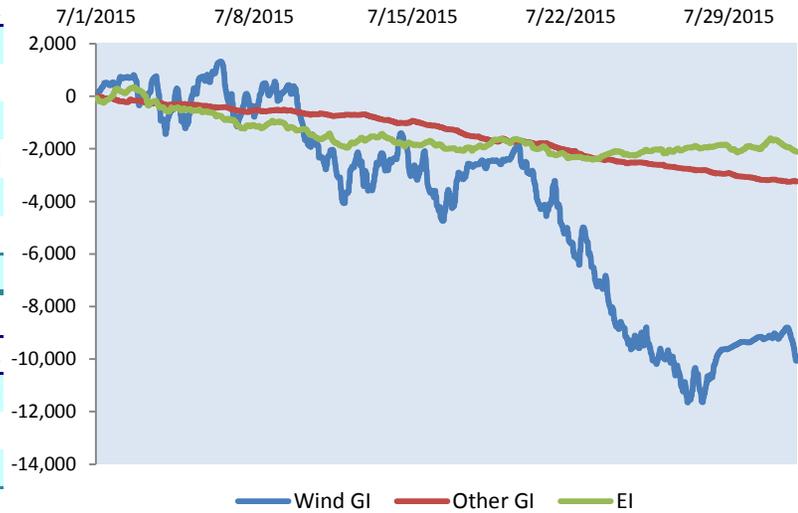
BPA Imbalance Activity Report

July 2015

Generation Imbalance

		MWh	\$ K
Wind	neg	-106,807	(\$2,520)
Wind	pos	96,734	\$2,212
Wind Total		-10,073	(\$309)
Other	neg	-11,226	(\$277)
Other	pos	7,983	\$208
Other Total		-3,243	(\$69)
Grand Total		-13,316	(\$378)

MWh of accumulated imbalance



Energy Imbalance

		MWh	\$ K
Load	neg	-17,838	(\$448)
Load	pos	16,975	\$436
Load Total		-863	(\$12)
Grand Total		-863	(\$12)

Persistent Deviation

		3-hr	6-hr	12-hr	24-hr	total	hours	MWh*	\$ K
neg	Wind	4	1			5	33	-1,844	(\$40)
neg	Other				1	1	32	-110	(\$2)
neg	Load			2	1	3	55	-542	(\$12)
neg Total		4	1	2	2	9	120	-2,496	(\$55)
pos	Wind	7				7	35	1,613	\$35
pos	Other	1				1	3	102	\$3
pos	Load			1	2	3	67	707	\$20
pos Total		8		1	2	11	105	2,422	\$58
Grand Total		12	1	3	4	20	225	-74	\$3

*exempt hours are excluded
actual billing may differ

Persistent Deviation

Values	2015 Jan	2015 Feb	2015 Mar	2015 Apr	2015 May	2015 Jun	2015 Jul
Events	12	23	11	17	17	16	20
neg MWh	-585	-2,647	-726	-758	-3,026	-2,253	-2,496
pos MWh	1,342	1,768	1,525	2,829	1,558	1,098	2,422

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

***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