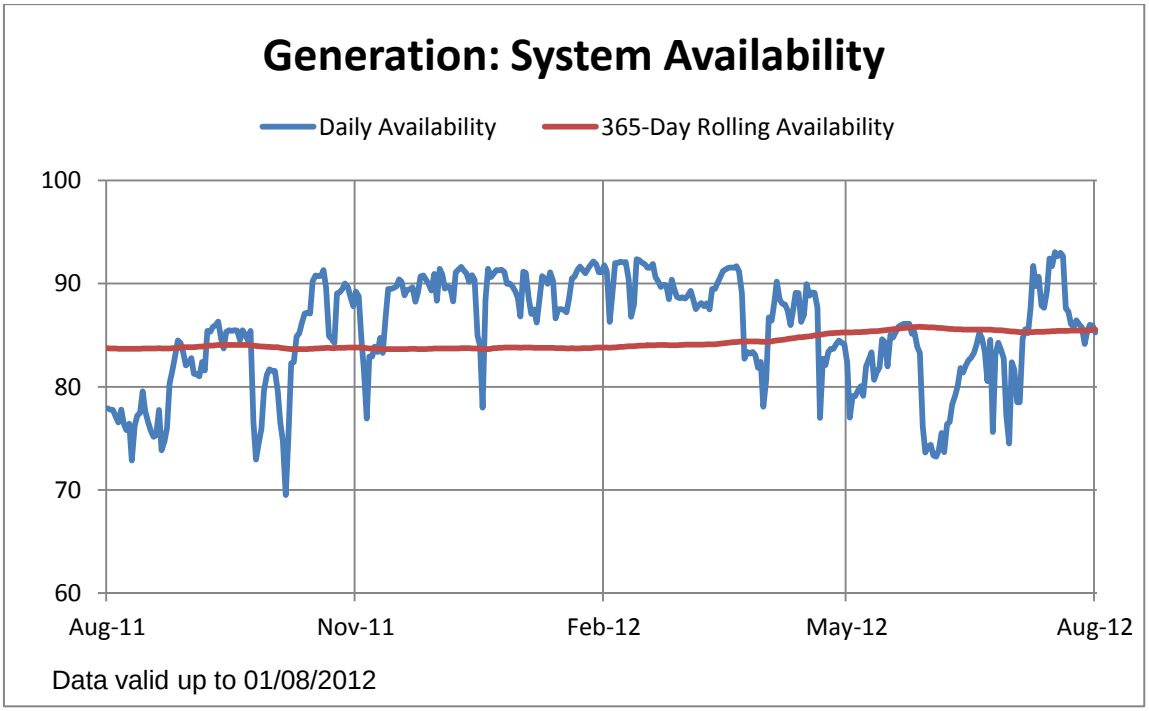
EirGrid Monthly Availability Report – July 2012

This report, for July 2012, 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 2012.

Key Points:

- The forced outage rate decreased from 8.4% in June to 6.5% in July.
- The monthly system availability decreased from 79.7% in June to 87.3% in July. The main scheduled outages in July were at Edenderry ED1, Aghada AD2, Lee LE3, Liffey LI5 and Dublin Bay DB1. Indaver IW1, Turlough Hill TH3 & TH4 were undergoing commissioning testing during the month. The main forced outages in July were at Edenderry ED1,Erne ER3, North Wall NW5 and West Offaly WO4.
- The 365 day rolling availability decreased from 85.3% in June to 85.5% 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)

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Unit-by-Unit Average Monthly Availability – July 2012

Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Activation Energy	AEDSU – AE1	12	89.6	10.4	0.0	--	69.3
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.3	0.0	0.0	10.7	78.5
	Seal Rock - SK4	85	91.6	0.0	0.0	8.4	86.4
Bord Gáis	Whitegate – WG1	435	95.8	0.0	0.0	4.2	90.6
Edenderry Power Ltd	Edenderry - ED1	118	71.2	14.7	14.1	--	83.2
	Edenderry – ED3	58	100.0	0.0	0.0	--	99.1
	Edenderry – ED5	58	100.0	0.0	0.0	--	99.9
Endesa Ireland	Great Island - GI1	54	100.0	0.0	0.0	--	97.5
	Great Island - GI2	54	90.7	9.3	0.0	--	89.6
	Great Island - GI3	109	99.4	0.6	0.0	--	94.8
	Rhode – RP1	52	100.0	0.0	0.0	--	100.0
	Rhode – RP2	52	100.0	0.0	0.0	--	99.8
	Tarbert – TB1	54	100.0	0.0	0.0	--	99.9
	Tarbert – TB2	54	100.0	0.0	0.0	--	99.6
	Tarbert – TB3	243	100.0	0.0	0.0	--	99.9
	Tarbert – TB4	243	100.0	0.0	0.0	--	94.0
	Tawnaghmore - TP1	52	100.0	0.0	0.0	--	97.3
	Tawnaghmore - TP3	52	100.0	0.0	0.0	--	98.6
ESB Power Generation	Aghada - AD1	258	100.0	0.0	0.0	0.0	98.6
	Aghada - AD2	432	75.3	8.3	16.1	0.3	95.3
	Aghada - AT1	90	99.9	0.0	0.0	0.1	97.2
	Aghada - AT2	90	99.9	0.0	0.0	0.1	85.7
	Aghada - AT4	90	99.9	0.0	0.0	0.1	88.9
	Ardnacrusha - AA1	21	98.6	0.2	1.2	--	96.4
	Ardnacrusha - AA2	22	100.0	0.0	0.0	--	96.8
	Ardnacrusha - AA3	19	90.3	9.7	0.0	--	95.9
	Ardnacrusha - AA4	24	98.6	1.4	0.0	--	94.8
	Erne - ER1	10	96.3	3.7	0.0	--	98.2
	Erne - ER2	10	99.5	0.5	0.0	--	93.4
	Erne - ER3	23	0.0	100.0	0.0	--	0.0
	Erne - ER4	23	100.0	0.0	0.0	--	96.2
	Lee - LE1	15	99.7	0.0	0.3	--	94.6
	Lee - LE2	4	99.7	0.3	0.0	--	94.2
	Lee - LE3	8	0.0	0.0	100.0	--	79.0
	Liffey - LI1	15	100.0	0.0	0.0	--	92.0
	Liffey - LI2	15	100.0	0.0	0.0	--	90.1
	Liffey - LI4	4	98.7	0.0	1.3	--	96.6
	Liffey - LI5	4	87.5	0.0	12.5	--	98.2
	Lough Ree Power - LR4	91	100.0	0.0	0.0	--	92.9
	Marina - MRC	123	76.4	23.6	0.0	0.0	70.0
	Moneypoint - MP1	285	99.1	0.9	0.0	0.0	94.9
	Moneypoint - MP2	285	95.9	4.1	0.0	0.0	96.1
	Moneypoint - MP3	285	99.1	0.0	0.9	0.0	94.3
	North Wall - NW5	108	78.7	17.8	0.0	3.5	81.1
	North Wall – NWC	154	0.0	100.0	0.0	0.0	0.0
	Poolbeg - PB4	158	86.4	0.0	10.7	2.9	94.9
	Poolbeg - PB5	154	99.1	0.0	0.0	0.9	82.5
	Poolbeg - PB6	182	91.6	0.0	5.7	2.7	85.3
	Turlough Hill - TH1	73	99.5	0.4	0.1	0.0	17.4
	Turlough Hill - TH2	73	93.5	4.8	1.6	0.0	28.4
	Turlough Hill - TH3	73	2.6	97.1	0.3	0.0	0.2
	Turlough Hill - TH4	73	42.9	33.1	24.1	0.0	4.4
	West Offaly Power - WO4	135	88.7	11.3	0.0	--	87.3
Indaver	Indaver – IW1	17	61.6	8.1	30.3	--	49.5
Synergen	Dublin Bay - DB1	405[1]	60.2	0.0	36.1	3.7	87.6
Tynagh Energy Ltd	Tynagh – TYC	404	86.5	6.5	1.0	6.0	74.1
Viridian Power & Energy	Huntstown - HN2	408	95.0	0.0	0.0	5.0	94.2
	Huntstown - HNC	344	93.9	0.0	0.0	6.1	96.1
System Total Average Availability			**87.3**	**6.5**	**4.3**	**1.9**	**85.5**

(1) Dublin Bay PMXMW changed to 405 MW from 415 MW on 2nd July 2012 in EDIL

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Upcoming Scheduled and Known Forced Outages

ISO Week Number		32	33	34	35	36	37	38	39	40	41	42	43
Beginning Monday		6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct	22-Oct
Station	Unit	August				September				October			
ACTIVATION ENERGY	AE1												
ARDNACRUSHA	AA1				S								
	AA2					S							
	AA3							S	S				
	AA4						S						
AGHADA	AD1												
	AD2												
	AT1												
	AT2												
	AT4												
DUBLIN BAY	DB1	S	S	S	S	S							
EDENDERRY	ED1	S	S										
	ED3												
	ED5												
ERNE	ER1												
	ER2												
	ER3	F	F	F	F								
	ER4							S					
GREAT ISLAND	GI1												
	GI2												
	GI3												
HUNTSTOWN	HN2												
	HNC												
INDAVER	IW1		S	S	S								
LEE	LE1												
	LE2												
	LE3	F											
LIFFEY	LI1	S											
	LI2	S											
	LI4	S											
	LI5	S	S	S	S	S	S	S	S	S			
LOUGH REE	LR4												
MONEYPOINT	MP1	S	S										
	MP2		S	S	S	S	S						
	MP3												
MARINA	MRC												
NORTH WALL	NW5												
POOLBEG	PB4												
	PB5							S					
	PB6												
RHODE	RP1						S						
	RP2						S						
SEAL ROCK	SK3												
	SK4												
TARBERT	TB1												
	TB2	X											
	TB3												
	TB4												
TURLOUGH HILL	TH1												
	TH2												
	TH3	F	F										
	TH4												
TAWNAGHMORE	TP1												
	TP3												
TYNAGH	TYC												
WEST OFFALY	WO4												
WHITEGATE	WG1							S					

Notes on 3-Month Outlook: S = Scheduled Outage F = Forced Outage

(1) Based on information available as of 9th August 2012. 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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