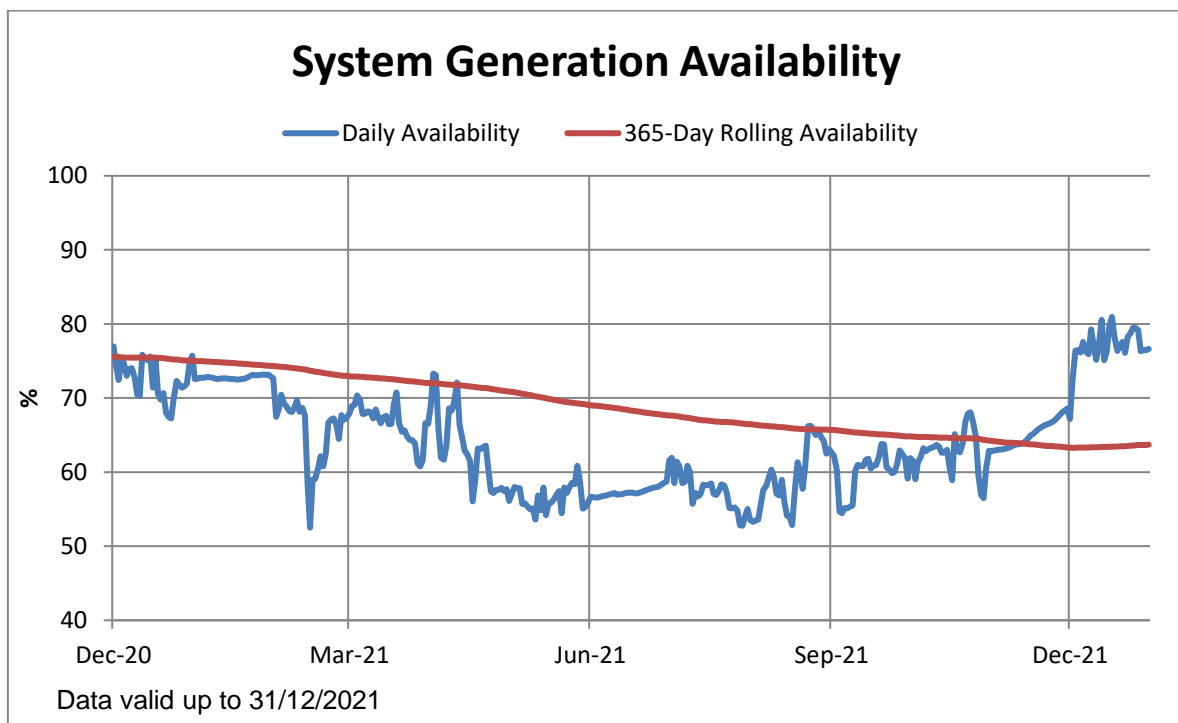


EirGrid Monthly Availability Report – December 2021

Availability report for December 2021¹



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

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

Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – December 2021

Unit-by-Unit Average Monthly Availability – December 2021						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	93.14	0.00	0.00	6.86
	Seal Rock - SK4	85	96.32	0.00	0.00	3.68
Bord Gáis	Whitegate - WG1	444	95.84	0.97	2.75	0.44
Dublin Waste to Energy	DWTE - DW1	61.5	98.36	1.64	0.00	0.00
ESB Energy Ireland	Aghada - AD2	431	97.33	0.88	1.79	0.00
	Aghada - AT1	90	97.16	0.00	2.84	0.00
	Aghada - AT2	90	96.85	3.15	0.00	0.00
	Aghada - AT4	90	100.00	0.00	0.00	0.00
	Ardnacrusha - AA1	21	99.76	0.24	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	49.61	4.18	46.21	0.00
	Erne - ER1	10	96.57	3.30	0.13	0.00
	Erne - ER2	10	27.20	72.80	0.00	0.00
	Erne - ER3	22	91.62	3.23	5.15	0.00
	Erne - ER4	22	92.52	3.23	4.25	0.00
	Lee - LE1	15	99.65	0.35	0.00	0.00
	Lee - LE2	4	99.88	0.12	0.00	0.00
	Lee - LE3	8	99.90	0.10	0.00	0.00
	Liffey - LI1	15	0.00	100.00	0.00	0.00
	Liffey - LI2	15	0.00	100.00	0.00	0.00
	Liffey - LI4	4	100.00	0.00	0.00	0.00
	Liffey - LI5	4	81.63	18.03	0.34	0.00
	Moneypoint - MP1	285	91.66	8.34	0.00	0.00
	Moneypoint - MP2	285	48.86	51.14	0.00	0.00
	Moneypoint - MP3	285	90.84	9.16	0.00	0.00
	Poolbeg - PBA	231	100.00	0.00	0.00	0.00
	Poolbeg - PBB	231	83.30	3.56	13.14	0.00
Turlough Hill - TH1	73	98.46	1.54	0.00	0.00	
Turlough Hill - TH2	73	97.38	1.28	1.34	0.00	
Turlough Hill - TH3	73	96.90	1.75	1.35	0.00	
Turlough Hill - TH4	73	98.23	0.71	1.06	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	86.17	13.83	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	96.83	1.99	0.00	1.18
	Rhode - RP1	52	96.72	3.28	0.00	0.00
	Rhode - RP2	52	100.00	0.00	0.00	0.00
	Tarbert - TB1	54	0.00	100.00	0.00	0.00
	Tarbert - TB2	54	0.00	100.00	0.00	0.00
	Tarbert - TB3	241	71.18	28.82	0.00	0.00
	Tarbert - TB4	243	0.00	100.00	0.00	0.00
	Tawnaghmore - TP1	52	99.87	0.13	0.00	0.00
Tawnaghmore - TP3	52	100.00	0.00	0.00	0.00	
Indaver	Indaver - IW1	16	99.99	0.01	0.00	0.00
Synergen	Dublin Bay - DB1	405	94.12	0.00	5.67	0.21
Tynagh Energy Ltd	Tynagh - TYC	384	95.04	0.24	0.00	4.72
Viridian	Huntstown - HN2	400	94.63	3.23	0.06	2.08
	Huntstown - HNC	342	96.47	0.06	0.63	2.84

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – December 2021

Unit-by-Unit Average Monthly Availability – December 2021					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	3.06	96.68	0.26	0
	Activation Energy 2 – AE2	40.22	47.82	11.96	0
	Activation Energy 3 – AE3	29.22	70.78	0	0
	Activation Energy 4 – AE4	0	0	100	0
	Activation Energy 5 – AE5	0	100	0	0
	Enernoc 1 - EN1	0	100	0	0
	Enernoc 2 - EN2	0	100	0	0
	Enernoc 3-EN3	0	100	0	0
	Enernoc 4-EN4	0	0	100	0
	Enernoc 5-EN5	0	100	0	0
	Enernoc 6-EN6	9	83.3	7.7	0
	Enernoc 8-EN8	8.03	91.97	0	0
	Enernoc 9-EN9	54.51	44.42	1.07	0
DAE VPP	DAE VPP – DP1	46.95	0	53.05	0
	DAE VPP – DP2	23.95	0	76.05	0
Electricity Exchange Ltd	Electricity Exchange – EE1	27.67	0	72.33	0
	Electricity Exchange – EE2	10.72	0	89.28	0
	Electricity Exchange – EE3	16.23	0	83.77	0
	Electricity Exchange – EE4	7.73	0	92.27	0
	Electricity Exchange – EE5	44.78	0	55.22	0
	Electricity Exchange – EE6	48.57	0	51.43	0
	Electricity Exchange – EE7	39.61	0	60.39	0
Electric Ireland	Electric Ireland – EI1	6.19	0	93.81	0
Endeco	Endeco 1 – EC1	28.35	0	71.65	0
	Endeco 2 – EC2	33.66	0	66.34	0
	Endeco 5 – EC5	26.12	0.44	73.44	0
Energy Trading Ireland	Energy Trading – ET1	19.9	80.1	0	0
Powerhouse	Powerhouse – PG1	28.42	71.58	0	0
Viridian	Viridian Energy – VE1	1.75	0	98.25	0
	Viridian Energy – VE2	0	0	100	0

Table 3: System Total Average Monthly Availability – December 2021

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	76.97	15.55	6.75	0.73

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – December 2020 to December 2021

Unit-by-Unit 365 Day Rolling Availability – December 2021						
Company	Unit	Capacity	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	86.25	0.90	6.53	6.32
	Seal Rock - SK4	85	89.02	2.21	4.08	4.69
Bord Gáis	Whitegate - WG1	444	8.28	88.97	2.71	0.04
Dublin Waste to Energy	DWTE - DW1	61.5	88.64	11.36	0.00	0.00
ESB Energy Ireland	Aghada - AD2	431	89.95	4.15	5.61	0.29
	Aghada - AT1	90	92.82	1.83	5.35	0.00
	Aghada - AT2	90	83.31	1.75	14.94	0.00
	Aghada - AT4	90	99.00	0.28	0.71	0.01
	Ardnacrusha - AA1	21	96.94	2.87	0.19	0.00
	Ardnacrusha - AA2	22	93.68	0.41	5.91	0.00
	Ardnacrusha - AA3	19	84.25	1.30	14.45	0.00
	Ardnacrusha - AA4	24	32.82	54.94	12.24	0.00
	Erne - ER1	10	92.76	1.75	5.49	0.00
	Erne - ER2	10	88.16	8.02	3.82	0.00
	Erne - ER3	22	92.21	1.02	6.77	0.00
	Erne - ER4	22	95.35	3.03	1.62	0.00
	Lee - LE1	15	62.08	36.58	1.34	0.00
	Lee - LE2	4	69.22	16.67	14.11	0.00
	Lee - LE3	8	74.43	16.69	8.88	0.00
	Liffey - LI1	15	27.66	64.75	7.59	0.00
	Liffey - LI2	15	27.55	64.86	7.59	0.00
	Liffey - LI4	4	82.98	16.92	0.10	0.00
	Liffey - LI5	4	45.25	54.72	0.03	0.00
	Moneypoint - MP1	285	79.32	13.53	7.15	0.00
	Moneypoint - MP2	285	44.69	55.31	0.00	0.00
	Moneypoint - MP3	285	79.83	16.79	3.38	0.00
	Poolbeg - PBA	231	83.59	6.87	9.43	0.11
	Poolbeg - PBB	231	74.83	8.15	16.84	0.18
Turlough Hill - TH1	73	96.58	0.83	2.59	0.00	
Turlough Hill - TH2	73	96.46	0.82	2.72	0.00	
Turlough Hill - TH3	73	96.80	0.45	2.75	0.00	
Turlough Hill - TH4	73	96.85	0.43	2.72	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	80.12	9.68	10.20	0.00
	Edenderry - ED3	58	99.85	0.02	0.13	0.00
	Edenderry - ED5	58	99.87	0.00	0.13	0.00
SSE Generation Ireland	Great Island - GI4	461	95.05	1.19	2.08	1.68
	Rhode - RP1	52	85.17	2.61	12.22	0.00
	Rhode - RP2	52	91.77	1.63	6.60	0.00
	Tarbert - TB1	54	63.43	28.31	8.26	0.00
	Tarbert - TB2	54	58.66	35.82	5.52	0.00
	Tarbert - TB3	241	66.74	25.33	7.93	0.00
	Tarbert - TB4	243	19.17	80.83	0.00	0.00
	Tawnaghmore - TP1	52	87.50	5.01	7.49	0.00
Tawnaghmore - TP3	52	87.65	4.86	7.49	0.00	
Indaver	Indaver - IW1	16	90.46	9.54	0.00	0.00
Synergen	Dublin Bay - DB1	405	69.01	6.78	24.07	0.14
Tynagh Energy Ltd	Tynagh - TYC	384	83.88	5.45	5.82	4.85
Viridian	Huntstown - HN2	400	25.85	60.85	12.71	0.59
	Huntstown - HNC	342	95.22	0.51	0.06	4.21

Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – December 2020 to December 2021

Unit-by-Unit 365 Day Rolling Availability – December 2021					
Company	Unit	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
Activation Energy	Activation Energy 1 – AE1	13.44	81.02	5.54	0
	Activation Energy 2 – AE2	37.87	52.05	10.08	0
	Activation Energy 3 – AE3	55.8	44.15	0.05	0
	Activation Energy 4 – AE4	6.57	71.09	22.34	0
	Activation Energy 5 – AE5	0.09	99.91	0	0
	Enernoc 1-EN1	19.06	80.38	0.56	0
	Enernoc 2-EN2	5.55	94.14	0.31	0
	Enernoc3-EN3	28.58	70.01	1.41	0
	Enernoc 4-EN4	1.98	75.7	22.32	0
	Enernoc 5-EN5	12.48	85	2.52	0
	Enernoc 6-EN6	31.13	47.56	21.31	0
	Enernoc 8-EN8	36.91	61.52	1.57	0
	Enernoc 9-EN9	45.11	35.29	19.6	0
DAE VPP	DAE VPP – DP1	45.91	0.19	53.9	0
	DAE VPP – DP2	27.94	0	72.06	0
Electricity Exchange Ltd	Electricity Exchange – EE1	34.1	0.03	65.87	0
	Electricity Exchange – EE2	22.95	0	77.05	0
	Electricity Exchange – EE3	16.89	0	83.11	0
	Electricity Exchange – EE4	16.83	0	83.17	0
	Electricity Exchange – EE5	52.14	0.01	47.85	0
	Electricity Exchange – EE6	53.7	0	46.3	0
	Electricity Exchange – EE7	52.37	0.06	47.57	0
Electric Ireland	Electric Ireland – EI1	25.44	0	74.56	0
Endeco	Endeco 1 – EC1	35.89	0.05	64.06	0
	Endeco 2 – EC2	23.94	0	76.06	0
	Endeco 5 – EC5	42.44	0.09	57.47	0
Energy Trading Ireland	Energy Trading – ET1	7.23	92.77	0	0
Powerhouse	Powerhouse – PG1	24.13	75.78	0.09	0
Viridian	Viridian Energy – VE1	12.5	0	87.5	0
	Viridian Energy – VE2	0	0	100	0

Table 6: 365 Day Rolling System Total Average Availability – December 2020 to December 2021

	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
System Total Average Availability	64.57	24.06	10.6	0.77

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