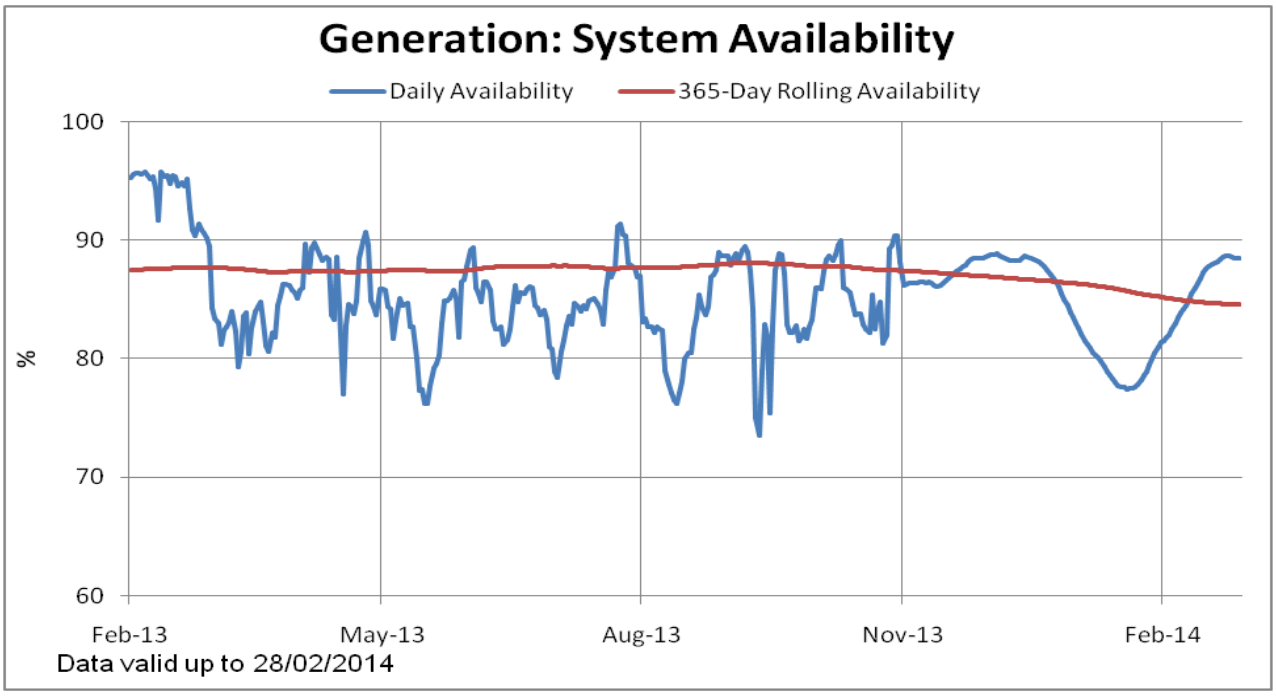
EirGrid Monthly Availability Report – February 2014

This report, for February 2014, details the availability performance of the centrally-dispatched generation units on the power system.

Key Points:

- The monthly forced outage rate decreased from 17.2% in January to 8.54% in February.
- The monthly system availability increased from 81.36% in January to 88.39% in February. The main scheduled outages in February were at Tawnaghmore TP1, Ardnacrusha AA3, Erne ER2 & ER3, Indaver IW1 and Dalkia Alternative Energy Ltd DP1.
- The main forced outages in February were Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Ardnacrusha station, , Great Island GI2, Tawnaghmore TP3, Erne ER1, Marina MRC and the long term forced outages of North Wall NWC and Moneypoint MP2.
- The 365-day rolling availability increased from 85.17% in January to 86.39% in February.



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 2014						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	72	61.29	33.5	5.21	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	91.64	0.77	0	7.59
	Seal Rock - SK4	85	85.34	0.35	8.02	6.29
Bord Gáis	Whitegate – WG1	444	93.75	5.41	0	0.84
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	34.14	33.17	32.69	0
Edenderry Power Ltd	Edenderry – ED1	118	99.42	0.58	0	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island - GI1	54	100	0	0	0
	Great Island - GI2	54	90.74	9.26	0	0
	Great Island - GI3	109	99.9	0.1	0	0
	Rhode – RP1	52	100	0	0	0
	Rhode – RP2	52	100	0	0	0
	Tarbert – TB1	54	100	0	0	0
	Tarbert – TB2	54	100	0	0	0
	Tarbert – TB3	241	100	0	0	0
	Tarbert – TB4	243	100	0	0	0
	Tawnaghmore - TP1	52	79.2	1.6	19.2	0
	Tawnaghmore - TP3	52	100	0	0	0
ESB Energy Ireland	Aghada - AD1	258	100	0	0	0
	Aghada - AD2	431	93.98	0	3.85	2.17
	Aghada - AT1	90	99.98	0	0	0.02
	Aghada - AT2	90	99.95	0	0.03	0.02
	Aghada - AT4	90	99.98	0	0	0.02
	Ardnacrusha - AA1	21	73.1	26.9	0	0
	Ardnacrusha - AA2	22	99.6	0.4	0	0
	Ardnacrusha - AA3	19	0	0	100	0
	Ardnacrusha - AA4	24	77.93	22.07	0	0
	Erne - ER1	10	39.99	59.77	0.24	0
	Erne - ER2	10	0	0	100	0
	Erne - ER3	22	69.23	0.24	30.53	0
	Erne - ER4	22	100	0	0	0
	Lee - LE1	15	100	0	0	0
	Lee - LE2	4	100	0	0	0
	Lee - LE3	8	100	0	0	0
	Liffey - LI1	15	100	0	0	0
	Liffey - LI2	15	100	0	0	0
	Liffey - LI4	4	100	0	0	0
	Liffey - LI5	4	99.93	0.07	0	0
	Lough Ree Power - LR4	91	98.97	1.03	0	0
	Marina - MRC	95	44.87	55.13	0	0
	Moneypoint - MP1	285	96.51	3.49	0	0
	Moneypoint - MP2	285	2.19	77.09	20.72	0
	Moneypoint - MP3	285	95.13	4.87	0	0
	North Wall - NW5	104	98.15	1.85	0.0	0.0
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	98.89	0	0	1.11
	Poolbeg - PB5	154	99.82	0	0	0.18
	Poolbeg - PB6	182	95.73	0	0	4.27
	Turlough Hill - TH1	73	100	0	0	0
	Turlough Hill - TH2	73	99.94	0.06	0	0
	Turlough Hill - TH3	73	99.98	0.02	0	0
	Turlough Hill - TH4	73	97.78	1.31	0.91	0
	West Offaly Power - WO4	137	97.29	1.23	1.48	0
Indaver	Indaver – IW1	16	52.56	5.44	42	0
Synergen	Dublin Bay - DB1	405	99.02	0	0	0.98
Tynagh Energy Ltd	Tynagh – TYC	384	98.36	0	0	1.64
Viridian Power & Energy	Huntstown - HN2	400	97.23	0	0	2.77
	Huntstown - HNC	342	97.63	0	0	2.37
System Total Average Availability			**88.39**	**8.54**	**2.14**	**0.93**

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Unit-by-Unit 365 Day Rolling Availability – February 2013 to February 2014						
Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	72	68.52	25.32	6.16	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.74	3.03	1.03	7.2
	Seal Rock - SK4	85	82.76	6.82	2.3	8.12
Bord Gáis Energy	Whitegate – WG1	444	86.09	10.25	3.12	0.54
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	24.07	53.95	21.98	0
Edenderry Power Ltd	Edenderry – ED1	118	78.36	4.82	16.82	0
	Edenderry – ED3	58	94.96	0	5.04	0
	Edenderry – ED5	58	94.94	0.02	5.04	0
SSE Generation Ireland	Great Island - GI1	54	98.88	0.64	0.48	0
	Great Island - GI2	54	89.68	9.5	0.82	0
	Great Island - GI3	109	91.19	7.62	1.19	0
	Rhode – RP1	52	98.57	0.02	1.41	0
	Rhode – RP2	52	98.59	0	1.41	0
	Tarbert – TB1	54	96.85	0.08	3.07	0
	Tarbert – TB2	54	99.92	0.08	0	0
	Tarbert – TB3	241	97.48	0.39	2.13	0
	Tarbert – TB4	243	98.49	1.51	0	0
	Tawnaghmore - TP1	52	97.93	0.6	1.47	0
	Tawnaghmore - TP3	52	97.94	0.88	1.18	0
ESB Energy Ireland	Aghada - AD1	258	49.63	50.37	0	0
	Aghada - AD2	431	91.45	1.72	5.2	1.63
	Aghada - AT1	90	94.75	3.74	1.36	0.15
	Aghada - AT2	90	94.72	4.32	0.82	0.14
	Aghada - AT4	90	86.87	9.55	3.43	0.15
	Ardnacrusha - AA1	21	60.85	7.22	31.93	0
	Ardnacrusha - AA2	22	69.17	1.55	29.28	0
	Ardnacrusha - AA3	19	26.41	0.99	72.6	0
	Ardnacrusha - AA4	24	57.8	8.29	33.91	0
	Erne - ER1	10	82.45	15.1	2.45	0
	Erne - ER2	10	34.71	0	65.29	0
	Erne - ER3	22	20.99	71.12	7.89	0
	Erne - ER4	22	98.63	0.02	1.35	0
	Lee - LE1	15	91.94	0.79	7.27	0
	Lee - LE2	4	93.76	0.18	6.06	0
	Lee - LE3	8	92.58	0.95	6.47	0
	Liffey - LI1	15	87.54	2.92	9.54	0
	Liffey - LI2	15	89.61	0.05	10.34	0
	Liffey - LI4	4	98.85	0.02	1.13	0
	Liffey - LI5	4	97.75	2.25	0	0
	Lough Ree Power - LR4	91	92.58	5.14	2.28	0
	Marina - MRC	95	74	26	0	0
	Moneypoint - MP1	285	91.96	4.85	3.19	0
	Moneypoint - MP2	285	57.68	16.06	26.26	0
	Moneypoint - MP3	285	73.05	11.28	15.67	0
	North Wall - NW5	104	91.6	6.14	2.21	0.05
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	97.27	0.02	1.06	1.65
	Poolbeg - PB5	154	98.28	0.2	1.16	0.36
	Poolbeg - PB6	182	89.92	4.57	2.93	2.58
	Turlough Hill - TH1	73	93.64	1.63	4.73	0
	Turlough Hill - TH2	73	91.38	3.91	4.71	0
	Turlough Hill - TH3	73	95.84	1.32	2.84	0
	Turlough Hill - TH4	73	95.36	1.96	2.68	0
	West Offaly Power - WO4	137	92.44	2.12	5.44	0
Indaver	Indaver – IW1	16	85.53	10.31	4.16	0
Synergen	Dublin Bay - DB1	405	93.65	2.05	1.89	2.41
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System Total 365 Day Rolling Availability			**86.39**	**8.54**	**2.14**	**0.93**

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