

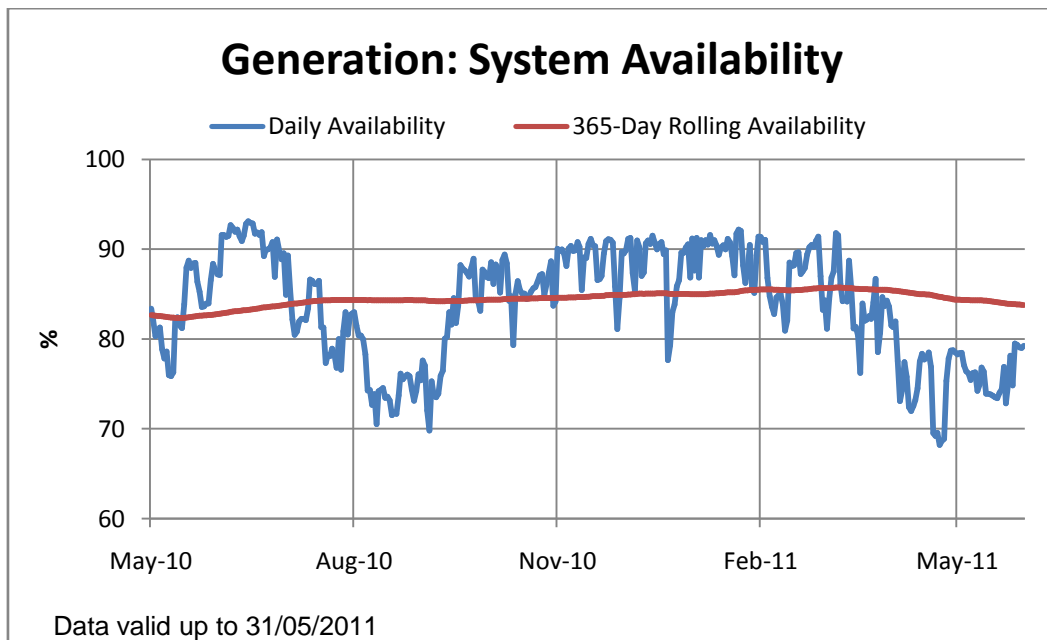


## EirGrid Monthly Availability Report – May 2011

This report, for May 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 June to August 2011.

### Key Points:

- The forced outage rate increased from 11.0% in April to 13.2% in May.
- The monthly system availability increased from 75.3% in April to 76.1% in May. The main scheduled outages were at Poolbeg PB4 & PB6, West Offaly WO4, Erne ER1 and Lee LE3. The main forced outages were at Huntstown HNC, Tynagh TYC, North Wall NW5. There are also long-term outages at North Wall NWC and Turlough Hill station.
- The rolling 365 day rolling availability decreased from 84.8% in April to 84.1% in May.



### Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 1<sup>st</sup> May to 00:00 1<sup>st</sup> June 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 - May 2011								
Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %	
Aughinish Alumina Ltd	Seal Rock - SK3	85	85.7	1.1	5.7	7.4	90.2	
	Seal Rock - SK4	85	86.2	0.5	6.1	7.2	81.4	
Bord Gáis	Whitegate – WG1	445	96.9	0.2	0.0	2.9	93.9	
Edenderry Power Ltd	Edenderry - ED1	118	93.3	6.7	0.0	0.0	73.3	
	Edenderry – ED3	58	97.4	0.1	2.5	0.0	98.8**	
	Edenderry – ED5	58	97.5	0.0	2.5	0.0	99.0**	
Endesa	Great Island - GI1	54	100.0	0.0	0.0	--	98.1	
	Great Island - GI2	54	90.7	9.3	0.0	--	89.7	
	Great Island - GI3	109	100.0	0.0	0.0	--	96.2	
	Rhode – RP1	52	99.9	0.1	0.0	--	94.5	
	Rhode – RP2	52	100.0	0.0	0.0	--	93.9	
	Tarbert – TB1	54	100.0	0.0	0.0	--	99.9	
	Tarbert – TB2	54	100.0	0.0	0.0	--	96.8	
	Tarbert – TB3	243	100.0	0.0	0.0	--	97.5	
	Tarbert – TB4	243	100.0	0.0	0.0	--	97.0	
	Tawnaghmore - TP1	52	100.0	0.0	0.0	--	97.5	
	Tawnaghmore - TP3	52	100.0	0.0	0.0	--	98.4	
	ESB Power Generation	Aghada - AD1	258	99.4	0.6	0.0	0.0	89.5
		Aghada - AD2	432	94.4	5.6	0.0	0.0	95.7
Aghada - AT1		90	100.0	0.0	0.0	0.0	99.4	
Aghada - AT2		90	100.0	0.0	0.0	0.0	97.6	
Aghada - AT4		90	100.0	0.0	0.0	0.0	99.6	
Ardnacrusha - AA1		21	85.9	0.0	14.1	--	93.7	
Ardnacrusha - AA2		22	94.6	0.0	5.4	--	98.2	
Ardnacrusha - AA3		19	100.0	0.0	0.0	--	94.1	
Ardnacrusha - AA4		24	99.9	0.1	0.0	--	99.4	
Erne - ER1		10	40.0	15.0	45.0	--	91.4	
Erne - ER2		10	99.8	0.2	0.0	--	84.6	
Erne - ER3		23	100.0	0.0	0.0	--	99.5	
Erne - ER4		23	89.1	3.9	7.0	--	8.3	
Lee - LE1		15	94.4	0.0	5.6	--	92.1	
Lee - LE2		4	31.9	5.8	62.3	--	92.8	
Lee - LE3		8	100.0	0.0	0.0	--	92.1	
Liffey - LI1		15	100.0	0.0	0.0	--	98.3	
Liffey - LI2		15	100.0	0.0	0.0	--	97.6	
Liffey - LI4		4	100.0	0.0	0.0	--	79.9	
Liffey - LI5		4	100.0	0.0	0.0	--	97.9	
Lough Ree Power - LR4		91	95.6	4.4	0.0	--	69.7	
Marina - MRC		123	73.8	26.2	0.0	0.0	70.4	
Moneypoint - MP1		285	100.0	0.0	0.0	--	85.7	
Moneypoint - MP2		285	99.2	0.8	0.0	--	94.3	
Moneypoint - MP3		285	99.9	0.1	0.0	--	95.8	
North Wall - NW5		108	69.3	28.0	0.0	2.7	91.7	
North Wall - NWC		154	0.0	100.0	0.0	0.0	16.8	
Poolbeg - PB4		158	0.0	0.0	92.4	7.6	77.5	
Poolbeg - PB5		154	94.5	1.7	0.0	3.8	93.7	
Poolbeg - PB6		182	0.0	0.0	94.0	6.0	75.9	
Turlough Hill - TH1		73	0.0	100.0	0.0	--	8.9	
Turlough Hill - TH2		73	0.0	100.0	0.0	--	0.0	
Turlough Hill - TH3	73	0.0	0.0	100.0***	--	9.1		
Turlough Hill - TH4	73	0.0	0.0	100.0***	--	9.1		
West Offaly Power - WO4	135	0.0	0.0	100.0	0.0	77.7		
Synergen	Dublin Bay - DB1	415	93.1	0.9	0.0	5.9	89.6	
Tynagh Energy Ltd	Tynagh – TYC	404	28.6	69.8	0.0	1.6	76.7	
Viridian Power & Energy	Huntstown - HN2	408	95.9	0.0	0.0	4.1	90.6	
	Huntstown - HNC	344	39.2	58.8	0.1	1.9	90.9	
<b>System Total Average Availability</b>			<b>76.1</b>	<b>13.2</b>	<b>9.1</b>	<b>1.6</b>	<b>84.1</b>	

\* Maximum Exported MW values as per declared value in EDIL

\*\* ED3 and ED5 availability shown here is the average since commissioning and not 365-day rolling

\*\*\* TH3 and TH4 are considered to be scheduled from April to October 2011, as per original agreed outages.

## Upcoming Scheduled and Known Forced Outages

ISO Week Number	22	23	24	25	26	27	28	29	30	31	32	33	34	
Beginning Monday	30-May	06-Jun	13-Jun	20-Jun	27-Jun	04-Jul	11-Jul	18-Jul	25-Jul	01-Aug	08-Aug	15-Aug	22-Aug	
Station	Unit	June				July				August				
ARDNACRUSHA	AA1													
	AA2	S												
	AA3		S	S	S									
	AA4					S								
AGHADA	AD1													
	AD2													
	AT1													
	AT2													
	AT4												S	
DUBLINBAY	DB1													
EDENDERRY	ED1									S	S	S		
	ED3													
	ED5													
ERNE	ER1													
	ER2												S	
	ER3			S	S	S	S	S	S	S	S	S	S	
	ER4	F												
GREAT ISLAND	GI1									S				
	GI2										S			
	GI3											S		
HUNTSTOWN	HN2													
	HNC	F												
LEE	LE1	S	S	S										
	LE2						S	S	S					
	LE3									S	S	S		
LIFFEY	LI1												S	
	LI2							S	S	S	S	S		
	LI4													
	LI5			S										
LOUGH REE	LR4													
MONEYPOINT	MP1													
	MP2													
	MP3									S	S			
MARINA	MRC													
NORTH WALL	NW5												S	S
	NWC	F	F	F	F	F	F	F	F	F	F	F	F	
POOLBEG	PB4	S	S											
	PB5									S	S	S	S	
	PB6	S	S											
RHODE	RP1							S						
	RP2								S					
SEAL ROCK	SK3									S	S	S	S	
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4													
TURLOUGH HILL	TH1	F	F	F	F	F	F	F	F	F	F	F	F	
	TH2	F	F	F	F	F	F	F	F	F	F	F	F	
	TH3	S	S	S	S	S	S	S	S	S	S	S	S	
	TH4	S	S	S	S	S	S	S	S	S	S	S	S	
TAWNAGHMORE	TP1		S											
	TP3			S										
TYNAGH	TYC													
WEST OFFALY	WO4	S	S	S	S	S	S	S	S	S	S	S		
WHITEGATE	WG1													

S = Scheduled Outage F = Forced Outage

**Notes on 3-Month Outlook:**

- (1) Based on information available as of 1<sup>st</sup> June, 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)

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