



BPA Imbalance Activity Report

January 2010

Generation Imbalance

	MWh	\$ thousand
wind		
over generation	(30,077)	\$ (1,208)
under generation	27,405	\$ 1,332
other		
over generation	(7,496)	\$ (299)
under generation	9,112	\$ 450
total		
over generation	(37,573)	\$ (1,506)
under generation	36,517	\$ 1,782
total:	(1,056)	\$ 275

Energy Imbalance

	MWh	\$ thousand
total		
over scheduling	(22,892)	\$ (914)
under scheduling	15,230	\$ 753
total:	(7,662)	\$ (161)

Persistent Deviation

actual billing may differ

part a & b	events	MWh	\$ thousand*
Negative (generation greater than schedule)			
wind	16	(3,597)	\$ 145
other	-	-	-
total	16	(3,597)	\$ 145
Positive (generation less than schedule)**			
wind	14	4,877	\$ 245
other	-	-	-
total	14	4,877	\$ 245

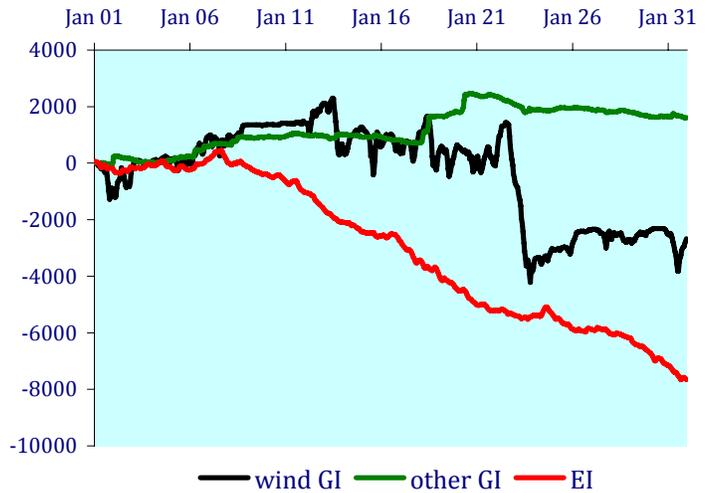
*charge estimate excludes test projects

**charge estimate does not include GI

Persistent Deviation events and waivers, FY10

	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	aug	sep
events												
total	26	57	55	30								
MWh negative	-4493	-9807	-3753	-3597								
MWh positive	2101	2039	7570	4877								
waiver requests												
total	17	44	20	1								
MWh negative	-3692	-7786	-4163									
MWh positive	502	1857	391									
granted waivers (full)												
total	3	2	3									
MWh negative	-273	-115	-272									
MWh positive	240	182	169									
granted waivers (partial)												
total	3	5	13									
MWh negative	-164	-170	-764									
MWh positive	79	52	186									

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	-	-	-

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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.