

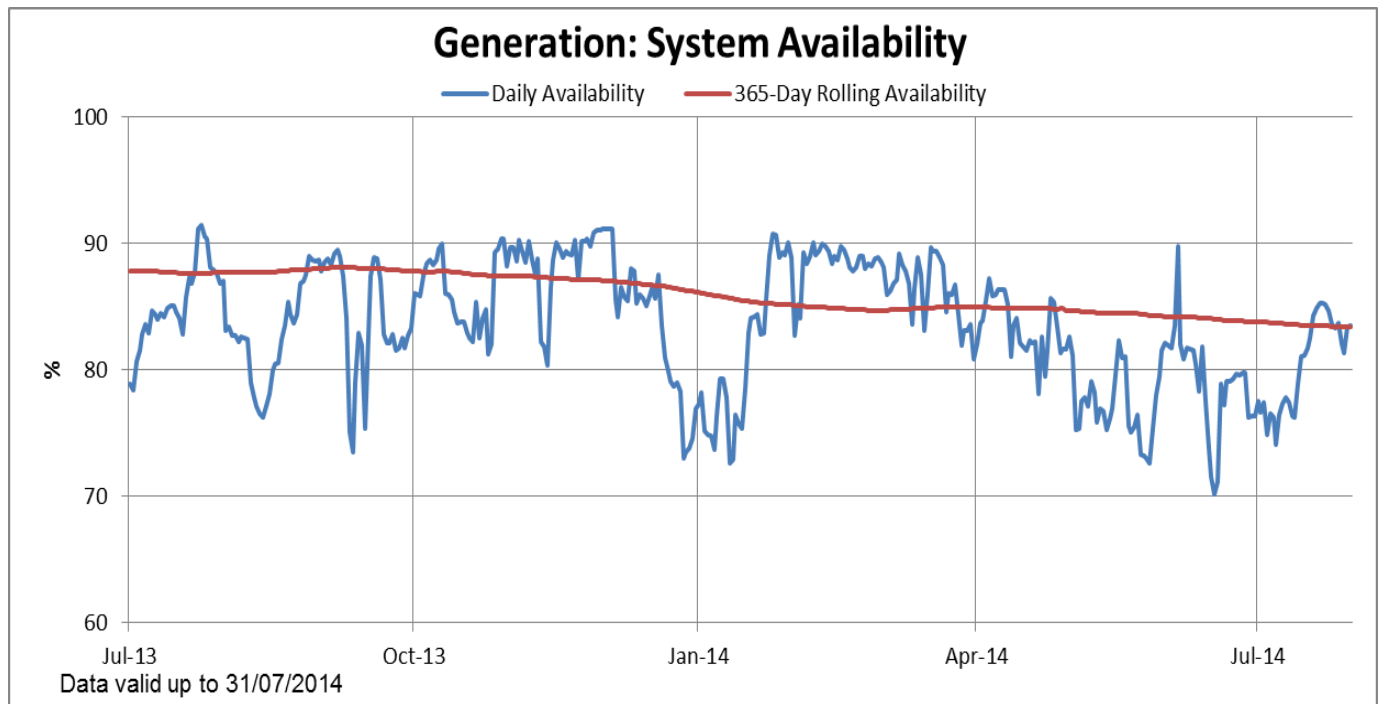


## EirGrid Monthly Availability Report – July 2014

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

### Key Points:

- The monthly forced outage rate decreased from 8.99% in June to 8.08% in July.
- The monthly system availability increased from 79.1% in June to 80.34% in July. The main scheduled outages in July were at Edenderry ED1, Electric Ireland EI1, Ardnacrusha station, Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Great Island GI2, Erne ER2, Moneypoint MP2, Turlough Hill station and Tarbert TB4.
- The main forced outages in July were Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Tawnaghmore TP1, Ardnacrusha AA4, Marina MRC, Erne ER1, Liffey LI1, Moneypoint MP1 and long-term forced outage of North Wall NWC.
- The 365-day rolling availability decreased from 83.79% in June to 83.36% in July.



### Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 1<sup>st</sup> July to 00:00 1<sup>st</sup> August 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)

### HOW TO CONTACT US

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## Unit-by-Unit Average Monthly Availability – July 2014

Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	87	62.84	23.99	13.17	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	82.03	0.15	8.16	9.66
	Seal Rock - SK4	85	86.24	0	0	13.76
Bord Gáis	Whitegate – WG1	444	97.2	0	0	2.8
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	26.02	54.07	19.91	0
Edenderry Power Ltd	Edenderry – ED1	118	76.18	1.79	22.03	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
Electric Ireland	Electric Ireland – EI1	17,81	78.46	2.8	18.74	0
SSE Generation Ireland	Great Island - GI1	54	100	0	0	0
	Great Island - GI2	54	90.74	0	9.26	0
	Great Island - GI3	109	100	0	0	0
	Rhode – RP1	52	99.73	0.27	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	99.18	0.82	0	0
	Tarbert – TB4	243	0	0	100	0
	Tawnaghmore - TP1	52	89.99	10.01	0	0
	Tawnaghmore - TP3	52	99.96	0.04	0	0
	ESB Energy Ireland	Aghada - AD1	258	100	0	0
Aghada - AD2		431	97.28	0.06	0	2.66
Aghada - AT1		90	94.15	0.02	5.25	0.58
Aghada - AT2		90	94.14	0.02	5.25	0.59
Aghada - AT4		90	99.24	0.02	0	0.74
Ardnacrusha - AA1		21	29.5	0.05	70.45	0
Ardnacrusha - AA2		22	29.65	0	70.35	0
Ardnacrusha - AA3		19	0	0	100	0
Ardnacrusha - AA4		24	8.77	33.13	58.1	0
Erne - ER1		10	80	20	0	0
Erne - ER2		10	0	0	100	0
Erne - ER3		22	100	0	0	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	78.24	21.76	0	0
Liffey - LI2		15	98.02	1.98	0	0
Liffey - LI4		4	100	0	0	0
Liffey - LI5		4	100	0	0	0
Lough Ree Power - LR4		91	99.14	0.86	0	0
Marina - MRC		95	75.7	23.41	0.89	0
Moneypoint - MP1		285	0	100	0	0
Moneypoint - MP2		285	52.86	4.13	43.01	0
Moneypoint - MP3		285	100	0	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	95.59	0	0	4.41
Poolbeg - PB5		154	98.05	0	0	1.95
Poolbeg - PB6		182	97.37	0	0	2.63
Turlough Hill - TH1		73	39.55	0.47	59.98	0
Turlough Hill - TH2		73	41.71	0	58.29	0
Turlough Hill - TH3		73	42.65	0	57.35	0
Turlough Hill - TH4		73	45.75	0.11	54.14	0
West Offaly Power - WO4		137	95.98	1.94	2.08	0
Indaver		Indaver – IW1	16	98.35	1.65	0
Synergen	Dublin Bay - DB1	405	95.2	2.5	0	2.3
Tynagh Energy Ltd	Tynagh – TYC	384	95.75	0.1	0	4.15
Viridian Power & Energy	Huntstown - HN2	400	94.24	0	0.02	5.74
	Huntstown - HNC	342	93.27	0	0	6.73
<b>System Total Average Availability</b>			<b>80.34</b>	<b>8.08</b>	<b>9.69</b>	<b>1.89</b>

## Unit-by-Unit 365 Day Rolling Availability – July 2013 to July 2014

Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	87	65.5	23.48	11.02	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.39	1.92	1.86	7.83
	Seal Rock - SK4	85	87.76	0.99	1.91	9.34
Bord Gáis Energy	Whitegate – WG1	444	76	10.66	12.49	0.85
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	25.36	44.99	29.65	0
Edenderry Power Ltd	Edenderry – ED1	118	93.08	3.69	3.23	0
	Edenderry – ED3	58	99.9	0	0.1	0
	Edenderry – ED5	58	99.88	0.02	0.1	0
Electric Ireland	Electric Ireland – E11	17.81	14.05	82.26	3.69	0
SSE Generation Ireland	Great Island - GI1	54	99.56	0.01	0.43	0
	Great Island - GI2	54	90.35	5.62	4.03	0
	Great Island - GI3	109	98.96	0.61	0.43	0
	Rhode – RP1	52	97.75	0.84	1.41	0
	Rhode – RP2	52	98.58	0.01	1.41	0
	Tarbert – TB1	54	99.64	0.36	0	0
	Tarbert – TB2	54	99.67	0.03	0.3	0
	Tarbert – TB3	241	97.19	1.34	1.47	0
	Tarbert – TB4	243	85.77	1.51	12.72	0
	Tawnaghmore - TP1	52	97.08	1.45	1.47	0
Tawnaghmore - TP3	52	97.92	0.9	1.18	0	
ESB Energy Ireland	Aghada - AD1	258	88.45	11.55	0	0
	Aghada - AD2	431	78.38	1.81	18.25	1.56
	Aghada - AT1	90	98.45	0.22	1.22	0.11
	Aghada - AT2	90	97.61	1.57	0.72	0.1
	Aghada - AT4	90	91.85	5.9	2.13	0.12
	Ardnacrusa - AA1	21	68.36	7.68	23.96	0
	Ardnacrusa - AA2	22	65.05	1.13	33.82	0
	Ardnacrusa - AA3	19	1.31	0.36	98.33	0
	Ardnacrusa - AA4	24	65.1	11.1	23.8	0
	Erne - ER1	10	75.27	21.37	3.36	0
	Erne - ER2	10	0	0	100	0
	Erne - ER3	22	55.06	32.45	12.49	0
	Erne - ER4	22	98.78	0.02	1.2	0
	Lee - LE1	15	91.24	1.78	6.98	0
	Lee - LE2	4	94.24	0.58	5.18	0
	Lee - LE3	8	92.79	0.13	7.08	0
	Liffey - LI1	15	87.7	2.08	10.22	0
	Liffey - LI2	15	88.76	0.23	11.01	0
	Liffey - LI4	4	98.2	0.03	1.77	0
	Liffey - LI5	4	96.73	0.16	3.11	0
	Lough Ree Power - LR4	91	86.16	2.71	11.13	0
	Marina - MRC	95	59.15	40.77	0.08	0
	Moneypoint - MP1	285	69.07	30.88	0.05	0
	Moneypoint - MP2	285	46.86	18.72	34.42	0
	Moneypoint - MP3	285	74.67	9.75	15.58	0
	North Wall - NW5	104	93.98	5.97	0.0	0.05
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	98.16	0.03	0	1.81
	Poolbeg - PB5	154	97.19	0.24	2.12	0.45
	Poolbeg - PB6	182	95.89	0.26	1.09	2.76
	Turlough Hill - TH1	73	86.56	2.55	10.89	0
	Turlough Hill - TH2	73	85.99	3.04	10.97	0
	Turlough Hill - TH3	73	88.32	1.04	10.64	0
Turlough Hill - TH4	73	87.89	1.64	10.47	0	
West Offaly Power - WO4	137	89.72	1.13	9.15	0	
Indaver	Indaver – IW1	16	87.78	6.99	5.23	0
Synergen	Dublin Bay - DB1	405	92	2.15	4.36	1.49
Tynagh Energy Ltd	Tynagh – TYC	384	94.7	1.46	1.84	2
Viridian Power & Energy	Huntstown - HN2	400	93.72	0.1	2.64	3.54
	Huntstown - HNC	342	96.01	0.08	0	3.91
<b>System Total 365 Day Rolling Availability</b>			<b>83.36</b>	<b>8.48</b>	<b>7.07</b>	<b>1.09</b>