

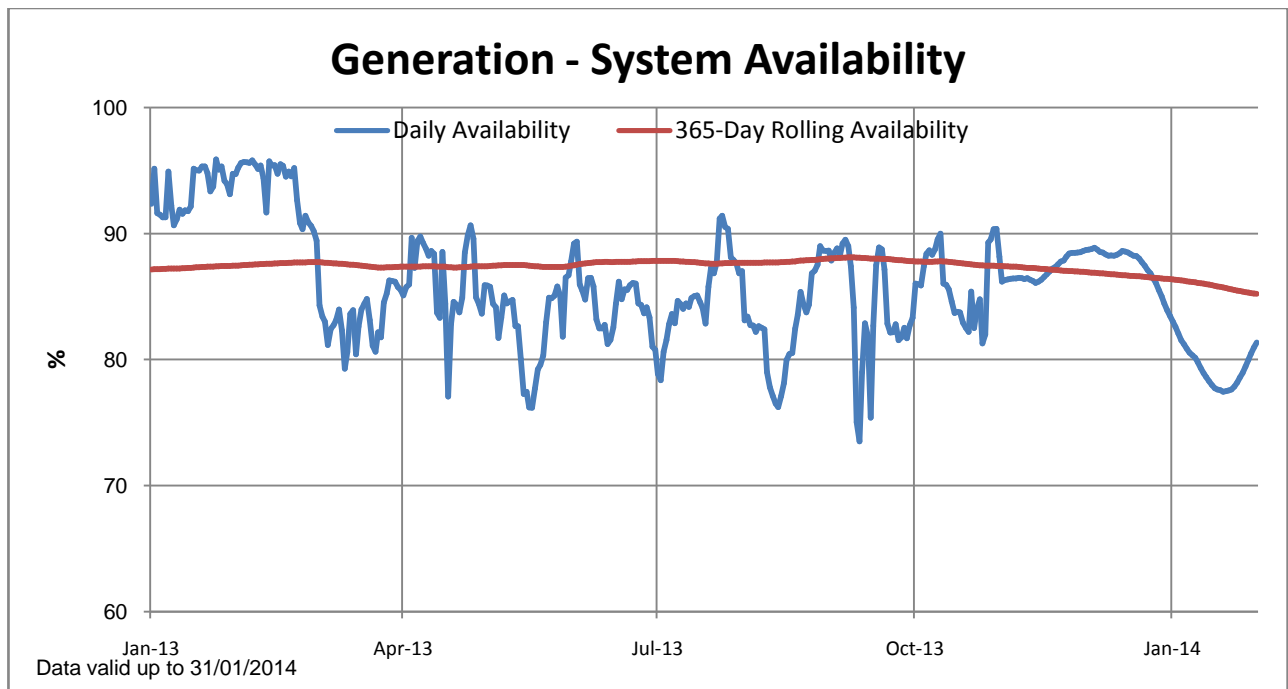


## EirGrid Monthly Availability Report – January 2014

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

### Key Points:

- The monthly forced outage rate increased from 10.95% in December to 17.2% in January.
- The monthly system availability decreased from 83.45% in December to 81.36% in January. The main scheduled outages in January were at Ardnacrusha station and Erne ER2.
- The main forced outages in January were Whitegate WG1, Aghada AD1, Moneypoint MP1 and MP2, Aghada AT4, Erne ER1, Turlough Hill TH 1-4 and long-term forced outages of North Wall NWC.
- The 365-day rolling availability decreased from 86.19% in December to 85.17% in January.



### Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 1<sup>st</sup> January to 00:00 1<sup>st</sup> February 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 – January 2014						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	38	63.33	33.64	3.03	0.00
Aughinish Alumina Ltd	Seal Rock - SK3	85	93.34	0.95	0.00	5.71
	Seal Rock - SK4	85	92.10	0.23	0.00	7.67
Bord Gáis	Whitegate – WG1	444	25.51	73.08	1.18	0.23
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	42.13	49.44	8.43	0.00
Edenderry Power Ltd	Edenderry – ED1	118	97.58	2.42	0.00	0.00
	Edenderry – ED3	58	100.00	0.00	0.00	0.00
	Edenderry – ED5	58	99.82	0.18	0.00	0.00
SSE Generation Ireland	Great Island - GI1	54	100.00	0.00	0.00	0.00
	Great Island - GI2	54	90.74	9.26	0.00	0.00
	Great Island - GI3	109	100.00	0.00	0.00	0.00
	Rhode – RP1	52	100.00	0.00	0.00	0.00
	Rhode – RP2	52	100.00	0.00	0.00	0.00
	Tarbert – TB1	54	100.00	0.00	0.00	0.00
	Tarbert – TB2	54	100.00	0.00	0.00	0.00
	Tarbert – TB3	241	95.46	4.54	0.00	0.00
	Tarbert – TB4	243	97.80	2.20	0.00	0.00
	Tawnaghmore - TP1	52	96.74	3.26	0.00	0.00
Tawnaghmore - TP3	52	99.83	0.17	0.00	0.00	
ESB Energy Ireland	Aghada - AD1	258	50.61	49.39	0.00	0.00
	Aghada - AD2	431	97.35	0.70	0.00	1.95
	Aghada - AT1	90	100.00	0.00	0.00	0.00
	Aghada - AT2	90	100.00	0.00	0.00	0.00
	Aghada - AT4	90	64.78	34.99	0.23	0.00
	Ardnacrusha - AA1	21	99.99	0.01	0.00	0.00
	Ardnacrusha - AA2	22	99.53	0.25	0.22	0.00
	Ardnacrusha - AA3	19	0.00	0.00	100.00	0.00
	Ardnacrusha - AA4	24	74.49	25.51	0.00	0.00
	Erne - ER1	10	0.00	100.00	0.00	0.00
	Erne - ER2	10	0.00	0.00	100.00	0.00
	Erne - ER3	22	99.71	0.08	0.21	0.00
	Erne - ER4	22	99.83	0.00	0.17	0.00
	Lee - LE1	15	100.00	0.00	0.00	0.00
	Lee - LE2	4	100.00	0.00	0.00	0.00
	Lee - LE3	8	100.00	0.00	0.00	0.00
	Liffey - LI1	15	99.43	0.57	0.00	0.00
	Liffey - LI2	15	100.00	0.00	0.00	0.00
	Liffey - LI4	4	99.89	0.11	0.00	0.00
	Liffey - LI5	4	100.00	0.00	0.00	0.00
	Lough Ree Power - LR4	91	100.00	0.00	0.00	0.00
	Marina - MRC	123	76.42	23.58	0.00	0.00
	Moneypoint - MP1	285	75.58	24.42	0.00	0.00
	Moneypoint - MP2	285	0.00	100.00	0.00	0.00
	Moneypoint - MP3	285	94.18	5.82	0.00	0.00
	North Wall - NW5	104	98.15	1.85	0.00	0.00
	North Wall – NWC	154	0.00	100.00	0.00	0.00
	Poolbeg - PB4	154	99.11	0.00	0.00	0.89
	Poolbeg - PB5	154	98.75	1.22	0.00	0.03
	Poolbeg - PB6	182	95.64	0.69	0.00	3.67
Turlough Hill - TH1	73	88.12	11.88	0.00	0.00	
Turlough Hill - TH2	73	84.65	15.35	0.00	0.00	
Turlough Hill - TH3	73	88.37	11.63	0.00	0.00	
Turlough Hill - TH4	73	88.11	11.89	0.00	0.00	
West Offaly Power - WO4	137	100.00	0.00	0.00	0.00	
Indaver	Indaver – IW1	16	94.20	5.74	0.06	0.00
Synergen	Dublin Bay - DB1	405	98.95	0.00	0.24	0.81
Tynagh Energy Ltd	Tynagh – TYC	384	98.18	0.00	0.00	1.82
Viridian Power & Energy	Huntstown - HN2	400	97.05	0.18	0.00	2.77
	Huntstown - HNC	342	96.91	0.00	0.00	3.09
<b>System Total Average Availability</b>			<b>81.36</b>	<b>17.2</b>	<b>0.56</b>	<b>0.88</b>

## Unit-by-Unit 365 Day Rolling Availability – January 2014 to January 2014

Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	38	69.23	24.89	5.88	0.00
Aughinish Alumina Ltd	Seal Rock - SK3	85	87.66	4.32	1.03	6.99
	Seal Rock - SK4	85	83.18	7.25	1.69	7.88
Bord Gáis Energy	Whitegate – WG1	444	86.57	9.83	3.12	0.48
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	25.23	55.30	19.47	0.00
Edenderry Power Ltd	Edenderry – ED1	118	77.49	5.69	16.82	0.00
	Edenderry – ED3	58	94.96	0.00	5.04	0.00
	Edenderry – ED5	58	94.94	0.02	5.04	0.00
SSE Generation Ireland	Great Island - GI1	54	98.88	0.64	0.48	0.00
	Great Island - GI2	54	89.68	9.50	0.82	0.00
	Great Island - GI3	109	91.19	7.62	1.19	0.00
	Rhode – RP1	52	98.57	0.02	1.41	0.00
	Rhode – RP2	52	98.59	0.00	1.41	0.00
	Tarbert – TB1	54	96.85	0.08	3.07	0.00
	Tarbert – TB2	54	99.92	0.08	0.00	0.00
	Tarbert – TB3	241	97.48	0.39	2.13	0.00
	Tarbert – TB4	243	98.49	1.51	0.00	0.00
	Tawnaghmore - TP1	52	99.53	0.47	0.00	0.00
Tawnaghmore - TP3	52	97.94	0.88	1.18	0.00	
ESB Energy Ireland	Aghada - AD1	258	47.80	52.20	0.00	0.00
	Aghada - AD2	431	91.91	1.72	4.90	1.47
	Aghada - AT1	90	94.75	3.74	1.36	0.15
	Aghada - AT2	90	94.73	4.32	0.81	0.14
	Aghada - AT4	90	86.70	9.55	3.60	0.15
	Ardnacrusha - AA1	21	62.91	5.16	31.93	0.00
	Ardnacrusha - AA2	22	69.20	1.52	29.28	0.00
	Ardnacrusha - AA3	19	34.01	1.06	64.93	0.00
	Ardnacrusha - AA4	24	59.49	6.60	33.91	0.00
	Erne - ER1	10	87.05	10.52	2.43	0.00
	Erne - ER2	10	42.35	0.00	57.65	0.00
	Erne - ER3	22	15.68	78.77	5.55	0.00
	Erne - ER4	22	98.63	0.02	1.35	0.00
	Lee - LE1	15	91.94	0.79	7.27	0.00
	Lee - LE2	4	93.76	0.18	6.06	0.00
	Lee - LE3	8	92.58	0.95	6.47	0.00
	Liffey - LI1	15	87.54	2.92	9.54	0.00
	Liffey - LI2	15	89.61	0.05	10.34	0.00
	Liffey - LI4	4	98.85	0.02	1.13	0.00
	Liffey - LI5	4	95.04	4.96	0.00	0.00
	Lough Ree Power - LR4	91	92.52	5.20	2.28	0.00
	Marina - MRC	123	76.42	23.58	0.00	0.00
	Moneypoint - MP1	285	92.16	4.65	3.19	0.00
	Moneypoint - MP2	285	64.88	10.45	24.67	0.00
	Moneypoint - MP3	285	73.42	10.91	15.67	0.00
	North Wall - NW5	104	91.53	6.21	2.21	0.05
	North Wall – NWC	154	0.00	100.00	0.00	0.00
	Poolbeg - PB4	154	97.35	0.02	1.06	1.57
	Poolbeg - PB5	154	98.29	0.20	1.16	0.35
	Poolbeg - PB6	182	90.12	4.57	2.93	2.38
	Turlough Hill - TH1	73	93.52	1.65	4.83	0.00
	Turlough Hill - TH2	73	89.53	5.76	4.71	0.00
	Turlough Hill - TH3	73	95.74	1.32	2.94	0.00
Turlough Hill - TH4	73	95.47	1.92	2.61	0.00	
West Offaly Power - WO4	137	92.31	2.37	5.32	0.00	
Indaver	Indaver – IW1	16	88.73	10.33	0.94	0.00
Synergen	Dublin Bay - DB1	405	93.59	2.08	1.91	2.42
Tynagh Energy Ltd	Tynagh – TYC	384	94.27	2.10	1.42	2.21
Viridian Power & Energy	Huntstown - HN2	400	87.07	0.14	9.48	3.31
	Huntstown - HNC	342	96.12	0.06	0.00	3.82
<b>System Total 365 Day Rolling Availability</b>			<b>85.17</b>	<b>8.86</b>	<b>4.9</b>	<b>1.07</b>