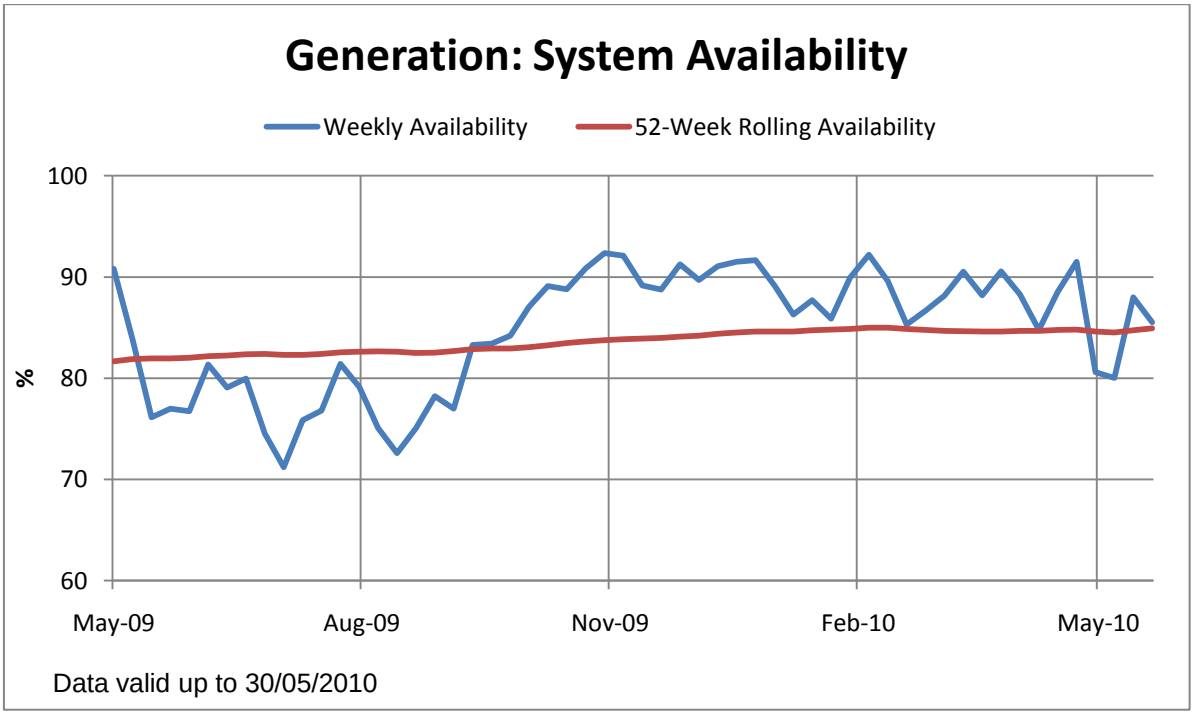
EirGrid Monthly Availability Report – May 2010

This report, for May 2010, 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 2010.

Key Points:

- The forced outage rate increased from 2.9% in April to 4.2% in May.
- The monthly system availability decreased from 89.1% in April to 83.5% in May. The main outages were the scheduled outages at Turlough Hill U2, Lough Ree LR4, Tynagh TYC and Huntstown U2 and the forced outages at Aghada AD2, Moneypoint U2, Marina and Turlough Hill U4.
- The rolling 52-week availability increased from 84.8% in April to 84.9% in May.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 02nd May to 00:00 Sunday 30th 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.

52-week Rolling Availability: the average of the unit's **Availability** over the most recent 52 weeks (i.e., past year)

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Unit-by-Unit Average Monthly Availability - May 2010

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	98.9	*0.0*	*0.0*	*1.1*	*89.5*
	Seal Rock - SK4	80	96.9	*0.0*	*0.0*	*3.1*	*95.3*
Edenderry Power Ltd	Edenderry - ED1	118	92.0	*8.0*	*0.0*	*0.0*	*79.0*
Endesa	Great Island - GI1	54	99.8	*0.2*	*0.0*	--	*96.1*
	Great Island - GI2	54	91.2	*8.8*	*0.0*	--	*86.9*
	Great Island - GI3	109	98.5	*1.5*	*0.0*	--	*88.7*
	Rhode – RP1	52	99.8	*0.2*	*0.0*	--	*97.9*
	Rhode – RP2	52	99.8	*0.2*	*0.0*	--	*97.8*
	Tarbert – TB1	54	100.0	*0.0*	*0.0*	--	*95.7*
	Tarbert – TB2	54	99.8	*0.2*	*0.0*	--	*96.0*
	Tarbert – TB3	243	99.0	*1.0*	*0.0*	--	*95.4*
	Tarbert – TB4	243	100.0	*0.0*	*0.0*	--	*97.8*
	Tawnaghmore - TP1	52	99.4	*0.6*	*0.0*	--	*98.0*
	Tawnaghmore - TP3	52	99.7	*0.3*	*0.0*	--	*99.0*
ESB Power Generation	Ardnacrusha - AA1	21	100.0	*0.0*	*0.0*	--	*99.7*
	Ardnacrusha - AA2	22	99.9	*0.1*	*0.0*	--	*85.8*
	Ardnacrusha - AA3	19	100.0	*0.0*	*0.0*	--	*96.5*
	Ardnacrusha - AA4	24	15.0	*85.0*	*0.0*	--	*92.8*
	Aghada - AD1	257	97.3	*2.7*	*0.0*	*0.0*	*92.1*
	Aghada - AD2	442	82.4	*17.0*	*0.6*	*0.0*	-
	Aghada - AT1	90	100.0	*0.0*	*0.0*	*0.0*	*78.2*
	Aghada - AT2	90	100.0	*0.0*	*0.0*	*0.0*	*98.6*
	Aghada - AT4	90	99.8	*0.2*	*0.0*	*0.0*	*97.6*
	Erne - ER1	10	97.5	*2.5*	*0.0*	--	*97.6*
	Erne - ER2	10	100.0	*0.0*	*0.0*	--	*99.6*
	Erne - ER3	23	99.9	*0.1*	*0.0*	--	*95.6*
	Erne - ER4	23	0.0	*0.0*	*100.0*	--	*77.1*
	Lee - LE1	15	100.0	*0.0*	*0.0*	--	*86.6*
	Lee - LE2	4	27.4	*2.5*	*70.1*	--	*94.2*
	Lee - LE3	8	100.0	*0.0*	*0.0*	--	*95.8*
	Liffey - LI1	15	100.0	*0.0*	*0.0*	--	*86.7*
	Liffey - LI2	15	100.0	*0.0*	*0.0*	--	*72.5*
	Liffey - LI4	4	100.0	*0.0*	*0.0*	--	*89.8*
	Liffey - LI5	4	100.0	*0.0*	*0.0*	--	*85.2*
	Lough Ree Power - LR4	90	0.0	*0.0*	*100.0*	--	*82.9*
	Moneypoint - MP1	285	99.4	*0.6*	*0.0*	--	*89.9*
	Moneypoint - MP2	285	82.5	*17.5*	*0.0*	--	*92.6*
	Moneypoint - MP3	285	98.9	*1.1*	*0.0*	--	*82.8*
	Marina - MRC	123	56.7	*43.3*	*0.0*	*0.0*	*65.8*
	North Wall - NWC	154	89.8	*10.2*	*0.0*	*0.0*	*75.3*
	North Wall - NW5	109	95.5	*0.0*	*0.0*	*4.5*	*95.1*
	Poolbeg - PB4	154	91.5	*0.0*	*7.4*	*1.1*	*94.6*
	Poolbeg - PB5	150	97.8	*0.0*	*0.0*	*2.2*	*94.9*
	Poolbeg - PB6	173	93.0	*0.1*	*6.1*	*0.9*	*93.2*
	Turlough Hill - TH1	73	99.1	*0.5*	*0.4*	--	*99.3*
	Turlough Hill - TH2	73	0.0	*0.0*	*100.0*	--	*71.7*
	Turlough Hill - TH3	73	98.2	*1.5*	*0.3*	--	*99.2*
	Turlough Hill - TH4	73	79.0	*20.7*	*0.4*	--	*96.1*
	West Offaly Power - WO4	137	99.6	*0.4*	*0.0*	--	*73.8*
Synergen	Dublin Bay - DB1	415	96.1	*0.0*	*0.0*	*3.9*	*77.2*
Tynagh Energy Ltd	Tynagh – TYC	400	46.4	*0.2*	*52.0*	*1.4*	*77.7*
Viridian Power & Energy	Huntstown - HNC	344	9.8	*0.0*	*90.1*	*0.2*	*91.2*
	Huntstown - HN2	408	97.6	*0.0*	*0.0*	*2.4*	*88.0*
System Total Average Availability			**83.5**	***4.2***	***11.5***	***0.8***	**84.9**

* Exported MW values as per Generation Adequacy Report **2008-2014**. Note some of the availability statistics are currently based on generated MW values which may give rise to some very small variances.

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3-Month Outlook for Generation Scheduled and Known Forced Outages

ISO Week Number		22	23	24	25	26	27	28	29	30	31	32	33	34
Beginning Monday		31-May	7-Jun	14-Jun	21-Jun	28-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug
Station	**Unit**	**June**				**July**					**August**			
ARDNACRUSHA	AA1	S	S	S					S	S				
	AA2								S	S				
	AA3				S	S	S		S	S				
	AA4								S	S				
AGHADA	AD1								S	S	S	S		
	AD2													
	AT1													
	AT2													
	AT4													
DUBLINBAY	DB1													
EDENDERRY	ED1						S	S	S	S	S	S	S	S
ERNE	ER1		S											
	ER2			S										
	ER3	S												
	ER4	S	S	S	S	S	S	S	S	S	S	S	S	S
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2													
	HNC	S												
LEE	LE1	S	S	S										
	LE2													
	LE3													S
LIFFEY	LI1													
	LI2													
	LI4													
	LI5				S									
LOUGH REE	LR4	S	S	S	S	S	S	S	S	S	S	S	S	S
MONEYPOINT	MP1											S	S	S
	MP2													S
	MP3						S							
MARINA	MRC													
NORTH WALL	NW5													
	NWC													S
POOLBEG	PB4													
	PB5													
	PB6													
RHODE	RP1												S	S
	RP2									S	S	S		
SEAL ROCK	SK3													
	SK4										S	S	S	S
TARBERT	TB1													
	TB2													
	TB3								S					
	TB4													
TURLOUGH HILL	TH1						S	S	S	S				
	TH2	S	S	S	S	S	S	S	S	S	S	S	S	S
	TH3						S	S	S	S				
	TH4						S	S	S	S				
TAWNAGHMORE	TP1		S											
	TP3	S												
TYNAGH	TYC													
WEST OFFALY	WO4													

S = Scheduled Outage F = Forced Outage

Notes on 3-Month Outlook:

(1) Based on information available as of 3rd June 3-month Outlook is indicative only and subject to change. Includes only Forced Outages known at time of publication.

(2) Some outages of less than 6 days duration are not shown on this outlook (e.g., a weekend outage)

(3) Poolbeg U1, U2 and U3 have been removed from the overview since their decommissioning.

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