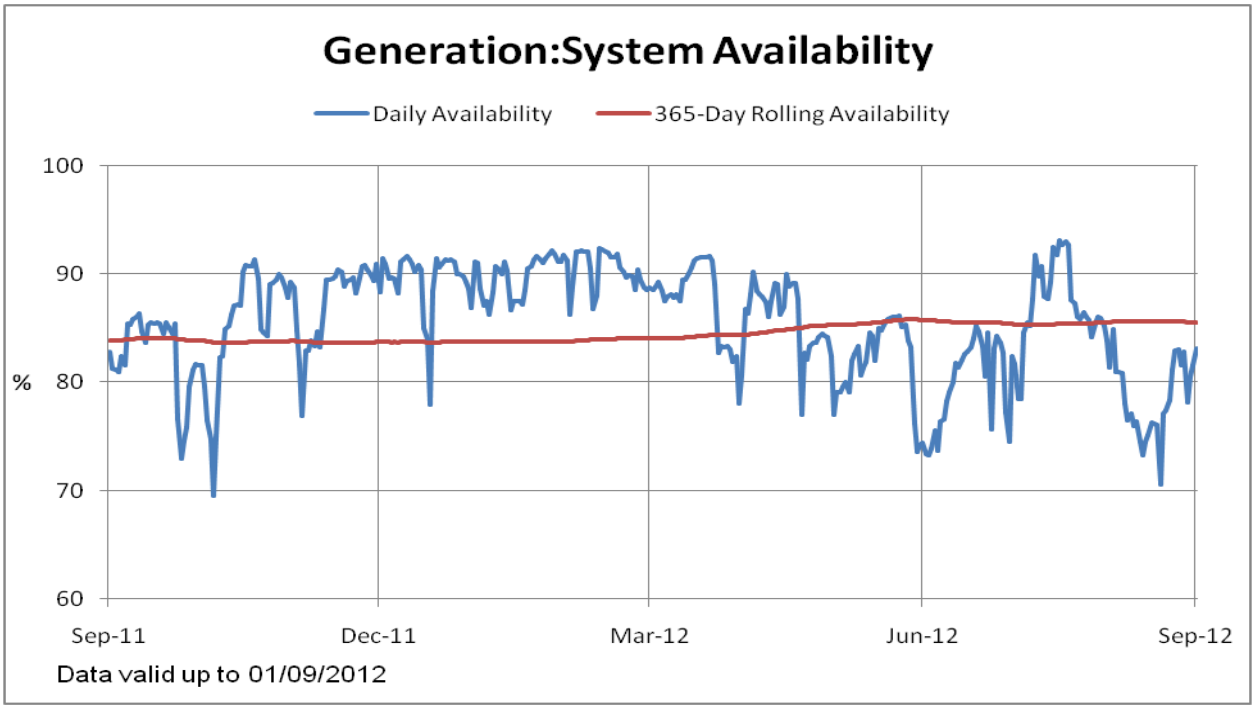
EirGrid Monthly Availability Report – August 2012

This report, for August 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 September to November 2012.

Key Points:

- The forced outage rate decreased from 6.5% in July to 6.1% in August.
- The monthly system availability decreased from 87.3% in July to 78.8% in August. The main scheduled outages in August were at Edenderry ED1, Aghada AD2, Indaver LE3, Liffey LI5 and Dublin Bay DB1. Turlough Hill TH3 was undergoing commissioning testing during the month. The main forced outages in August were at Aghada AD1, Erne ER3.
- The 365 day rolling availability remained at 85.5% in August, unchanged from July.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st August to 00:00 1st September 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 – August 2012

Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Activation Energy	AEDSU – AE1	12	94.3	5.8	0.0	--	80.2
Aughinish Alumina Ltd	Seal Rock - SK3	85	83.6	0.0	5.4	11.1	85.6
	Seal Rock - SK4	85	89.6	0.7	0.0	9.7	86.3
Bord Gáis	Whitegate – WG1	435	95.0	0.0	0.0	5.0	90.5
Edenderry Power Ltd	Edenderry - ED1	118	26.6	9.9	63.6	--	83.0
	Edenderry – ED3	58	100.0	0.0	0.0	--	99.6
	Edenderry – ED5	58	100.0	0.0	0.0	--	99.9
Endesa Ireland	Great Island - GI1	54	100.0	0.0	0.0	--	98.9
	Great Island - GI2	54	90.7	9.3	0.0	--	90.2
	Great Island - GI3	109	99.8	0.2	0.0	--	97.9
	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	--	99.9
	Tarbert – TB3	243	94.2	5.8	0.0	--	99.5
	Tarbert – TB4	243	100.0	0.0	0.0	--	94.0
	Tawnaghmore - TP1	52	98.3	1.7	0.0	--	97.1
	Tawnaghmore - TP3	52	99.8	0.2	0.0	--	98.6
ESB Power Generation	Aghada - AD1	258	84.5	14.3	1.2	0.0	97.3
	Aghada - AD2	432	93.2	4.1	0.7	2.0	94.8
	Aghada - AT1	90	99.7	0.0	0.0	0.3	97.2
	Aghada - AT2	90	99.7	0.0	0.0	0.3	85.7
	Aghada - AT4	90	99.7	0.0	0.0	0.3	88.9
	Ardnacrusha - AA1	21	68.8	5.4	25.7	--	93.8
	Ardnacrusha - AA2	22	84.1	6.6	9.3	--	95.4
	Ardnacrusha - AA3	19	75.1	12.9	12.0	--	93.8
	Ardnacrusha - AA4	24	85.9	3.9	10.2	--	93.9
	Erne - ER1	10	100.0	0.0	0.0	--	98.2
	Erne - ER2	10	100.0	0.0	0.0	--	96.3
	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	0.3	0.0	--	94.6
	Lee - LE2	4	100.0	0.0	0.0	--	94.3
	Lee - LE3	8	39.2	48.9	12.0	--	73.8
	Liffey - LI1	15	34.2	0.0	65.8	--	91.2
	Liffey - LI2	15	56.6	0.4	43.0	--	93.1
	Liffey - LI4	4	57.9	0.0	42.1	--	93.1
	Liffey - LI5	4	0.0	0.0	100.0	--	89.7
	Lough Ree Power - LR4	91	80.9	19.1	0.0	--	92.6
	Marina - MRC	123	76.4	23.6	0.0	0.0	70.2
	Moneypoint - MP1	285	48.4	0.1	51.5	0.0	91.4
	Moneypoint - MP2	285	30.0	2.5	67.6	0.0	90.2
	Moneypoint - MP3	285	100.0	0.0	0.0	0.0	97.3
	North Wall - NW5	108	97.1	0.1	0.0	2.8	86.0
	North Wall – NWC	154	0.0	100.0	0.0	0.0	0.0
	Poolbeg - PB4	158	92.9	3.1	0.0	4.0	95.1
	Poolbeg - PB5	154	98.4	0.0	0.0	1.6	90.8
	Poolbeg - PB6	182	95.1	1.7	0.0	3.2	90.2
	Turlough Hill - TH1	73	93.8	3.6	2.6	0.0	25.3
	Turlough Hill - TH2	73	91.6	5.2	3.2	0.0	36.2
	Turlough Hill - TH3	73	22.3	67.3	10.4	0.0	2.1
	Turlough Hill - TH4	73	88.9	10.1	1.0	0.0	12.0
	West Offaly Power - WO4	135	84.8	15.2	0.0	--	92.8
Indaver	Indaver – IW1	17	33.7	3.2	63.2	--	47.9
Synergen	Dublin Bay - DB1	405[1]	0.0	0.0	100.0	0.0	80.0
Tynagh Energy Ltd	Tynagh – TYC	404	92.3	0.0	0.0	7.7	74.0
Viridian Power & Energy	Huntstown - HN2	408	93.9	0.0	0.0	6.1	94.1
	Huntstown - HNC	344	92.9	0.0	0.0	7.1	96.1
System Total Average Availability			**78.8**	**6.1**	**12.9**	**2.2**	**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		36	37	38	39	40	41	42	43	44	45	46	47	48
Beginning Monday		3-Sep	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct	22-Oct	29-Oct	05-Nov	12-Nov	19-Nov	26-Nov
Station	Unit	September				October				November				
ACTIVATION ENERGY	AE1													
ARDNACRUSHA	AA1													
	AA2	S												
	AA3			S	S									
	AA4		S											
AGHADA	AD1													
	AD2													
	AT1													
	AT2													
	AT4													
DUBLIN BAY	DB1	S	S											
EDENDERRY	ED1													
	ED3													
	ED5													
ERNE	ER1													
	ER2					S								
	ER3	F	F	F	F				S					
	ER4													
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2													
	HNC													
INDAVER	IW1		S	S	S									
LEE	LE1													
	LE2													
	LE3													
LIFFEY	LI1													
	LI2													
	LI4													
	LI5	S	S	S	S	S								
LOUGH REE	LR4					S	S							
MONEYPOINT	MP1													
	MP2	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													
	TB3													
	TB4													
TURLOUGH HILL	TH1													
	TH2													
	TH3													
	TH4													
TAWNAGHMORE	TP1													
	TP3													
TYNAGH	TYC													
WEST OFFALY	WO4			S	S									
WHITEGATE	WG1						S							

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

(1) Based on information available as of 14th September 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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