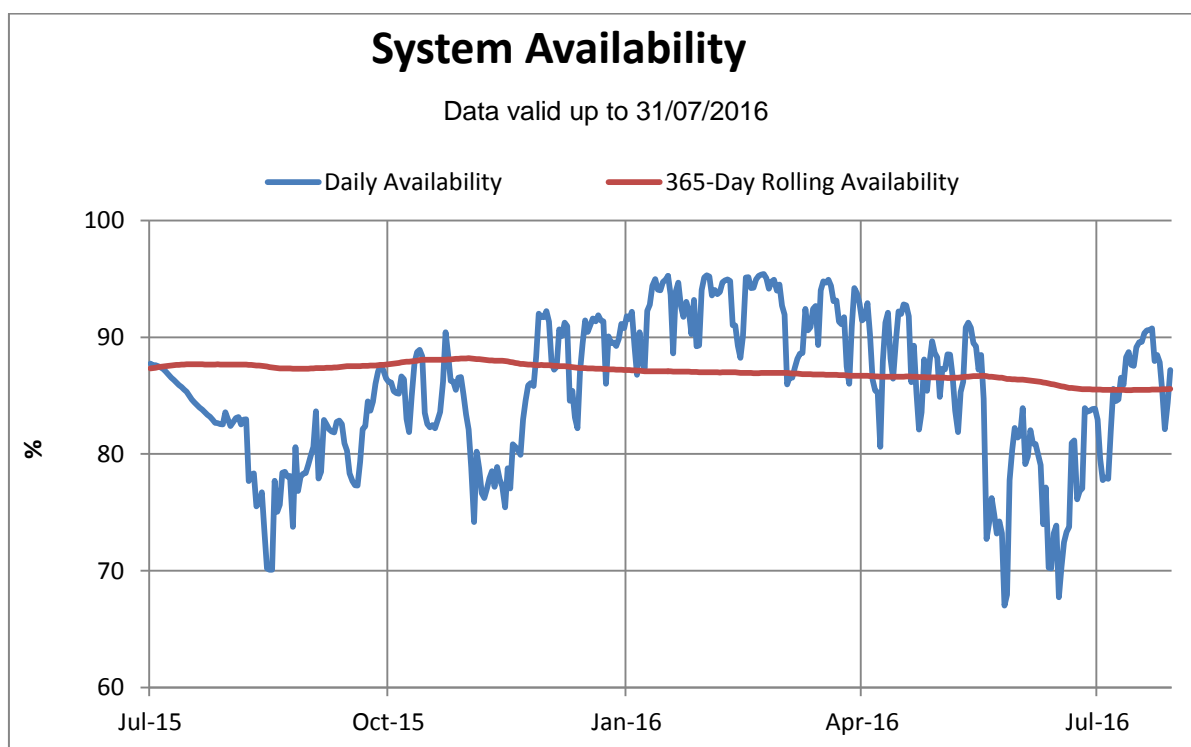


EirGrid Monthly Availability Report – July 2016

This report for July 2016, details the availability performance of the centrally dispatched units on the power system¹.

Key Points:

- The monthly forced outage rate decreased from 6.54% in June to 5.22% in July
- The monthly system availability increased from 76.66% in June to 85.78% in July
- The monthly scheduled outage rate decreased from 14.54% in June to 7.65% in July
- The 365-day rolling availability increased slightly in July 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)

HOW TO CONTACT US

General Queries

Email: info@eirgrid.com

Email: PSOP@eirgrid.com

www.eirgridgroup.com

¹ Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – July 2016

Unit-by-Unit Average Monthly Availability – July 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	91.42	0	0	8.58
	Seal Rock - SK4	85	6.87	0	92.61	0.52
Bord Gáis	Whitegate – WG1	444	97.8	0	0	2.2
Edenderry Power Ltd	Edenderry – ED1	118	84.96	15.04	0	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island – GI4	461	92.89	0	4.32	2.79
	Rhode – RP1	52	100	0	0	0
	Rhode – RP2	52	100	0	0	0
	Tarbert – TB1	54	91.73	0	8.27	0
	Tarbert – TB2	54	95.11	0	4.89	0
	Tarbert – TB3	241	98.06	0	1.94	0
	Tarbert – TB4	243	100	0	0	0
	Tawnaghmore - TP1	52	100	0	0	0
Tawnaghmore - TP3	52	100	0	0	0	
ESB Energy Ireland	Aghada - AD1	258	100	0	0	0
	Aghada - AD2	431	98.79	0	0	1.21
	Aghada - AT1	90	85.9	0	14.1	0
	Aghada - AT2	90	85.9	0	14.1	0
	Aghada - AT4	90	100	0	0	0
	Ardnacrusha - AA1	21	50.84	0	49.16	0
	Ardnacrusha - AA2	22	50.84	0	49.16	0
	Ardnacrusha - AA3	19	50.84	0	49.16	0
	Ardnacrusha - AA4	24	50.84	0	49.16	0
	Erne - ER1	10	93.2	6.78	0.02	0
	Erne - ER2	10	54.81	45.19	0	0
	Erne - ER3	22	99.67	0.33	0	0
	Erne - ER4	22	84.76	0	15.24	0
	Lee - LE1	15	0	0	100	0
	Lee - LE2	4	0	0	100	0
	Lee - LE3	8	78.49	0	21.51	0
	Liffey - LI1	15	100	0	0	0
	Liffey - LI2	15	99.36	0.64	0	0
	Liffey - LI4	4	0	0	100	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	93.36	6.64	0	0
	Marina - MRC	123	98.95	0	0	1.05
	Moneypoint - MP1	285	87.94	12.06	0	0
	Moneypoint - MP2	285	90.28	9.72	0	0
	Moneypoint - MP3	285	99.19	0.81	0	0
	North Wall – NW5	104	100	0	0	0
	Poolbeg – PBA	231	100	0	0	0
Poolbeg - PBB	231	100	0	0	0	
Turlough Hill - TH1	73	100	0	0	0	
Turlough Hill - TH2	73	88.96	11.04	0	0	
Turlough Hill - TH3	73	74.99	0	25.01	0	
Turlough Hill - TH4	73	75	0	25	0	
West Offaly Power - WO4	137	62.25	0.69	37.06	0	
Indaver	Indaver – IW1	16	98.8	1.2	0	0
Synergen	Dublin Bay - DB1	405	96.86	0	0	3.14
Tynagh Energy Ltd	Tynagh – TYC	384	83.83	12.08	0.48	3.61
Viridian Power & Energy	Huntstown - HN2	400	91.61	2.03	0	6.36
	Huntstown - HNC	342	48.89	0	47.97	3.14

*PBA and PBB effective in the SEM since 24th May 2016

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – July 2016

Unit-by-Unit Average Monthly Availability – July 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	101	46.13	44.16	9.71	0
	Activation Energy 2 – AE2	11	59.95	40.05	0	0
	Activation Energy 3 – AE3	14	85.73	8.56	5.71	0
	Activation Energy 4 – AE4	11	91.67	0	8.33	0
	Activation Energy 5 – AE5	15	25.76	55.34	18.9	0
DAE VPP	DAE VPP – DP1	39	43.16	8.43	48.41	0
Endeco	Endeco 1 – EC1	34	75.61	0.24	24.15	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	20	68.09	28.84	3.07	0
Electric Ireland	Electric Ireland – EI1	20	84.52	5	10.48	0
Energy Trading Ireland	Energy Trading – ET1	11	95.34	4.66	0	0
Powerhouse	Powerhouse – PG1	7	86.65	13.35	0	0
Viridian Power & Energy	Viridian Energy – VE1	7	60.86	0	39.14	0

Table 3: System Total Average Monthly Availability – July 2016

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	85.78	5.22	7.65	1.35

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – July 2015 to July 2016

Unit-by-Unit 365 Day Rolling Availability – July 2015 to July 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.96	2.84	1.84	6.36
	Seal Rock - SK4	85	83.51	1.26	10.22	5.01
Bord Gáis	Whitegate – WG1	444	88.83	1.64	8.74	0.79
Edenderry Power Ltd	Edenderry – ED1	118	85.01	11.74	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	81.83	11.01	6.18	0.98
	Rhode – RP1	52	93.51	2.83	3.66	0
	Rhode – RP2	52	96	0.34	3.66	0
	Tarbert – TB1	54	71.75	0	28.25	0
	Tarbert – TB2	54	77.49	0.26	22.25	0
	Tarbert – TB3	241	98.64	0.98	0.38	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	95.59	0.36	3.4	0.65
	Aghada - AT1	90	95.47	0.37	4.15	0.01
	Aghada - AT2	90	95.26	0.4	4.22	0.12
	Aghada - AT4	90	95.42	1.02	3.52	0.04
	Ardnacrusha - AA1	21	75.99	0.93	23.08	0
	Ardnacrusha - AA2	22	75.68	1.03	23.29	0
	Ardnacrusha - AA3	19	74.58	0.77	24.65	0
	Ardnacrusha - AA4	24	69.38	3.71	26.91	0
	Erne - ER1	10	35.13	0.74	64.13	0
	Erne - ER2	10	92.16	4.8	3.04	0
	Erne - ER3	22	92.8	0.73	6.47	0
	Erne - ER4	22	96.63	1.48	1.89	0
	Lee - LE1	15	65.31	1.93	32.76	0
	Lee - LE2	4	67.17	0	32.83	0
	Lee - LE3	8	97.81	0.23	1.96	0
	Liffey - LI1	15	40.66	1.71	57.63	0
	Liffey - LI2	15	45.35	5.17	49.48	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	92.6	3.42	3.98	0
	Marina - MRC	123	92.23	0.53	6.26	0.98
	Moneypoint - MP1	285	85.52	13.84	0.64	0
	Moneypoint - MP2	285	71	10.4	18.6	0
	Moneypoint - MP3	285	87	10.1	2.9	0
	North Wall – NW5	104	90.19	4.3	5.03	0.48
	Poolbeg – PBA	231	91.33	1.76	6.91	0
	Poolbeg - PBB	231	76.61	1.58	21.81	0
	Turlough Hill - TH1	73	92.72	0	7.28	0
	Turlough Hill - TH2	73	91.58	1.18	7.24	0
Turlough Hill - TH3	73	95.98	0.39	3.63	0	
Turlough Hill - TH4	73	96.29	0.17	3.54	0	
West Offaly Power - WO4	137	85.91	4.85	9.24	0	
Indaver	Indaver – IW1	16	87.35	12.65	0	0
Synergen	Dublin Bay - DB1	405	96.46	0.52	1.94	1.08
Tynagh Energy Ltd	Tynagh – TYC	384	94.76	1.18	1.62	2.44
Viridian Power & Energy	Huntstown - HN2	400	94.35	0.77	1.31	3.57
	Huntstown - HNC	342	83.71	0.72	12.48	3.09

*PBA and PBB effective in the SEM since 24th May 2016

Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – July 2015 to July 2016

Unit-by-Unit 365 Day Rolling Availability – July 2015 to July 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	101	49.54	37.95	12.51	0
	Activation Energy 2 – AE2	11	67.43	31.99	.58	0
	Activation Energy 3 – AE3	14	89.43	5.74	4.83	0
	Activation Energy 4 – AE4	11	89.95	8.16	1.89	0
	Activation Energy 5 – AE5	15	10.87	82.48	6.65	0
DAE VPP	DAE VPP – DP1	39	38.42	55.85	5.73	0
Endeco	Endeco 1 – EC1	34	68.31	0.02	31.67	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	20	66.59	24.6	8.81	0
Electric Ireland	Electric Ireland – EI1	20	80.08	6.47	13.45	0
Energy Trading Ireland	Energy Trading – ET1	11	80.21	19.79	0	0
Powerhouse	Powerhouse – PG1	7	80.43	19.57	0	0
Viridian Power & Energy	Viridian Energy – VE1	7	44.99	0	55.01	0

*Figures are reflective since AE4 and AE5 became effective in the SEM on 10/05/16 and 12/04/16 respectively

Table 6: 365 Day Rolling System Total Average Availability – July 2015 to July 2016

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	86.38	6.77	5.95	0.9