

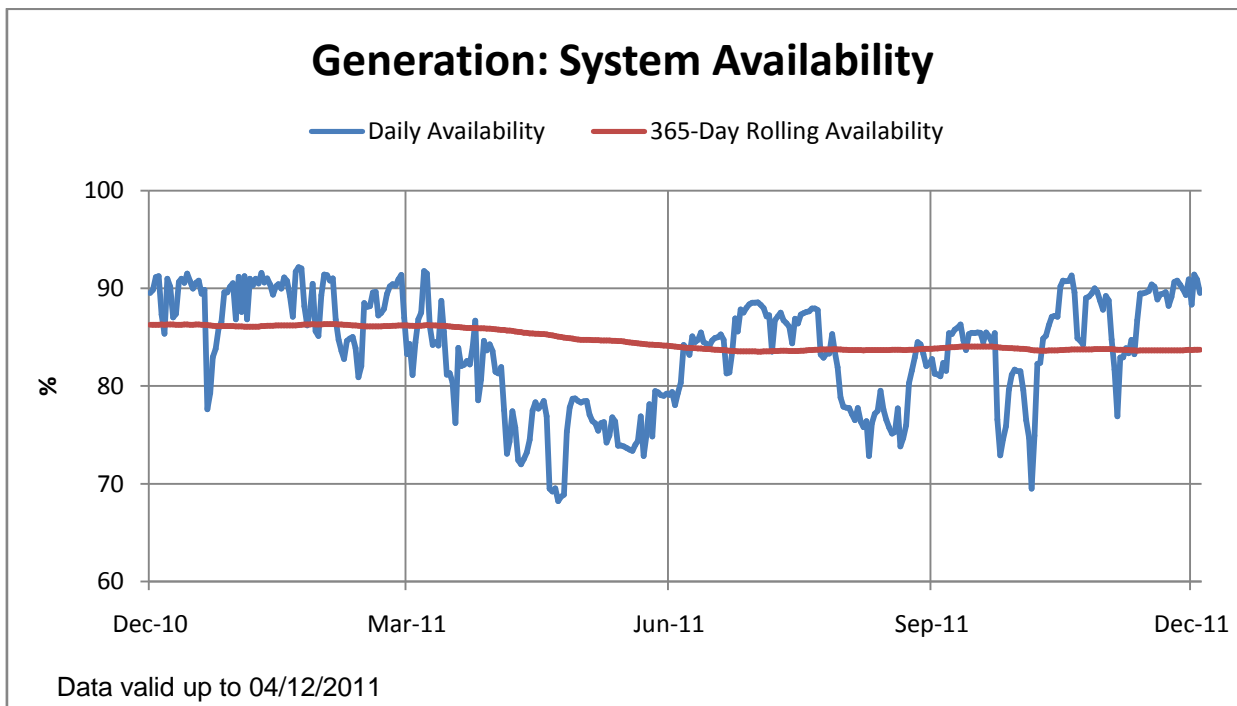


## EirGrid Monthly Availability Report – November 2011

This report, for November 2011, 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 December 2011 to February 2012.

### Key Points:

- The forced outage rate increased from 8.9% in October to 9.9% in November.
- The monthly system availability increased from 85.2% in October to 87.6% in November. The main scheduled outages were at Erne ER3, Sealrock SK4 and Lough Ree LR4. The main forced outages were at Lough Ree LR4 and Dublin Bay DB1. There are also long-term outages at Turlough Hill station.
- The rolling 365 day rolling availability decreased from 83.8% in October to 83.7% in November.



### Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 1<sup>st</sup> November to 00:00 1<sup>st</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.

**365-day Rolling Availability:** the average of the unit's **Availability** over the most recent 365 days (i.e., past year)

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## Unit-by-Unit Average Monthly Availability - November 2011

Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %	
Aughinish Alumina Ltd	Seal Rock - SK3	85	76.4	16.8	0.0	6.8	80.0	
	Seal Rock - SK4	85	85.7	0.9	5.8	7.6	88.8	
Bord Gáis	Whitegate – WG1	435	97.2	0.7	0.0	2.1	94.1	
Edenderry Power Ltd	Edenderry - ED1	118	99.1	0.9	0.0	--	87.0	
	Edenderry – ED3	58	100.0	0.0	0.0	--	98.8	
	Edenderry – ED5	58	100.0	0.0	0.0	--	99.4	
Endesa	Great Island - GI1	54	100.0	0.0	0.0	--	97.8	
	Great Island - GI2	54	90.7	9.3	0.0	--	90.2	
	Great Island - GI3	109	100.0	0.0	0.0	--	95.7	
	Rhode – RP1	52	100.0	0.0	0.0	--	98.8	
	Rhode – RP2	52	100.0	0.0	0.0	--	98.7	
	Tarbert – TB1	54	100.0	0.0	0.0	--	99.4	
	Tarbert – TB2	54	100.0	0.0	0.0	--	99.6	
	Tarbert – TB3	243	100.0	0.0	0.0	--	99.7	
	Tarbert – TB4	243	100.0	0.0	0.0	--	92.6	
	Tawnaghmore - TP1	52	99.5	0.0	0.5	--	98.0	
	Tawnaghmore - TP3	52	99.5	0.0	0.5	--	98.4	
	ESB Power Generation	Aghada - AD1	258	99.9	0.1	0.0	0.0	97.6
		Aghada - AD2	432	99.3	0.3	0.0	0.4	95.5
Aghada - AT1		90	100.0	0.0	0.0	0.0	99.2	
Aghada - AT2		90	99.9	0.1	0.0	0.0	97.7	
Aghada - AT4		90	100.0	0.0	0.0	0.0	99.9	
Ardnacrusha - AA1		21	100.0	0.0	0.8	--	98.4	
Ardnacrusha - AA2		22	100.0	0.0	0.0	--	97.6	
Ardnacrusha - AA3		19	100.0	0.0	0.0	--	94.9	
Ardnacrusha - AA4		24	100.0	0.0	0.0	--	96.5	
Erne - ER1		10	95.0	0.1	4.9	--	91.8	
Erne - ER2		10	95.3	0.0	4.7	--	93.2	
Erne - ER3		23	0.0	0.0	100.0	--	52.2	
Erne - ER4		23	100.0	0.0	0.0	--	54.6	
Lee - LE1		15	100.0	0.0	0.0	--	94.8	
Lee - LE2		4	100.0	0.0	0.0	--	93.2	
Lee - LE3		8	96.5	3.5	0.0	--	92.4	
Liffey - LI1		15	100.0	0.0	0.0	--	91.3	
Liffey - LI2		15	100.0	0.0	0.0	--	89.3	
Liffey - LI4		4	100.0	0.0	0.0	--	96.7	
Liffey - LI5		4	99.0	0.0	1.0	--	98.5	
Lough Ree Power - LR4		91	36.7	23.7	39.6	0.0	92.1	
Marina - MRC		123	76.4	23.6	0.0	0.0	67.8	
Moneypoint - MP1		285	99.6	0.4	0.0	0.0	95.1	
Moneypoint - MP2		285	99.9	0.1	0.0	0.0	95.8	
Moneypoint - MP3		285	99.9	0.1	0.0	0.0	94.6	
North Wall - NW5		108	94.5	5.5	0.0	0.0	88.0	
North Wall - NWC		154	0.0	100.0	0.0	0.0	0.0	
Poolbeg - PB4		158	96.2	0.0	0.0	3.8	78.7	
Poolbeg - PB5		154	99.2	0.0	0.0	0.8	78.7	
Poolbeg - PB6		182	91.8	0.0	0.0	8.2	63.7	
Turlough Hill - TH1		73	0.0	100.0	0.0	0.0	0.0	
Turlough Hill - TH2		73	0.0	100.0	0.0	0.0	0.0	
Turlough Hill - TH3		73	0.0	100.0	0.0	0.0	0.0	
Turlough Hill - TH4	73	0.0	100.0	0.0	0.0	0.0		
West Offaly Power - WO4	135	97.6	2.4	0.0	0.0	53.9		
Synergen	Dublin Bay - DB1	415	70.4	25.5	0.0	4.1	88.1	
Tynagh Energy Ltd	Tynagh – TYC	404	86.0	9.0	0.0	5.0	76.7	
Viridian Power & Energy	Huntstown - HN2	408	96.2	0.2	0.0	3.6	91.3	
	Huntstown - HNC	344	95.0	1.3	0.5	3.2	89.7	
<b>System Total Average Availability</b>			<b>87.6</b>	<b>9.9</b>	<b>1.0</b>	<b>1.5</b>	<b>83.7</b>	

## Upcoming Scheduled and Known Forced Outages

ISO Week Number	48	49	50	51	52	1	2	3	4	5	6	7	8
Beginning Monday	28-Nov	5-Dec	12-Dec	19-Dec	26-Dec	2-Jan	9-Jan	16-Jan	23-Jan	30-Jan	6-Feb	13-Feb	27-Feb
Station	Unit	December				January				February			
ARDNACRUSHA	AA1												
	AA2												
	AA3												
	AA4												
AGHADA	AD1												
	AD2												
	AT1												
	AT2												S
	AT4												
DUBLINBAY	DB1												
EDENDERRY	ED1				S								
	ED3												
	ED5												
ERNE	ER1												
	ER2												
	ER3	S	S	S	S	S	S	S	S	S	S	S	S
	ER4												
GREAT ISLAND	GI1												
	GI2												
	GI3												
HUNTSTOWN	HN2												
	HNC												
INDAVER	IW1												
LEE	LE1												
	LE2												
	LE3												
LIFFEY	LI1												
	LI2												
	LI4												
	LI5												
LOUGH REE	LR4												
MONEYPOINT	MP1												
	MP2												
	MP3												
MARINA	MRC												
NORTH WALL	NW5												
	NWC	F	F	F	F	F	F	F	F				
POOLBEG	PB4												
	PB5												
	PB6												
RHODE	RP1												
	RP2												
SEAL ROCK	SK3												
	SK4										S	S	S
TARBERT	TB1												
	TB2												
	TB3												
	TB4												
TURLOUGH HILL	TH1	F	F	F	F	F	F	F	F				
	TH2	F	F	F	F	F	F	F					
	TH3	F	F	F	F	F	F	F	F	F	F	F	F
	TH4	F	F	F	F	F	F	F	F	F	F	F	F
TAWNAGHMORE	TP1												
	TP3												
TYNAGH	TYC												
WEST OFFALY	WO4												
WHITEGATE	WG1												

**Notes on 3-Month Outlook:**

S = Scheduled Outage F = Forced Outage

- (1) Based on information available as of 08-December 2011. 3-month Outlook is indicative only and subject to change.
- (2) Some outages of less than 6 days duration are not shown on this outlook (e.g., a weekend outage)
- (3) Indaver- Meath Waste to Energy (IW1) due to be available from 19<sup>th</sup> December onwards

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