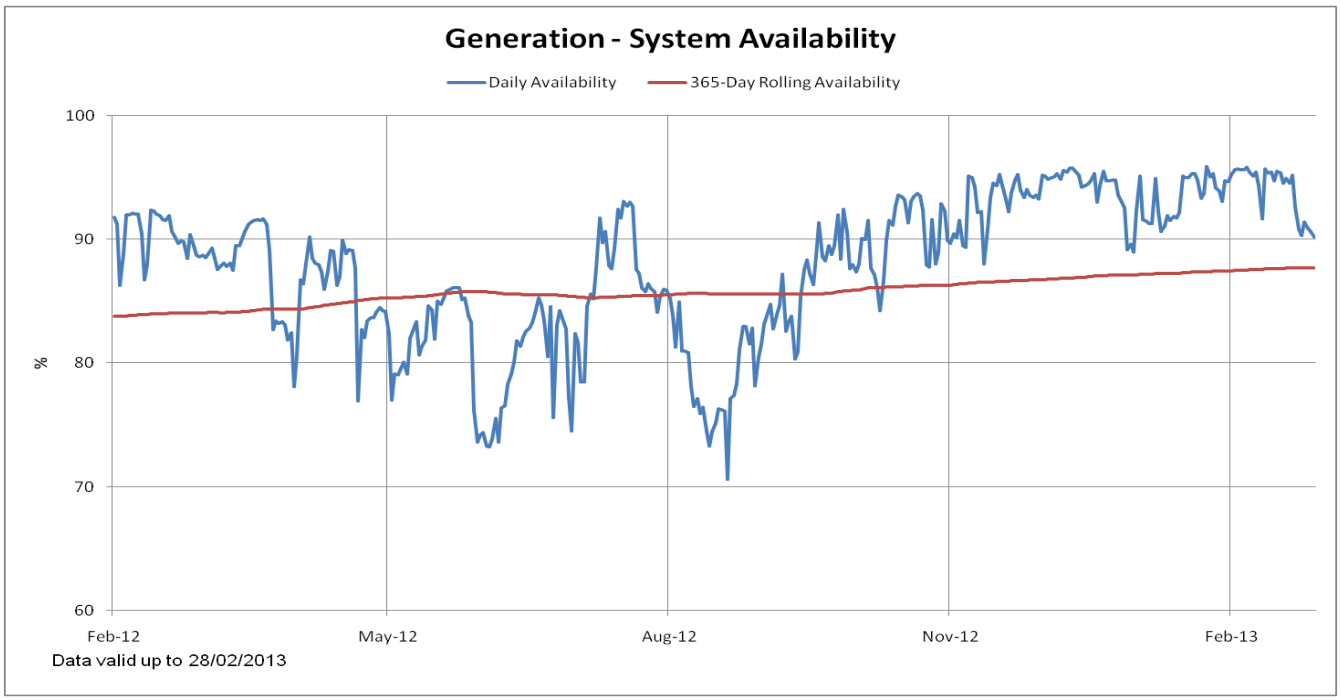
EirGrid Monthly Availability Report – February 2013

This report, for February 2013, details the availability performance of the centrally-dispatched generation units on the power system.

Key Points:

- The monthly forced outage rate decreased from 5.6% in January to 5.5% in February.
- The monthly system availability increased from 93.4% in January to 94.1% in February. The main scheduled outages in February were at Aghada AT4 and Turlough Hill station. The main forced outages in February were Activation Energy AE1, Aghada AD1, Dalkia Alternative Energy Ltd. DP1, Edenderry ED1, Liffey LI5, Sealrock station, Turlough Hill TH2 and the long-term forced outages of North Wall NWC and Erne ER3.
- The 365-day rolling availability increased by 0.3% to 87.8% in February from 87.5% in January.
- A new table for this report is an overview of the Rolling 365 Day Average Unit Unavailability breakdown into Forced Outage Rates, Scheduled Outage Rates and Ambient Rates on page 3.



Definitions

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

365-day Rolling Availability: the average of the unit's **Availability** over the most recent 365 days (i.e., past year)

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Unit-by-Unit Average Monthly Availability – February 2013

Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	27	68.4	31.6	0.0	0.0
Aughinish Alumina Ltd	Seal Rock - SK3	85	77.5	17.6	0.0	4.9
	Seal Rock - SK4	85	90.9	5.9	0.0	3.2
Bord Gáis	Whitegate – WG1	444	100.0	0.0	0.0	0.0
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	49.2	50.8	0.0	0.0
Edenderry Power Ltd	Edenderry – ED1	118	88.1	11.9	0.0	0.0
	Edenderry – ED3	58	100.0	0.0	0.0	0.0
	Edenderry – ED5	58	100.0	0.0	0.0	0.0
Endesa Ireland	Great Island - GI1	54	100.0	0.0	0.0	0.0
	Great Island - GI2	54	90.7	9.3	0.0	0.0
	Great Island - GI3	109	99.9	0.1	0.0	0.0
	Rhode – RP1	52	100.0	0.0	0.0	0.0
	Rhode – RP2	52	100.0	0.0	0.0	0.0
	Tarbert – TB1	54	100.0	0.0	0.0	0.0
	Tarbert – TB2	54	100.0	0.0	0.0	0.0
	Tarbert – TB3	243	100.0	0.0	0.0	0.0
	Tarbert – TB4	243	100.0	0.0	0.0	0.0
	Tawnaghmore - TP1	52	100.0	0.0	0.0	0.0
	Tawnaghmore - TP3	52	100.0	0.0	0.0	0.0
ESB Power Generation	Aghada - AD1	258	76.2	23.8	0.0	0.0
	Aghada - AD2	432	99.9	0.0	0.0	0.1
	Aghada - AT1	90	100.0	0.0	0.0	0.0
	Aghada - AT2	90	100.0	0.0	0.0	0.0
	Aghada - AT4	90	97.8	0.0	2.2	0.0
	Ardnacrusha - AA1	21	100.0	0.0	0.0	0.0
	Ardnacrusha - AA2	22	100.0	0.0	0.0	0.0
	Ardnacrusha - AA3	19	99.1	0.9	0.0	0.0
	Ardnacrusha - AA4	24	100.0	0.0	0.0	0.0
	Erne - ER1	10	100.0	0.0	0.0	0.0
	Erne - ER2	10	99.6	0.0	0.5	0.0
	Erne - ER3	23	0.0	100.0	0.0	0.0
	Erne - ER4	23	100.0	0.0	0.0	0.0
	Lee - LE1	15	100.0	0.0	0.0	0.0
	Lee - LE2	4	100.0	0.0	0.0	0.0
	Lee - LE3	8	100.0	0.0	0.0	0.0
	Liffey - LI1	15	100.0	0.0	0.0	0.0
	Liffey - LI2	15	100.0	0.0	0.0	0.0
	Liffey - LI4	4	100.0	0.0	0.0	0.0
	Liffey - LI5	4	64.6	35.4	0.0	0.0
	Lough Ree Power - LR4	91	98.2	1.8	0.0	0.0
	Marina - MRC	123	76.4	23.6	0.0	0.0
	Moneypoint - MP1	285	99.2	0.8	0.0	0.0
	Moneypoint - MP2	285	96.1	3.9	0.0	0.0
	Moneypoint - MP3	285	100.0	0.0	0.0	0.0
	North Wall - NW5	108	97.2	2.8	0.0	0.0
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	158	99.9	0.0	0.0	0.1
	Poolbeg - PB5	154	100.0	0.0	0.0	0.0
	Poolbeg - PB6	182	98.2	0.0	0.0	1.8
	Turlough Hill - TH1	73	98.5	0.3	1.3	0.0
	Turlough Hill - TH2	73	75.8	24.2	0.0	0.0
	Turlough Hill - TH3	73	98.7	0.0	1.3	0.0
	Turlough Hill - TH4	73	99.3	0.7	0.0	0.0
	West Offaly Power - WO4	135	95.5	4.5	0.0	0.0
Indaver	Indaver – IW1	17	94.2	5.8	0.0	0.0
Synergen	Dublin Bay - DB1	405	98.3	0.4	0.3	1.1
Tynagh Energy Ltd	Tynagh – TYC	404	97.9	0.0	0.0	2.1
Viridian Power & Energy	Huntstown - HN2	408	99.5	0.0	0.0	0.5
	Huntstown - HNC	344	99.3	0.0	0.0	0.7
System Total Average Availability			**94.1**	**5.5**	**0.1**	**0.4**

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Unit-by-Unit 365 Day Rolling Availability – February 2012 to February 2013						
Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	27	67.0	32.8	0.2	0.0
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.8	1.5	2.0	7.8
	Seal Rock - SK4	85	86.9	2.0	5.6	5.6
Bord Gáis	Whitegate – WG1	444	89.9	0.9	7.1	2.2
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	29.8	54.8	15.4	0.0
Edenderry Power Ltd	Edenderry – ED1	118	77.8	11.1	11.2	0.0
	Edenderry – ED3	58	99.6	0.4	0.1	0.0
	Edenderry – ED5	58	99.9	0.0	0.1	0.0
Endesa Ireland	Great Island - GI1	54	98.9	0.6	0.4	0.0
	Great Island - GI2	54	90.2	9.2	0.6	0.0
	Great Island - GI3	109	98.9	0.2	0.8	0.0
	Rhode – RP1	52	98.0	0.1	1.9	0.0
	Rhode – RP2	52	98.3	0.0	1.8	0.0
	Tarbert – TB1	54	99.9	0.1	0.0	0.0
	Tarbert – TB2	54	99.7	0.3	0.0	0.0
	Tarbert – TB3	243	99.5	0.5	0.0	0.0
	Tarbert – TB4	243	99.8	0.2	0.0	0.0
	Tawnaghmore - TP1	52	98.3	0.4	1.4	0.0
	Tawnaghmore - TP3	52	97.9	1.0	1.2	0.0
ESB Power Generation	Aghada - AD1	258	94.2	5.1	0.7	0.0
	Aghada - AD2	432	95.9	1.5	2.0	0.7
	Aghada - AT1	90	96.8	1.0	2.1	0.1
	Aghada - AT2	90	88.2	4.0	7.8	0.1
	Aghada - AT4	90	88.7	0.0	11.3	0.1
	Ardnacrusha - AA1	21	90.6	1.7	7.7	0.0
	Ardnacrusha - AA2	22	91.5	1.4	7.1	0.0
	Ardnacrusha - AA3	19	89.0	4.1	6.9	0.0
	Ardnacrusha - AA4	24	91.1	2.6	6.3	0.0
	Erne - ER1	10	99.5	0.4	0.1	0.0
	Erne - ER2	10	98.7	0.1	1.2	0.0
	Erne - ER3	23	0.0	72.2	27.8	0.0
	Erne - ER4	23	97.7	0.0	2.3	0.0
	Lee - LE1	15	94.6	0.2	5.2	0.0
	Lee - LE2	4	94.7	0.5	4.8	0.0
	Lee - LE3	8	75.6	5.0	19.4	0.0
	Liffey - LI1	15	94.1	0.2	5.7	0.0
	Liffey - LI2	15	94.0	2.3	3.7	0.0
	Liffey - LI4	4	93.9	2.2	3.8	0.0
	Liffey - LI5	4	53.0	27.2	19.7	0.0
	Lough Ree Power - LR4	91	92.1	3.8	4.1	0.0
	Marina - MRC	123	76.2	23.5	0.3	0.0
	Moneypoint - MP1	285	93.3	1.0	5.7	0.0
	Moneypoint - MP2	285	85.3	4.0	10.7	0.0
	Moneypoint - MP3	285	95.3	2.9	1.9	0.0
	North Wall - NW5	108	86.6	12.1	0.2	1.1
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	158	97.3	0.5	0.9	1.3
	Poolbeg - PB5	154	97.0	0.8	1.9	0.3
	Poolbeg - PB6	182	95.3	0.7	1.6	2.5
	Turlough Hill - TH1	73	73.5	23.3	3.2	0.0
	Turlough Hill - TH2	73	82.5	15.8	1.6	0.0
	Turlough Hill - TH3	73	50.0	48.2	1.9	0.0
	Turlough Hill - TH4	73	60.9	36.5	2.7	0.0
	West Offaly Power - WO4	135	89.6	6.8	3.6	0.0
Indaver	Indaver – IW1	17	73.2	4.1	22.7	0.0
Synergen	Dublin Bay - DB1	405	81.4	2.2	13.8	2.6
Tynagh Energy Ltd	Tynagh – TYC	404	75.4	4.7	16.1	3.8
Viridian Power & Energy	Huntstown - HN2	408	93.8	0.8	2.6	2.8
	Huntstown - HNC	344	94.5	0.1	1.6	3.8
System Total 365 Day Rolling Availability			**87.8**	**6.4**	**4.7**	**1.2**

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