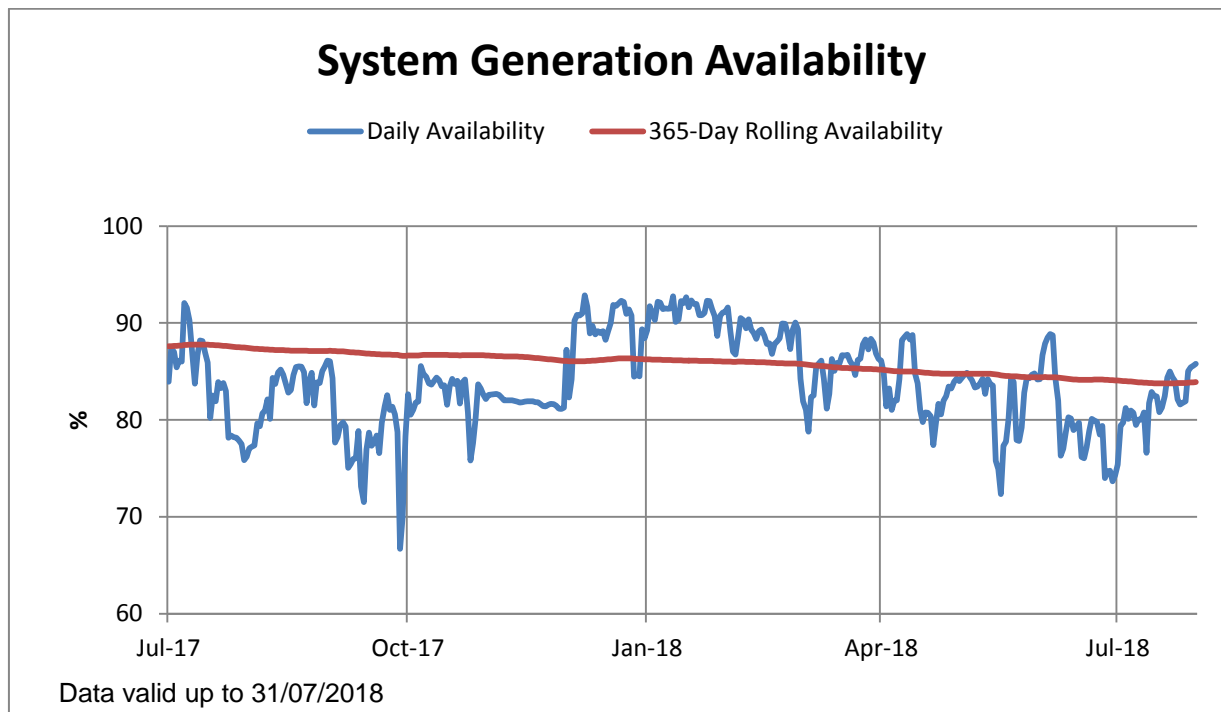


EirGrid Monthly Availability Report – July 2018

Availability report for July 2018¹.



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: OutagePlanning@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 – July 2018

Unit-by-Unit Average Monthly Availability – July 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.73	1.57	0.00	8.70
	Seal Rock - SK4	85	90.74	0.61	0.00	8.65
Bord Gáis	Whitegate - WG1	444	96.46	0.00	0.00	3.54
Dublin Waste to Energy	DWTE - DW1	61.5	98.86	1.14	0.00	0.00
ESB Energy Ireland	Aghada - AD1	258	86.55	13.45	0.00	0.00
	Aghada - AD2	431	93.90	2.20	0.49	3.41
	Aghada - AT1	90	99.90	0.00	0.00	0.10
	Aghada - AT2	90	99.90	0.00	0.00	0.10
	Aghada - AT4	90	99.32	0.00	0.63	0.05
	Ardnacrusha - AA1	21	17.77	0.00	82.23	0.00
	Ardnacrusha - AA2	22	17.75	0.00	82.25	0.00
	Ardnacrusha - AA3	19	17.75	4.03	78.22	0.00
	Ardnacrusha - AA4	24	17.75	0.00	82.25	0.00
	Erne - ER1	10	96.72	3.28	0.00	0.00
	Erne - ER2	10	100.00	0.00	0.00	0.00
	Erne - ER3	22	99.84	0.00	0.16	0.00
	Erne - ER4	22	86.69	0.00	13.31	0.00
	Lee - LE1	15	100.00	0.00	0.00	0.00
	Lee - LE2	4	100.00	0.00	0.00	0.00
	Lee - LE3	8	100.00	0.00	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	100.00	0.00	0.00	0.00
	Liffey - LI5	4	100.00	0.00	0.00	0.00
	Lough Ree - LR4	91	76.20	23.80	0.00	0.00
	Marina - MRC	123	98.95	1.05	0.00	0.00
	Moneypoint - MP1	285	99.28	0.72	0.00	0.00
	Moneypoint - MP2	285	98.72	1.28	0.00	0.00
	Moneypoint - MP3	285	0.00	0.00	100.00	0.00
	North Wall - NW5	104	96.31	3.24	0.00	0.45
	Poolbeg - PBA	231	48.47	0.00	51.53	0.00
	Poolbeg - PBB	231	77.03	0.00	22.97	0.00
	Turlough Hill - TH1	73	100.00	0.00	0.00	0.00
	Turlough Hill - TH2	73	100.00	0.00	0.00	0.00
	Turlough Hill - TH3	73	81.28	14.42	4.30	0.00
	Turlough Hill - TH4	73	41.48	58.52	0.00	0.00
	West Offaly - WO4	137	0.00	0.00	100.00	0.00
Edenderry Power Ltd	Edenderry - ED1	118	88.45	3.10	8.45	0.00
	Edenderry - ED3	58	98.61	0.00	1.39	0.00
	Edenderry - ED5	58	98.59	0.00	1.41	0.00
SSE Generation Ireland	Great Island - GI4	461	96.92	0.00	0.00	3.08
	Rhode - RP1	52	96.90	3.10	0.00	0.00
	Rhode - RP2	52	96.89	3.11	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	97.27	2.49	0.24	0.00
	Tawnaghmore - TP1	52	84.79	0.87	14.34	0.00
Tawnaghmore - TP3	52	91.96	5.51	2.53	0.00	
Indaver	Indaver - IW1	16	99.99	0.01	0.00	0.00
Synergen	Dublin Bay - DB1	405	99.66	0.07	0.00	0.27
Tynagh Energy Ltd	Tynagh - TYC	384	92.00	0.00	0.00	8.00
Viridian	Huntstown - HN2	400	92.96	0.00	0.09	6.95
	Huntstown - HNC	342	93.01	0.00	0.00	6.99

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – July 2018

Unit-by-Unit Average Monthly Availability – July 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	31.85	57.83	10.32	0.00
	Activation Energy 2 – AE2	42.74	54.74	2.52	0.00
	Activation Energy 3 – AE3	66.65	32.92	0.43	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	56.25	0.00	43.75	0.00
DAE VPP	DAE VPP – DP1	87.41	0.00	12.59	0.00
	DAE VPP – DP2	19.79	0.00	80.21	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	59.51	0.00	40.49	0.00
	Electricity Exchange – EE2	50.17	0.00	49.83	0.00
	Electricity Exchange – EE3	36.95	0.00	63.05	0.00
	Electricity Exchange – EE4	58.06	0.00	41.94	0.00
	Electricity Exchange – EE5	55.73	0.00	44.27	0.00
Electric Ireland	Electric Ireland – EI1	57.35	0.16	42.49	0.00
Endeco	Endeco 1 – EC1	50.40	0.00	49.60	0.00
	Endeco 2 – EC2	10.75	0.00	89.25	0.00
	Endeco 5 – EC5	62.65	0.07	37.28	0.00
Energy Trading Ireland	Energy Trading – ET1	74.19	25.81	0.00	0.00
Powerhouse	Powerhouse – PG1	72.40	27.60	0.00	0.00
Viridian	Viridian Energy – VE1	53.35	0.00	46.65	0.00
	Viridian Energy – VE2	62.87	0.11	37.02	0.00

Table 3: System Total Average Monthly Availability – July 2018

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	81.79	5.35	10.93	1.93

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – July 2017 to July 2018

Unit-by-Unit 365 Day Rolling Availability – July 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	83.16	1.84	9.89	5.11
	Seal Rock - SK4	85	92.37	1.24	1.34	5.05
Bord Gáis	Whitegate - WG1	444	66.41	11.35	20.80	1.44
Dublin Waste to Energy	DWTE - DW1	61.5	80.24	9.42	10.34	0.00
ESB Energy Ireland	Aghada - AD1	258	97.72	1.25	1.03	0.00
	Aghada - AD2	431	93.65	0.76	4.68	0.91
	Aghada - AT1	90	98.03	0.42	1.54	0.01
	Aghada - AT2	90	97.96	0.46	1.57	0.01
	Aghada - AT4	90	99.57	0.29	0.13	0.01
	Ardnacrusha - AA1	21	66.45	1.46	32.09	0.00
	Ardnacrusha - AA2	22	78.24	1.12	20.64	0.00
	Ardnacrusha - AA3	19	69.90	3.35	26.75	0.00
	Ardnacrusha - AA4	24	43.52	37.81	18.67	0.00
	Erne - ER1	10	93.22	4.31	2.47	0.00
	Erne - ER2	10	90.39	4.46	5.15	0.00
	Erne - ER3	22	97.35	1.47	1.18	0.00
	Erne - ER4	22	98.41	0.46	1.13	0.00
	Lee - LE1	15	98.58	0.08	1.34	0.00
	Lee - LE2	4	73.54	26.09	0.37	0.00
	Lee - LE3	8	93.75	0.04	6.21	0.00
	Liffey - LI1	15	98.58	0.06	1.36	0.00
	Liffey - LI2	15	98.64	0.00	1.36	0.00
	Liffey - LI4	4	90.07	9.93	0.00	0.00
	Liffey - LI5	4	99.95	0.05	0.00	0.00
	Lough Ree - LR4	91	70.80	10.51	18.69	0.00
	Marina - MRC	123	97.79	1.26	0.34	0.61
	Moneypoint - MP1	285	96.77	2.07	1.16	0.00
	Moneypoint - MP2	285	94.22	4.20	1.58	0.00
	Moneypoint - MP3	285	62.84	3.82	33.34	0.00
	North Wall - NW5	104	92.54	7.21	0.19	0.06
	Poolbeg - PBA	231	49.62	41.92	8.46	0.00
	Poolbeg - PBB	231	79.27	15.62	5.11	0.00
	Turlough Hill - TH1	73	72.09	22.55	5.36	0.00
	Turlough Hill - TH2	73	72.88	18.08	9.04	0.00
	Turlough Hill - TH3	73	71.15	23.19	5.66	0.00
	Turlough Hill - TH4	73	68.24	26.83	4.93	0.00
	West Offaly - WO4	137	76.46	11.63	11.91	0.00
Edenderry Power Ltd	Edenderry - ED1	118	87.04	3.04	9.92	0.00
	Edenderry - ED3	58	99.68	0.00	0.32	0.00
	Edenderry - ED5	58	99.49	0.39	0.12	0.00
SSE Generation Ireland	Great Island - GI4	461	96.66	1.32	0.94	1.08
	Rhode - RP1	52	96.16	2.63	1.21	0.00
	Rhode - RP2	52	96.81	2.06	1.13	0.00
	Tarbert - TB1	54	99.63	0.37	0.00	0.00
	Tarbert - TB2	54	98.72	1.28	0.00	0.00
	Tarbert - TB3	241	99.87	0.09	0.04	0.00
	Tarbert - TB4	243	94.16	1.82	4.02	0.00
	Tawnaghmore - TP1	52	97.78	1.00	1.22	0.00
Tawnaghmore - TP3	52	99.13	0.66	0.21	0.00	
Indaver	Indaver - IW1	16	87.38	8.11	4.51	0.00
Synergen	Dublin Bay - DB1	405	88.22	8.52	3.18	0.08
Tynagh Energy Ltd	Tynagh - TYC	384	95.77	0.71	0.00	3.52
Viridian	Huntstown - HN2	400	95.84	0.25	0.10	3.81
	Huntstown - HNC	342	90.86	0.33	5.06	3.75

Whilst it strives to ensure as high a level of accuracy as possible, EirGrid makes no warranties or representations of any kind with respect to the content of this report (including without limitation its quality, accuracy, and completeness.) and EirGrid accepts no liability for any reliance on the information presented here.

Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – July 2017 to July 2018

Unit-by-Unit 365 Day Rolling Availability – July 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	32.98	54.75	12.27	0.00
	Activation Energy 2 – AE2	35.26	63.86	0.88	0.00
	Activation Energy 3 – AE3	64.08	30.48	5.44	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	55.88	7.56	36.56	0.00
DAE VPP	DAE VPP – DP1	78.84	0.00	21.16	0.00
	DAE VPP – DP2	39.51	0.00	60.49	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	55.56	9.70	34.74	0.00
	Electricity Exchange – EE2	66.87	9.54	23.59	0.00
	Electricity Exchange – EE3	40.52	19.51	39.97	0.00
	Electricity Exchange – EE4	58.69	11.16	30.15	0.00
	Electricity Exchange – EE5	50.87	15.80	33.33	0.00
Electric Ireland	Electric Ireland – EI1	78.53	1.04	20.43	0.00
Endeco	Endeco 1 – EC1	60.91	0.02	39.07	0.00
	Endeco 2 – EC2	44.80	0.20	55.00	0.00
	Endeco 5 – EC5	37.91	33.72	28.37	0.00
Energy Trading Ireland	Energy Trading – ET1	73.61	26.39	0.00	0.00
Powerhouse	Powerhouse – PG1	77.20	22.80	0.00	0.00
Viridian	Viridian Energy – VE1	58.53	0.00	41.47	0.00
	Viridian Energy – VE2	46.49	4.52	48.99	0.00

Table 6: 365 Day Rolling System Total Average Availability – July 2017 to July 2018

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	83.72	8.79	6.59	0.9