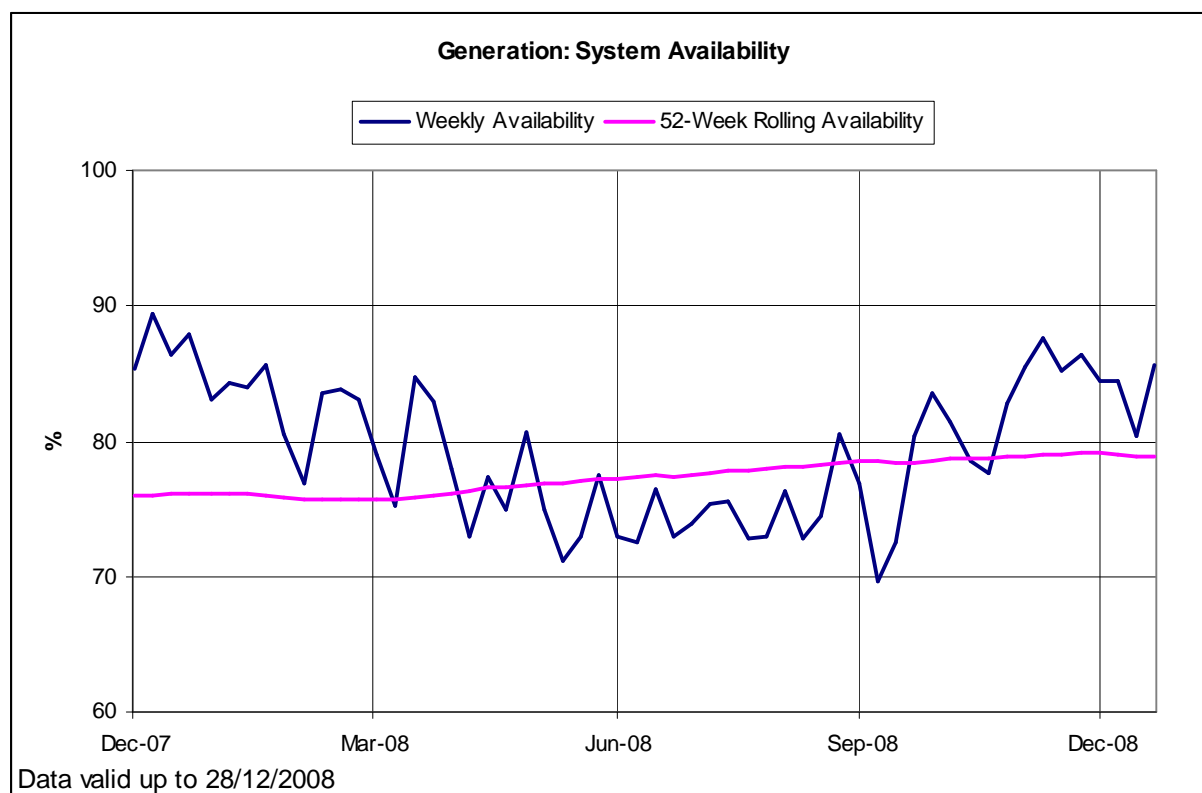


# EirGrid Monthly Availability Report – December 2008

This report, for December 2008, details the availability performance of the centrally-dispatched generation units on the power system and includes an outlook for plant availability over the period from January to March 2009.

## Key Points:

- The forced outage rate increased from 11.3% in November to 15.3% in December. This is equivalent to a forced outage rate of 10.7% when the long-term outages at Poolbeg Unit 3 and Turlough Hill Unit 1 are excluded.
- The monthly system availability for December was 83.7%. As expected there were very few scheduled outages during December (just 0.3% System wide). The main forced outages, in addition to the long-term outages at Turlough Hill Unit 1 and Poolbeg Unit 3, were the outages of Aghada Unit 1, Moneypoint Unit 2 and Tarbert Units 3 and 4.
- The rolling 52-week availability remains largely unchanged at 78.9%.



## Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 Sunday 30<sup>th</sup> November to 00:00 Sunday 28<sup>th</sup> December that generators were available.

**Forced:** outages where generators are unavailable due to unforeseen/unplanned outages.

**Scheduled:** outages where generators are unavailable due to planned reasons, e.g., for maintenance.

**Ambient (seasonal derating):** difference between the **Maximum Capacity** of a generator and the **Dependable Capacity** over a specified period of time.

**Maximum Capacity:** the maximum capacity that a unit can sustain over a specified period of time.

**Dependable Capacity:** the capacity of a unit, when modified for ambient conditions over a specified period of time.

**52-week Rolling Availability:** the average of the unit's **Availability** over the most recent 52 weeks (i.e., past year)

## HOW TO CONTACT US

### General Queries

Tel: +353 1 23 70000

Email: [info@eirgrid.com](mailto:info@eirgrid.com)

### Power System Operation

Doireann Barry

Tel: +353 1 23 70196

Email: [doireann.barry@eirgrid.com](mailto:doireann.barry@eirgrid.com)

[www.eirgrid.com](http://www.eirgrid.com)

## Unit-by-Unit Average Monthly Availability - December 2008

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	96.4	3.3	0.0	0.2	91.0
	Seal Rock - SK4	80	99.8	0.0	0.0	0.2	95.0
Edenderry Power Ltd	Edenderry - ED1	118	94.1	0.6	5.4	0.0	83.8
ESB Power Generation	Ardnacrusha - AA1	21	99.6	0.0	0.4	--	94.6
	Ardnacrusha - AA2	22	100.0	0.0	0.0	--	98.7
	Ardnacrusha - AA3	19	97.0	3.0	0.0	--	97.7
	Ardnacrusha - AA4	24	99.3	0.1	0.6	--	91.7
	Aghada - AD1	257	72.0	28.0	0.0	0.0	41.6
	Aghada - AT1	90	100.0	0.0	0.0	0.0	92.9
	Aghada - AT2	90	99.4	0.6	0.0	0.0	54.0
	Aghada - AT4	90	100.0	0.0	0.0	0.0	94.7
	Erne - ER1	10	100.0	0.0	0.0	--	95.1
	Erne - ER2	10	100.0	0.0	0.0	--	94.5
	Erne - ER3	23	100.0	0.0	0.0	--	96.2
	Erne - ER4	23	100.0	0.0	0.0	--	93.9
	Great Island - GI1	54	68.0	32.0	0.0	--	72.8
	Great Island - GI2	54	90.7	9.3	0.0	--	70.9
	Great Island - GI3	109	80.5	19.5	0.0	--	74.0
	Lee - LE1	15	61.8	38.2	0.0	--	91.8
	Lee - LE2	4	100.0	0.0	0.0	--	95.7
	Lee - LE3	8	100.0	0.0	0.0	--	91.9
	Liffey - LI1	15	100.0	0.0	0.0	--	98.9
	Liffey - LI2	15	100.0	0.0	0.0	--	96.6
	Liffey - LI4	4	100.0	0.0	0.0	--	99.3
	Liffey - LI5	4	100.0	0.0	0.0	--	99.9
	Lough Ree Power - LR4	90	100.0	0.0	0.0	--	86.5
	Moneypoint - MP1	285	92.4	7.6	0.0	--	85.6
	Moneypoint - MP2	285	42.0	58.0	0.0	--	57.1
	Moneypoint - MP3	285	99.2	0.8	0.0	--	89.8
	Marina - MRC	123	92.3	6.0	0.0	1.7	78.6
	North Wall - NWC	154	89.6	9.4	1.1	0.0	69.6
	North Wall - NW5	109	94.9	5.1	0.0	0.0	66.7
	Poolbeg - PB1	115	99.9	0.1	0.0	--	87.5
	Poolbeg - PB2	115	75.7	24.3	0.0	--	48.0
	Poolbeg - PB3	242	0.0	100.0	0.0	--	0.0
	Poolbeg - PB4	154	99.5	0.2	0.0	0.4	90.1
	Poolbeg - PB5	150	98.6	0.0	0.0	1.4	91.4
	Poolbeg - PB6	173	91.2	8.2	0.0	0.6	87.1
	Rhode - RP1	52	100.0	0.0	0.0	--	97.9
Rhode - RP2	52	100.0	0.0	0.0	--	98.2	
Tarbert - TB1	54	100.0	0.0	0.0	--	95.5	
Tarbert - TB2	54	98.8	1.2	0.0	--	96.5	
Tarbert - TB3	243	52.9	47.1	0.0	--	89.2	
Tarbert - TB4	243	71.1	28.9	0.0	--	90.9	
Turlough Hill - TH1	73	0.0	100.0	0.0	--	0.0	
Turlough Hill - TH2	73	99.5	0.1	0.4	--	85.1	
Turlough Hill - TH3	73	99.6	0.2	0.2	--	92.9	
Turlough Hill - TH4	73	99.9	0.0	0.1	--	93.0	
Tawnaghmore - TP1	52	100.0	0.0	0.0	--	94.0	
Tawnaghmore - TP3	52	100.0	0.0	0.0	--	83.2**	
West Offaly Power - WO4	137	97.4	2.6	0.0	--	81.0	
Synergen	Dublin Bay - DB1	415	96.8	0.1	0.0	3.2	91.1
Tynagh Energy Ltd	Tynagh - TYC	404	80.3	13.7	2.4	3.6	83.3
Viridian Power & Energy	Huntstown - HNC	344	98.4	0.0	0.0	1.6	94.9
	Huntstown - HN2	408	99.1	0.1	0.0	0.7	94.0
<b>System Total Average Availability</b>			<b>83.7</b>	<b>15.3</b>	<b>0.3</b>	<b>0.7</b>	<b>78.9***</b>

\*Exported MW values as per Generation Adequacy Report 2008-2014. Note some of the availability statistics are currently based on generated MW values which may give rise to some very small variances.

\*\*The figure for TP3 is an average figure of the unit's availability since it was commissioned on 15/09/2008

\*\*\*The rolling 52-week system availability is calculated using the weekly availability figures and may vary due to plant commissioning and decommissioning.

3-Month Outlook for Generation Scheduled and Known Forced Outages													
ISO Week Number	1	2	3	4	5	6	7	8	9	10	11	12	13
Beginning Monday	29-Dec	05-Jan	12-Jan	19-Jan	26-Jan	02-Feb	09-Feb	16-Feb	23-Feb	02-Mar	09-Mar	16-Mar	23-Mar
Station	Unit	January				February				March			
ARDNACRUSHA	AA1												
	AA2												
	AA3												
	AA4												
AGHADA	AD1												
	AT1												
	AT2												
	AT4												
DUBLINBAY	DB1												
EDENDERRY	ED1												
ERNE	ER1												
	ER2												
	ER3												
	ER4												
GREAT ISLAND	GI1												
	GI2												
	GI3												
HUNTSTOWN	HN2												
	HNC												
LEE	LE1												
	LE2												
	LE3												
LIFFEY	LI1												
	LI2												
	LI4												
	LI5												
LOUGH REE	LR4												
MONEYPOINT	MP1					S	S	S					
	MP2												
	MP3												
MARINA	MRC												
NORTH WALL	NW5												
	NWC												
POOLBEG	PB1												
	PB2												
	PB3	F	F	F	F	F	F	F	F	F	F	F	F
	PB4												
	PB5												
	PB6												
RHODE	RP1												
	RP2												
SEAL ROCK	SK3												
	SK4									S			
TARBERT	TB1												
	TB2												
	TB3												
	TB4	F	F										
TURLOUGH HILL	TH1	F	F	F	F								
	TH2												
	TH3												
	TH4												
TAWNAGHMORE	TP1												
	TP3												
TYNAGH	TYC												
WEST OFFALY	WO4												

S = Scheduled Outage F = Forced Outage

**Notes on 3-Month Outlook:**

- (1) Based on information available as of 12<sup>th</sup> January. 3-month Outlook is indicative only and subject to change. Includes only Forced Outages known at time of publication.
- (2) Some outages of less than 6 days duration are not shown on this outlook (e.g., a weekend outage)