Operations

Wind Forecast Accuracy Statistics

November 2012

▼ Forecast Data Available Day Ahead ▼						
	Installed Wind	Forecast Error (MW)		Normalised Mean Absoulte Error (NMAE)		
TSO	Capacity (MW)	Max Generated > Forecast	Max Generated < Forecast	Max	Min	Average
EirGrid	1637	985	-1082	66.1%	0.0%	13.3%
SONI	451	217	-210	48.0%	0.0%	11.0%

All-Island 2088 ▼ All-Island Wind Generation in Day Ahead Forecast▼ -All-Island Wind Generation Wind Forecast 2000 Wind Generation / MW 1600 1400 1200 1000 800 400 200 01/1/2012 121,150,15 771712012 191712012

▼ NMAE Available Day Ahead ▼ -Normalised Mean Absoulte Error 35% 30% Percentage Error 25% 20% 15% 10% 5% 0% 01/1/2. 191712. 21/1/2. 23/1/12. 21/1/2. 13/1/2. 15/1/2. 71/1/2.

Notes

Forecast data does not take into account windfarm outages
 Installed wind includes all windfarms connected at both Transmission and Distribution levels in Ireland and Northern Ireland

*Forecast does not allow for potential dispatching down of windfarms.

Statistical definations

*Normalised Mean Absolute Error (NMAE) - The absolute difference between the forecasted wind output and the actual output divided by the sum of all the windfarm capacity. This puts the error in context of the total capacity so the error can be consistently compared.



