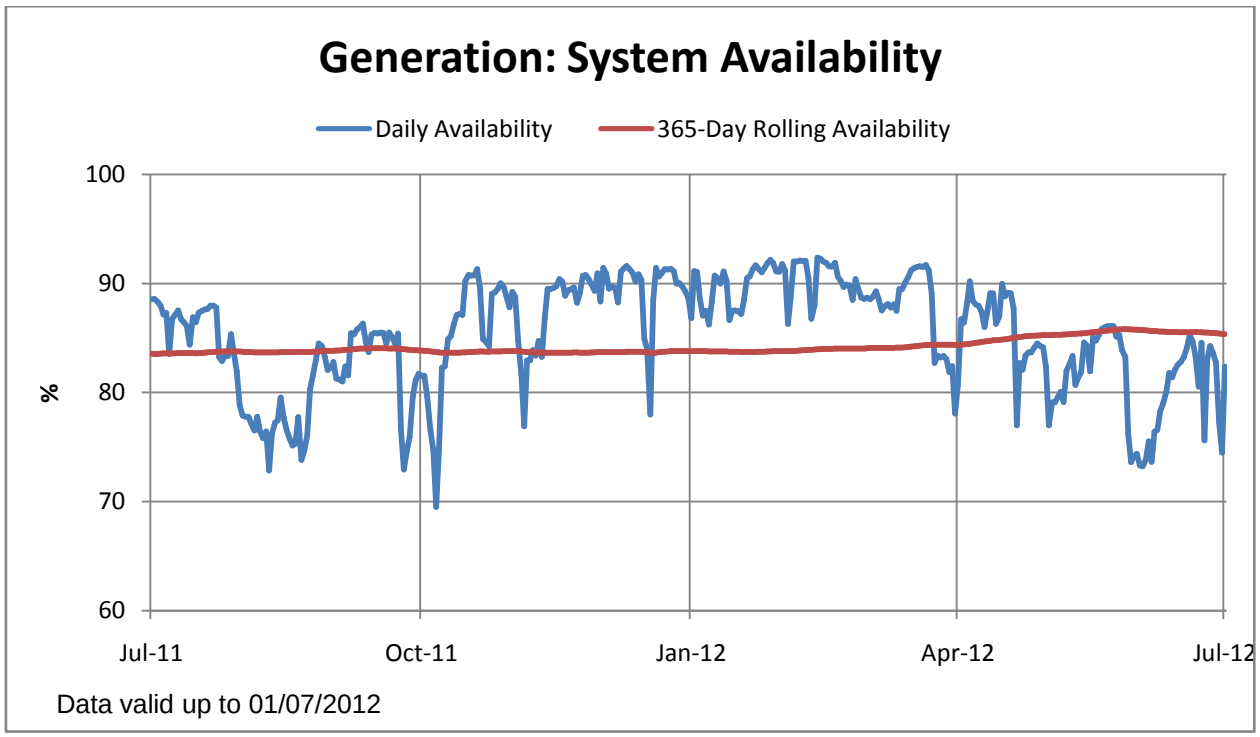
EirGrid Monthly Availability Report – June 2012

This report, for June 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 July to September 2012.

Key Points:

- The forced outage rate increased from 7.8% in May to 8.4% in June.
- The monthly system availability decreased from 82.1% in May to 79.7% in June. The main scheduled outages in May were at Ardnacrusha AA1, AA2 & AA3, Erne ER3, Moneypoint MP3, Lee LE3, Whitegate WG1 and Tynagh TYC. Indaver – IW1 is currently undergoing commissioning testing. The main forced outages in March were at North Wall NW5, Tynagh TYC and Turlough Hill 3 & 4.
- The 365 day rolling availability decreased from 85.7% in May to 85.3% in June.



Definitions

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

Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Activation Energy	AEDSU – AE1[1]	12	0.9	90.4	8.7	--	0.9
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.4	0.0	0.0	10.6	78.3
	Seal Rock - SK4	85	85.6	1.4	5.0	7.9	86.4
Bord Gáis	Whitegate – WG1	435	54.2	0.0	44.2	1.6	90.6
Edenderry Power Ltd	Edenderry - ED1	118	83.8	16.2	0.0	--	83.9
	Edenderry – ED3	58	94.5	4.3	1.3	--	99.1
	Edenderry – ED5	58	98.5	0.3	1.3	--	99.9
Endesa	Great Island - GI1	54	87.1	7.5	5.4	--	97.5
	Great Island - GI2	54	83.7	3.7	12.6	--	89.6
	Great Island - GI3	109	90.0	0.1	10.0	--	94.8
	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	--	99.9
	Tarbert – TB2	54	100.0	0.0	0.0	--	99.6
	Tarbert – TB3	243	100.0	0.0	0.0	--	100.0
	Tarbert – TB4	243	99.7	0.3	0.0	--	94.0
	Tawnaghmore - TP1	52	100.0	0.0	0.0	--	97.3
	Tawnaghmore - TP3	52	96.9	3.1	0.0	--	98.6
ESB Power Generation	Aghada - AD1	258	100.0	0.0	0.0	0.0	98.6
	Aghada - AD2	432	92.8	0.0	6.7	0.6	97.4
	Aghada - AT1	90	99.9	0.0	0.0	0.1	97.0
	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	74.5	2.6	23.0	--	96.5
	Ardnacrusha - AA2	22	76.1	0.6	23.3	--	96.8
	Ardnacrusha - AA3	19	77.5	7.9	14.6	--	96.7
	Ardnacrusha - AA4[2]	24	87.7	2.2	10.1	--	94.9
	Erne - ER1	10	99.9	0.1	0.0	--	98.5
	Erne - ER2	10	100.0	0.0	0.0	--	93.4
	Erne - ER3	23	0.0	68.3	31.7	--	0.0
	Erne - ER4	23	94.0	0.0	6.0	--	94.6
	Lee - LE1	15	100.0	0.0	0.0	--	94.6
	Lee - LE2	4	99.8	0.3	0.0	--	94.1
	Lee - LE3	8	0.0	0.0	100.0	--	81.4
	Liffey - LI1	15	99.0	0.0	1.0	--	92.0
	Liffey - LI2	15	99.1	0.0	0.9	--	90.1
	Liffey - LI4	4	98.9	0.0	1.1	--	96.7
	Liffey - LI5	4	100.0	0.0	0.0	--	99.2
	Lough Ree Power - LR4	91	97.9	2.1	0.0	--	92.9
	Marina - MRC	123	74.4	23.0	2.6	0.0	69.8
	Moneypoint - MP1	285	99.5	0.6	0.0	0.0	95.0
	Moneypoint - MP2	285	93.3	6.7	0.0	0.0	95.2
	Moneypoint - MP3	285	72.5	5.8	21.7	0.0	93.8
	North Wall - NW5	108	22.7	77.3	0.0	0.0	82.6
	North Wall – NWC	154	0.0	100.0	0.0	0.0	0.0
	Poolbeg - PB4	158	97.3	0.0	0.0	2.7	95.7
	Poolbeg - PB5	154	99.4	0.0	0.0	0.6	80.8
	Poolbeg - PB6	182	96.9	0.0	0.0	3.1	84.6
	Turlough Hill - TH1	73	92.7	0.4	6.9	0.0	8.9
	Turlough Hill - TH2	73	93.1	0.0	6.9	0.0	20.5
	Turlough Hill - TH3	73	0.0	100.0	0.0	0.0	0.0
	Turlough Hill - TH4	73	9.3	88.3	2.4	0.0	0.8
	West Offaly Power - WO4	135	96.5	3.5	0.0	--	79.8
Indaver	Indaver – IW1	17	64.8	6.5	28.7	--	48.0
Synergen	Dublin Bay - DB1	405	87.0	3.4	4.3	5.4	90.2
Tynagh Energy Ltd	Tynagh – TYC	404	0.5	49.9	49.6	0.0	74.7
Viridian Power & Energy	Huntstown - HN2	408	95.1	0.0	0.0	4.9	94.2
	Huntstown - HNC	344	94.5	0.0	0.0	5.5	96.0
System Total Average Availability			**79.7**	**10.4**	**8.4**	**1.5**	**85.3**

(1) Activation Energy Demand Side Unit received its Op Cert at 06:00 on 29th June 2012

(2) Availability declarations are in line with new commercial protocol procedure and may not reflect true mechanical availability of the unit.

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Upcoming Scheduled and Known Forced Outages

ISO Week Number		27	28	29	30	31	32	33	34	35	36	37	38	39
Beginning Monday		2-Jul	09-Jul	16-Jul	23-Jul	30-Jul	06-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep	24-Sep
Station	**Unit**	**July**				**August**					**September**			
ACTIVATION ENERGY	AE1													
ARDNACRUSHA	AA1									S				
	AA2													
	AA3											S		
	AA4													
AGHADA	AD1													
	AD2	S												
	AT1													
	AT2													
	AT4													
DUBLIN BAY	DB1				S	S	S	S	S	S				
EDENDERRY	ED1				S	S	S	S						
	ED3													
	ED5													
ERNE	ER1													
	ER2													
	ER3	F	F											
	ER4												S	
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2													
	HNC													
INDAVER	IW1							S	S	S				
LEE	LE1													
	LE2													
	LE3	S	S	S	S									
LIFFEY	LI1													
	LI2													
	LI4													
	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		S											
	PB5												S	
	PB6		S											
RHODE	RP1					S								
	RP2					S								
SEAL ROCK	SK3													
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4													
TURLOUGH HILL	TH1													
	TH2												S	
	TH3	F	F	F	F									
	TH4													
TAWNAGHMORE	TP1													
	TP3													
TYNAGH	TYC													
WEST OFFALY	WO4													
WHITEGATE	WG1												S	S

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

(1) Based on information available as of 7th July 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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