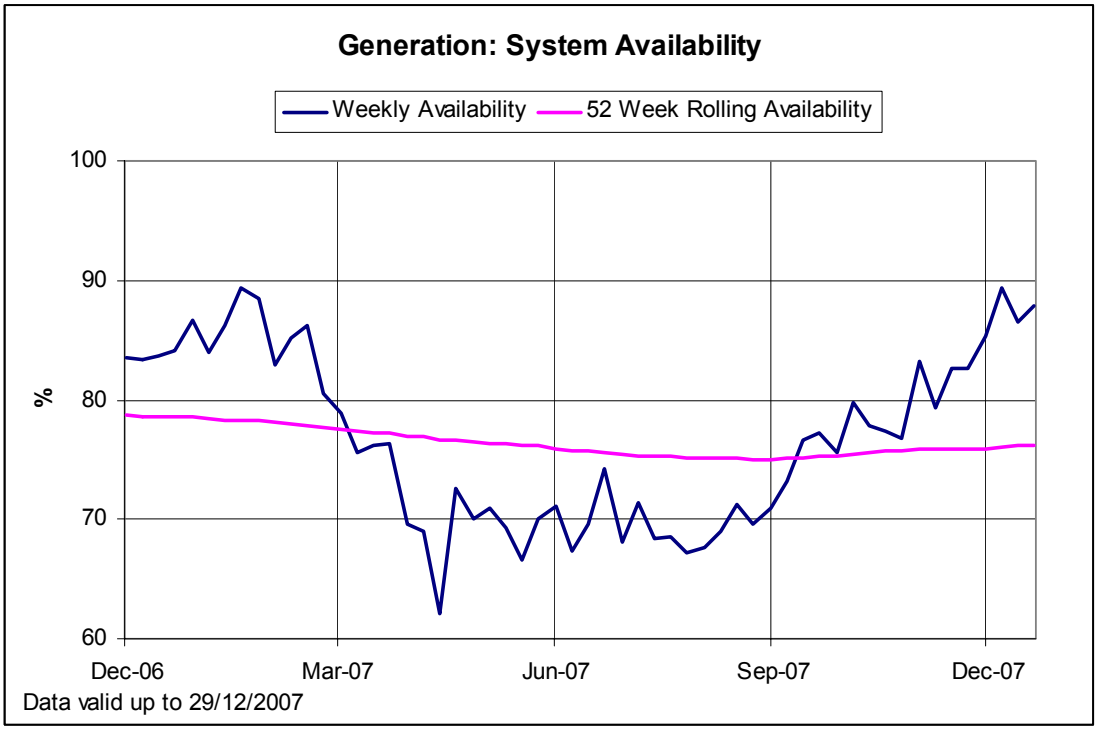
EirGrid Monthly Availability Report – December 2007

This report, for December 2007, details the availability performance for large generation units on the power system. The report also includes an outlook for plant availability over the period from February to April 2008.

Key Points:

- The forced outage rate for December improved over previous months (7.3% excluding the long-term outages at Poolbeg Unit 3 and Turlough Hill Unit 1). This is the lowest the forced outage rate has been since February 2007.
- As expected there were very few scheduled outages during December (just 0.6% system-wide), leading to an increase in the monthly system availability to 87% from last month's 82%. However the rolling 52-week availability remains poor at 77%.
- The long term outages at Poolbeg Unit 3, Turlough Hill Unit 1 and Aghada AT2 will continue into 2008. Great Island Units 1 & 2 are now expected to be forced out for a further 2 to 3 months. There may be some significant scheduled outages (including periods of restricted running) required at Moneypoint, to facilitate the work on the environmental retrofit project.
- The level of forced outages remains within the base case assumptions of the Winter Outlook 2007/8. Capacity margins should be sufficient this winter to ensure the appropriate level of security of supply is maintained, provided there is no further deterioration in the plant availability.



Data valid up to 29/12/2007

Definitions

Availability: the capacity-weighted percentage of the time from 00:00 Sunday 2nd December to 00:00 Sunday 30th December that generators were available.

Forced: outages where generators are unavailable due to unforeseen/ unplanned outages or limited due to ambient conditions

Scheduled: outages where generators are unavailable due to planned reasons, e.g., for maintenance.

Installed Capacity: net (exported) generating capacity of the generator, which excludes transformer losses and/or house load.

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 2007

Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80.5	97.7	*0.7*	*1.6*	*93.9*
	Seal Rock - SK4	80.5	99.2	*0.8*	*0.0*	*88.7*
Edenderry Power Ltd	Edenderry - ED1	117.6	85.3	*0.0*	*14.7*	*76.6*
ESB Power Generation	Ardnacrusha - AA1	21	100.0	*0.0*	*0.0*	*97.5*
	Ardnacrusha - AA2	21	100.0	*0.0*	*0.0*	*97.4*
	Ardnacrusha - AA3	22	100.0	*0.0*	*0.0*	*94.5*
	Ardnacrusha - AA4	22	100.0	*0.0*	*0.0*	*95.6*
	Aghada - AD1	258	91.1	*5.5*	*3.5*	*87.3*
	Aghada - AT1	90	99.1	*0.9*	*0.0*	*97.0*
	Aghada - AT2	90	0.0	*100.0*	*0.0*	*10.7*
	Aghada - AT4	90	81.1	*18.9*	*0.0*	*33.8*
	Aghada - AP5	52	100.0	*0.0*	*0.0*	*97.4*
	Erne - ER1	10	100.0	*0.0*	*0.0*	*93.1*
	Erne - ER2	10	99.9	*0.1*	*0.1*	*94.2*
	Erne - ER3	23	100.0	*0.0*	*0.0*	*97.2*
	Erne - ER4	22	100.0	*0.0*	*0.0*	*95.1*
	Great Island - GI1	54	0.0	*100.0*	*0.0*	*58.2*
	Great Island - GI2	54	0.0	*100.0*	*0.0*	*23.0*
	Great Island - GI3	108	95.9	*4.1*	*0.0*	*60.4*
	Lee - LE1	15	100.0	*0.0*	*0.0*	*93.6*
	Lee - LE2	4	100.0	*0.0*	*0.0*	*93.3*
	Lee - LE3	8	100.0	*0.0*	*0.0*	*86.8*
	Liffey - LI1	15	100.0	*0.0*	*0.0*	*98.9*
	Liffey - LI2	15	100.0	*0.0*	*0.0*	*99.1*
	Liffey - LI4	4	100.0	*0.0*	*0.0*	*94.9*
	Liffey - LI5	4	99.6	*0.4*	*0.0*	*85.3*
	Lough Ree Power - LR4	91	99.3	*0.7*	*0.0*	*55.3*
	Moneypoint - MP1	282.5	97.4	*2.6*	*0.0*	*61.1*
	Moneypoint - MP2	287.5	98.9	*1.1*	*0.0*	*96.2*
	Moneypoint - MP3	282.5	81.9	*18.1*	*0.0*	*87.0*
	Marina - MRC	112	84.5	*15.5*	*0.0*	*85.5*
	North Wall - NWC	163	89.3	*10.7*	*0.0*	*64.0*
	North Wall - NW5	109	94.2	*5.8*	*0.0*	*83.1*
	Poolbeg - PB1	109.5	100.0	*0.0*	*0.0*	*56.1*
	Poolbeg - PB2	109.5	96.7	*3.3*	*0.0*	*91.5*
	Poolbeg - PB3	242	0.0	*100.0*	*0.0*	*0.0*
	Poolbeg - PB4	150	95.0	*5.0*	*0.0*	*91.0*
	Poolbeg - PB5	150	97.5	*2.5*	*0.0*	*91.7*
	Poolbeg - PB6	160	98.5	*1.5*	*0.0*	*92.4*
	Rhode - RP1	52	100.0	*0.0*	*0.0*	*97.9*
	Rhode - RP2	52	100.0	*0.0*	*0.0*	*96.4*
	Tarbert - TB1	54	100.0	*0.0*	*0.0*	*93.7*
	Tarbert - TB2	54	97.9	*2.1*	*0.0*	*88.7*
	Tarbert - TB3	241	87.2	*12.8*	*0.0*	*67.6*
	Tarbert - TB4	241	96.9	*0.7*	*2.4*	*86.0*
	Turlough Hill - TH1	73	0.0	*100.0*	*0.0*	*36.2*
	Turlough Hill - TH2	73	99.0	*0.0*	*1.0*	*96.5*
	Turlough Hill - TH3	73	92.0	*7.5*	*0.5*	*96.9*
	Turlough Hill - TH4	73	99.7	*0.0*	*0.3*	*93.9*
	Tawnaghmore - TP1	52	96.5	*3.5*	*0.0*	*92.7*
	West Offaly Power - WO4	137	100.0	*0.0*	*0.0*	*60.1*
Synergen	Dublin Bay - DB1	403	97.1	*2.9*	*0.0*	*89.3*
Tynagh Energy Ltd	Tynagh - TYC	384	98.5	*1.5*	*0.0*	*72.5*
Viridian Power & Energy	Huntstown - HNC	343	98.1	*1.9*	*0.0*	*88.0*
	Huntstown - HN2	401	97.4	*2.6*	*0.0*	*95.7*
System Total Average Availability			**87.3**	***12.1***	***0.6***	**77.2**

*Exported MW values as per Generation Adequacy Report 2007-2013. 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 Forced Outages

ISO Week Number		6	7	8	9	10	11	12	13	14	15	16	17
Beginning Monday		04-Feb	11-Feb	18-Feb	25-Feb	03-Mar	10-Mar	17-Mar	24-Mar	31-Mar	07-Apr	14-Apr	21-Apr
Station	Unit	February				March				April			
ARDNACRUSHA	AA1												
	AA2												
	AA3												
	AA4												
AGHADA	AD1												
	AP5								S	S	S	S	S
	AT1										S		
	AT2	F	F	F	F	F	F	F	F	F			
	AT4												
DUBLIN BAY	DB1										S	S	
EDENDERRY	ED1												
ERNE	ER1												
	ER2												
	ER3												
	ER4												
GREAT ISLAND	GI1	F	S	S	S	F	F	F	F				
	GI2	F	S	S	S	F	F	F	F				
	GI3									S	S	S	S
HUNTSTOWN	HN2												
	HNC								S				
LEE	LE1												
	LE2												
	LE3												
LIFFEY	LI1												
	LI2												
	LI4												
	LI5												
LOUGH REE	LR4					S	S						
MONEYPOINT	MP1				S	S	R	R		S			
	MP2									S	S	S	S
	MP3	R	R										
MARINA	MRC												
NORTH WALL	NW5												
	NWC												
POOLBEG	PB1	S	S										
	PB2						S	S	S	S	S	S	S
	PB3	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	F	F	F	F	F	F	F	F	S	S	S	S
	TH2												
	TH3												
	TH4												
TAWNAGHMORE	TP1												
TYNAGH	TYC												
WEST OFFALY	WO4						S						

S = Scheduled Outage[1] F = Forced Outage[2] R= Restricted Running[3]

Notes on 3-month outlook:

(1) Scheduled outages as per Committed Generation Outage program for 2008 v1 from SONI and EirGrid

(2) Forced outages – return to service as per Generator's best estimations at time of report (25-01-08).

(3) Restricted running in Moneypoint as per information provided by station at time of report.

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