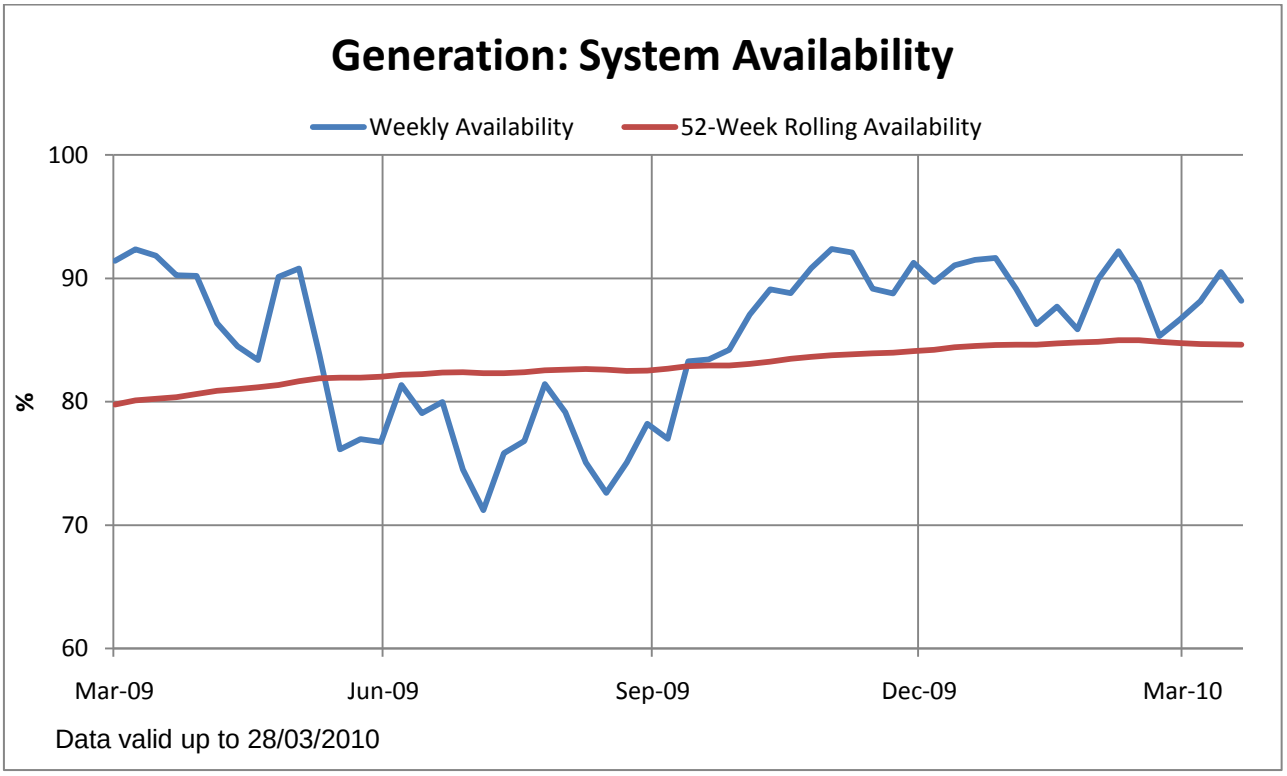
EirGrid Monthly Availability Report – March 2010

This report, for March 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 April to June 2010.

Key Points:

- The forced outage rate decreased from 8.8% in February to 6.9% in March. This is equivalent to a forced outage rate of 2.9% when the long-term outage at Poolbeg Unit 3 is excluded.
- The monthly system availability decreased from 89.3% in February to 88.4% in March. The main outages, in addition to the long-term outage at Poolbeg Unit 3, were the scheduled outages at Turlough Hill U2, Erne U4 and West Offaly Power and the forced outages at Liffey U1 & U2, Lough Ree Power and Marina.
- The rolling 52-week availability decreased from 84.8% in February to 84.6% in March.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 28th February to 00:00 Sunday 28th March 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 - March 2010

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	61.7	*0.2*	*38.1*	*0.0*	*89.4*
	Seal Rock - SK4	80	99.7	*0.0*	*0.0*	*0.3*	*89.9*
Edenderry Power Ltd	Edenderry - ED1	118	94.3	*5.7*	*0.0*	*0.0*	*79.0*
Endesa	Great Island - GI1	54	100.0	*0.0*	*0.0*	--	*93.9*
	Great Island - GI2	54	91.2	*8.8*	*0.0*	--	*83.1*
	Great Island - GI3	109	100.0	*0.0*	*0.0*	--	*88.7*
	Rhode – RP1	52	100.0	*0.0*	*0.0*	--	*97.9*
	Rhode – RP2	52	98.2	*0.0*	*1.8*	--	*97.9*
	Tarbert – TB1	54	100.0	*0.0*	*0.0*	--	*95.2*
	Tarbert – TB2	54	100.0	*0.0*	*0.0*	--	*95.5*
	Tarbert – TB3	243	99.2	*0.8*	*0.0*	--	*95.5*
	Tarbert – TB4	243	100.0	*0.0*	*0.0*	--	*97.8*
	Tawnaghmore - TP1	52	100.0	*0.0*	*0.0*	--	*98.0*
	Tawnaghmore - TP3	52	100.0	*0.0*	*0.0*	--	*99.1*
ESB Power Generation	Ardnacrusha - AA1	21	100.0	*0.0*	*0.0*	--	*96.5*
	Ardnacrusha - AA2	22	100.0	*0.0*	*0.0*	--	*90.6*
	Ardnacrusha - AA3	19	65.6	*34.4*	*0.0*	--	*95.3*
	Ardnacrusha - AA4	24	99.2	*0.8*	*0.0*	--	*98.8*
	Aghada - AD1	257	100.0	*0.0*	*0.0*	*0.0*	*92.8*
	Aghada - AT1	90	98.8	*0.1*	*1.2*	*0.0*	*70.7*
	Aghada - AT2	90	100.0	*0.0*	*0.0*	*0.0*	*96.9*
	Aghada - AT4	90	100.0	*0.0*	*0.0*	*0.0*	*99.4*
	Erne - ER1	10	98.1	*0.0*	*1.9*	--	*96.7*
	Erne - ER2	10	98.7	*0.0*	*1.3*	--	*98.6*
	Erne - ER3	23	99.9	*0.1*	*0.0*	--	*95.2*
	Erne - ER4	23	4.8	*0.0*	*95.2*	--	*91.4*
	Lee - LE1	15	94.1	*5.9*	*0.0*	--	*86.6*
	Lee - LE2	4	100.0	*0.0*	*0.0*	--	*94.5*
	Lee - LE3	8	100.0	*0.0*	*0.0*	--	*95.8*
	Liffey - LI1	15	41.7	*58.3*	*0.0*	--	*89.3*
	Liffey - LI2	15	41.8	*58.2*	*0.0*	--	*75.1*
	Liffey - LI4	4	31.3	*0.0*	*68.8*	--	*96.3*
	Liffey - LI5	4	100.0	*0.0*	*0.0*	--	*84.2*
	Lough Ree Power - LR4	90	63.2	*36.8*	*0.0*	--	*89.1*
	Moneypoint - MP1	285	94.4	*0.6*	*5.1*	--	*87.5*
	Moneypoint - MP2	285	86.9	*1.8*	*11.3*	--	*91.9*
	Moneypoint - MP3	285	98.3	*1.7*	*0.0*	--	*78.0*
	Marina - MRC	123	65.1	*34.9*	*0.0*	*0.0*	*69.6*
	North Wall - NWC	154	88.7	*10.1*	*1.2*	*0.0*	*75.9*
	North Wall - NW5	109	95.5	*0.0*	*0.0*	*4.5*	*95.1*
	Poolbeg - PB1	115	100.0	*0.0*	*0.0*	--	*91.9*
	Poolbeg - PB2	115	99.4	*0.1*	*0.6*	--	*85.7*
	Poolbeg - PB3	242	0.0	*100.0*	*0.0*	--	*0.0*
	Poolbeg - PB4	154	99.7	*0.0*	*0.0*	*0.3*	*94.6*
	Poolbeg - PB5	150	99.0	*0.0*	*0.0*	*1.0*	*93.9*
	Poolbeg - PB6	173	99.7	*0.0*	*0.0*	*0.3*	*92.7*
	Turlough Hill - TH1	73	97.5	*2.5*	*0.0*	--	*96.8*
	Turlough Hill - TH2	73	0.0	*0.0*	*100.0*	--	*88.9*
	Turlough Hill - TH3	73	99.5	*0.5*	*0.0*	--	*99.2*
	Turlough Hill - TH4	73	99.2	*0.8*	*0.0*	--	*93.3*
	West Offaly Power - WO4	137	56.7	*7.2*	*36.0*	--	*72.7*
Synergen	Dublin Bay - DB1	415	95.3	*2.1*	*0.0*	*2.6*	*77.7*
Tynagh Energy Ltd	Tynagh - TYC	400	87.2	*2.1*	*8.3*	*2.4*	*81.8*
Viridian Power & Energy	Huntstown - HNC	344	98.1	*0.0*	*0.0*	*1.9*	*94.8*
	Huntstown - HN2	408	99.1	*0.0*	*0.0*	*0.9*	*88.2*
System Total Average Availability			**88.4**	***6.9***	***4.1***	***0.6***	**84.6**

* 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		**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
Beginning Monday		29-Mar	05-Apr	12-Apr	19-Apr	26-Apr	03-May	10-May	17-May	24-May	31-May	7-Jun	14-Jun	21-Jun
Station	**Unit**	**April**					**May**				**June**			
ARDNACRUSHA	AA1										S	S	S	
	AA2			S	S	S								
	AA3													S
	AA4							S	S	S				
AGHADA	AD1													
	AD2													
	AT1													
	AT2													
	AT4			S										
DUBLINBAY	DB1													
EDENDERRY	ED1													
ERNE	ER1											S	S	
	ER2													S
	ER3													
	ER4	S	S	S	S	S	S	S	S	S	S	S	S	S
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2		S											
	HNC						S	S	S	S	S	S		
LEE	LE1										S	S	S	
	LE2						S	S	S					
	LE3													
LIFFEY	LI1													
	LI2													
	LI4													
	LI5													S
LOUGH REE	LR4						S	S	S	S	S	S	S	S
MONEYPOINT	MP1													
	MP2													
	MP3													S
MARINA	MRC													
NORTH WALL	NW5													
	NWC													
POOLBEG	PB4													
	PB5													
	PB6													
RHODE	RP1													
	RP2													
SEAL ROCK	SK3													
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4													
TURLOUGH HILL	TH1													
	TH2	S	S	S	S	S	S	S	S	S	S	S	S	S
	TH3													
	TH4													
TAWNAGHMORE	TP1											S		
	TP3										S			
TYNAGH	TYC					S	S							
WEST OFFALY	WO4													

S = Scheduled Outage F = Forced Outage

Notes on 3-Month Outlook:

(1) Based on information available as of 1st April. 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)

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