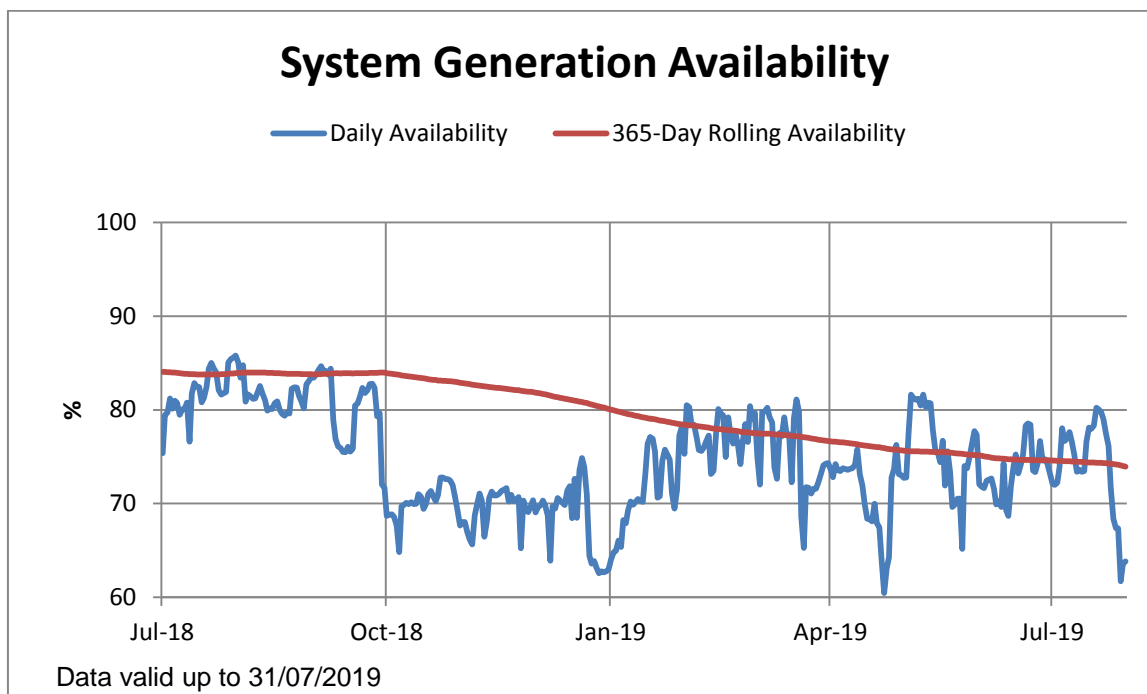


EirGrid Monthly Availability Report – July 2019

Availability report for July 2019¹.



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 – July 2019

Unit-by-Unit Average Monthly Availability – July 2019						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	90.34	0.76	0.00	8.90
	Seal Rock - SK4	85	38.98	0.00	58.33	2.69
Bord Gáis	Whitegate - WG1	444	73.92	0.00	22.92	3.16
Dublin Waste to Energy	DWTE - DW1	61.5	85.75	14.25	0.00	0.00
ESB Energy Ireland	Aghada - AD1	258	0.00	0.00	100.00	0.00
	Aghada - AD2	431	96.43	0.97	0.00	2.60
	Aghada - AT1	90	87.85	0.69	11.46	0.00
	Aghada - AT2	90	88.66	0.69	10.65	0.00
	Aghada - AT4	90	99.47	0.00	0.53	0.00
	Ardnacrusha - AA1	21	100.00	0.00	0.00	0.00
	Ardnacrusha - AA2	22	100.00	0.00	0.00	0.00
	Ardnacrusha - AA3	19	100.00	0.00	0.00	0.00
	Ardnacrusha - AA4	24	92.10	0.00	7.90	0.00
	Erne - ER1	10	86.18	13.82	0.00	0.00
	Erne - ER2	10	87.40	12.60	0.00	0.00
	Erne - ER3	22	100.00	0.00	0.00	0.00
	Erne - ER4	22	94.22	0.00	5.78	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	0.00	78.35	21.65	0.00
	Marina - MRC	123	0.00	100.00	0.00	0.00
	Moneypoint - MP1	285	98.52	1.48	0.00	0.00
	Moneypoint - MP2	285	71.88	0.00	28.12	0.00
	Moneypoint - MP3	285	100.00	0.00	0.00	0.00
	North Wall - NW5	104	99.07	0.00	0.00	0.93
	Poolbeg - PBA	231	70.02	17.50	12.48	0.00
	Poolbeg - PBB	231	67.38	20.14	12.48	0.00
	Turlough Hill - TH1	73	99.46	0.11	0.43	0.00
	Turlough Hill - TH2	73	97.43	0.00	2.57	0.00
	Turlough Hill - TH3	73	98.63	0.00	1.37	0.00
	Turlough Hill - TH4	73	99.58	0.00	0.42	0.00
	West Offaly - WO4	137	53.74	46.26	0.00	0.00
Edenderry Power Ltd	Edenderry - ED1	118	0.00	0.00	100.00	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	97.17	0.01	0.00	2.82
	Rhode - RP1	52	76.34	23.66	0.00	0.00
	Rhode - RP2	52	72.92	27.08	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	0.00	0.00	100.00	0.00
	Tarbert - TB4	243	81.45	18.55	0.00	0.00
	Tawnaghmore - TP1	52	100.00	0.00	0.00	0.00
Tawnaghmore - TP3	52	98.62	1.38	0.00	0.00	
Indaver	Indaver - IW1	16	99.76	0.24	0.00	0.00
Synergen	Dublin Bay - DB1	405	95.43	0.59	0.00	3.98
Tynagh Energy Ltd	Tynagh - TYC	384	94.35	0.00	0.00	5.65
Viridian	Huntstown - HN2	400	93.86	0.00	0.02	6.12
	Huntstown - HNC	342	92.00	0.01	0.00	7.99

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – July 2019

Unit-by-Unit Average Monthly Availability – July 2019					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	24.14	54.28	21.58	0
	Activation Energy 2 – AE2	19.36	72.02	8.62	0
	Activation Energy 3 – AE3	57.04	42.96	0	0
	Activation Energy 4 – AE4	75.93	24.07	0	0
	Activation Energy 5 – AE5	54.71	45.29	0	0
	Enernoc 1 - EN1	54.58	45.42	0	0
	Enernoc 2 - EN2	0	100	0	0
	Enernoc 3-EN3	0	100	0	0
	Enernoc 4-EN4	0	100	0	0
	Enernoc 5-EN5	52.83	44.71	2.46	0
	Enernoc 6-EN6	76.3	23.7	0	0
DAE VPP	DAE VPP – DP1	12.73	0.2	87.07	0
	DAE VPP – DP2	0	0	100	0
Electricity Exchange Ltd	Electricity Exchange – EE1	59.93	0	40.07	0
	Electricity Exchange – EE2	30.42	0	69.58	0
	Electricity Exchange – EE3	31.76	0	68.24	0
	Electricity Exchange – EE4	31.58	2.09	66.33	0
	Electricity Exchange – EE5	43.93	0	56.07	0
Electric Ireland	Electric Ireland – EI1	62.07	0	37.93	0
Endeco	Endeco 1 – EC1	61.57	0	38.43	0
	Endeco 2 – EC2	25.43	0	74.57	0
	Endeco 5 – EC5	62.94	0	37.06	0
Energy Trading Ireland	Energy Trading – ET1	48.96	51.04	0	0
Powerhouse	Powerhouse – PG1	39.39	60.61	0	0
Viridian	Viridian Energy – VE1	63.14	0	36.86	0
	Viridian Energy – VE2	51.9	0	48.1	0

Table 3: System Total Average Monthly Availability – July 2019

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	73.96	9.55	14.65	1.84

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 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – July 2018 to July 2019

Unit-by-Unit 365 Day Rolling Availability – July 2019						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	90.09	0.39	4.12	5.40
	Seal Rock - SK4	85	86.55	1.45	7.92	4.08
Bord Gáis	Whitegate - WG1	444	90.48	6.26	1.95	1.31
Dublin Waste to Energy	DWTE - DW1	61.5	87.87	8.87	3.26	0.00
ESB Energy Ireland	Aghada - AD1	258	17.37	0.00	82.63	0.00
	Aghada - AD2	431	98.02	0.46	0.44	1.08
	Aghada - AT1	90	97.85	0.52	1.60	0.03
	Aghada - AT2	90	97.83	0.66	1.48	0.03
	Aghada - AT4	90	92.14	0.72	7.11	0.03
	Ardnacrusha - AA1	21	81.61	0.01	18.38	0.00
	Ardnacrusha - AA2	22	85.65	4.95	9.40	0.00
	Ardnacrusha - AA3	19	85.65	2.39	11.96	0.00
	Ardnacrusha - AA4	24	88.54	0.16	11.30	0.00
	Erne - ER1	10	87.22	12.68	0.10	0.00
	Erne - ER2	10	97.74	2.05	0.21	0.00
	Erne - ER3	22	90.70	8.01	1.29	0.00
	Erne - ER4	22	92.37	1.41	6.22	0.00
	Lee - LE1	15	90.77	2.95	6.28	0.00
	Lee - LE2	4	93.08	0.04	6.88	0.00
	Lee - LE3	8	96.07	0.07	3.86	0.00
	Liffey - LI1	15	87.80	3.87	8.33	0.00
	Liffey - LI2	15	85.49	6.18	8.33	0.00
	Liffey - LI4	4	90.30	0.60	9.10	0.00
	Liffey - LI5	4	93.62	0.19	6.19	0.00
	Lough Ree - LR4	91	81.67	9.50	8.83	0.00
	Marina - MRC	123	10.93	89.07	0.00	0.00
	Moneypoint - MP1	285	40.60	43.48	15.92	0.00
	Moneypoint - MP2	285	37.61	58.88	3.51	0.00
	Moneypoint - MP3	285	45.46	54.49	0.05	0.00
	North Wall - NW5	104	91.19	4.92	3.64	0.25
	Poolbeg - PBA	231	89.83	7.81	2.36	0.00
	Poolbeg - PBB	231	78.49	20.45	1.06	0.00
	Turlough Hill - TH1	73	89.43	0.55	10.02	0.00
	Turlough Hill - TH2	73	90.30	0.95	8.75	0.00
	Turlough Hill - TH3	73	87.71	3.64	8.65	0.00
	Turlough Hill - TH4	73	90.97	0.82	8.21	0.00
	West Offaly - WO4	137	81.08	5.06	13.86	0.00
Edenderry Power Ltd	Edenderry - ED1	118	82.99	0.58	16.43	0.00
	Edenderry - ED3	58	98.79	0.00	1.21	0.00
	Edenderry - ED5	58	98.47	0.32	1.21	0.00
SSE Generation Ireland	Great Island - GI4	461	55.89	30.01	13.10	1.00
	Rhode - RP1	52	97.63	2.37	0.00	0.00
	Rhode - RP2	52	97.70	2.30	0.00	0.00
	Tarbert - TB1	54	98.80	0.01	1.19	0.00
	Tarbert - TB2	54	95.09	2.01	2.90	0.00
	Tarbert - TB3	241	82.47	2.72	14.81	0.00
	Tarbert - TB4	243	93.34	6.66	0.00	0.00
	Tawnaghmore - TP1	52	99.93	0.07	0.00	0.00
Tawnaghmore - TP3	52	98.28	1.72	0.00	0.00	
Indaver	Indaver - IW1	16	90.54	9.40	0.06	0.00
Synergen	Dublin Bay - DB1	405	87.57	10.16	1.35	0.92
Tynagh Energy Ltd	Tynagh - TYC	384	88.41	2.99	5.16	3.44
Viridian	Huntstown - HN2	400	85.98	10.53	0.54	2.95
	Huntstown - HNC	342	95.57	0.19	0.16	4.08

Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – July 2018 to July 2019

Unit-by-Unit 365 Day Rolling Availability – July 2019					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	27.34	58.68	13.98	0
	Activation Energy 2 – AE2	23.78	74.03	2.19	0
	Activation Energy 3 – AE3	55.21	44.78	0.01	0
	Activation Energy 4 – AE4	35.12	52.43	12.45	0
	Activation Energy 5 – AE5	54.26	13.88	31.86	0
	Enernoc 1-EN1	6.3	93.7	0	0
	Enernoc 2-EN2	0	100	0	0
	Enernoc3-EN3	0	100	0	0
	Enernoc 4-EN4	0	100	0	0
	Enernoc 5-EN5	53	41.85	5.15	0
	Enernoc 6-EN6	60.11	35	4.89	0
DAE VPP	DAE VPP – DP1	57.58	0.02	42.4	0
	DAE VPP – DP2	11.99	0	88.01	0
Electricity Exchange Ltd	Electricity Exchange – EE1	53.78	0.01	46.21	0
	Electricity Exchange – EE2	39.92	0.01	60.07	0
	Electricity Exchange – EE3	40.17	0.08	59.75	0
	Electricity Exchange – EE4	58.56	0.21	41.23	0
	Electricity Exchange – EE5	53.97	0.05	45.98	0
Electric Ireland	Electric Ireland – EI1	76.55	0.02	23.43	0
Endeco	Endeco 1 – EC1	59.42	0	40.58	0
	Endeco 2 – EC2	33.03	0.04	66.93	0
	Endeco 5 – EC5	53.1	0.21	46.69	0
Energy Trading Ireland	Energy Trading – ET1	61.68	38.32	0	0
Powerhouse	Powerhouse – PG1	54.25	45.75	0	0
Viridian	Viridian Energy – VE1	51.88	0	48.12	0
	Viridian Energy – VE2	51.23	0	48.77	0

Table 6: 365 Day Rolling System Total Average Availability – July 2018 to July 2019

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	73.94	16.3	8.88	0.88

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