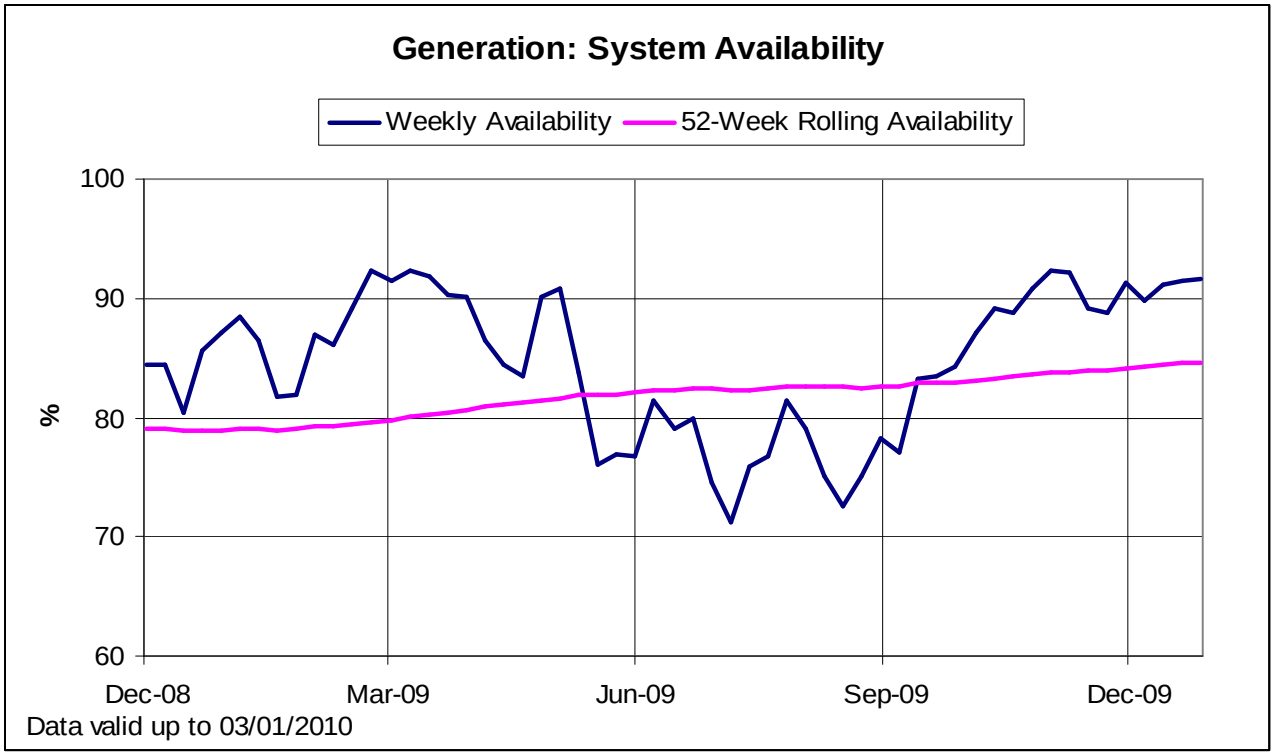
EirGrid Monthly Availability Report – December 2009

This report, for December 2009, 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 January to March 2010.

Key Points:

- The forced outage rate increased from 6.4% in November to 7.2% in December. This is equivalent to a forced outage rate of 3.1% when the long-term outage at Poolbeg Unit 3 is excluded.
- The monthly system availability increased from 90.6% in November to 91.0% in December. The main outages, in addition to the long-term outage at Poolbeg Unit 3, were the scheduled outages at Moneypoint Unit 2 and the forced outages at Marina, Poolbeg PB2 and West Offaly.
- The rolling 52-week availability increased from 83.9% in November to 84.6% in December.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 29th November to 00:00 Sunday 3rd 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 - December 2009

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	90.7	*7.5*	*1.8*	*0.0*	*92.8*
	Seal Rock - SK4	80	98.9	*0.6*	*0.0*	*0.6*	*90.3*
Edenderry Power Ltd	Edenderry - ED1	118	74.0	*11.0*	*15.0*	--	*80.4*
Endesa	Great Island - GI1	54	100.0	*0.0*	*0.0*	--	*95.8*
	Great Island - GI2	54	91.2	*8.8*	*0.0*	--	*86.9*
	Great Island - GI3	109	97.4	*2.6*	*0.0*	--	*89.1*
	Rhode – RP1	52	94.2	*5.8*	*0.0*	--	*98.0*
	Rhode – RP2	52	96.0	*4.0*	*0.0*	--	*98.3*
	Tarbert – TB1	54	97.5	*2.5*	*0.0*	--	*95.2*
	Tarbert – TB2	54	99.3	*0.7*	*0.0*	--	*94.6*
	Tarbert – TB3	243	99.2	*0.8*	*0.0*	--	*95.5*
	Tarbert – TB4	243	100.0	*0.0*	*0.0*	--	*93.0*
	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	99.7	*0.3*	*0.0*	--	*96.4*
	Ardnacrusha - AA2	22	100.0	*0.0*	*0.0*	--	*90.7*
	Ardnacrusha - AA3	19	100.0	*0.0*	*0.0*	--	*97.5*
	Ardnacrusha - AA4	24	100.0	*0.0*	*0.0*	--	*99.0*
	Aghada - AD1	257	99.5	*0.5*	*0.0*	*0.0*	*91.2*
	Aghada - AT1	90	99.7	*0.3*	*0.0*	*0.0*	*69.7*
	Aghada - AT2	90	99.8	*0.2*	*0.0*	*0.0*	*97.6*
	Aghada - AT4	90	100.0	*0.0*	*0.0*	*0.0*	*99.7*
	Erne - ER1	10	99.8	*0.0*	*0.2*	--	*98.6*
	Erne - ER2	10	99.8	*0.0*	*0.2*	--	*98.6*
	Erne - ER3	23	99.6	*0.0*	*0.4*	--	*95.2*
	Erne - ER4	23	99.6	*0.0*	*0.4*	--	*96.8*
	Lee - LE1	15	86.5	*13.5*	*0.0*	--	*86.5*
	Lee - LE2	4	100.0	*0.0*	*0.0*	--	*94.4*
	Lee - LE3	8	100.0	*0.0*	*0.0*	--	*95.8*
	Liffey - LI1	15	76.2	*23.8*	*0.0*	--	*91.9*
	Liffey - LI2	15	63.8	*36.2*	*0.0*	--	*77.7*
	Liffey - LI4	4	99.8	*0.2*	*0.0*	--	*99.7*
	Liffey - LI5	4	100.0	*0.0*	*0.0*	--	*73.7*
	Lough Ree Power - LR4	90	86.8	*13.2*	*0.0*	--	*90.8*
	Moneypoint - MP1	285	99.0	*1.0*	*0.0*	--	*85.7*
	Moneypoint - MP2	285	85.5	*0.4*	*14.1*	--	*87.1*
	Moneypoint - MP3	285	98.4	*1.6*	*0.0*	--	*76.0*
	Marina - MRC	123	74.3	*25.7*	*0.0*	*0.0*	*72.7*
	North Wall - NWC	154	95.6	*1.0*	*1.5*	*1.8*	*75.1*
	North Wall - NW5	109	95.5	*0.0*	*0.0*	*4.5*	*95.4*
	Poolbeg - PB1	115	99.9	*0.1*	*0.0*	--	*90.2*
	Poolbeg - PB2	115	81.4	*15.2*	*3.4*	--	*86.9*
	Poolbeg - PB3	242	0.0	*100.0*	*0.0*	--	*0.0*
	Poolbeg - PB4	154	100.0	*0.0*	*0.0*	*0.0*	*93.4*
	Poolbeg - PB5	150	99.5	*0.0*	*0.0*	*0.5*	*96.0*
	Poolbeg - PB6	173	99.8	*0.0*	*0.0*	*0.2*	*90.1*
	Turlough Hill - TH1	73	99.7	*0.1*	*0.1*	--	*89.7*
	Turlough Hill - TH2	73	99.5	*0.3*	*0.1*	--	*96.4*
	Turlough Hill - TH3	73	98.3	*1.2*	*0.5*	--	*98.1*
	Turlough Hill - TH4	73	99.0	*0.0*	*1.0*	--	*93.5*
	West Offaly Power - WO4	137	70.4	*29.6*	*0.0*	--	*76.2*
Synergen	Dublin Bay - DB1	415	94.8	*1.8*	*0.1*	*3.3*	*80.6*
Tynagh Energy Ltd	Tynagh - TYC	400	92.3	*4.9*	*0.0*	*2.8*	*82.7*
Viridian Power & Energy	Huntstown - HNC	344	97.8	*0.0*	*0.0*	*2.2*	*94.7*
	Huntstown - HN2	408	99.0	*0.0*	*0.0*	*1.0*	*88.2*
System Total Average Availability			**91.0**	***7.2***	***1.1***	***0.7***	**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		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Beginning Monday		04-Jan	11-Jan	18-Jan	25-Jan	01-Feb	08-Feb	15-Feb	22-Feb	01-Mar	08-Mar	15-Mar	22-Mar
Station	**Unit**	**January**				**February**				**March**			
ARDNACRUSHA	AA1												
	AA2												
	AA3												
	AA4												
AGHADA	AD1												
	AT1												
	AT2												
	AT4												
DUBLINBAY	DB1												
EDENDERRY	ED1												
ERNE	ER1												
	ER2												
	ER3												
	ER4									S	S	S	S
GREAT ISLAND	GI1												
	GI2			F	F								
	GI3												
HUNTSTOWN	HN2												
	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
	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
	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 18th January. 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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