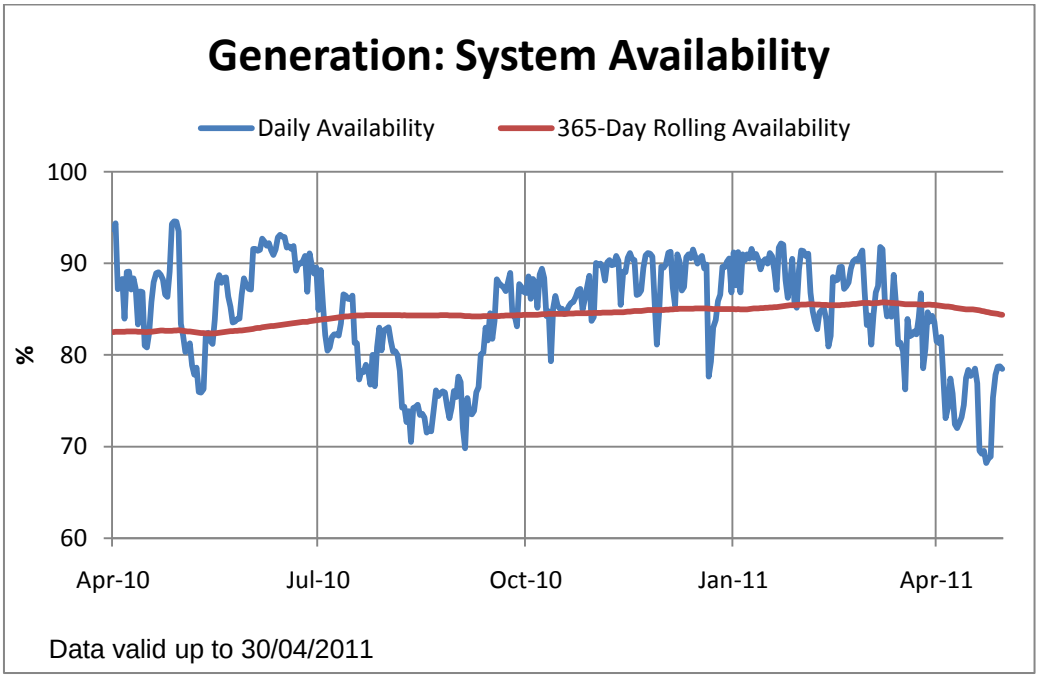
EirGrid Monthly Availability Report – April 2011

This report, for April 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 May to July 2011.

Key Points:

- The forced outage rate increased from 9.0% in March to 11.0% in April.
- The monthly system availability decreased from 84.0% in March to 75.3% in April. The main outages were the scheduled outages at Poolbeg PB4 & PB6, West Offaly WO4 and Huntstown HN2 and the forced outages at Erne ER4, Tynagh TYC and the long-term outages at North Wall NWC and Turlough Hill station.
- The rolling 365 day rolling availability decreased from 85.9% in March to 84.8% 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 2011

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	85	91.5	0.0	0.0	8.5	*90.9*
	Seal Rock - SK4	85	92.3	0.0	0.0	7.7	*81.4*
Bord Gáis	Whitegate – WG1	445	95.5	2.1	0.0	2.4	*93.3*
Edenderry Power Ltd	Edenderry - ED1	118	73.8	6.4	19.8	0.0	*73.1*
	Edenderry – ED3	58	95.7	0.0	4.3	0.0	*99.0***
	Edenderry – ED5	58	95.6	0.0	4.4	0.0	*99.2***
Endesa	Great Island - GI1	54	100.0	0.0	0.0	--	*98.1*
	Great Island - GI2	54	90.7	9.3	0.0	--	*89.7*
	Great Island - GI3	109	100.0	0.0	0.0	--	*96.1*
	Rhode – RP1	52	100.0	0.0	0.0	--	*94.5*
	Rhode – RP2	52	100.0	0.0	0.0	--	*93.9*
	Tarbert – TB1	54	100.0	0.0	0.0	--	*99.9*
	Tarbert – TB2	54	100.0	0.0	0.0	--	*96.8*
	Tarbert – TB3	243	99.8	0.2	0.0	--	*97.4*
	Tarbert – TB4	243	99.8	0.2	0.0	--	*97.0*
	Tawnaghmore - TP1	52	100.0	0.0	0.0	--	*97.4*
	Tawnaghmore - TP3	52	100.0	0.0	0.0	--	*98.2*
ESB Power Generation	Aghada - AD1	258	100.0	0.0	0.0	0.0	*89.2*
	Aghada - AD2	432	99.8	0.2	0.0	0.0	*94.8*
	Aghada - AT1	90	100.0	0.0	0.0	0.0	*99.4*
	Aghada - AT2	90	100.0	0.0	0.0	0.0	*97.6*
	Aghada - AT4	90	100.0	0.0	0.0	0.0	*99.6*
	Ardnacrusha - AA1	21	100.0	0.0	0.0	--	*94.7*
	Ardnacrusha - AA2	22	100.0	0.0	0.0	--	*98.7*
	Ardnacrusha - AA3	19	100.0	0.0	0.0	--	*94.1*
	Ardnacrusha - AA4	24	100.0	0.0	0.0	--	*92.6*
	Erne - ER1	10	74.9	9.6	15.5	--	*96.3*
	Erne - ER2	10	100.0	0.0	0.0	--	*84.6*
	Erne - ER3	23	100.0	0.0	0.0	--	*99.3*
	Erne - ER4	23	8.8	91.2	0.0	--	*0.7*
	Lee - LE1	15	100.0	0.0	0.0	--	*92.6*
	Lee - LE2	4	100.0	0.0	0.0	--	*93.0*
	Lee - LE3	8	100.0	0.0	0.0	--	*92.1*
	Liffey - LI1	15	100.0	0.0	0.0	--	*98.3*
	Liffey - LI2	15	100.0	0.0	0.0	--	*97.6*
	Liffey - LI4	4	100.0	0.0	0.0	--	*79.9*
	Liffey - LI5	4	100.0	0.0	0.0	--	*97.9*
	Lough Ree Power - LR4	91	98.9	1.1	0.0	--	*61.6*
	Marina - MRC	123	74.0	26.0	0.0	0.0	*69.0*
	Moneypoint - MP1	285	79.1	2.1	18.8	--	*85.6*
	Moneypoint - MP2	285	76.7	3.3	20.0	--	*93.0*
	Moneypoint - MP3	285	99.6	0.4	0.0	--	*95.8*
	North Wall - NW5	108	96.2	0.1	0.0	3.7	*94.0*
	North Wall - NWC	154	0.0	100.0	0.0	0.0	*24.4*
	Poolbeg - PB4	158	23.4	0.0	68.8	7.8	*85.2*
	Poolbeg - PB5	154	94.4	0.7	0.3	4.5	*93.8*
	Poolbeg - PB6	182	23.8	0.0	69.8	6.4	*83.4*
	Turlough Hill - TH1	73	0.0	100.0	0.0	--	*17.4*
	Turlough Hill - TH2	73	0.0	100.0	0.0	--	*0.0*
	Turlough Hill - TH3	73	0.0	0.0	100.0***	--	*17.5*
	Turlough Hill - TH4	73	0.0	0.0	100.0***	--	*15.9*
	West Offaly Power - WO4	135	0.0	0.0	100.0	0.0	*86.2*
Synergen	Dublin Bay - DB1	415	94.8	0.1	0.0	5.1	*89.8*
Tynagh Energy Ltd	Tynagh – TYC	404	8.8	90.6	0.0	0.6	*78.3*
Viridian Power & Energy	Huntstown - HN2	408	55.3	0.3	42.6	1.8	*90.7*
	Huntstown - HNC	344	96.3	0.0	0.0	3.7	*88.6*
System Total Average Availability			**75.3**	***11.1***	***12.1***	***1.5***	**84.8**

* 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		18	19	20	21	22	23	24	25	26	27	28	29	30
Beginning Monday		02-May	09-May	16-May	23-May	30-May	06-Jun	13-Jun	20-Jun	27-Jun	04-Jul	11-Jul	18-Jul	25-Jul
Station	**Unit**	**May**				**June**					**July**			
ARDNACRUSHA	AA1				S									
	AA2					S								
	AA3						S	S						
	AA4								S					
AGHADA	AD1							S	S					
	AD2													
	AT1													
	AT2													
	AT4													
DUBLINBAY	DB1													
EDENDERRY	ED1													
	ED3													
	ED5													
ERNE	ER1	S	S											
	ER2													
	ER3					S	S	S	S	S	S	S	S	S
	ER4	F	F	F										
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2													
	HNC			F										
LEE	LE1					S	S	S						
	LE2	S	S	S										
	LE3										S	S	S	
LIFFEY	LI1													
	LI2											S	S	S
	LI4													
	LI5													
LOUGH REE	LR4								S					
MONEYPOINT	MP1													
	MP2													
	MP3										S	S		
MARINA	MRC													
NORTH WALL	NW5	F	F											
	NWC	F	F	F	F	F	F	F	F	F	F	F	F	F
POOLBEG	PB4	S	S	S	S	S	S							
	PB5													S
	PB6	S	S	S	S	S	S							
RHODE	RP1											S		
	RP2												S	
SEAL ROCK	SK3													
	SK4													
TARBERT	TB1											S		
	TB2													
	TB3													
	TB4													
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	S	S	S
	TH4	S	S	S	S	S	S	S	S	S	S	S	S	S
TAWNAGHMORE	TP1						S							
	TP3							S						
TYNAGH	TYC	F	F											
WEST OFFALY	WO4	S	S	S	S	S	S	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 4th May, 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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