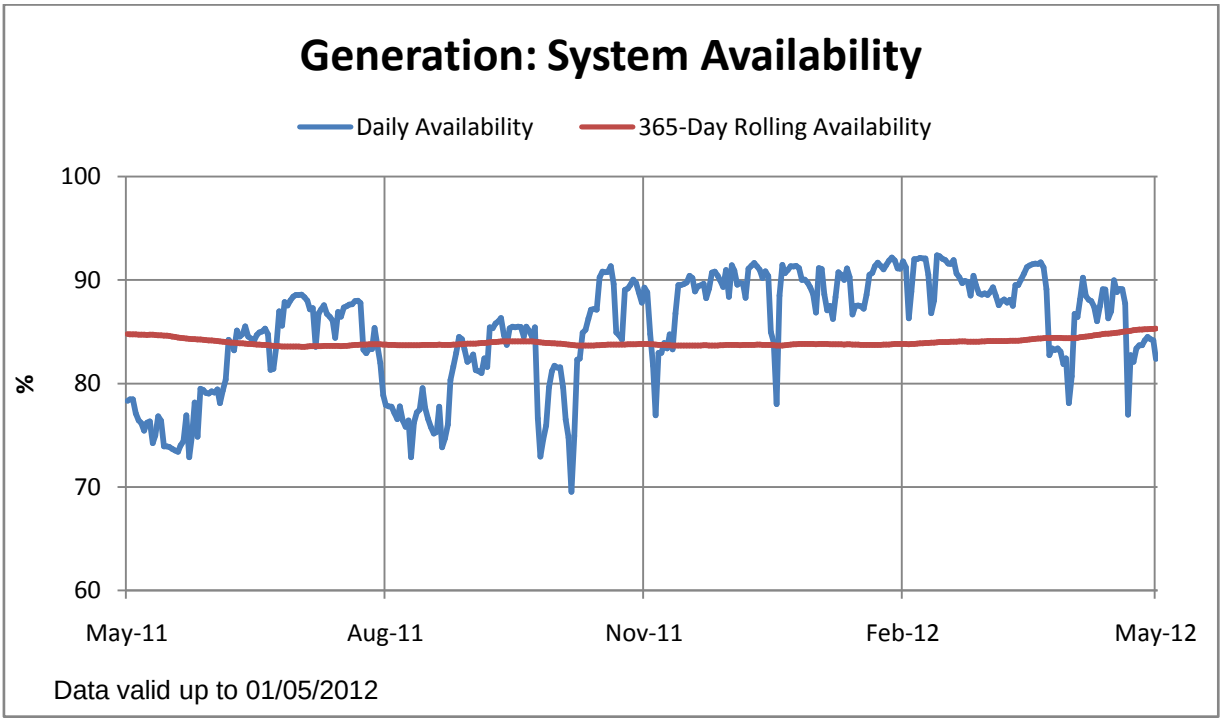
EirGrid Monthly Availability Report – April 2012

This report, for April 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 May to July 2012.

Key Points:

- The forced outage rate increased from 7.0% in March to 7.8% in April.
- The monthly system availability decreased from 87.7% in March to 86.2% in April. The main scheduled outages in March were at Erne ER3, Edenderry ED1, Aghada AT4, Lee LE2 and Tynagh TYC. The main forced outages in March were at Edenderry ED1, Aghada AT2, Liffey LI4 and at Turlough Hill station.
- The 365 day rolling availability increased from 84.3% in March to 85.2% in April.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st April to 00:00 1st May 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 – April 2012[1]

Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	85	83.6	0.8	9.5	6.1	77.9
	Seal Rock - SK4	85	88.3	1.4	5.4	4.9	85.9
Bord Gáis	Whitegate – WG1	435	94.6	0.0	2.5	2.9	94.8
Edenderry Power Ltd	Edenderry - ED1	118	68.4	11.2	20.4	0.0	84.5
	Edenderry – ED3	58	100.0	0.0	0.0	0.0	99.3
	Edenderry – ED5	58	100.0	0.0	0.0	0.0	99.8
Endesa	Great Island - GI1	54	100.0	0.0	0.0	0.0	98.5
	Great Island - GI2	54	90.7	9.3	0.0	0.0	90.2
	Great Island - GI3	109	100.0	0.0	0.0	0.0	95.6
	Rhode – RP1	52	100.0	0.0	0.0	0.0	98.8
	Rhode – RP2	52	100.0	0.0	0.0	0.0	98.7
	Tarbert – TB1	54	99.6	0.4	0.0	0.0	99.4
	Tarbert – TB2	54	99.5	0.5	0.0	0.0	99.6
	Tarbert – TB3	243	100.0	0.0	0.0	0.0	100.0
	Tarbert – TB4	243	100.0	0.0	0.0	0.0	94.0
	Tawnaghmore - TP1	52	100.0	0.0	0.0	0.0	97.2
	Tawnaghmore - TP3	52	100.0	0.0	0.0	0.0	98.7
ESB Power Generation	Aghada - AD1	258	99.8	0.2	0.0	0.0	99.2
	Aghada - AD2	432	99.8	0.0	0.0	0.2	97.8
	Aghada - AT1	90	96.6	1.8	1.6	0.0	97.1
	Aghada - AT2	90	67.5	32.6	0.0	0.0	85.7
	Aghada - AT4	90	30.0	0.0	70.0	0.0	94.0
	Ardnacrusha - AA1	21	100.0	0.0	0.0	0.0	98.5
	Ardnacrusha - AA2	22	100.0	0.0	0.0	0.0	98.7
	Ardnacrusha - AA3	19	100.0	0.0	0.0	0.0	95.1
	Ardnacrusha - AA4	24	89.4	10.6	0.0	0.0	95.7
	Erne - ER1	10	100.0	0.0	0.0	0.0	93.8
	Erne - ER2	10	100.0	0.0	0.0	0.0	93.4
	Erne - ER3	23	0.0	0.0	100.0	0.0	10.7
	Erne - ER4	23	100.0	0.0	0.0	0.0	95.1
	Lee - LE1	15	99.3	0.7	0.0	0.0	93.8
	Lee - LE2	4	48.8	3.3	47.9	0.0	88.4
	Lee - LE3	8	100.0	0.0	0.0	0.0	90.6
	Liffey - LI1	15	100.0	0.0	0.0	0.0	92.2
	Liffey - LI2	15	100.0	0.0	0.0	0.0	90.3
	Liffey - LI4	4	87.9	12.1	0.0	0.0	98.0
	Liffey - LI5	4	100.0	0.0	0.0	0.0	98.4
	Lough Ree Power - LR4	91	99.5	0.5	0.0	0.0	92.8
	Marina - MRC	123	76.4	23.6	0.0	0.0	68.9
	Moneypoint - MP1	285	99.5	0.0	0.5	0.0	96.1
	Moneypoint - MP2	285	99.5	0.6	0.0	0.0	96.6
	Moneypoint - MP3	285	100.0	0.0	0.0	0.0	96.1
	North Wall - NW5	108	97.2	2.8	0.0	0.0	88.3
	North Wall – NWC	154	0.0	100.0	0.0	0.0	0.0
	Poolbeg - PB4	158	99.3	0.0	0.0	0.7	85.4
	Poolbeg - PB5	154	92.8	0.3	6.9	0.0	79.9
	Poolbeg - PB6	182	93.5	0.0	3.5	3.0	70.8
	Turlough Hill - TH1	73	0.0	100.0	0.0	0.0	0.2
	Turlough Hill - TH2	73	4.9	95.1	0.0	0.0	5.5
	Turlough Hill - TH3	73	0.0	100.0	0.0	0.0	0.0
	Turlough Hill - TH4	73	0.0	100.0	0.0	0.0	0.0
	West Offaly Power - WO4	135	97.2	2.8	0.0	0.0	63.6
Synergen	Dublin Bay - DB1	415	91.1	0.3	2.9	5.7	90.7
Tynagh Energy Ltd	Tynagh – TYC	404	63.1	0.0	33.9	3.0	85.0
Viridian Power & Energy	Huntstown - HN2	408	92.9	0.0	4.8	2.3	94.2
	Huntstown - HNC	344	97.0	0.1	0.0	3.0	89.9
System Total Average Availability			**86.2**	**7.8**	**4.8**	**1.2**	**85.2**

1 Availability Figures corrected from previous version. Individual availability figures were unchanged, there was just a slight change in system figures.

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Upcoming Scheduled and Known Forced Outages

ISO Week Number		18	19	20	21	22	23	24	25	26	27	28	29	30
Beginning Monday		30-Apr	7-May	14-May	21-May	28-May	4-Jun	11-Jun	18-Jun	25-Jun	2-Jul	09-Jul	16-Jul	23-Jul
Station	Unit	May					June				July			
ARDNACRUSHA	AA1						S							
	AA2							S						
	AA3								S					
	AA4									S	S			
AGHADA	AD1													
	AD2													
	AT1													
	AT2													
	AT4	S	S											
DUBLIN BAY	DB1													S
EDENDERRY	ED1													S
	ED3													
	ED5													
ERNE	ER1													
	ER2													
	ER3	S	S	S	S	S								
	ER4				S									
GREAT ISLAND	GI1											S		
	GI2											S		
	GI3										S			
HUNTSTOWN	HN2													
	HNC													
INDAVER	IW1													
LEE	LE1		S	S	S									
	LE2													
	LE3					S	S	S	S	S	S	S	S	S
LIFFEY	LI1													
	LI2													
	LI4													
	LI5													
LOUGH REE	LR4													
MONEYPOINT	MP1													
	MP2													
	MP3													
MARINA	MRC													
NORTH WALL	NW5													
POOLBEG	PB4											S		
	PB5													
	PB6											S		
RHODE	RP1													
	RP2													
SEAL ROCK	SK3													
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4													
TURLOUGH HILL	TH1	F												
	TH2													
	TH3	F	F	F	F	F	F	F	F					
	TH4	F	F	F	F									
TAWNAGHMORE	TP1					S								
	TP3					S								
TYNAGH	TYC	S	S	S	S	S	S	S						
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 4th May 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)

(3) Indaver- Meath Waste to Energy (IW1) due to be available from 31st May onwards

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