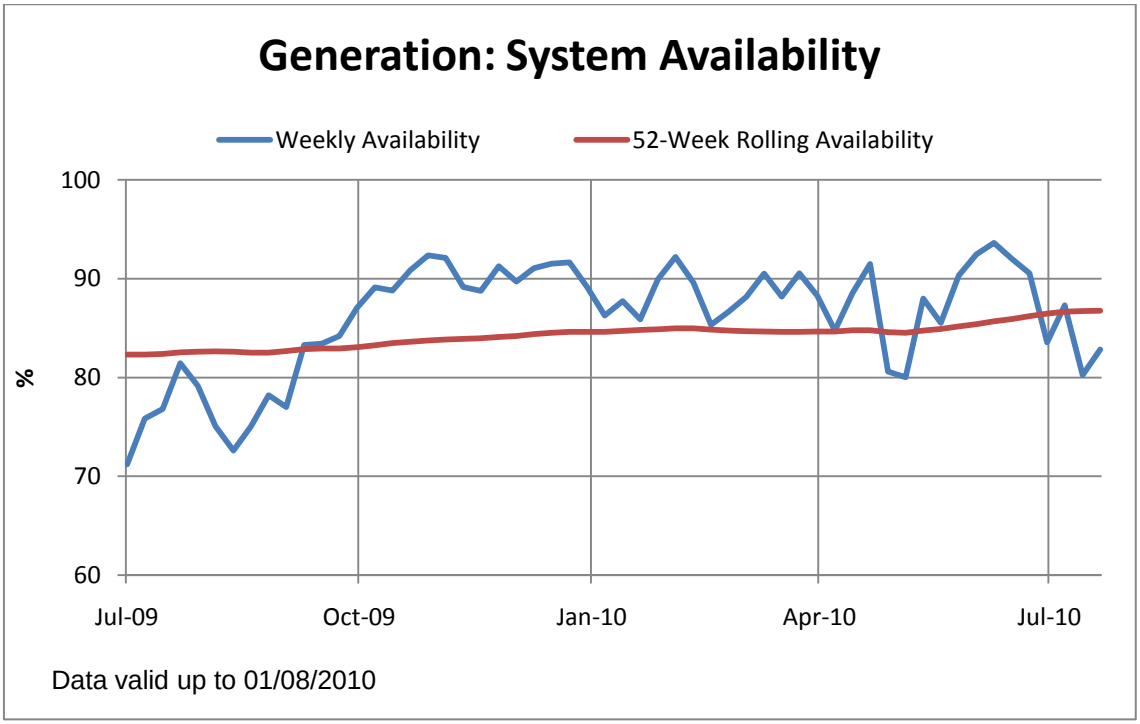
EirGrid Monthly Availability Report – July 2010

This report, for July 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 August to October 2010.

Key Points:

- The forced outage rate increased from 1.5% in June to 1.9% in July.
- The monthly system availability decreased from 92.1% in June to 84.9% in July. The main outages were the scheduled outages at Turlough Hill (station outage), Lough Ree LR4, Edenderry ED1, Aghada AD1, Ardnacrusha AA3 and Erne ER4 and the forced outage at Marina MRC.
- The rolling 52-week availability increased from 85.9% in June to 86.8% in July.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 27th June to 00:00 Sunday 1st August 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 - July 2010

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	87.9	*0.7*	*8.4*	*3.0*	*89.0*
	Seal Rock - SK4	80	90.1	*0.1*	*5.9*	*3.9*	*94.4*
Edenderry Power Ltd	Edenderry - ED1	118	12.1	*3.5*	*84.4*	*0.0*	*74.1*
Endesa	Great Island - GI1	54	100.0	*0.0*	*0.0*	--	*96.8*
	Great Island - GI2	54	91.2	*8.8*	*0.0*	--	*86.0*
	Great Island - GI3	109	100.0	*0.0*	*0.0*	--	*96.4*
	Rhode – RP1	52	93.1	*6.9*	*0.0*	--	*97.3*
	Rhode – RP2	52	93.1	*6.9*	*0.0*	--	*97.2*
	Tarbert – TB1	54	100.0	*0.0*	*0.0*	--	*99.6*
	Tarbert – TB2	54	90.6	*0.0*	*9.4*	--	*99.7*
	Tarbert – TB3	243	99.2	*0.8*	*0.0*	--	*99.1*
	Tarbert – TB4	243	84.6	*0.0*	*15.4*	--	*98.2*
	Tawnaghmore - TP1	52	100.0	*0.0*	*0.0*	--	*98.4*
	Tawnaghmore - TP3	52	100.0	*0.0*	*0.0*	--	*98.5*
ESB Power Generation	Ardnacrusha - AA1	21	99.7	*0.0*	*0.3*	--	*95.0*
	Ardnacrusha - AA2	22	100.0	*0.0*	*0.0*	--	*87.3*
	Ardnacrusha - AA3	19	66.7	*0.0*	*33.3*	--	*92.6*
	Ardnacrusha - AA4	24	100.0	*0.0*	*0.0*	--	*92.5*
	Aghada - AD1	257	57.1	*0.0*	*42.9*	*0.0*	*90.1*
	Aghada - AD2	442	93.8	*5.8*	*0.0*	*0.4*	-
	Aghada - AT1	90	100.0	*0.0*	*0.0*	*0.0*	*95.4*
	Aghada - AT2	90	99.7	*0.3*	*0.0*	*0.0*	*98.6*
	Aghada - AT4	90	97.3	*2.7*	*0.0*	*0.0*	*97.3*
	Erne - ER1	10	100.0	*0.0*	*0.0*	--	*96.8*
	Erne - ER2	10	92.1	*7.9*	*0.0*	--	*97.9*
	Erne - ER3	23	99.7	*0.3*	*0.0*	--	*99.4*
	Erne - ER4	23	0.0	*0.0*	*100.0*	--	*59.8*
	Lee - LE1	15	97.6	*2.4*	*0.0*	--	*88.9*
	Lee - LE2	4	99.8	*0.2*	*0.0*	--	*93.8*
	Lee - LE3	8	87.9	*12.1*	*0.0*	--	*98.6*
	Liffey - LI1	15	100.0	*0.0*	*0.0*	--	*86.7*
	Liffey - LI2	15	99.5	*0.5*	*0.0*	--	*72.4*
	Liffey - LI4	4	100.0	*0.0*	*0.0*	--	*89.8*
	Liffey - LI5	4	100.0	*0.0*	*0.0*	--	*92.5*
	Lough Ree Power - LR4	90	0.0	*0.0*	*100.0*	--	*66.3*
	Moneypoint - MP1	285	99.4	*0.6*	*0.0*	--	*91.8*
	Moneypoint - MP2	285	100.0	*0.0*	*0.0*	--	*91.8*
	Moneypoint - MP3	285	75.4	*0.3*	*24.3*	--	*94.3*
	Marina - MRC	123	67.7	*32.3*	*0.0*	*0.0*	*63.8*
	North Wall - NWC	154	95.2	*1.8*	*0.0*	*3.0*	*88.2*
	North Wall - NW5	109	95.5	*0.0*	*0.0*	*4.5*	*95.1*
	Poolbeg - PB4	154	97.0	*0.4*	*0.0*	*2.7*	*95.1*
	Poolbeg - PB5	150	92.3	*4.2*	*0.0*	*3.5*	*94.8*
	Poolbeg - PB6	173	95.7	*3.0*	*0.6*	*0.6*	*92.9*
	Turlough Hill - TH1	73	21.1	*0.0*	*78.9*	--	*93.4*
	Turlough Hill - TH2	73	0.0	*0.0*	*100.0*	--	*57.1*
	Turlough Hill - TH3	73	21.1	*0.0*	*78.9*	--	*93.7*
	Turlough Hill - TH4	73	21.1	*0.0*	*78.9*	--	*92.1*
	West Offaly Power - WO4	137	97.3	*2.7*	*0.0*	--	*74.2*
Synergen	Dublin Bay - DB1	415	93.0	*0.0*	*0.0*	*7.0*	*77.4*
Tynagh Energy Ltd	Tynagh – TYC	400	94.0	*1.0*	*0.0*	*5.0*	*85.3*
Viridian Power & Energy	Huntstown - HNC	344	92.2	*1.6*	*0.0*	*6.3*	*88.5*
	Huntstown - HN2	408	93.9	*0.0*	*0.0*	*6.1*	*92.8*
System Total Average Availability			**84.9**	***1.9***	***11.3***	***1.9***	**84.7**

* 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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ISO Week Number		31	32	33	34	35	36	37	38	39	40	41	42	43
Beginning Monday		02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sept	13-Sept	20-Sept	27-Sept	04-Oct	11-Oct	18-Oct	25-Oct
Station	**Unit**	**August**				**September**					**October**			
ARDNACRUSHA	AA1													
	AA2													
	AA3													
	AA4													
AGHADA	AD1	S	S											
	AD2					S								
	AT1													
	AT2													
	AT4													
DUBLINBAY	DB1													
EDENDERRY	ED1	S	S	S	S	S								
ERNE	ER1													
	ER2													
	ER3													
	ER4	S	S	S	S	S	S	S	S	S	S	S	F	F
GREAT ISLAND	GI1													
	GI2													
	GI3							S						
HUNTSTOWN	HN2													
	HNC													
LEE	LE1													
	LE2													
	LE3				S	S	S							
LIFFEY	LI1													
	LI2													
	LI4													
	LI5				S									
LOUGH REE	LR4	S	S	S	S	S	S	S						
MONEYPOINT	MP1		S	S	S	S	S							
	MP2		S	S										
	MP3													
MARINA	MRC													
NORTH WALL	NW5													
	NWC	F	F	F	F	F	F	F	F	F	F	F	F	F
POOLBEG	PB4											S		
	PB5													
	PB6											S		
RHODE	RP1				S	S	S							
	RP2	S	S	S										
SEAL ROCK	SK3													
	SK4	S	S	S	S	S								
TARBERT	TB1													
	TB2													
	TB3					S								
	TB4													
TURLOUGH HILL	TH1	F	F	F	F	F	F	F	F	F				
	TH2	S	S	S	S	S	S	S	S	S	S	S		
	TH3	F	F	F	F	F	F	F	F	F				
	TH4	F	F	F	F	F	F	F	F	F				
TAWNAGHMORE	TP1													
	TP3													
TYNAGH	TYC													
WEST OFFALY	WO4													

S = Scheduled Outage F = Forced Outage

Notes on 3-Month Outlook:
(1) Based on information available as of 12th August, 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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