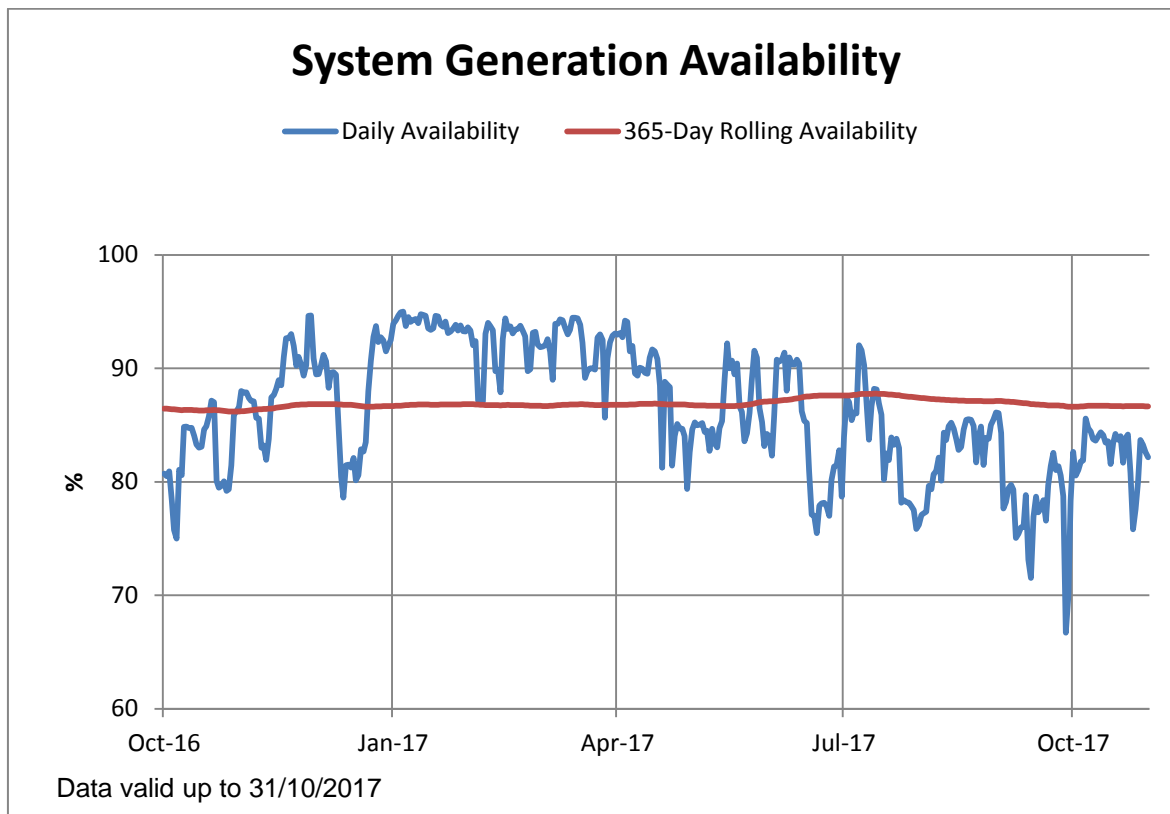


EirGrid Monthly Availability Report – October 2017

Availability report for October 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

General Queries

Email: info@eirgrid.com

Email: PSOP@eirgrid.com

www.eirgridgroup.com

¹ Based on EDIL (Electronic Dispatch Instruction Logger) declarations. Units added in September are not included in these statistics

Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – October 2017

Unit-by-Unit Average Monthly Availability – October 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	85.66	0.00	9.01	5.33
	Seal Rock - SK4	85	88.93	0.00	5.50	5.57
Bord Gáis	Whitegate - WG1	444	97.65	0.00	0.00	2.35
ESB Energy Ireland	Aghada - AD1	258	88.72	0.00	11.28	0.00
	Aghada - AD2	431	99.13	0.48	0.01	0.38
	Aghada - AT1	90	95.05	4.95	0.00	0.00
	Aghada - AT2	90	99.95	0.05	0.00	0.00
	Aghada - AT4	90	100.00	0.00	0.00	0.00
	Ardnacrusha - AA1	21	0.00	0.00	100.00	0.00
	Ardnacrusha - AA2	22	98.29	0.35	1.36	0.00
	Ardnacrusha - AA3	19	99.74	0.26	0.00	0.00
	Ardnacrusha - AA4	24	0.00	100.00	0.00	0.00
	Erne - ER1	10	99.77	0.07	0.16	0.00
	Erne - ER2	10	96.97	2.87	0.16	0.00
	Erne - ER3	22	100.00	0.00	0.00	0.00
	Erne - ER4	22	99.95	0.05	0.00	0.00
	Lee - LE1	15	99.52	0.48	0.00	0.00
	Lee - LE2	4	92.90	7.10	0.00	0.00
	Lee - LE3	8	99.96	0.04	0.00	0.00
	Liffey - LI1	15	100.00	0.00	0.00	0.00
	Liffey - LI2	15	100.00	0.00	0.00	0.00
	Liffey - LI4	4	94.40	5.60	0.00	0.00
	Liffey - LI5	4	100.00	0.00	0.00	0.00
	Lough Ree - LR4	91	0.00	0.00	100.00	0.00
	Marina - MRC	123	98.95	1.05	0.00	0.00
	Moneypoint - MP1	285	95.37	4.63	0.00	0.00
	Moneypoint - MP2	285	98.67	1.33	0.00	0.00
	Moneypoint - MP3	285	100.00	0.00	0.00	0.00
	North Wall - NW5	104	100.00	0.00	0.00	0.00
	Poolbeg - PBA	231	0.00	100.00	0.00	0.00
	Poolbeg - PBB	231	64.66	35.34	0.00	0.00
	Turlough Hill - TH1	73	13.08	86.01	0.91	0.00
	Turlough Hill - TH2	73	14.68	17.99	67.33	0.00
Turlough Hill - TH3	73	13.17	86.01	0.82	0.00	
Turlough Hill - TH4	73	13.16	86.00	0.84	0.00	
West Offaly - WO4	137	90.85	9.15	0.00	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	98.12	1.88	0.00	0.00
	Edenderry - ED3	58	100.00	0.00	0.00	0.00
	Edenderry - ED5	58	100.00	0.00	0.00	0.00
SSE Generation Ireland	Great Island - GI4	461	98.53	0.35	0.00	1.12
	Rhode - RP1	52	100.00	0.00	0.00	0.00
	Rhode - RP2	52	100.00	0.00	0.00	0.00
	Tarbert - TB1	54	100.00	0.00	0.00	0.00
	Tarbert - TB2	54	100.00	0.00	0.00	0.00
	Tarbert - TB3	241	100.00	0.00	0.00	0.00
	Tarbert - TB4	243	99.60	0.40	0.00	0.00
	Tawnaghmore - TP1	52	100.00	0.00	0.00	0.00
Tawnaghmore - TP3	52	100.00	0.00	0.00	0.00	
Indaver	Indaver - IW1	16	68.73	31.27	0.00	0.00
Synergen	Dublin Bay - DB1	405	75.36	5.70	18.81	0.13
Tynagh Energy Ltd	Tynagh - TYC	384	97.07	0.00	0.00	2.93
Viridian	Huntstown - HN2	400	95.52	0.00	0.18	4.30
	Huntstown - HNC	342	95.39	0.00	0.04	4.57

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

Unit-by-Unit Average Monthly Availability – October 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	34.07	50.12	15.81	0.00
	Activation Energy 2 – AE2	37.06	60.10	2.84	0.00
	Activation Energy 3 – AE3	72.80	23.67	3.53	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	55.95	9.79	34.26	0.00
DAE VPP	DAE VPP – DP1	85.85	0.00	14.15	0.00
	DAE VPP – DP2	63.95	0.00	36.05	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	46.67	16.77	36.56	0.00
	Electricity Exchange – EE2	75.23	14.34	10.43	0.00
	Electricity Exchange – EE3	56.60	33.87	9.53	0.00
	Electricity Exchange – EE4	38.28	31.53	30.19	0.00
	Electricity Exchange – EE5	52.23	26.77	21.00	0.00
Electric Ireland	Electric Ireland – EI1	86.10	2.19	11.71	0.00
Endeco	Endeco 1 – EC1	69.32	0.27	30.41	0.00
	Endeco 2 – EC2	73.65	2.07	24.28	0.00
Energy Trading Ireland	Energy Trading – ET1	63.54	36.46	0.00	0.00
Powerhouse	Powerhouse – PG1	78.89	21.11	0.00	0.00
Viridian	Viridian Energy – VE2	68.31	0.00	31.69	0.00
	Viridian Energy – VE1	51.91	0.00	48.09	0.00

Table 3: System Total Average Monthly Availability – October 2017

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	82.86	11.51	4.87	0.96

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

Unit-by-Unit 365 Day Rolling Availability – October 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	83.94	0.88	9.71	5.47
	Seal Rock - SK4	85	91.67	1.31	2.55	4.47
Bord Gáis	Whitegate - WG1	444	95.08	0.79	2.42	1.71
ESB Energy Ireland	Aghada - AD1	258	93.92	5.04	1.03	0.01
	Aghada - AD2	431	92.35	1.61	5.69	0.35
	Aghada - AT1	90	97.94	1.33	0.73	0.00
	Aghada - AT2	90	98.14	0.74	1.12	0.00
	Aghada - AT4	90	98.08	0.56	1.36	0.00
	Ardnacrusha - AA1	21	64.75	2.68	32.57	0.00
	Ardnacrusha - AA2	22	75.66	2.54	21.80	0.00
	Ardnacrusha - AA3	19	69.66	2.81	27.53	0.00
	Ardnacrusha - AA4	24	44.73	43.38	11.89	0.00
	Erne - ER1	10	98.63	0.11	1.26	0.00
	Erne - ER2	10	98.29	0.27	1.44	0.00
	Erne - ER3	22	97.24	1.48	1.28	0.00
	Erne - ER4	22	97.87	0.73	1.40	0.00
	Lee - LE1	15	59.18	2.54	38.28	0.00
	Lee - LE2	4	40.46	0.90	58.64	0.00
	Lee - LE3	8	90.85	3.84	5.31	0.00
	Liffey - LI1	15	97.86	0.27	1.87	0.00
	Liffey - LI2	15	97.86	0.27	1.87	0.00
	Liffey - LI4	4	47.06	3.03	49.91	0.00
	Liffey - LI5	4	97.29	2.71	0.00	0.00
	Lough Ree - LR4	91	76.02	8.80	15.18	0.00
	Marina - MRC	123	95.86	2.90	0.89	0.35
	Moneypoint - MP1	285	92.77	4.64	2.59	0.00
	Moneypoint - MP2	285	88.60	6.87	4.53	0.00
	Moneypoint - MP3	285	88.88	7.50	3.62	0.00
	North Wall - NW5	104	95.37	3.09	1.54	0.00
	Poolbeg - PBA	231	66.99	31.02	1.99	0.00
	Poolbeg - PBB	231	90.26	8.77	0.97	0.00
	Turlough Hill - TH1	73	70.57	21.73	7.70	0.00
	Turlough Hill - TH2	73	70.99	16.23	12.78	0.00
Turlough Hill - TH3	73	71.05	21.96	6.99	0.00	
Turlough Hill - TH4	73	70.33	22.43	7.24	0.00	
West Offaly - WO4	137	85.86	10.29	3.85	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	87.23	2.08	10.69	0.00
	Edenderry - ED3	58	99.12	0.55	0.33	0.00
	Edenderry - ED5	58	99.32	0.55	0.13	0.00
SSE Generation Ireland	Great Island - GI4	461	90.49	3.59	4.68	1.24
	Rhode - RP1	52	98.33	0.46	1.21	0.00
	Rhode - RP2	52	98.36	0.51	1.13	0.00
	Tarbert - TB1	54	98.71	0.16	1.13	0.00
	Tarbert - TB2	54	97.82	0.66	1.52	0.00
	Tarbert - TB3	241	98.57	0.11	1.32	0.00
	Tarbert - TB4	243	99.42	0.22	0.36	0.00
	Tawnaghmore - TP1	52	90.72	2.64	6.64	0.00
Tawnaghmore - TP3	52	91.57	0.19	8.24	0.00	
Indaver	Indaver - IW1	16	89.49	5.77	4.74	0.00
Synergen	Dublin Bay - DB1	405	93.66	1.12	5.10	0.12
Tynagh Energy Ltd	Tynagh - TYC	384	95.63	0.60	1.12	2.65
Viridian	Huntstown - HN2	400	89.68	6.98	0.09	3.25
	Huntstown - HNC	342	92.24	1.07	3.02	3.67

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

Unit-by-Unit 365 Day Rolling Availability – October 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	36.53	49.41	14.06	0.00
	Activation Energy 2 – AE2	56.71	42.88	0.41	0.00
	Activation Energy 3 – AE3	70.83	28.36	0.81	0.00
	Activation Energy 4 – AE4	0.24	99.76	0.00	0.00
	Activation Energy 5 – AE5	48.39	24.28	27.33	0.00
DAE VPP	DAE VPP – DP1	64.45	0.02	35.53	0.00
	DAE VPP – DP2	31.34	0.00	68.66	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	53.71	17.77	28.52	0.00
	Electricity Exchange – EE2	73.19	12.09	14.72	0.00
	Electricity Exchange – EE3	48.48	38.69	12.83	0.00
	Electricity Exchange – EE4	38.48	21.49	40.03	0.00
	Electricity Exchange – EE5	46.26	28.61	25.13	0.00
Electric Ireland	Electric Ireland – EI1	83.67	3.67	12.66	0.00
Endeco	Endeco 1 – EC1	68.98	0.07	30.95	0.00
	Endeco 2 – EC2	58.62	13.29	28.09	0.00
Energy Trading Ireland	Energy Trading – ET1	78.84	21.16	0.00	0.00
Powerhouse	Powerhouse – PG1	80.32	19.68	0.00	0.00
Viridian	Viridian Energy – VE2	62.47	0.00	37.53	0.00
	Viridian Energy – VE1	35.43	28.92	35.65	0.00

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

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	86.64	8.11	4.44	0.81