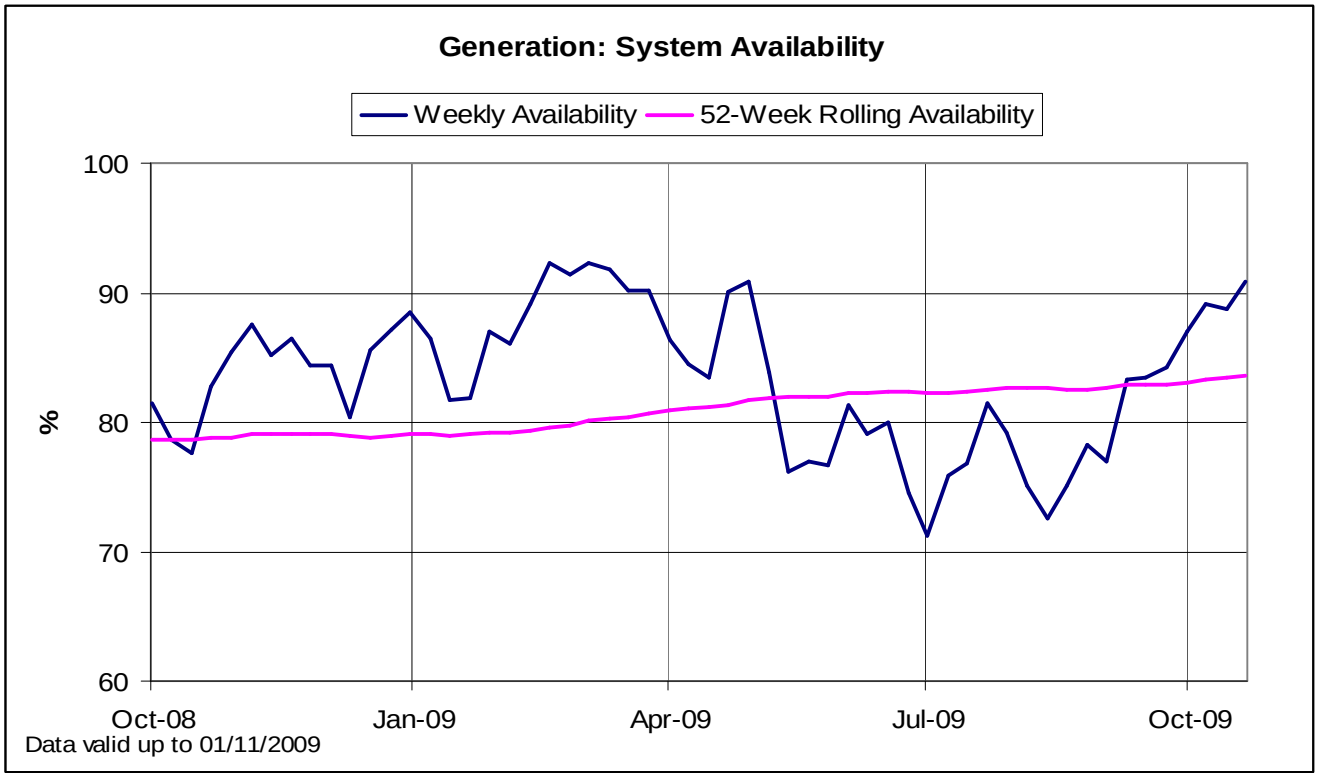
EirGrid Monthly Availability Report – October 2009

This report, for October 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 November to January 2010.

Key Points:

- The forced outage rate remained unchanged at 6.8% between September and October. This is equivalent to a forced outage rate of 2.8% when the long-term outage at Poolbeg Unit 3 is excluded.
- The monthly system availability increased from 80.5% in September to 88.0% in October. The main outages, in addition to the long-term outage at Poolbeg Unit 3, were the scheduled outages at Poolbeg Units 4 and 6 and Marina and the forced outages at Dublin Bay and Liffey Unit 2.
- The rolling 52-week availability increased from 82.9% in September to 83.6% in October.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 27th September to 00:00 Sunday 1st November 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 - October 2009

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	99.3	*0.0*	*0.0*	*0.7*	*93.4*
	Seal Rock - SK4	80	90.1	*0.0*	*8.0*	*2.0*	*90.5*
Edenderry Power Ltd	Edenderry - ED1	118	94.2	*5.8*	*0.0*	*0.0*	*81.4*
Endesa**	Great Island - GI1	54	100.0	*0.0*	*0.0*	--	*93.0*
	Great Island - GI2	54	91.2	*8.8*	*0.0*	--	*86.1*
	Great Island - GI3	109	100.0	*0.0*	*0.0*	--	*87.8*
	Rhode – RP1	52	100.0	*0.0*	*0.0*	--	*97.7*
	Rhode – RP2	52	100.0	*0.0*	*0.0*	--	*97.9*
	Tarbert – TB1	54	100.0	*0.0*	*0.0*	--	*95.6*
	Tarbert – TB2	54	100.0	*0.0*	*0.0*	--	*94.5*
	Tarbert – TB3	243	99.2	*0.8*	*0.0*	--	*92.0*
	Tarbert – TB4	243	100.0	*0.0*	*0.0*	--	*90.5*
	Tawnaghmore - TP1	52	100.0	*0.0*	*0.0*	--	*97.3*
	Tawnaghmore - TP3	52	100.0	*0.0*	*0.0*	--	*98.7*
ESB Power Generation	Ardnacrusha - AA1	21	100.0	*0.0*	*0.0*	--	*96.3*
	Ardnacrusha - AA2	22	64.2	*0.0*	*35.8*	--	*90.7*
	Ardnacrusha - AA3	19	100.0	*0.0*	*0.0*	--	*97.3*
	Ardnacrusha - AA4	24	99.6	*0.4*	*0.0*	--	*98.9*
	Aghada - AD1	257	100.0	*0.0*	*0.0*	*0.0*	*81.9*
	Aghada - AT1	90	100.0	*0.0*	*0.0*	*0.0*	*69.0*
	Aghada - AT2	90	99.5	*0.5*	*0.0*	*0.0*	*97.5*
	Aghada - AT4	90	99.9	*0.1*	*0.0*	*0.0*	*99.7*
	Erne - ER1	10	99.0	*1.0*	*0.0*	--	*98.5*
	Erne - ER2	10	100.0	*0.0*	*0.0*	--	*98.6*
	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	100.0	*0.0*	*0.0*	--	*85.1*
	Lee - LE2	4	100.0	*0.0*	*0.0*	--	*94.4*
	Lee - LE3	8	100.0	*0.0*	*0.0*	--	*96.0*
	Liffey - LI1	15	55.5	*14.9*	*29.5*	--	*94.2*
	Liffey - LI2	15	0.0	*70.5*	*29.5*	--	*88.8*
	Liffey - LI4	4	100.0	*0.0*	*0.0*	--	*99.7*
	Liffey - LI5	4	97.5	*2.5*	*0.0*	--	*73.7*
	Lough Ree Power - LR4	90	73.0	*6.3*	*20.8*	--	*92.1*
	Moneypoint - MP1	285	97.5	*2.5*	*0.0*	--	*86.0*
	Moneypoint - MP2	285	99.1	*0.9*	*0.0*	--	*84.0*
	Moneypoint - MP3	285	95.2	*2.6*	*2.1*	--	*76.6*
	Marina - MRC	123	0.7	*0.4*	*99.0*	*0.0*	*75.4*
	North Wall - NWC	154	96.7	*0.1*	*0.0*	*3.1*	*73.1*
	North Wall - NW5	109	95.5	*4.5*	*0.0*	*0.0*	*95.3*
	Poolbeg - PB1	115	92.0	*8.0*	*0.0*	--	*89.3*
	Poolbeg - PB2	115	99.9	*0.1*	*0.0*	--	*86.4*
	Poolbeg - PB3	242	0.0	*100.0*	*0.0*	--	*0.0*
	Poolbeg - PB4	154	68.4	*8.2*	*22.8*	*0.6*	*93.5*
	Poolbeg - PB5	150	95.2	*0.0*	*1.0*	*3.8*	*96.0*
	Poolbeg - PB6	173	58.2	*13.0*	*28.8*	*0.1*	*89.3*
	Turlough Hill - TH1	73	99.7	*0.0*	*0.3*	--	*74.5*
	Turlough Hill - TH2	73	99.5	*0.5*	*0.0*	--	*94.3*
	Turlough Hill - TH3	73	99.8	*0.0*	*0.2*	--	*98.3*
	Turlough Hill - TH4	73	99.3	*0.0*	*0.7*	--	*93.6*
	West Offaly Power - WO4	137	91.1	*7.8*	*1.1*	--	*79.7*
Synergen	Dublin Bay - DB1	415	82.2	*14.4*	*0.0*	*3.4*	*81.0*
Tynagh Energy Ltd	Tynagh - TYC	400	96.3	*0.0*	*0.0*	*3.7*	*81.7*
Viridian Power & Energy	Huntstown - HNC	344	95.1	*0.0*	*0.0*	*4.9*	*95.0*
	Huntstown - HN2	408	96.6	*0.0*	*0.0*	*3.4*	*88.2*
System Total Average Availability			**88.0**	***6.8***	***4.0***	***1.2***	**83.6**

* 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.

** Endesa came under ownership of these 4 stations on 08/01/09

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3-Month Outlook for Generation Scheduled and Known Forced Outages

ISO Week Number		45	46	47	48	49	50	51	52	53	1	2	3	4
Beginning Monday		02-Nov	09-Nov	16-Nov	23-Nov	30-Nov	07-Dec	14-Dec	21-Dec	28-Dec	04-Jan	11-Jan	18-Jan	25-Jan
Station	Unit	November				December					January			
ARDNACRUSHA	AA1													
	AA2													
	AA3													
	AA4													
AGHADA	AD1													
	AT1													
	AT2													
	AT4													
DUBLINBAY	DB1													
EDENDERRY	ED1								S					
ERNE	ER1													
	ER2													
	ER3													
	ER4													
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2													
	HNC													
LEE	LE1													
	LE2													
	LE3													
LIFFEY	LI1													
	LI2	F	F	F										
	LI4													
	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													
	PB6													
RHODE	RP1													
	RP2													
SEAL ROCK	SK3													
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4													
TURLOUGH HILL	TH1													
	TH2													
	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 6th November. 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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