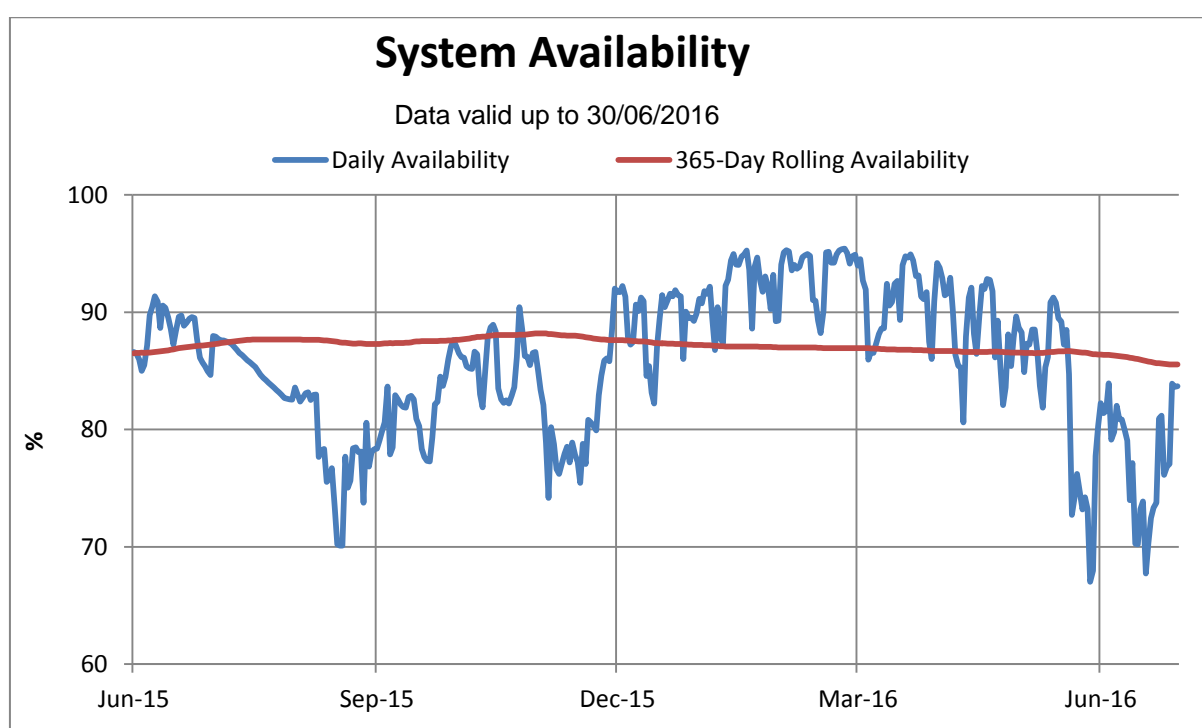


EirGrid Monthly Availability Report – June 2016

This report for June 2016, details the availability performance of the conventional generation units on the power system¹.

Key Points:

- The monthly forced outage rate decreased from 10.67% in May to 6.54% in June.
- The monthly system availability decreased from 82.43% in May to 76.66% in June.
- The monthly scheduled outage rate increased from 5.84% in May to 14.54% in June.
- The 365-day rolling availability decreased slightly in June 2016.



Definitions

Availability: the capacity-weighted percentage of the time 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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¹ Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

Table 1: Unit-by-Unit Average Monthly Availability – June 2016

Unit-by-Unit Average Monthly Availability – June 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	87.48	0	4.32	8.2
	Seal Rock - SK4	85	92.25	0	0	7.75
Bord Gáis	Whitegate – WG1	444	37.16	0	61.73	1.11
Edenderry Power Ltd	Edenderry – ED1	118	29.05	70.82	0.13	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island – GI4	461	97.15	0	0	2.85
	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	92.23	7.77	0	0
	Tarbert – TB4	243	86.44	11.6	1.96	0
	Tawnaghmore - TP1 Tawnaghmore - TP3	52 52	100 44.31	0 0	0 55.69	0 0
ESB Energy Ireland	Aghada - AD1	258	100	0	0	0
	Aghada - AD2	431	86.31	1.89	10.68	1.12
	Aghada - AT1	90	100	0	0	0
	Aghada - AT2	90	100	0	0	0
	Aghada - AT4	90	100	0	0	0
	Ardnacrusha - AA1	21	43.63	2.19	54.18	0
	Ardnacrusha - AA2	22	45.82	0	54.18	0
	Ardnacrusha - AA3	19	37.91	0.02	62.07	0
	Ardnacrusha - AA4	24	45.8	0	54.2	0
	Erne - ER1	10	100	0	0	0
	Erne - ER2	10	95.9	4.1	0	0
	Erne - ER3	22	22.13	0	77.87	0
	Erne - ER4	22	100	0	0	0
	Lee - LE1	15	0	0	100	0
	Lee - LE2	4	0	0	100	0
	Lee - LE3	8	100	0	0	0
	Liffey - LI1	15	96.55	3.45	0	0
	Liffey - LI2	15	100	0	0	0
	Liffey - LI4	4	0	0	100	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	94.78	5.22	0	0
	Marina - MRC	123	98.95	0	0	1.05
	Moneypoint - MP1	285	87.37	12.63	0	0
	Moneypoint - MP2	285	99.96	0.04	0	0
	Moneypoint - MP3	285	98.93	1.07	0	0
	North Wall – NW5	104	99.94	0.06	0	0
	Poolbeg – PBA	231	80	4.05	15.95	0
	Poolbeg - PBB	231	46.04	3.64	50.32	0
	Turlough Hill - TH1	73	49.87	0	50.13	0
	Turlough Hill - TH2	73	49.42	0.04	50.54	0
Turlough Hill - TH3	73	88.34	0	11.66	0	
Turlough Hill - TH4	73	86.72	1.2	12.08	0	
West Offaly Power - WO4	137	61.55	33.58	4.87	0	
Indaver	Indaver – IW1	16	76.26	23.74	0	0
Synergen	Dublin Bay - DB1	405	97.71	0	0	2.29
Tynagh Energy Ltd	Tynagh – TYC	384	78.77	0	17.78	3.45
Viridian Power & Energy	Huntstown - HN2	400	90.54	0	3.9	5.56
	Huntstown - HNC	342	37.49	3.44	56.66	2.41
System Total Average Availability			76.66	6.54	14.54	1.24

Table 2: Unit-by-Unit 365 Day Rolling Availability – June 2015 to June 2016

Unit-by-Unit 365 Day Rolling Availability – June 2015 to June 2016						
Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.89	2.84	1.84	6.43
	Seal Rock - SK4	85	90.77	1.26	2.36	5.61
Bord Gáis	Whitegate – WG1	444	88.81	1.65	8.74	0.8
Edenderry Power Ltd	Edenderry – ED1	118	77.79	18.96	3.25	0
	Edenderry – ED3	58	99.85	0.15	0	0
	Edenderry – ED5	58	99.82	0.18	0	0
SSE Generation Ireland	Great Island – GI4	461	81.94	11.46	5.81	0.79
	Rhode – RP1	52	93.51	2.83	3.66	0
	Rhode – RP2	52	96	0.34	3.66	0
	Tarbert – TB1	54	63.96	0	36.04	0
	Tarbert – TB2	54	69.41	0.26	30.33	0
	Tarbert – TB3	241	98.81	0.98	0.21	0
	Tarbert – TB4	243	94.24	5.6	0.16	0
	Tawnaghmore - TP1 Tawnaghmore - TP3	52 52	97.13 92.71	1.17 0.44	1.7 6.85	0 0
ESB Energy Ireland	Aghada - AD1	258	93.83	5.4	0.77	0
	Aghada - AD2	431	95.56	0.36	3.4	0.68
	Aghada - AT1	90	96.66	0.37	2.95	0.02
	Aghada - AT2	90	96.38	0.4	3.03	0.19
	Aghada - AT4	90	95.42	1.02	3.52	0.04
	Ardnacrusha - AA1	21	75.03	0.93	24.04	0
	Ardnacrusha - AA2	22	71.67	1.03	27.3	0
	Ardnacrusha - AA3	19	73.3	1.06	25.64	0
	Ardnacrusha - AA4	24	68.23	3.73	28.04	0
	Erne - ER1	10	27.22	0.16	72.62	0
	Erne - ER2	10	96	0.96	3.04	0
	Erne - ER3	22	92.83	0.7	6.47	0
	Erne - ER4	22	97.42	1.48	1.1	0
	Lee - LE1	15	65.68	1.93	32.39	0
	Lee - LE2	4	75.39	0.28	24.33	0
	Lee - LE3	8	99.63	0.23	0.14	0
	Liffey - LI1	15	32.17	1.71	66.12	0
	Liffey - LI2	15	36.91	5.11	57.98	0
	Liffey - LI4	4	26.2	0.6	73.2	0
	Liffey - LI5	4	97.34	0.34	2.32	0
	Lough Ree Power - LR4	91	93.09	2.93	3.98	0
	Marina - MRC	123	86.89	0.57	11.65	0.89
	Moneypoint - MP1	285	85.98	13.38	0.64	0
	Moneypoint - MP2	285	67.33	9.91	22.76	0
	Moneypoint - MP3	285	87.04	10.06	2.9	0
	North Wall – NW5	104	90.03	4.46	5.03	0.48
	Poolbeg – PBA*	231	84.29	3.19	12.52	0
Poolbeg – PBB*	231	57.65	2.85	39.5	0	
Turlough Hill - TH1	73	92.72	0	7.28	0	
Turlough Hill - TH2	73	92.52	0.24	7.24	0	
Turlough Hill - TH3	73	96.16	0.4	3.44	0	
Turlough Hill - TH4	73	96.49	0.17	3.34	0	
West Offaly Power - WO4	137	89.02	4.79	6.19	0	
Indaver	Indaver – IW1	16	86.94	13.06	0	0
Synergen	Dublin Bay - DB1	405	96.57	0.52	1.94	0.97
Tynagh Energy Ltd	Tynagh – TYC	384	95.82	0.16	1.58	2.44
Viridian Power & Energy	Huntstown - HN2	400	94.22	1.04	1.31	3.43
	Huntstown - HNC	342	87.61	0.72	8.4	3.27
System Total 365 Day Rolling Availability			86.31	6.82	5.96	0.91

* Figures representative since these units became effective and Poolbeg 4, 5 and 6 were deregistered from the SEM on 24/05/2016