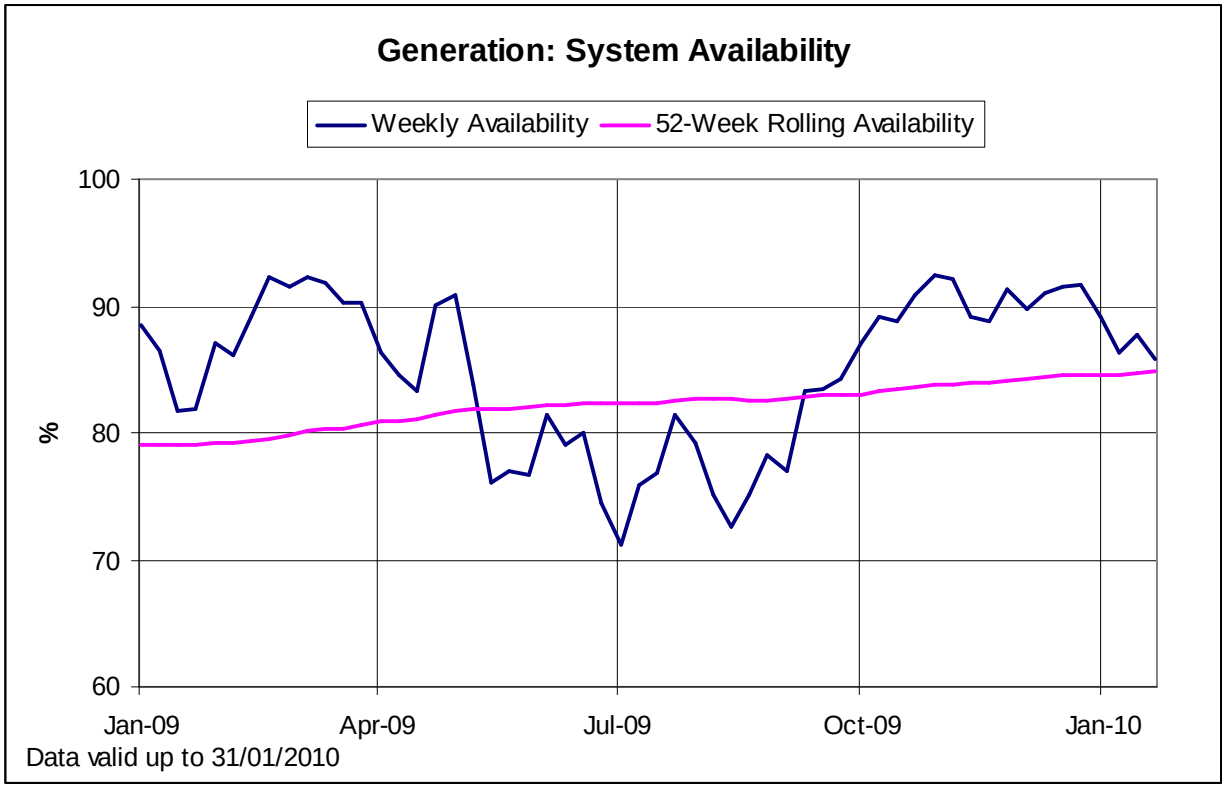
EirGrid Monthly Availability Report – January 2010

This report, for January 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 February to April 2010.

Key Points:

- The forced outage rate increased from 7.2% in December to 10.2% in January. This is equivalent to a forced outage rate of 6.3% when the long-term outage at Poolbeg Unit 3 is excluded.
- The monthly system availability decreased from 90.6% in December to 87.3% in January. The main outages, in addition to the long-term outage at Poolbeg Unit 3, were the scheduled outages at Moneypoint Unit 2 and Dublin Bay the forced outages at Dublin Bay, West Offaly Power, Tynagh and Great Island Units 1, 2 and 3.
- The rolling 52-week availability increased from 84.6% in December to 84.8% in January.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 3rd January to 00:00 Sunday 31st January 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 - January 2010

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	87.5	*12.5*	*0.0*	*0.0*	*92.5*
	Seal Rock - SK4	80	94.6	*5.0*	*0.0*	*0.4*	*90.1*
Edenderry Power Ltd	Edenderry - ED1	118	86.6	*13.4*	*0.0*	*0.0*	*79.9*
Endesa	Great Island - GI1	54	73.9	*26.1*	*0.0*	--	*93.8*
	Great Island - GI2	54	41.9	*58.1*	*0.0*	--	*83.1*
	Great Island - GI3	109	74.1	*25.9*	*0.0*	--	*88.0*
	Rhode – RP1	52	99.7	*0.3*	*0.0*	--	*98.0*
	Rhode – RP2	52	96.6	*3.4*	*0.0*	--	*98.0*
	Tarbert – TB1	54	98.9	*1.1*	*0.0*	--	*95.2*
	Tarbert – TB2	54	99.4	*0.6*	*0.0*	--	*94.8*
	Tarbert – TB3	243	98.7	*1.3*	*0.0*	--	*95.4*
	Tarbert – TB4	243	98.5	*1.5*	*0.0*	--	*97.3*
	Tawnaghmore - TP1	52	100.0	*0.0*	*0.0*	--	*97.2*
	Tawnaghmore - TP3	52	100.0	*0.0*	*0.0*	--	*98.8*
ESB Power Generation	Ardnacrusha - AA1	21	100.0	*0.0*	*0.0*	--	*96.4*
	Ardnacrusha - AA2	22	99.0	*0.0*	*1.0*	--	*90.6*
	Ardnacrusha - AA3	19	100.0	*0.0*	*0.0*	--	*97.7*
	Ardnacrusha - AA4	24	100.0	*0.0*	*0.0*	--	*99.0*
	Aghada - AD1	257	93.6	*2.9*	*3.6*	*0.0*	*90.9*
	Aghada - AT1	90	99.9	*0.1*	*0.0*	*0.0*	*69.7*
	Aghada - AT2	90	99.7	*0.3*	*0.0*	*0.0*	*97.6*
	Aghada - AT4	90	99.9	*0.1*	*0.0*	*0.0*	*99.9*
	Erne - ER1	10	100.0	*0.0*	*0.0*	--	*98.7*
	Erne - ER2	10	99.8	*0.2*	*0.0*	--	*98.7*
	Erne - ER3	23	100.0	*0.0*	*0.0*	--	*95.2*
	Erne - ER4	23	100.0	*0.0*	*0.0*	--	*96.8*
	Lee - LE1	15	99.7	*0.3*	*0.0*	--	*88.2*
	Lee - LE2	4	100.0	*0.0*	*0.0*	--	*94.4*
	Lee - LE3	8	99.8	*0.2*	*0.0*	--	*95.8*
	Liffey - LI1	15	99.1	*0.9*	*0.0*	--	*91.8*
	Liffey - LI2	15	100.0	*0.0*	*0.0*	--	*77.7*
	Liffey - LI4	4	100.0	*0.0*	*0.0*	--	*99.7*
	Liffey - LI5	4	87.8	*12.2*	*0.0*	--	*76.1*
	Lough Ree Power - LR4	90	89.1	*10.9*	*0.0*	--	*90.8*
	Moneypoint - MP1	285	96.1	*3.9*	*0.0*	--	*86.8*
	Moneypoint - MP2	285	80.1	*5.7*	*14.2*	--	*86.4*
	Moneypoint - MP3	285	93.9	*5.2*	*0.9*	--	*76.4*
	Marina - MRC	123	75.7	*24.3*	*0.0*	*0.0*	*72.1*
	North Wall - NWC	154	95.7	*3.5*	*0.7*	*0.1*	*75.9*
	North Wall - NW5	109	92.0	*3.8*	*0.0*	*4.3*	*95.1*
	Poolbeg - PB1	115	98.7	*1.3*	*0.0*	--	*91.1*
	Poolbeg - PB2	115	77.8	*22.2*	*0.0*	--	*86.0*
	Poolbeg - PB3	242	0.0	*100.0*	*0.0*	--	*0.0*
	Poolbeg - PB4	154	100.0	*0.0*	*0.0*	*0.0*	*94.3*
	Poolbeg - PB5	150	92.4	*0.0*	*7.6*	*0.0*	*96.1*
	Poolbeg - PB6	173	96.2	*0.0*	*3.8*	*0.0*	*91.8*
	Turlough Hill - TH1	73	98.9	*0.7*	*0.4*	--	*96.8*
	Turlough Hill - TH2	73	98.0	*1.4*	*0.6*	--	*96.4*
	Turlough Hill - TH3	73	99.1	*0.3*	*0.6*	--	*98.0*
	Turlough Hill - TH4	73	97.7	*1.4*	*0.9*	--	*93.4*
	West Offaly Power - WO4	137	68.9	*28.7*	*2.4*	--	*78.0*
Synergen	Dublin Bay - DB1	415	75.0	*8.9*	*14.2*	*1.9*	*80.0*
Tynagh Energy Ltd	Tynagh - TYC	400	85.4	*12.2*	*0.0*	*2.4*	*82.0*
Viridian Power & Energy	Huntstown - HNC	344	98.1	*1.1*	*0.0*	*0.9*	*94.7*
	Huntstown - HN2	408	97.8	*1.7*	*0.0*	*0.5*	*88.1*
System Total Average Availability			**87.3**	***10.2***	***2.2***	***0.4***	**84.8**

* 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		**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
Beginning Monday		01-Feb	08-Feb	15-Feb	22-Feb	01-Mar	08-Mar	15-Mar	22-Mar	29-Mar	05-Apr	12-Apr	19-Apr	26-Apr
Station	**Unit**	**February**				**March**				**April**				
ARDNACRUSHA	AA1											S	S	S
	AA2													
	AA3													
	AA4													
AGHADA	AD1													
	AT1													
	AT2													
	AT4											S		
DUBLINBAY	DB1													
EDENDERRY	ED1													
ERNE	ER1													
	ER2													
	ER3													
	ER4					S	S	S	S	S	S	S	S	S
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2										S			
	HNC													
LEE	LE1													
	LE2													
	LE3													
LIFFEY	LI1													
	LI2													
	LI4						S	S	S					
	LI5													
LOUGH REE	LR4													
MONEYPOINT	MP1													
	MP2													
	MP3													
MARINA	MRC													
NORTH WALL	NW5													
	NWC													
POOLBEG	PB1													
	PB2													
	PB3	F	F	F	F	F	F	F	F	F	F	F	F	F
	PB4													
	PB5	S												
	PB6													
RHODE	RP1													
	RP2													
SEAL ROCK	SK3					S								
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4													
TURLOUGH HILL	TH1													
	TH2				S	S	S	S	S	S	S	S	S	S
	TH3													
	TH4													
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 8th February. 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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