



## Persistent Deviation events and waivers, FY10

	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	aug	sep
<b>events</b>												
total	28	57	55	30	19	76	44	38	37	30	26	11
MWh negative	-4493	-9807	-6734	-3597	-1819	-14287	-5389	-7406	-5102	-4401	-3395	-1495
MWh positive	2101	2039	7570	4877	2665	9101	7062	5118	5181	4078	3251	1313
<b>waiver requests</b>												
total	25	54	22	4	4	29	2		1	1		
MWh negative	-4305	-9641	-4284	-719	-133	-3,795				-582		
MWh positive	1347	2039	807	120	636	1,888	503		191			
<b>granted waivers (full)</b>												
total	3	3	3									
MWh negative	-273	-353	-272									
MWh positive	240	182	169									
<b>granted waivers (partial)</b>												
total	10	12	15		1	1						
MWh negative	-370	-607	-857									
MWh positive	103	122	231		55	77						

## 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

- part a & b                              Either positive or negative deviation that are 20 MW and 15% of schedule persisting for four or more hours
- part c                                    A pattern of either positive or negative deviation that occurs generally or at specific times of day.

#### Penalty

- Negative                                Generation greater than schedule. Generator forfeits GI payment
- Positive                                  Generation is less than schedule. Generator pays 125% of market or \$100/MWh for GI instead of 110% of market.

*\*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 110% of market.