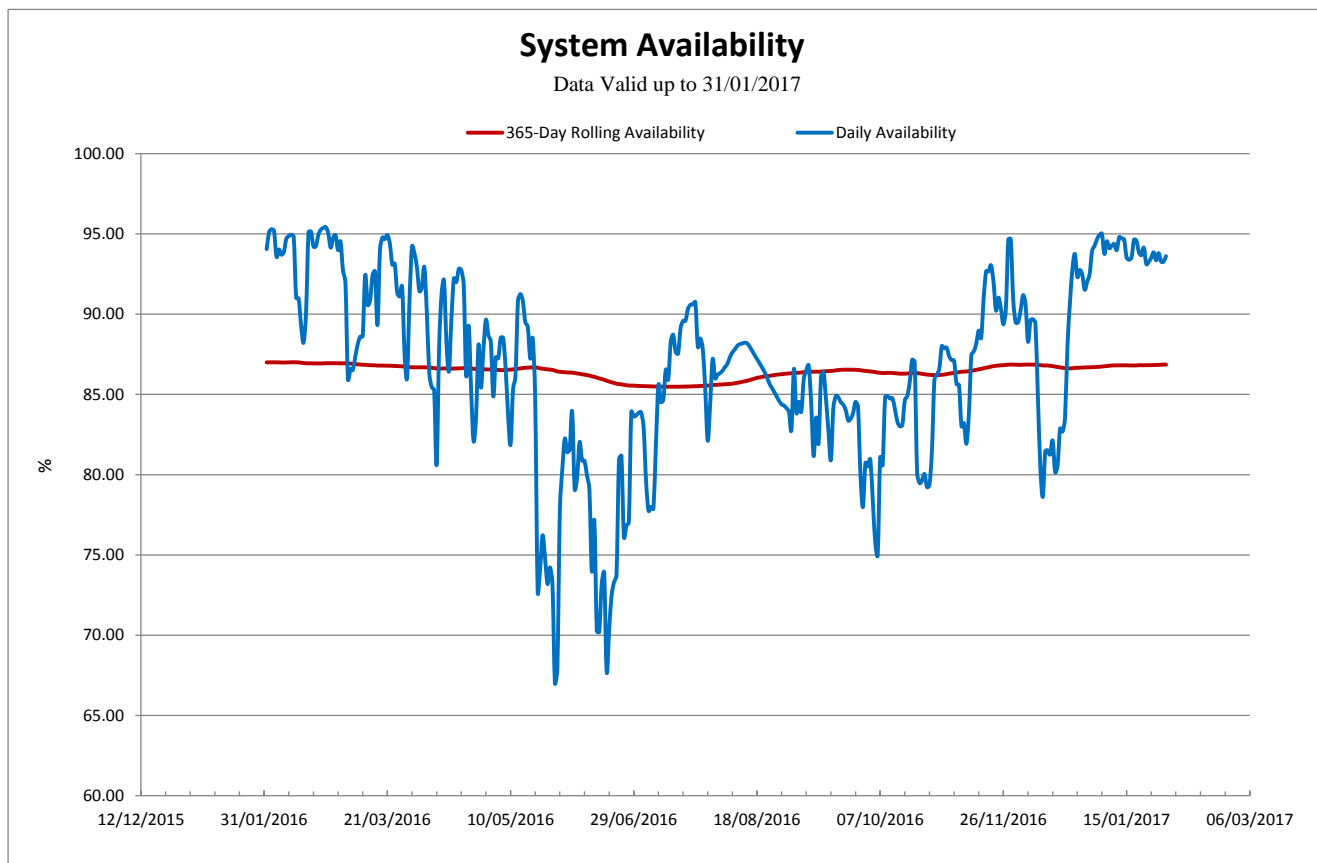


EirGrid Monthly Availability Report – January 2017

Availability report for January 2017¹.



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 Conventional Units – January 2017

Unit-by-Unit Average Monthly Availability – January 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.22	0.32	8.18	3.28
	Seal Rock - SK4	85	98.14	0	0	1.86
Bord Gáis	Whitegate – WG1	444	99.93	0	0	0.07
Edenderry Power Ltd	Edenderry – ED1	118	98.78	1.22	0	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island – GI4	461	99.74	0	0	0.26
	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	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	99.92	0.08	0	0
	Aghada - AT1	90	100	0	0	0
	Aghada - AT2	90	100	0	0	0
	Aghada - AT4	90	100	0	0	0
	Ardnacrusha - AA1	21	88.31	0	11.69	0
	Ardnacrusha - AA2	22	85.17	3.14	11.69	0
	Ardnacrusha - AA3	19	88.3	0	11.7	0
	Ardnacrusha - AA4	24	77.74	0.08	22.18	0
	Erne - ER1	10	100	0	0	0
	Erne - ER2	10	100	0	0	0
	Erne - ER3	22	100	0	0	0
	Erne - ER4	22	99.94	0.06	0	0
	Lee - LE1	15	0	0	100	0
	Lee - LE2	4	0	0	100	0
	Lee - LE3	8	99.54	0.46	0	0
	Liffey - LI1	15	95.84	0	4.16	0
	Liffey - LI2	15	95.84	0	4.16	0
	Liffey - LI4	4	0	0	100	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	92.4	7.6	0	0
	Marina - MRC	123	98.06	1.03	0	0.91
	Moneypoint - MP1	285	95.66	4.34	0	0
	Moneypoint - MP2	285	99.38	0.62	0	0
	Moneypoint - MP3	285	95.39	4.61	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	99.03	0.97	0	0
	Turlough Hill - TH2	73	99.03	0.97	0	0
Turlough Hill - TH3	73	99	1	0	0	
Turlough Hill - TH4	73	92.02	6.7	1.28	0	
West Offaly Power - WO4	137	94.71	5.29	0	0	
Indaver	Indaver – IW1	16	99.24	0.76	0	0
Synergen	Dublin Bay - DB1	405	99.61	0.39	0	0
Tynagh Energy Ltd	Tynagh – TYC	384	98.98	0	0	1.02
Viridian Power & Energy	Huntstown - HN2	400	99.04	0	0	0.96
	Huntstown - HNC	342	98.75	0	0	1.25

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – January 2017

Unit-by-Unit Average Monthly Availability – January 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	33.91	52.9	13.19	0
	Activation Energy 2 – AE2	58.35	41.54	0.11	0
	Activation Energy 3 – AE3	76.84	18.83	4.33	0
	Activation Energy 4 – AE4	0	100	0	0
	Activation Energy 5 – AE5	31.78	63.15	5.07	0
DAE VPP	DAE VPP – DP1	64.84	0	35.16	0
	DAE VPP – DP2	0	0	100	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	50.27	20.56	29.17	0
	Electricity Exchange – EE2	77.58	7.63	14.79	0
Electric Ireland	Electric Ireland – EI1	82.59	1.79	15.62	0
Endeco	Endeco 1 – EC1	64.19	0	35.81	0
	Endeco 2 – EC2	100	0	0	0
Energy Trading Ireland	Energy Trading – ET1	66.48	33.52	0	0
Powerhouse	Powerhouse – PG1	83.45	16.55	0	0
Viridian Power & Energy	Viridian Energy – VE1	49.63	0	50.37	0

Table 3: System Total Average Monthly Availability – January 2017

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	94.02	4.1	1.62	0.26

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – January 2016 to January 2017

Unit-by-Unit 365 Day Rolling Availability – January 2016 to January 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	90.12	1.58	2.79	5.51
	Seal Rock - SK4	85	85.38	0.88	9.47	4.27
Bord Gáis	Whitegate – WG1	444	91.46	1.46	6.27	0.81
Edenderry Power Ltd	Edenderry – ED1	118	86.32	3.52	10.16	0
	Edenderry – ED3	58	99.73	0.16	0.11	0
	Edenderry – ED5	58	99.82	0.07	0.11	0
SSE Generation Ireland	Great Island – GI4	461	86.32	3.52	10.16	0
	Rhode – RP1	52	86.04	7.03	5.75	1.18
	Rhode – RP2	52	99.05	0.93	0.02	0
	Tarbert – TB1	54	99.07	0.91	0.02	0
	Tarbert – TB2	54	98.04	1.26	0.7	0
	Tarbert – TB3	241	98.75	0.84	0.41	0
	Tarbert – TB4	243	99.17	0.67	0.16	0
	Tawnaghmore - TP1 Tawnaghmore - TP3	52 52	94.93 66.34	4.91 2.2	0.16 31.46	0 0
ESB Energy Ireland	Aghada - AD1	258	94.19	5.04	0.77	0
	Aghada - AD2	431	97.18	0.27	2.1	0.45
	Aghada - AT1	90	98.73	0	1.27	0
	Aghada - AT2	90	98.43	0.28	1.29	0
	Aghada - AT4	90	97.3	0.36	2.34	0
	Ardnacrusha - AA1	21	75.04	0.93	24.03	0
	Ardnacrusha - AA2	22	75.15	0.67	24.18	0
	Ardnacrusha - AA3	19	73.51	2.5	23.99	0
	Ardnacrusha - AA4	24	64.05	1.54	34.41	0
	Erne - ER1	10	84.25	0.86	14.89	0
	Erne - ER2	10	91.6	7.16	1.24	0
	Erne - ER3	22	93.28	0.21	6.51	0
	Erne - ER4	22	98.03	0.51	1.46	0
	Lee - LE1	15	16.78	0.05	83.17	0
	Lee - LE2	4	16.82	0	83.18	0
	Lee - LE3	8	94.46	0.16	5.38	0
	Liffey - LI1	15	77.45	1.96	20.59	0
	Liffey - LI2	15	79.75	5.93	14.32	0
	Liffey - LI4	4	13.16	0.6	86.24	0
	Liffey - LI5	4	93.31	5.52	1.17	0
	Lough Ree Power - LR4	91	88.35	7.95	3.7	0
	Marina - MRC	123	98.23	0.1	0.72	0.95
	Moneypoint - MP1	285	82.93	17.07	0	0
	Moneypoint - MP2	285	88.44	11.48	0.08	0
	Moneypoint - MP3	285	91.03	6.07	2.9	0
	North Wall – NW5	104	95.97	0.61	3.21	0.21
	Poolbeg – PBA	231	96.07	0.82	3.1	0.01
Poolbeg - PBB	231	88.53	5.57	5.89	0.01	
Turlough Hill - TH1	73	94.2	0.7	5.1	0	
Turlough Hill - TH2	73	88.48	7.12	4.4	0	
Turlough Hill - TH3	73	96.11	0.53	3.36	0	
Turlough Hill - TH4	73	95.26	1.17	3.57	0	
West Offaly Power - WO4	137	85.47	5.84	8.69	0	
Indaver	Indaver – IW1	16	89.23	10.77	0	0
Synergen	Dublin Bay - DB1	405	80.77	1.55	16.74	0.94
Tynagh Energy Ltd	Tynagh – TYC	384	94.28	1.83	1.5	2.39
Viridian Power & Energy	Huntstown - HN2	400	87.77	0.38	8.94	2.91
	Huntstown - HNC	342	85.83	1.42	9.61	3.14

Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – January 2016 to January 2017

Unit-by-Unit Average Monthly Availability – January 2016 to January 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	42.29	42.54	15.17	0
	Activation Energy 2 – AE2	70.8	28.95	0.25	0
	Activation Energy 3 – AE3	84.7	9.7	5.6	0
	Activation Energy 4 – AE4	58.17	38.31	3.52	0
	Activation Energy 5 – AE5	22.53	67.91	9.56	0
DAE VPP	DAE VPP – DP1	47.14	27.06	25.8	0
	DAE VPP – DP2	6.84	0	93.16	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	59.08	27.83	13.09	0
	Electricity Exchange – EE2	38.5	12.37	49.13	0
Electric Ireland	Electric Ireland – EI1	80.54	5.61	13.85	0
Endeco	Endeco 1 – EC1	70.52	0.03	29.45	0
	Endeco 2 – EC2	55.44	44.56	0	0
Energy Trading Ireland	Energy Trading – ET1	87.32	12.68	0	0
Powerhouse	Powerhouse – PG1	83.57	16.43	0	0
Viridian Power & Energy	Viridian Energy – VE1	53.99	0.05	45.96	0

Table 6: 365 Day Rolling System Total Average Availability – January 2016 to January 2017

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	86.48	6.56	6.18	0.78