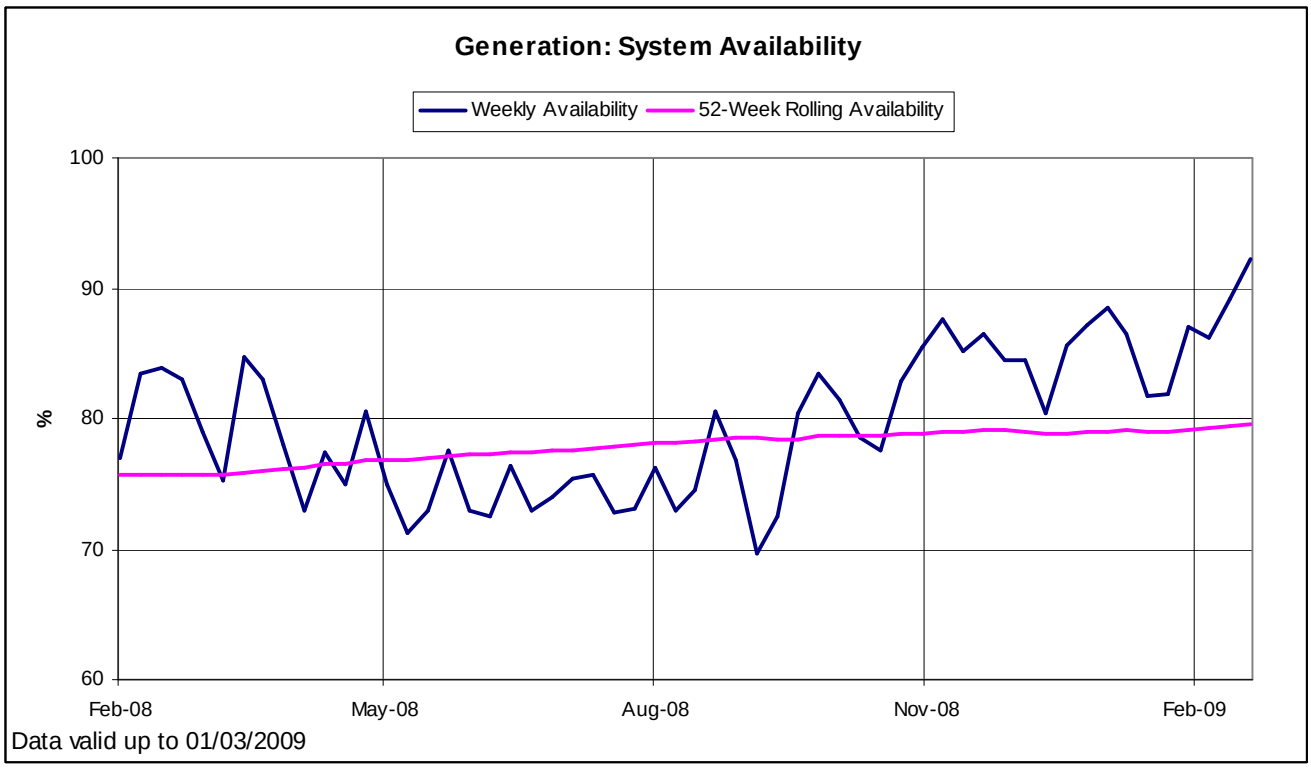
EirGrid Monthly Availability Report – February 2009

This report, for February 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 March to May 2009.

Key Points:

- The forced outage rate reduced from 12.2% in January to 6.6% in February. This is equivalent to a forced outage rate of 2.6% when the long-term outage at Poolbeg Unit 3 is excluded.
- The monthly system availability for February was 88.6%. There were very few outages in February while the main forced outage, in addition to the long-term outage at Poolbeg Unit 3, was the partial outage of Marina.
- The rolling 52-week availability increased from 79% to 79.5%.



Data valid up to 01/03/2009

Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 1st February to 00:00 Sunday 1st 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 - February 2009

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	100.0	*0.0*	*0.0*	*0.0*	*90.8*
	Seal Rock - SK4	80	94.9	*0.6*	*4.5*	*0.0*	*95.2*
Edenderry Power Ltd	Edenderry - ED1	118	98.7	*1.3*	*0.0*	*0.0*	*82.7*
Endesa**	Great Island - GI1	54	100.0	*0.0*	*0.0*	--	*90.1*
	Great Island - GI2	54	91.2	*8.8*	*0.0*	--	*86.7*
	Great Island - GI3	109	99.9	*0.1*	*0.0*	--	*76.1*
	Rhode – RP1	52	100.0	*0.0*	*0.0*	--	*97.9*
	Rhode – RP2	52	100.0	*0.0*	*0.0*	--	*98.2*
	Tarbert – TB1	54	100.0	*0.0*	*0.0*	--	*95.7*
	Tarbert – TB2	54	95.3	*4.7*	*0.0*	--	*95.8*
	Tarbert – TB3	243	100.0	*0.0*	*0.0*	--	*90.5*
	Tarbert – TB4	243	93.8	*6.2*	*0.0*	--	*86.1*
	Tawnaghmore - TP1	52	95.4	*4.6*	*0.0*	--	*94.1*
	Tawnaghmore - TP3	52	95.9	*4.1*	*0.0*	--	*88.8****
ESB Power Generation	Ardnacrusha - AA1	21	98.3	*0.5*	*1.2*	--	*94.5*
	Ardnacrusha - AA2	22	100.0	*0.0*	*0.0*	--	*98.7*
	Ardnacrusha - AA3	19	100.0	*0.0*	*0.0*	--	*97.5*
	Ardnacrusha - AA4	24	100.0	*0.0*	*0.0*	--	*91.8*
	Aghada - AD1	257	87.3	*2.2*	*10.5*	*0.0*	*41.5*
	Aghada - AT1	90	85.6	*14.4*	*0.0*	*0.0*	*91.8*
	Aghada - AT2	90	99.9	*0.1*	*0.0*	*0.0*	*71.1*
	Aghada - AT4	90	99.8	*0.2*	*0.0*	*0.0*	*98.5*
	Erne - ER1	10	100.0	*0.0*	*0.0*	--	*95.1*
	Erne - ER2	10	100.0	*0.0*	*0.0*	--	*94.5*
	Erne - ER3	23	100.0	*0.0*	*0.0*	--	*96.2*
	Erne - ER4	23	100.0	*0.0*	*0.0*	--	*93.9*
	Lee - LE1	15	93.9	*6.1*	*0.0*	--	*89.6*
	Lee - LE2	4	99.4	*0.6*	*0.0*	--	*95.7*
	Lee - LE3	8	100.0	*0.0*	*0.0*	--	*91.9*
	Liffey - LI1	15	100.0	*0.0*	*0.0*	--	*98.9*
	Liffey - LI2	15	100.0	*0.0*	*0.0*	--	*96.6*
	Liffey - LI4	4	99.9	*0.1*	*0.0*	--	*99.3*
	Liffey - LI5	4	19.6	*80.4*	*0.0*	--	*88.4*
	Lough Ree Power - LR4	90	99.8	*0.2*	*0.0*	--	*84.2*
	Moneypoint - MP1	285	95.3	*4.3*	*0.4*	--	*84.7*
	Moneypoint - MP2	285	21.0	*7.8*	*71.2*	--	*52.0*
	Moneypoint - MP3	285	95.5	*4.5*	*0.0*	--	*92.1*
	Marina - MRC	123	78.5	*21.5*	*0.0*	*0.0*	*76.3*
	North Wall - NWC	154	82.5	*4.4*	*12.9*	*0.2*	*74.0*
	North Wall - NW5	109	95.5	*4.5*	*0.0*	*0.0*	*71.9*
	Poolbeg - PB1	115	99.0	*1.0*	*0.0*	--	*90.7*
	Poolbeg - PB2	115	99.6	*0.4*	*0.0*	--	*47.5*
	Poolbeg - PB3	242	0.0	*100.0*	*0.0*	--	*0.0*
	Poolbeg - PB4	154	99.6	*0.0*	*0.0*	*0.4*	*90.1*
	Poolbeg - PB5	150	99.8	*0.0*	*0.0*	*0.2*	*92.2*
	Poolbeg - PB6	173	94.5	*5.3*	*0.0*	*0.2*	*84.1*
	Turlough Hill - TH1	73	99.9	*0.1*	*0.0*	--	*10.1*
	Turlough Hill - TH2	73	99.9	*0.0*	*0.1*	--	*89.5*
	Turlough Hill - TH3	73	99.5	*0.3*	*0.1*	--	*95.6*
	Turlough Hill - TH4	73	99.7	*0.1*	*0.1*	--	*95.6*
	West Offaly Power - WO4	137	99.0	*1.0*	*0.0*	--	*77.7*
Synergen	Dublin Bay - DB1	415	96.9	*0.0*	*0.0*	*3.1*	*91.3*
Tynagh Energy Ltd	Tynagh - TYC	400	96.3	*0.1*	*0.0*	*3.6*	*85.5*
Viridian Power & Energy	Huntstown - HNC	344	98.2	*0.0*	*0.0*	*1.8*	*95.0*
	Huntstown - HN2	408	98.0	*1.5*	*0.0*	*0.5*	*94.4*
System Total Average Availability			**88.6**	***6.6***	***4.2***	***0.6***	**79.5******

* 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, the monthly stats for these units include when under ESB Power Gen ownership
*** The figure for TP3 is an average figure of the unit's availability since it was commissioned on 15/09/2008
**** The rolling 52-week system availability is calculated using the weekly availability figures and may vary due to plant commissioning and decommissioning

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3-Month Outlook for Generation Scheduled and Known Forced Outages

ISO Week Number		10	11	12	13	14	15	16	17	18	19	20	21	22
Beginning Monday		02-Mar	09-Mar	16-Mar	23-Mar	30-Mar	06-Apr	13-Apr	20-Apr	27-Apr	04-May	11-May	18-May	25-May
Station	**Unit**	**March**				**April**					**May**			
ARDNACRUSHA	AA1													
	AA2													
	AA3									S				
	AA4													
AGHADA	AD1													
	AT1									S	S	S	S	S
	AT2											S		
	AT4													
DUBLINBAY	DB1													
EDENDERRY	ED1						S							
ERNE	ER1									S	S			
	ER2											S	S	
	ER3													
	ER4													S
GREAT ISLAND	GI1											S	S	
	GI2											S	S	
	GI3													
HUNTSTOWN	HN2												S	S
	HNC						S							
LEE	LE1													
	LE2										S	S	S	
	LE3													
LIFFEY	LI1													
	LI2													
	LI4													
	LI5													
LOUGH REE	LR4													
MONEYPOINT	MP1													
	MP2													
	MP3											S	S	S
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											S		
	SK4							S	S					
TARBERT	TB1													S
	TB2													S
	TB3													
	TB4													
TURLOUGH HILL	TH1													
	TH2													
	TH3	S												
	TH4					S	S							
TAWNAGHMORE	TP1								S					
	TP3									S				
TYNAGH	TYC													
WEST OFFALY	WO4													

S = Scheduled Outage F = Forced Outage

Notes on 3-Month Outlook:

(1) Based on information available as of 10th March. 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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