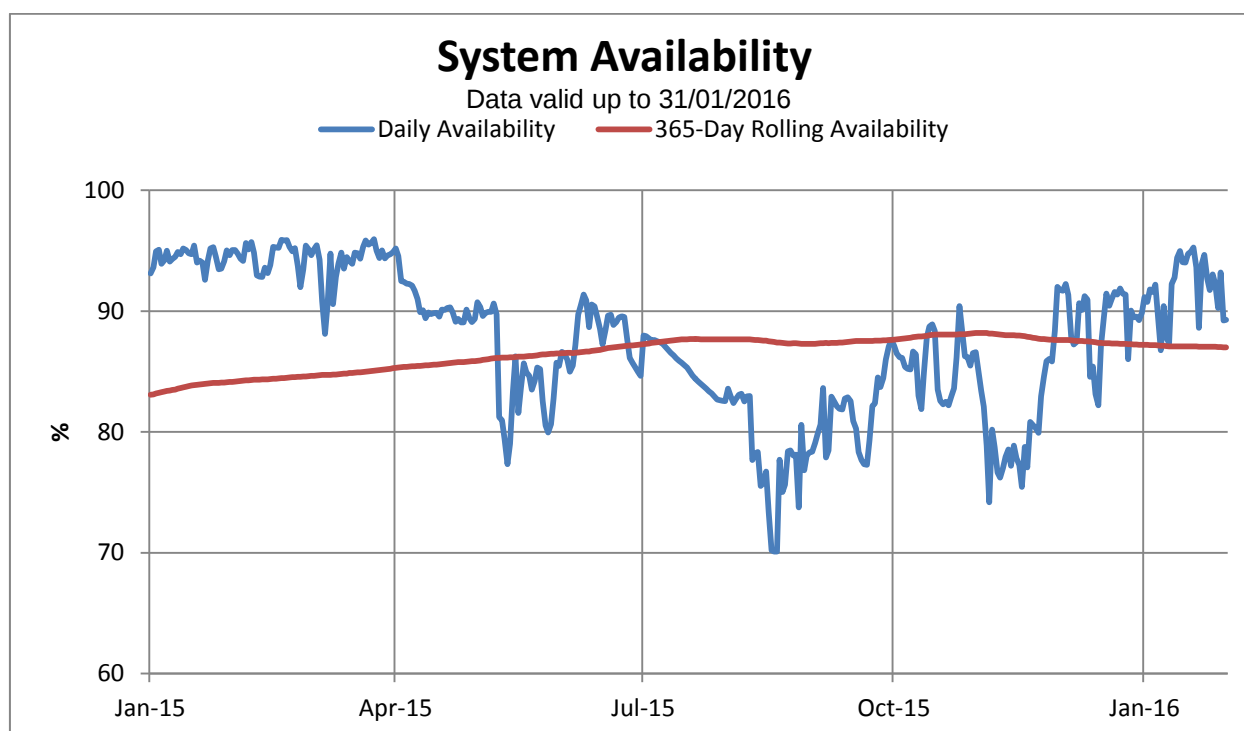


EirGrid Monthly Availability Report – January 2016

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

Key Points:

- The monthly forced outage rate decreased from 6.6% in December to 5.57% in January.
- The monthly system availability increased from 89.3% in December to 91.9% in January.
- The 365-day rolling availability increased slightly in January 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

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

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

Unit-by-Unit Average Monthly Availability – January 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	80.6	5.7	8.79	4.91
	Seal Rock - SK4	85	95.26	0	0	4.74
Bord Gáis	Whitegate – WG1	444	92.47	0.81	6.45	0.27
Edenderry Power Ltd	Edenderry – ED1	118	94.99	0.75	4.26	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island – GI4	461	86.33	4.58	8.83	0.26
	Rhode – RP1	52	78.88	21.12	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	99.87	0.13	0	0
	Tarbert – TB4	243	100	0	0	0
	Tawnaghmore - TP1	52	99.12	0.88	0	0
ESB Energy Ireland	Tawnaghmore - TP3	52	99.95	0.05	0	0
	Aghada - AD1	258	100	0	0	0
	Aghada - AD2	431	99.63	0.11	0	0.26
	Aghada - AT1	90	95.78	4.22	0	0
	Aghada - AT2	90	100	0	0	0
	Aghada - AT4	90	100	0	0	0
	Ardnacrusha - AA1	21	91.36	3.63	5.01	0
	Ardnacrusha - AA2	22	99.47	0	0.53	0
	Ardnacrusha - AA3	19	100	0	0	0
	Ardnacrusha - AA4	24	72.72	23.39	3.89	0
	Erne - ER1	10	0	0	100	0
	Erne - ER2	10	98.58	0.34	1.08	0
	Erne - ER3	22	99.68	0.31	0.01	0
	Erne - ER4	22	87.62	12.36	0.02	0
	Lee - LE1	15	78.19	21.81	0	0
	Lee - LE2	4	99.19	0	0.81	0
	Lee - LE3	8	100	0	0	0
	Liffey - LI1	15	99.76	0.24	0	0
	Liffey - LI2	15	99.37	0.63	0	0
	Liffey - LI4	4	100	0	0	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	97.74	2.26	0	0
	Marina - MRC	123	98.95	0	0	1.05
	Moneypoint - MP1	285	89.91	9.2	0.89	0
	Moneypoint - MP2	285	99.54	0.46	0	0
	Moneypoint - MP3	285	93.51	6.49	0	0
	North Wall – NW5	104	98.08	0.68	0	1.24
	Poolbeg - PB4	154	99.63	0	0	0.37
	Poolbeg - PB5	154	100	0	0	0
	Poolbeg - PB6	182	97.08	0	0	2.92
	Turlough Hill - TH1	73	100	0	0	0
	Turlough Hill - TH2	73	100	0	0	0
	Turlough Hill - TH3	73	100	0	0	0
	Turlough Hill - TH4	73	99.6	0	0.4	0
	West Offaly Power - WO4	137	91.65	2.19	6.16	0
Indaver	Indaver – IW1	16	80.78	19.22	0	0
Synergen	Dublin Bay - DB1	405	99.13	0	0	0.87
Tynagh Energy Ltd	Tynagh – TYC	384	96.58	1.31	0	2.11
Viridian Power & Energy	Huntstown - HN2	400	90.54	7	0	2.46
	Huntstown - HNC	342	96.68	0	0	3.32
System Total Average Availability			91.9	5.57	1.8	0.73

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

Unit-by-Unit 365 Day Rolling Availability – January 2015 to January 2016						
Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.29	3.73	1.52	6.46
	Seal Rock - SK4	85	90.3	0.95	2.88	5.87
Bord Gáis	Whitegate – WG1	444	95.91	0.88	2.49	0.72
Edenderry Power Ltd	Edenderry – ED1	118	82.69	14.02	3.29	0
	Edenderry – ED3	58	99.36	0	0.64	0
	Edenderry – ED5	58	99.01	0.11	0.88	0
SSE Generation Ireland	Great Island – GI4	461	83.35	11.67	4.5	0.48
	Rhode – RP1	52	93.74	2.51	3.75	0
	Rhode – RP2	52	95.91	0.34	3.75	0
	Tarbert – TB1	54	59.4	0	40.6	0
	Tarbert – TB2	54	64.85	0.26	34.89	0
	Tarbert – TB3	241	94.11	0.38	5.51	0
	Tarbert – TB4	243	98.47	1.43	0.1	0
	Tawnaghmore - TP1	52	97.69	0.42	1.89	0
	Tawnaghmore - TP3	52	99.83	0.09	0.08	0
ESB Energy Ireland	Aghada - AD1	258	94.6	5.4	0	0
	Aghada - AD2	431	97.87	0.16	1.3	0.67
	Aghada - AT1	90	93.97	2.96	3.04	0.03
	Aghada - AT2	90	96.32	0.4	3.03	0.25
	Aghada - AT4	90	95.47	0.94	3.52	0.07
	Ardnacrusha - AA1	21	71.05	6.2	22.75	0
	Ardnacrusha - AA2	22	69.75	0.97	29.28	0
	Ardnacrusha - AA3	19	69.24	10.1	20.66	0
	Ardnacrusha - AA4	24	73.29	3.9	22.81	0
	Erne - ER1	10	0	0	100	0
	Erne - ER2	10	92.05	4.34	3.61	0
	Erne - ER3	22	97.74	0.68	1.58	0
	Erne - ER4	22	95.01	1.86	3.13	0
	Lee - LE1	15	85.11	2.2	12.69	0
	Lee - LE2	4	92.58	0.57	6.85	0
	Lee - LE3	8	91.82	0.22	7.96	0
	Liffey - LI1	15	40.77	0.22	59.01	0
	Liffey - LI2	15	42.85	0.05	57.1	0
	Liffey - LI4	4	42.3	0.02	57.68	0
	Liffey - LI5	4	94.41	4.39	1.2	0
	Lough Ree Power - LR4	91	95.96	0.48	3.56	0
	Marina - MRC	123	86.89	1	11.65	0.46
	Moneypoint - MP1	285	91.28	8.08	0.64	0
	Moneypoint - MP2	285	71.28	5.99	22.73	0
	Moneypoint - MP3	285	87.67	8.36	3.97	0
	North Wall – NW5	104	92.69	4.8	1.83	0.68
	Poolbeg - PB4	154	97	0.01	1.21	1.78
	Poolbeg - PB5	154	98.57	0.03	1	0.4
	Poolbeg - PB6	182	93.61	0.74	3.67	1.98
	Turlough Hill - TH1	73	96.16	0.59	3.25	0
	Turlough Hill - TH2	73	96.18	0.48	3.34	0
	Turlough Hill - TH3	73	96.21	1.34	2.45	0
	Turlough Hill - TH4	73	96.63	1.01	2.36	0
	West Offaly Power - WO4	137	86.21	3.4	10.39	0
Indaver	Indaver – IW1	16	89.81	10.19	0	0
Synergen	Dublin Bay - DB1	405	96.24	0.54	2.42	0.8
Tynagh Energy Ltd	Tynagh – TYC	384	95.99	0.12	1.66	2.23
Viridian Power & Energy	Huntstown - HN2	400	94.85	1.1	1.1	2.95
	Huntstown - HNC	342	93.08	0.2	3.75	2.97
System Total 365 Day Rolling Availability			88.56	5.7	4.9	0.84