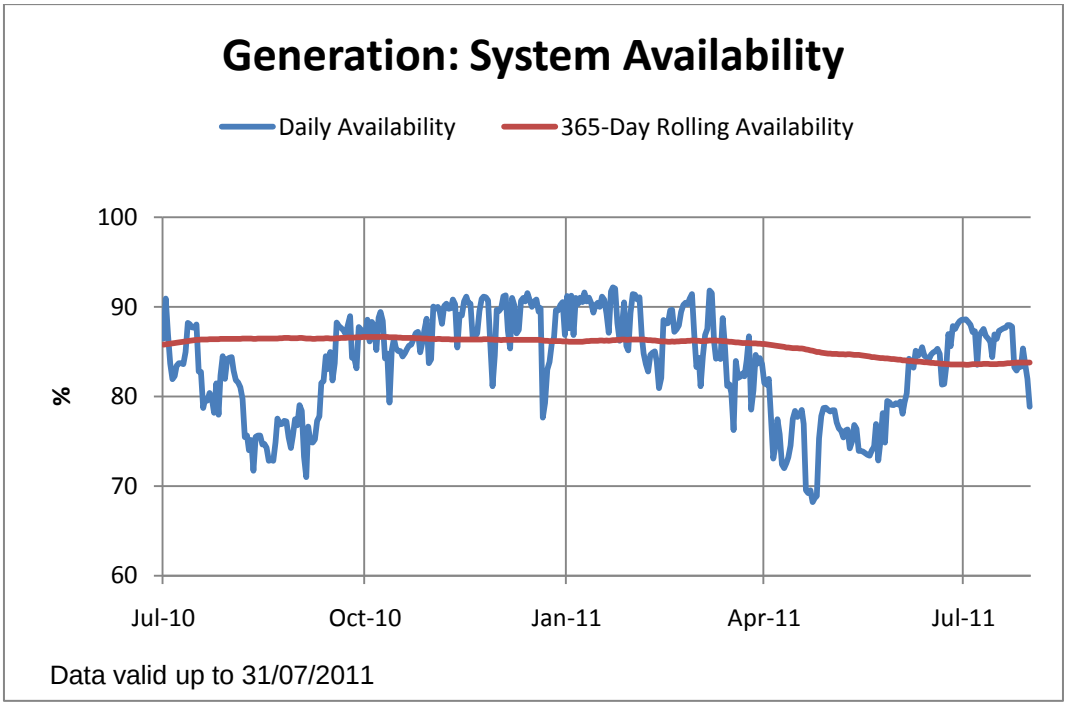
EirGrid Monthly Availability Report – July 2011

This report, for July 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 August to October 2011.

Key Points:

- The forced outage rate decreased from 6.4% in June to 6.3% in July.
- The monthly system availability increased from 84.1% in June to 86.0% in July. The main scheduled outages were at Lee LE3, Rhode Peakers RP1 & RP2, Erne ER3 & ER4 and West Offaly WO4. The main forced outage was at Moneypoint MP2. There are also long-term outages at North Wall NWC and Turlough Hill station.
- The rolling 365 day rolling availability increased from 83.6% in June to 83.8% in July.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st July to 00:00 1st August 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)

HOW TO CONTACT US

General Queries
Tel: +353 1 23 70000
Email: info@eirgrid.com

Power System Operational Planning
Tel: +353 1 23 70446
Email: PSOP@eirgrid.com

www.eirgrid.com

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Unit-by-Unit Average Monthly Availability - July 2011

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.11	0.00	0.00	10.89	90.85
	Seal Rock - SK4	85	91.71	0.00	0.00	8.29	81.57
Bord Gáis	Whitegate – WG1	445	95.52	0.00	0.23	4.25	94.37
Edenderry Power Ltd	Edenderry - ED1	118	81.80	9.81	8.39	0.00	80.74
	Edenderry – ED3	58	100.00	0.00	0.00	0.00	99.05**
	Edenderry – ED5	58	100.00	0.00	0.00	0.00	99.17**
Endesa	Great Island - GI1	54	100.00	0.00	0.00	0.00	99.24
	Great Island - GI2	54	90.74	9.26	0.00	0.00	90.74
	Great Island - GI3	109	100.00	0.00	0.00	0.00	96.18
	Rhode – RP1	52	86.22	0.00	13.78	0.00	94.01
	Rhode – RP2	52	86.55	0.00	13.45	0.00	93.43
	Tarbert – TB1	54	100.00	0.00	0.00	0.00	99.41
	Tarbert – TB2	54	100.00	0.00	0.00	0.00	97.74
	Tarbert – TB3	243	100.00	0.00	0.00	0.00	97.67
	Tarbert – TB4	243	100.00	0.00	0.00	0.00	98.52
	Tawnaghmore - TP1	52	100.00	0.00	0.00	0.00	98.00
	Tawnaghmore - TP3	52	100.00	0.00	0.00	0.00	98.82
ESB Power Generation	Aghada - AD1	258	99.81	0.19	0.00	0.00	93.29
	Aghada - AD2	432	99.45	0.21	0.00	0.34	96.12
	Aghada - AT1	90	97.58	0.06	2.36	0.00	99.24
	Aghada - AT2	90	99.94	0.06	0.00	0.00	97.79
	Aghada - AT4	90	99.11	0.89	0.00	0.00	99.78
	Ardnacrusha - AA1	21	100.00	0.00	0.00	0.00	98.46
	Ardnacrusha - AA2	22	100.00	0.00	0.00	0.00	97.53
	Ardnacrusha - AA3	19	100.00	0.00	0.00	0.00	94.37
	Ardnacrusha - AA4	24	97.68	0.00	2.32	0.00	98.15
	Erne - ER1	10	99.96	0.04	0.00	0.00	92.27
	Erne - ER2	10	100.00	0.00	0.00	0.00	86.48
	Erne - ER3	23	0.00	0.00	100.00	0.00	85.54
	Erne - ER4	23	81.36	6.43	12.21	0.00	23.42
	Lee - LE1	15	100.00	0.00	0.00	0.00	93.87
	Lee - LE2	4	99.41	0.59	0.00	0.00	93.14
	Lee - LE3	8	28.94	2.34	68.72	0.00	87.27
	Liffey - LI1	15	100.00	0.00	0.00	0.00	98.26
	Liffey - LI2	15	100.00	0.00	0.00	0.00	97.66
	Liffey - LI4	4	100.00	0.00	0.00	0.00	79.93
	Liffey - LI5	4	100.00	0.00	0.00	0.00	97.15
	Lough Ree Power - LR4	91	99.98	0.02	0.00	0.00	86.37
	Marina - MRC	123	73.98	26.02	0.00	0.00	70.97
	Moneypoint - MP1	285	99.90	0.10	0.00	0.00	84.96
	Moneypoint - MP2	285	84.83	15.17	0.00	0.00	92.98
	Moneypoint - MP3	285	96.44	3.56	0.00	0.00	97.90
	North Wall - NW5	108	96.30	3.70	0.00	0.00	91.70
	North Wall - NWC	154	0.00	100.00	0.00	0.00	1.17
	Poolbeg - PB4	158	95.44	0.00	0.00	4.56	75.62
	Poolbeg - PB5	154	82.66	0.00	9.55	7.79	93.19
	Poolbeg - PB6	182	83.85	3.83	3.96	8.36	70.13
	Turlough Hill - TH1	73	0.00	100.00	0.00	0.00	0.00
	Turlough Hill - TH2	73	0.00	100.00	0.00	0.00	0.00
	Turlough Hill - TH3***	73	0.00	0.00	100.00	0.00	0.00
	Turlough Hill - TH4***	73	0.00	0.00	100.00	0.00	0.00
	West Offaly Power - WO4	135	0.00	0.00	100.00	0.00	61.40
Synergen	Dublin Bay - DB1	415	91.59	1.30	0.00	7.11	89.38
Tynagh Energy Ltd	Tynagh – TYC	404	93.10	0.18	0.00	6.72	77.08
Viridian Power & Energy	Huntstown - HN2	408	95.37	0.00	0.00	4.63	90.84
	Huntstown - HNC	344	91.77	2.68	0.00	5.55	89.99
System Total Average Availability			**86.0**	**6.3**	**5.3**	**2.4**	**83.8**

* 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.

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Upcoming Scheduled and Known Forced Outages

ISO Week Number		31	32	33	34	35	36	37	38	39	40	41	42	43
Beginning Monday		01-Aug	08-Aug	15-Aug	22-Aug	29-Aug	05-Sep	12-Sep	19-Sep	26-Sep	03-Oct	10-Oct	17-Oct	24-Oct
Station	**Unit**	**August**				**September**					**October**			
ARDNACRUSHA	AA1													
	AA2													
	AA3													
	AA4													
AGHADA	AD1													
	AD2													
	AT1													
	AT2													
	AT4													
DUBLINBAY	DB1													
EDENDERRY	ED1	S	S	S										
	ED3													
	ED5													
ERNE	ER1													
	ER2				S	S	S							
	ER3	S	S	S	S	S	S	S	S	S	S	S	S	S
	ER4													
GREAT ISLAND	GI1		S											
	GI2													
	GI3			S										
HUNTSTOWN	HN2													
	HNC													
LEE	LE1													
	LE2													
	LE3													
LIFFEY	LI1			S										
	LI2		S	S	S	S								
	LI4													
	LI5													
LOUGH REE	LR4													
MONEYPOINT	MP1													
	MP2													
	MP3	S	S											
MARINA	MRC							S	S	S	S	S	S	S
NORTH WALL	NW5			S										
	NWC	F	F	F	F	F	F	F	F	F	F	F	F	F
POOLBEG	PB4													
	PB5	S	S	S	S	S	S	S	S	S				
	PB6*													
RHODE	RP1													
	RP2													
SEAL ROCK	SK3	S	S	S	S									
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4								S	S	S			
TURLOUGH HILL	TH1	F	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	F
	TH3	S	S	S	S	S	S	S	S	S	S	F	F	F
	TH4	S	S	S	S	S	S	S	S	S	S	F	F	F
TAWNAGHMORE	TP1													
	TP3													
TYNAGH	TYC													
WEST OFFALY	WO4	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 5th August 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)

*Poolbeg ST16, PB6 will be available for half load due to the outage of Poolbeg CT15, PB5

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