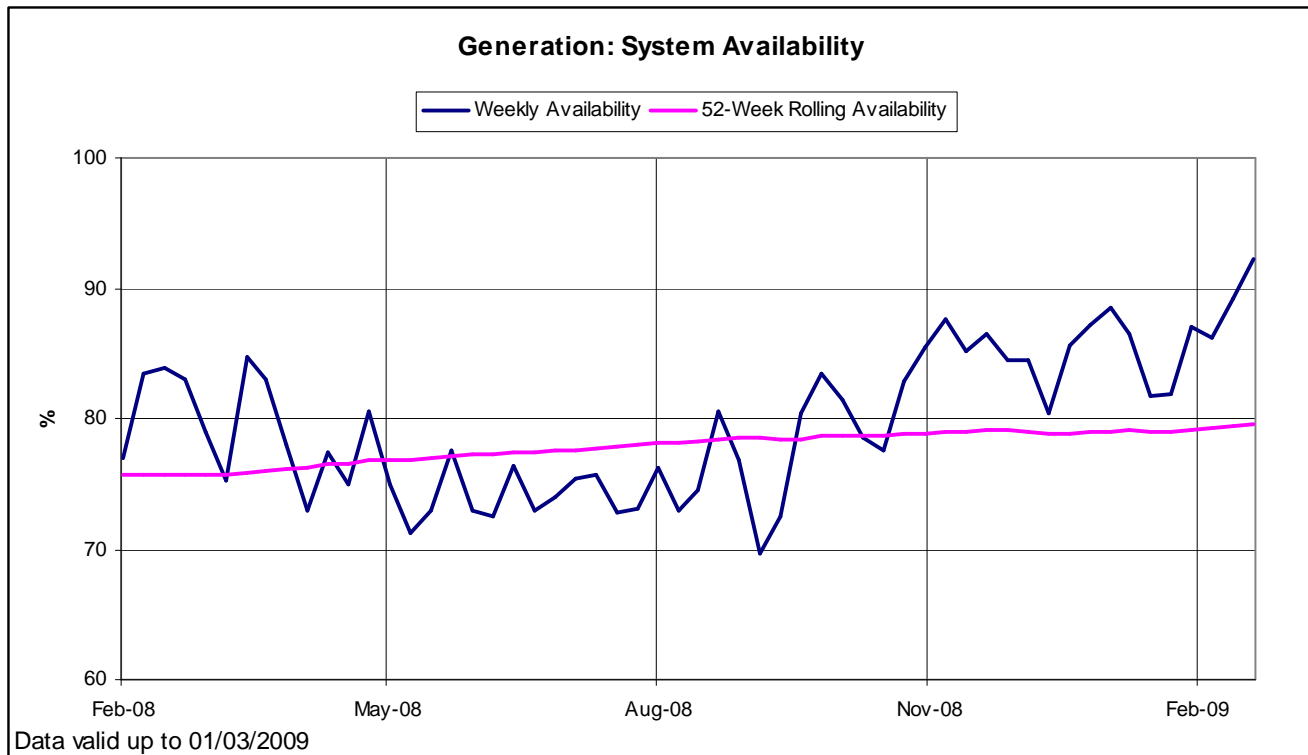


## EirGrid Monthly Availability Report – February 2009

This report, for February 2009, 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 March to May 2009.

### Key Points:

- The forced outage rate reduced from 12.2% in January to 6.6% in February. This is equivalent to a forced outage rate of 2.6% when the long-term outage at Poolbeg Unit 3 is excluded.
- The monthly system availability for February was 88.6%. There were very few outages in February while the main forced outage, in addition to the long-term outage at Poolbeg Unit 3, was the partial outage of Marina.
- The rolling 52-week availability increased from 79% to 79.5%.



### Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 Sunday 1<sup>st</sup> February to 00:00 Sunday 1<sup>st</sup> March 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 - February 2009							
Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	100.0	0.0	0.0	0.0	90.8
	Seal Rock - SK4	80	94.9	0.6	4.5	0.0	95.2
Edenderry Power Ltd	Edenderry - ED1	118	98.7	1.3	0.0	0.0	82.7
Endesa**	Great Island - GI1	54	100.0	0.0	0.0	--	90.1
	Great Island - GI2	54	91.2	8.8	0.0	--	86.7
	Great Island - GI3	109	99.9	0.1	0.0	--	76.1
	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	--	95.7
	Tarbert - TB2	54	95.3	4.7	0.0	--	95.8
	Tarbert - TB3	243	100.0	0.0	0.0	--	90.5
	Tarbert - TB4	243	93.8	6.2	0.0	--	86.1
	Tawnaghmore - TP1	52	95.4	4.6	0.0	--	94.1
	Tawnaghmore - TP3	52	95.9	4.1	0.0	--	88.8***
	ESB Power Generation	Ardnacrusha - AA1	21	98.3	0.5	1.2	--
Ardnacrusha - AA2		22	100.0	0.0	0.0	--	98.7
Ardnacrusha - AA3		19	100.0	0.0	0.0	--	97.5
Ardnacrusha - AA4		24	100.0	0.0	0.0	--	91.8
Aghada - AD1		257	87.3	2.2	10.5	0.0	41.5
Aghada - AT1		90	85.6	14.4	0.0	0.0	91.8
Aghada - AT2		90	99.9	0.1	0.0	0.0	71.1
Aghada - AT4		90	99.8	0.2	0.0	0.0	98.5
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
Lee - LE1		15	93.9	6.1	0.0	--	89.6
Lee - LE2		4	99.4	0.6	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	99.9	0.1	0.0	--	99.3
Liffey - LI5		4	19.6	80.4	0.0	--	88.4
Lough Ree Power - LR4		90	99.8	0.2	0.0	--	84.2
Moneypoint - MP1		285	95.3	4.3	0.4	--	84.7
Moneypoint - MP2		285	21.0	7.8	71.2	--	52.0
Moneypoint - MP3		285	95.5	4.5	0.0	--	92.1
Marina - MRC		123	78.5	21.5	0.0	0.0	76.3
North Wall - NWC		154	82.5	4.4	12.9	0.2	74.0
North Wall - NW5		109	95.5	4.5	0.0	0.0	71.9
Poolbeg - PB1		115	99.0	1.0	0.0	--	90.7
Poolbeg - PB2		115	99.6	0.4	0.0	--	47.5
Poolbeg - PB3		242	0.0	100.0	0.0	--	0.0
Poolbeg - PB4		154	99.6	0.0	0.0	0.4	90.1
Poolbeg - PB5		150	99.8	0.0	0.0	0.2	92.2
Poolbeg - PB6		173	94.5	5.3	0.0	0.2	84.1
Turlough Hill - TH1	73	99.9	0.1	0.0	--	10.1	
Turlough Hill - TH2	73	99.9	0.0	0.1	--	89.5	
Turlough Hill - TH3	73	99.5	0.3	0.1	--	95.6	
Turlough Hill - TH4	73	99.7	0.1	0.1	--	95.6	
West Offaly Power - WO4	137	99.0	1.0	0.0	--	77.7	
Synergen	Dublin Bay - DB1	415	96.9	0.0	0.0	3.1	91.3
Tynagh Energy Ltd	Tynagh - TYC	400	96.3	0.1	0.0	3.6	85.5
Viridian Power & Energy	Huntstown - HNC	344	98.2	0.0	0.0	1.8	95.0
	Huntstown - HN2	408	98.0	1.5	0.0	0.5	94.4
<b>System Total Average Availability</b>			<b>88.6</b>	<b>6.6</b>	<b>4.2</b>	<b>0.6</b>	<b>79.5****</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.

\*\* Endesa came under ownership of these 4 stations on 08/01/09, the monthly stats for these units include when under ESB Power Gen ownership

\*\*\* 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	10	11	12	13	14	15	16	17	18	19	20	21	22
Beginning Monday	02-Mar	09-Mar	16-Mar	23-Mar	30-Mar	06-Apr	13-Apr	20-Apr	27-Apr	04-May	11-May	18-May	25-May
Station	Unit	March			April					May			
ARDNACRUSHA	AA1												
	AA2												
	AA3								S				
	AA4												
AGHADA	AD1												
	AT1								S	S	S	S	S
	AT2										S		
	AT4												
DUBLINBAY	DB1												
EDENDERRY	ED1					S							
ERNE	ER1								S	S			
	ER2										S	S	
	ER3												
	ER4												S
GREAT ISLAND	GI1										S	S	
	GI2										S	S	
	GI3												
HUNTSTOWN	HN2											S	S
	HNC					S							
LEE	LE1												
	LE2									S	S	S	
	LE3												
LIFFEY	LI1												
	LI2												
	LI4												
	LI5												
LOUGH REE	LR4												
MONEYPOINT	MP1												
	MP2												
	MP3										S	S	S
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										S		
	SK4						S	S					
TARBERT	TB1												S
	TB2												S
	TB3												
	TB4												
TURLOUGH HILL	TH1												
	TH2												
	TH3	S											
	TH4				S	S							
TAWNAGHMORE	TP1							S					
	TP3								S				
TYNAGH	TYC												
WEST OFFALY	WO4												

S = Scheduled Outage F = Forced Outage

**Notes on 3-Month Outlook:**

- (1) Based on information available as of 10<sup>th</sup> March. 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)