



## Persistent Deviation events and waivers

	2010 may	2010 jun	2010 jul	2010 aug	2010 sep	2010 oct	2010 nov	2010 dec	2011 jan	2011 feb	2011 mar	2011 apr
<b>events</b>												
total	38	37	30	26	11	8	12	6	10	14	14	12
MWh negative	-7406	-5102	-4401	-3395	-1495	-765	-1085	-623	-884	-904	-1623	-1735
MWh positive	5118	5181	4078	3251	1313	2768	1874	723	818	2620	1822	652
<b>waiver requests</b>												
total		1	1									1
MWh negative			-582									
MWh positive		191										237
<b>granted waivers (full)</b>												
total												1
MWh negative												
MWh positive												237
<b>granted waivers (partial)</b>												
total												
MWh negative												
MWh positive												

## BPA Imbalance Activity Report reference guide

### Generation Imbalance

Imbalance = Estimated Generation - Actual Generation

over generation	Estimated Generation < Actual Generation, negative value
under generation	Estimated Generation > Actual Generation, positive value

### Energy Imbalance

Imbalance = Actual Load - Scheduled Load

over scheduling	Actual Load < Scheduled Load, negative value
under scheduling	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 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