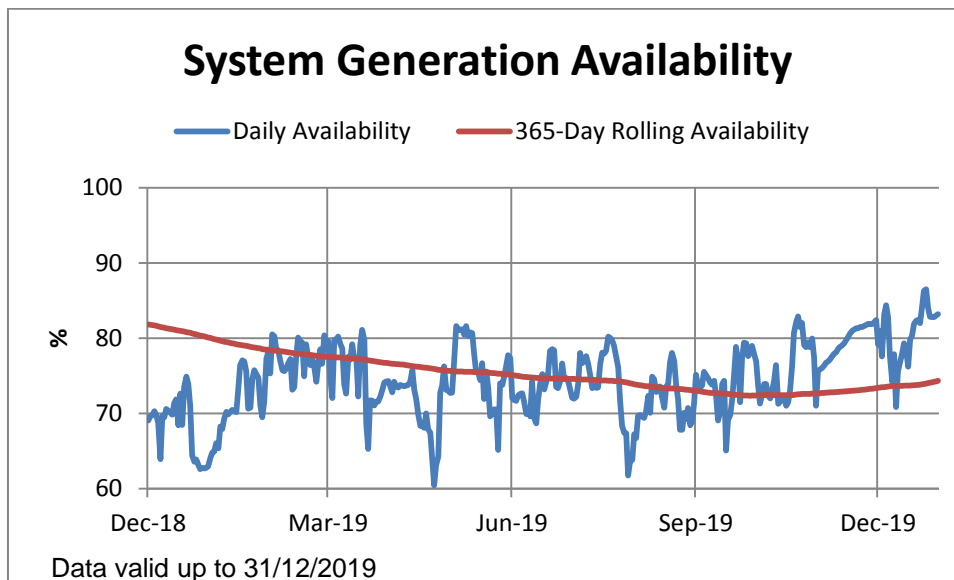


EirGrid Monthly Availability Report – December 2019

Availability report for December 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 – December 2019

Unit-by-Unit Average Monthly Availability – December 2019						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	94.58	0.01	0.00	5.41
	Seal Rock - SK4	85	95.36	0.00	0.00	4.64
Bord Gáis	Whitegate - WG1	444	89.62	8.72	0.00	1.66
Dublin Waste to Energy	DWTE - DW1	61.5	95.50	4.50	0.00	0.00
ESB Energy Ireland	Aghada - AD2	431	48.65	47.63	3.63	0.09
	Aghada - AT1	90	98.00	2.00	0.00	0.00
	Aghada - AT2	90	99.93	0.07	0.00	0.00
	Aghada - AT4	90	99.94	0.06	0.00	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	99.92	0.08	0.00	0.00
	Ardnacrusha - AA4	24	87.50	0.00	12.50	0.00
	Erne - ER1	10	99.97	0.03	0.00	0.00
	Erne - ER2	10	95.03	0.03	4.94	0.00
	Erne - ER3	22	99.94	0.00	0.06	0.00
	Erne - ER4	22	99.94	0.00	0.06	0.00
	Lee - LE1	15	100.00	0.00	0.00	0.00
	Lee - LE2	4	99.13	0.87	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	43.35	56.65	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	96.70	3.30	0.00	0.00
	Moneypoint - MP1	285	94.46	5.54	0.00	0.00
	Moneypoint - MP2	285	100.00	0.00	0.00	0.00
	Moneypoint - MP3	285	0.00	100.00	0.00	0.00
	North Wall - NW5	104	0.00	0.00	100.00	0.00
	Poolbeg - PBA	231	99.89	0.11	0.00	0.00
	Poolbeg - PBB	231	100.00	0.00	0.00	0.00
	Turlough Hill - TH1	73	99.19	0.27	0.54	0.00
	Turlough Hill - TH2	73	65.86	34.14	0.00	0.00
Turlough Hill - TH3	73	99.13	0.06	0.81	0.00	
Turlough Hill - TH4	73	98.89	0.39	0.72	0.00	
West Offaly - WO4	137	92.69	7.31	0.00	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	81.55	1.14	17.31	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	99.20	0.01	0.00	0.79
	Rhode - RP1	52	95.70	4.30	0.00	0.00
	Rhode - RP2	52	97.85	2.15	0.00	0.00
	Tarbert - TB1	54	91.06	8.94	0.00	0.00
	Tarbert - TB2	54	85.72	14.28	0.00	0.00
	Tarbert - TB3	241	100.00	0.00	0.00	0.00
	Tarbert - TB4	243	81.71	11.83	6.46	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	73.98	26.02	0.00	0.00
Synergen	Dublin Bay - DB1	405	98.23	1.71	0.00	0.06
Tynagh Energy Ltd	Tynagh - TYC	384	88.23	8.89	0.00	2.88
Viridian	Huntstown - HN2	400	98.10	0.00	0.00	1.90
	Huntstown - HNC	342	89.13	7.98	0.00	2.89

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

Unit-by-Unit Average Monthly Availability – December 2019					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	25.98	70.53	3.49	0
	Activation Energy 2 – AE2	10.15	87.23	2.62	0
	Activation Energy 3 – AE3	34.31	65.69	0	0
	Activation Energy 4 – AE4	0.03	99.97	0	0
	Activation Energy 5 – AE5	56.45	43.55	0	0
	Enernoc 1 - EN1	0.03	99.97	0	0
	Enernoc 2 - EN2	0.03	99.97	0	0
	Enernoc 3-EN3	0.03	99.97	0	0
	Enernoc 4-EN4	0.03	99.97	0	0
	Enernoc 5-EN5	43.83	47.04	9.13	0
	Enernoc 6-EN6	44.88	41.65	13.47	0
DAE VPP	DAE VPP – DP1	71.44	0	28.56	0
	DAE VPP – DP2	5.31	0	94.69	0
Electricity Exchange Ltd	Electricity Exchange – EE1	47.54	0	52.46	0
	Electricity Exchange – EE2	18.51	0	81.49	0
	Electricity Exchange – EE3	22.73	0	77.27	0
	Electricity Exchange – EE4	11.87	0.11	88.02	0
	Electricity Exchange – EE5	54.02	0	45.98	0
Electric Ireland	Electric Ireland – EI1	51.09	0	48.91	0
Endeco	Endeco 1 – EC1	35.63	0	64.37	0
	Endeco 2 – EC2	8.33	0	91.67	0
	Endeco 5 – EC5	42.62	0	57.38	0
Energy Trading Ireland	Energy Trading – ET1	0	0	0	0
Powerhouse	Powerhouse – PG1	38.85	61.15	0	0
Viridian	Viridian Energy – VE1	14.96	0	85.04	0
	Viridian Energy – VE2	0	0	100	0

Table 3: System Total Average Monthly Availability – December 2019

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	79.63	14.62	5.08	0.67

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 – December 2018 to December 2019

Unit-by-Unit 365 Day Rolling Availability – December 2019						
Company	Unit	Capacity	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.25	1.86	3.23	5.66
	Seal Rock - SK4	85	88.75	0.14	6.71	4.40
Bord Gáis	Whitegate - WG1	444	88.91	4.73	4.41	1.95
Dublin Waste to Energy	DWTE - DW1	61.5	90.11	6.38	3.51	0.00
ESB Energy Ireland	Aghada - AD2	431	74.19	5.24	19.85	0.72
	Aghada - AT1	90	98.66	0.24	1.10	0.00
	Aghada - AT2	90	98.69	0.41	0.90	0.00
	Aghada - AT4	90	98.86	1.09	0.05	0.00
	Ardnacrusha - AA1	21	98.79	0.01	1.20	0.00
	Ardnacrusha - AA2	22	94.88	0.02	5.10	0.00
	Ardnacrusha - AA3	19	97.60	1.21	1.19	0.00
	Ardnacrusha - AA4	24	88.95	7.05	4.00	0.00
	Erne - ER1	10	90.29	7.08	2.63	0.00
	Erne - ER2	10	93.01	5.19	1.80	0.00
	Erne - ER3	22	96.76	1.55	1.69	0.00
	Erne - ER4	22	92.35	1.95	5.70	0.00
	Lee - LE1	15	90.68	3.66	5.66	0.00
	Lee - LE2	4	88.60	7.02	4.38	0.00
	Lee - LE3	8	96.06	0.26	3.68	0.00
	Liffey - LI1	15	94.94	3.87	1.19	0.00
	Liffey - LI2	15	87.50	11.85	0.65	0.00
	Liffey - LI4	4	97.43	0.61	1.96	0.00
	Liffey - LI5	4	99.70	0.26	0.04	0.00
	Lough Ree - LR4	91	69.14	25.85	5.01	0.00
	Moneypoint - MP1	285	73.77	26.20	0.03	0.00
	Moneypoint - MP2	285	50.46	37.84	11.70	0.00
	Moneypoint - MP3	285	56.67	43.28	0.05	0.00
	North Wall - NW5	104	72.96	0.82	25.88	0.34
	Poolbeg - PBA	231	74.83	11.19	13.98	0.00
	Poolbeg - PBB	231	75.85	19.74	4.41	0.00
	Turlough Hill - TH1	73	89.55	2.36	8.09	0.00
	Turlough Hill - TH2	73	87.75	4.03	8.22	0.00
	Turlough Hill - TH3	73	88.07	3.86	8.07	0.00
	Turlough Hill - TH4	73	91.42	0.20	8.38	0.00
West Offaly - WO4	137	86.45	8.62	4.93	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	80.47	2.12	17.41	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	78.53	18.96	1.21	1.30
	Rhode - RP1	52	94.09	5.91	0.00	0.00
	Rhode - RP2	52	93.96	4.07	1.97	0.00
	Tarbert - TB1	54	97.68	1.13	1.19	0.00
	Tarbert - TB2	54	94.55	3.53	1.92	0.00
	Tarbert - TB3	241	78.56	18.87	2.57	0.00
	Tarbert - TB4	243	91.24	6.57	2.19	0.00
	Tawnaghmore - TP1	52	99.96	0.04	0.00	0.00
Tawnaghmore - TP3	52	99.70	0.30	0.00	0.00	
Indaver	Indaver - IW1	16	89.08	7.06	3.86	0.00
Synergen	Dublin Bay - DB1	405	86.78	4.49	7.77	0.96
Tynagh Energy Ltd	Tynagh - TYC	384	87.29	7.51	1.45	3.75
Viridian	Huntstown - HN2	400	84.91	11.73	0.39	2.97
	Huntstown - HNC	342	83.77	6.93	5.72	3.58

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

Unit-by-Unit 365 Day Rolling Availability – December 2019					
Company	Unit	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
Activation Energy	Activation Energy 1 – AE1	26.78	59.86	13.36	0
	Activation Energy 2 – AE2	15.43	82.14	2.43	0
	Activation Energy 3 – AE3	56.16	43.83	0.01	0
	Activation Energy 4 – AE4	60.52	28.44	11.04	0
	Activation Energy 5 – AE5	55.33	29.73	14.94	0
	Enernoc 1-EN1	26.93	73.07	0	0
	Enernoc 2-EN2	3.33	96.67	0	0
	Enernoc3-EN3	16.71	83.29	0	0
	Enernoc 4-EN4	15.95	84.04	0.01	0
	Enernoc 5-EN5	50.18	44.4	5.42	0
	Enernoc 6-EN6	64.56	29.46	5.98	0
DAE VPP	DAE VPP – DP1	55.41	0.02	44.57	0
	DAE VPP – DP2	4	0	96	0
Electricity Exchange Ltd	Electricity Exchange – EE1	51.22	0.02	48.76	0
	Electricity Exchange – EE2	34.96	0	65.04	0
	Electricity Exchange – EE3	36.21	0	63.79	0
	Electricity Exchange – EE4	37.58	0.21	62.21	0
	Electricity Exchange – EE5	59.23	0.04	40.73	0
Electric Ireland	Electric Ireland – EI1	65.62	0.02	34.36	0
Endeco	Endeco 1 – EC1	54.9	0	45.1	0
	Endeco 2 – EC2	19.49	0	80.51	0
	Endeco 5 – EC5	53.32	0.04	46.64	0
Energy Trading Ireland	Energy Trading – ET1	56.13	43.87	0	0
Powerhouse	Powerhouse – PG1	43.07	56.93	0	0
Viridian	Viridian Energy – VE1	42.51	0	57.49	0
	Viridian Energy – VE2	39.48	0	60.52	0

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

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	76.97	14.78	7.29	0.96

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