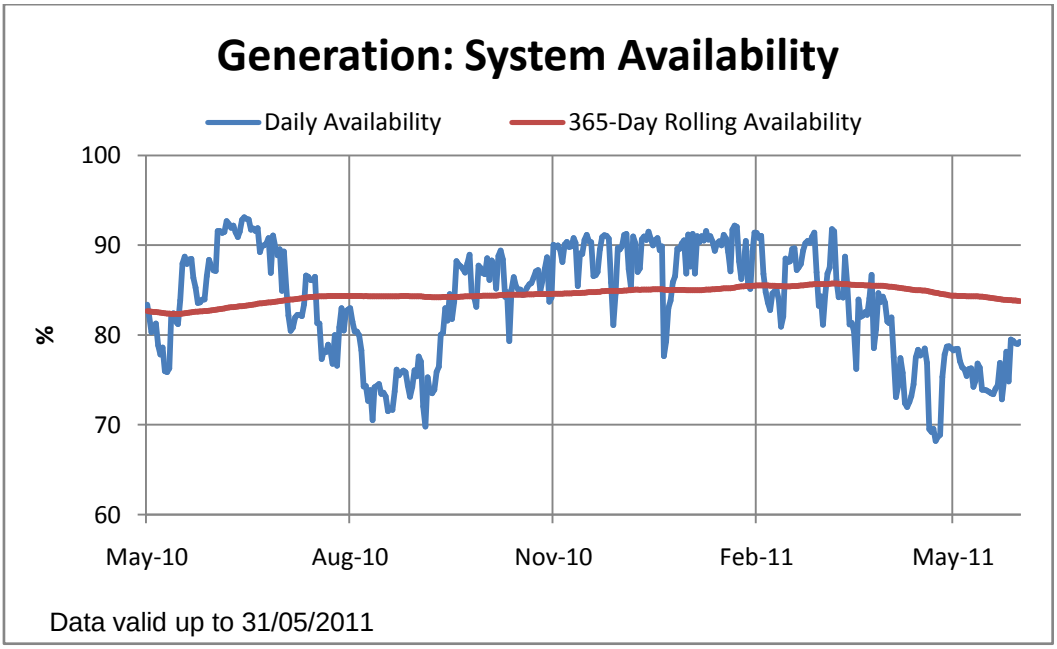
EirGrid Monthly Availability Report – May 2011

This report, for May 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 June to August 2011.

Key Points:

- The forced outage rate increased from 11.0% in April to 13.2% in May.
- The monthly system availability increased from 75.3% in April to 76.1% in May. The main scheduled outages were at Poolbeg PB4 & PB6, West Offaly WO4, Erne ER1 and Lee LE3. The main forced outages were at Huntstown HNC, Tynagh TYC, North Wall NW5. There are also long-term outages at North Wall NWC and Turlough Hill station.
- The rolling 365 day rolling availability decreased from 84.8% in April to 84.1% in May.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st May to 00:00 1st June 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 - May 2011

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	85	85.7	1.1	5.7	7.4	*90.2*
	Seal Rock - SK4	85	86.2	0.5	6.1	7.2	*81.4*
Bord Gáis	Whitegate – WG1	445	96.9	0.2	0.0	2.9	*93.9*
Edenderry Power Ltd	Edenderry - ED1	118	93.3	6.7	0.0	0.0	*73.3*
	Edenderry – ED3	58	97.4	0.1	2.5	0.0	*98.8***
	Edenderry – ED5	58	97.5	0.0	2.5	0.0	*99.0***
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	--	*96.2*
	Rhode – RP1	52	99.9	0.1	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	100.0	0.0	0.0	--	*97.5*
	Tarbert – TB4	243	100.0	0.0	0.0	--	*97.0*
	Tawnaghmore - TP1	52	100.0	0.0	0.0	--	*97.5*
	Tawnaghmore - TP3	52	100.0	0.0	0.0	--	*98.4*
ESB Power Generation	Aghada - AD1	258	99.4	0.6	0.0	0.0	*89.5*
	Aghada - AD2	432	94.4	5.6	0.0	0.0	*95.7*
	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	85.9	0.0	14.1	--	93.7
	Ardnacrusha - AA2	22	94.6	0.0	5.4	--	98.2
	Ardnacrusha - AA3	19	100.0	0.0	0.0	--	94.1
	Ardnacrusha - AA4	24	99.9	0.1	0.0	--	99.4
	Erne - ER1	10	40.0	15.0	45.0	--	*91.4*
	Erne - ER2	10	99.8	0.2	0.0	--	*84.6*
	Erne - ER3	23	100.0	0.0	0.0	--	*99.5*
	Erne - ER4	23	89.1	3.9	7.0	--	*8.3*
	Lee - LE1	15	94.4	0.0	5.6	--	*92.1*
	Lee - LE2	4	31.9	5.8	62.3	--	*92.8*
	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	95.6	4.4	0.0	--	*69.7*
	Marina - MRC	123	73.8	26.2	0.0	0.0	*70.4*
	Moneypoint - MP1	285	100.0	0.0	0.0	--	*85.7*
	Moneypoint - MP2	285	99.2	0.8	0.0	--	*94.3*
	Moneypoint - MP3	285	99.9	0.1	0.0	--	*95.8*
	North Wall - NW5	108	69.3	28.0	0.0	2.7	*91.7*
	North Wall - NWC	154	0.0	100.0	0.0	0.0	*16.8*
	Poolbeg - PB4	158	0.0	0.0	92.4	7.6	*77.5*
	Poolbeg - PB5	154	94.5	1.7	0.0	3.8	*93.7*
	Poolbeg - PB6	182	0.0	0.0	94.0	6.0	*75.9*
	Turlough Hill - TH1	73	0.0	100.0	0.0	--	*8.9*
	Turlough Hill - TH2	73	0.0	100.0	0.0	--	*0.0*
	Turlough Hill - TH3	73	0.0	0.0	100.0***	--	*9.1*
	Turlough Hill - TH4	73	0.0	0.0	100.0***	--	*9.1*
	West Offaly Power - WO4	135	0.0	0.0	100.0	0.0	*77.7*
Synergen	Dublin Bay - DB1	415	93.1	0.9	0.0	5.9	*89.6*
Tynagh Energy Ltd	Tynagh – TYC	404	28.6	69.8	0.0	1.6	*76.7*
Viridian Power & Energy	Huntstown - HN2	408	95.9	0.0	0.0	4.1	*90.6*
	Huntstown - HNC	344	39.2	58.8	0.1	1.9	*90.9*
System Total Average Availability			**76.1**	***13.2***	***9.1***	***1.6***	**84.1**

* 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		22	23	24	25	26	27	28	29	30	31	32	33	34
Beginning Monday		30-May	06-Jun	13-Jun	20-Jun	27-Jun	04-Jul	11-Jul	18-Jul	25-Jul	01-Aug	08-Aug	15-Aug	22-Aug
Station	**Unit**	**June**					**July**				**August**			
ARDNACRUSHA	AA1													
	AA2	S												
	AA3		S	S	S									
	AA4					S								
AGHADA	AD1													
	AD2													
	AT1													
	AT2													
	AT4													S
DUBLINBAY	DB1													
EDENDERRY	ED1										S	S	S	
	ED3													
	ED5													
ERNE	ER1													
	ER2													S
	ER3			S	S	S	S	S	S	S	S	S	S	S
	ER4	F												
GREAT ISLAND	GI1										S			
	GI2											S		
	GI3												S	
HUNTSTOWN	HN2													
	HNC	F												
LEE	LE1	S	S	S										
	LE2						S	S	S					
	LE3										S	S	S	
LIFFEY	LI1												S	
	LI2							S	S	S	S	S		
	LI4													
	LI5			S										
LOUGH REE	LR4													
MONEYPOINT	MP1													
	MP2													
	MP3										S	S		
MARINA	MRC													
NORTH WALL	NW5												S	S
	NWC	F	F	F	F	F	F	F	F	F	F	F	F	F
POOLBEG	PB4	S	S											
	PB5									S	S	S	S	S
	PB6	S	S											
RHODE	RP1							S						
	RP2								S					
SEAL ROCK	SK3										S	S	S	S
	SK4													
TARBERT	TB1													
	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													
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 1st June, 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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