



BPA Imbalance Activity Report

January 2011

Generation Imbalance

	MWh	\$ thousand
wind		
over generation	(37,865)	\$ (862)
under generation	34,074	\$ 812
other		
over generation	(3,908)	\$ (101)
under generation	2,792	\$ 77
total		
over generation	(41,773)	\$ (963)
under generation	36,866	\$ 889
total:	(4,907)	\$ (74)

Energy Imbalance

	MWh	\$ thousand
total		
over scheduling	(8,741)	\$ (198)
under scheduling	7,866	\$ 244
total:	(875)	\$ 46

Persistent Deviation

actual billing may differ

part a & b	events	MWh	\$ thousand*
Negative (generation greater than schedule)			
wind	6	(884)	\$ (21)
other			
total	6	(884)	\$ (21)
Positive (generation less than schedule)**			
wind	4	818	\$ 85
other			\$ 39
total	4	818	\$ 124

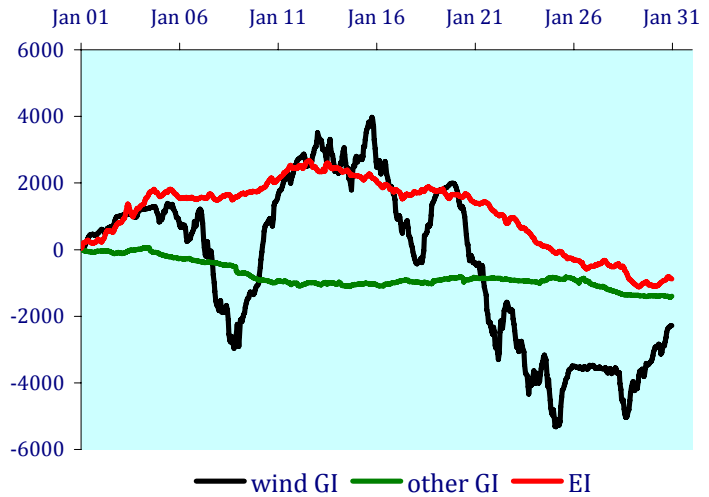
*charge estimate excludes test projects

**charge estimate does not include GI

Persistent Deviation events and waivers, FY11

	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	aug	sep
events												
total	8	12	6	10								
MWh negative	-765	-1085	-623	-884								
MWh positive	2768	1874	723	818								
waiver requests												
total												
MWh negative												
MWh positive												
granted waivers (full)												
total												
MWh negative												
MWh positive												
granted waivers (partial)												
total												
MWh negative												
MWh positive												

MWh of accumulated imbalance



part c	events	MWh	Charge*
Negative (generation greater than schedule)			
wind	-	-	-
other	-	-	-
total	-	-	-
Positive (generation less than schedule)**			
wind	-	-	-
other	-	-	-
total	-	-	-

Persistent Deviation events and waivers, FY10

	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	aug	sep
events												
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
waiver requests												
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			
granted waivers (full)												
total	3	3	3									
MWh negative	-273	-353	-272									
MWh positive	240	182	169									
granted waivers (partial)												
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.