

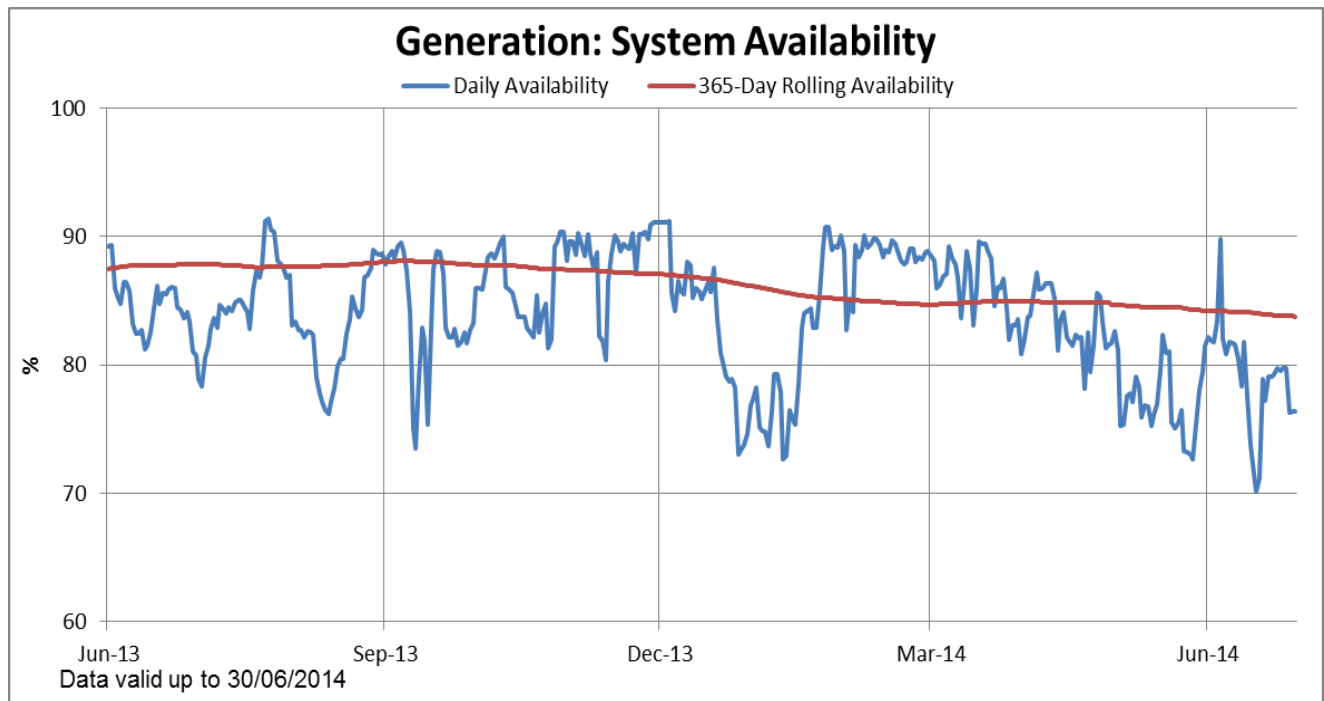


EirGrid Monthly Availability Report – June 2014

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

Key Points:

- The monthly forced outage rate increased from 8.48% in May to 8.99% in June.
- The monthly system availability increased from 77.25% in May to 79.1% in June. The main scheduled outages in June were at Whitegate WG1, Electric Ireland EI1, Ardnacrusha station, Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Great Island GI2, Erne ER2, Lee LE1 & LE3, Lough Ree LR4, Moneypoint MP2, Dublin Bay DB1, Turlough Hill station and Tarbert TB4.
- The main forced outages in June were Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Ardnacrusha AA4, Marina MRC, Erne ER1 & ER3, Indaver IW1, Moneypoint MP1 & MP2 and long-term forced outage of North Wall NWC.
- The 365-day rolling availability decreased from 84.24% in May to 83.79% in June.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st June to 00:00 1st July 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 – June 2014						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	87	70.16	15.69	14.15	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.31	0.02	0	11.67
	Seal Rock - SK4	85	86.91	0.02	0	13.07
Bord Gáis	Whitegate – WG1	444	78.95	3.29	16.14	1.62
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	41.42	49.68	8.9	0
Edenderry Power Ltd	Edenderry – ED1	118	99.75	0.25	0	0
	Edenderry – ED3	58	100	0.02	0	0
	Edenderry – ED5	58	100	0.02	0	0
Electric Ireland	Electric Ireland – EI1	17.81	78.95	3.29	16.14	1.62
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	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	51.25	0	48.75	0
	Tawnaghmore - TP1	52	100	0	0	0
Tawnaghmore - TP3	52	100	0	0	0	
ESB Energy Ireland	Aghada - AD1	258	99.94	0.06	0	0
	Aghada - AD2	431	96.92	1.22	0	1.86
	Aghada - AT1	90	99.81	0.09	0	0.1
	Aghada - AT2	90	99.75	0.14	0	0.11
	Aghada - AT4	90	99.8	0.09	0	0.11
	Ardnacrusha - AA1	21	48.44	0.66	50.9	0
	Ardnacrusha - AA2	22	28.03	0	71.97	0
	Ardnacrusha - AA3	19	0	0	100	0
	Ardnacrusha - AA4	24	46.67	29.23	24.1	0
	Erne - ER1	10	79.53	19.88	0.59	0
	Erne - ER2	10	0	0	100	0
	Erne - ER3	22	60.6	39.4	0	0
	Erne - ER4	22	100	0	0	0
	Lee - LE1	15	90.73	0	9.27	0
	Lee - LE2	4	100	0	0	0
	Lee - LE3	8	39.03	0	60.97	0
	Liffey - LI1	15	100	0	0	0
	Liffey - LI2	15	99.51	0.49	0	0
	Liffey - LI4	4	99.88	0.12	0	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	89.51	1.03	9.46	0
	Marina - MRC	95	76.27	23.73	0	0
	Moneypoint - MP1	285	0	100	0	0
	Moneypoint - MP2	285	68.45	21.55	10	0
	Moneypoint - MP3	285	99.06	0.94	0	0
	North Wall - NW5	104	98.06	1.94	0.0	0.0
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	97.38	0	0	2.62
	Poolbeg - PB5	154	99.52	0	0	0.48
	Poolbeg - PB6	182	97.42	0	0	2.58
	Turlough Hill - TH1	73	44.42	0	55.58	0
	Turlough Hill - TH2	73	43.46	0.94	55.6	0
	Turlough Hill - TH3	73	44.4	0	55.6	0
Turlough Hill - TH4	73	44.37	0.04	55.59	0	
West Offaly Power - WO4	137	19.91	0	80.09	0	
Indaver	Indaver – IW1	16	86.38	13.62	0	0
Synergen	Dublin Bay - DB1	405	57.9	4.2	37.19	0.71
Tynagh Energy Ltd	Tynagh – TYC	384	97.44	0	0	2.56
Viridian Power & Energy	Huntstown - HN2	400	95.55	0	0	4.45
	Huntstown - HNC	342	94.27	0.25	0	5.48
System Total Average Availability			79.1	8.99	10.53	1.38

Unit-by-Unit 365 Day Rolling Availability – June 2013 to June 2014

Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	87	66.45	23.5	10.05	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.87	1.91	1.16	8.06
	Seal Rock - SK4	85	87.55	0.99	2.29	9.17
Bord Gáis Energy	Whitegate – WG1	444	76.05	10.78	12.49	0.68
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	24.78	47.47	27.75	0
Edenderry Power Ltd	Edenderry – ED1	118	93.65	4.18	2.17	0
	Edenderry – ED3	58	94.86	0	5.14	0
	Edenderry – ED5	58	94.84	0.02	5.14	0
Electric Ireland	Electric Ireland – E11	17.81	0.04	97.87	2.09	0
SSE Generation Ireland	Great Island - GI1	54	99.5	0.07	0.43	0
	Great Island - GI2	54	90.26	6.49	3.25	0
	Great Island - GI3	109	93.99	5.58	0.43	0
	Rhode – RP1	52	97.77	0.82	1.41	0
	Rhode – RP2	52	98.58	0.01	1.41	0
	Tarbert – TB1	54	96.57	0.36	3.07	0
	Tarbert – TB2	54	99.67	0.03	0.3	0
	Tarbert – TB3	241	95.57	1.27	3.16	0
	Tarbert – TB4	243	94.26	1.51	4.23	0
	Tawnaghmore - TP1	52	97.93	0.6	1.47	0
Tawnaghmore - TP3	52	97.93	0.89	1.18	0	
ESB Energy Ireland	Aghada - AD1	258	82.48	17.52	0	0
	Aghada - AD2	431	78.31	1.81	18.25	1.63
	Aghada - AT1	90	98.87	0.21	0.77	0.15
	Aghada - AT2	90	98.02	1.57	0.27	0.14
	Aghada - AT4	90	91.81	5.92	2.13	0.14
	Ardnacrusa - AA1	21	66.76	7.67	25.57	0
	Ardnacrusa - AA2	22	63.43	1.13	35.44	0
	Ardnacrusa - AA3	19	2.21	0.36	97.43	0
	Ardnacrusa - AA4	24	65.22	8.42	26.36	0
	Erne - ER1	10	75.65	19.67	4.68	0
	Erne - ER2	10	2.29	0	97.71	0
	Erne - ER3	22	46.56	40.95	12.49	0
	Erne - ER4	22	97.6	0.03	2.37	0
	Lee - LE1	15	91.24	1.78	6.98	0
	Lee - LE2	4	94.24	0.58	5.18	0
	Lee - LE3	8	92.46	0.13	7.41	0
	Liffey - LI1	15	89.55	0.23	10.22	0
	Liffey - LI2	15	88.9	0.09	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	84.53	4.34	11.13	0
	Marina - MRC	95	59.22	40.78	0	0
	Moneypoint - MP1	285	77.4	22.55	0.05	0
	Moneypoint - MP2	285	50.68	18.55	30.77	0
	Moneypoint - MP3	285	73.23	9.77	17	0
	North Wall - NW5	104	93.61	6.3	0.04	0.05
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	98.2	0.03	0	1.77
	Poolbeg - PB5	154	97.23	0.24	2.12	0.41
	Poolbeg - PB6	182	95.27	0.89	1.09	2.75
	Turlough Hill - TH1	73	91.63	2.57	5.8	0
	Turlough Hill - TH2	73	89.73	4.25	6.02	0
	Turlough Hill - TH3	73	93.1	1.14	5.76	0
Turlough Hill - TH4	73	92.07	2.05	5.88	0	
West Offaly Power - WO4	137	89.95	1.07	8.98	0	
Indaver	Indaver – IW1	16	86.93	7.84	5.23	0
Synergen	Dublin Bay - DB1	405	91.93	1.94	4.36	1.77
Tynagh Energy Ltd	Tynagh – TYC	384	94.61	1.46	1.84	2.09
Viridian Power & Energy	Huntstown - HN2	400	93.59	0.17	2.64	3.6
	Huntstown - HNC	342	95.98	0.08	0	3.94
System Total 365 Day Rolling Availability			83.79	8.5	6.6	1.11