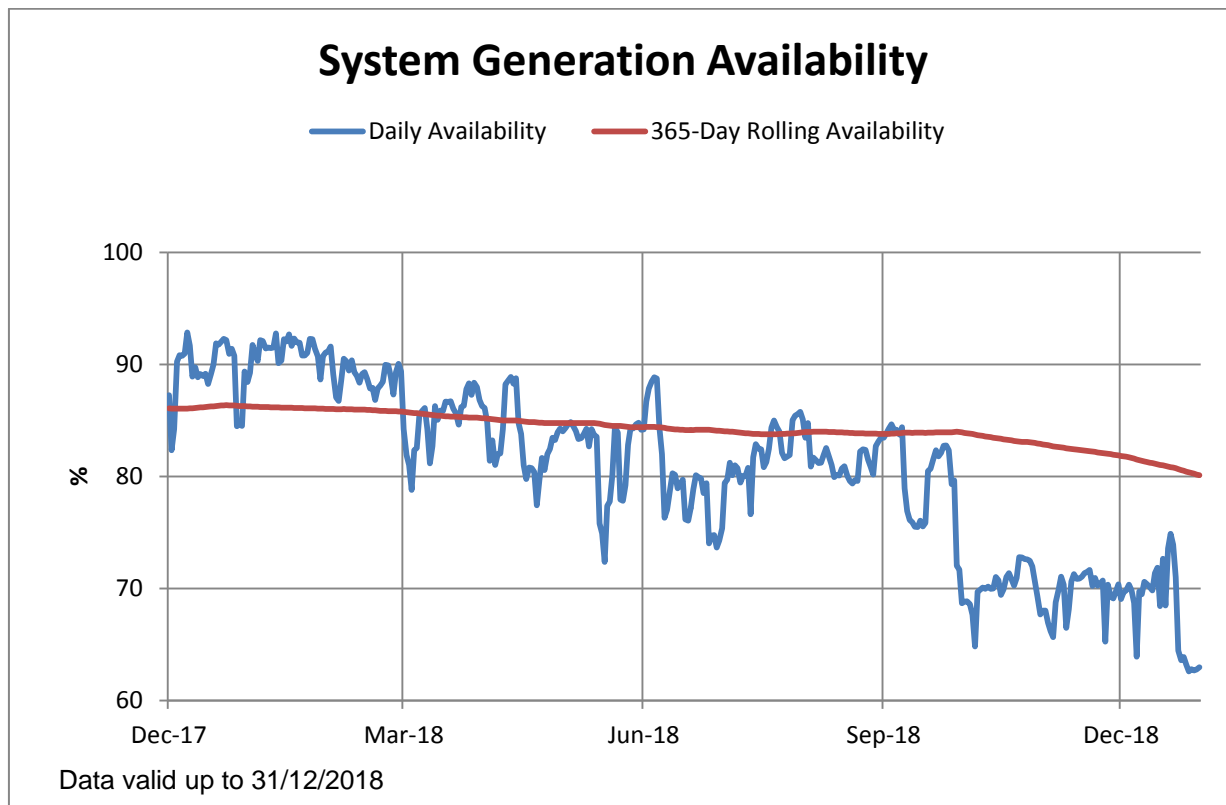


## EirGrid Monthly Availability Report – December 2018

Availability report for December 2018<sup>1</sup>.



### 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](mailto:info@eirgrid.com)

Email: [OutagePlanning@eirgrid.com](mailto:OutagePlanning@eirgrid.com)

[www.eirgridgroup.com](http://www.eirgridgroup.com)

<sup>1</sup> Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

**Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – December 2018**

Unit-by-Unit Average Monthly Availability – December 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>Aughinish Alumina Ltd</b>	Seal Rock - SK3	85	94.93	0.00	0.00	5.07
	Seal Rock - SK4	85	96.27	0.00	0.00	3.73
<b>Bord Gáis</b>	Whitegate - WG1	444	64.48	34.83	0.00	0.69
<b>Dublin Waste to Energy</b>	DWTE - DW1	61.5	99.51	0.49	0.00	0.00
<b>ESB Energy Ireland</b>	Aghada - AD1	258	0.00	0.00	100.00	0.00
	Aghada - AD2	431	99.45	0.06	0.00	0.49
	Aghada - AT1	90	94.88	5.12	0.00	0.00
	Aghada - AT2	90	99.00	0.00	1.00	0.00
	Aghada - AT4	90	100.00	0.00	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	100.00	0.00	0.00	0.00
	Ardnacrusha - AA4	24	98.32	0.07	1.61	0.00
	Erne - ER1	10	40.67	59.33	0.00	0.00
	Erne - ER2	10	100.00	0.00	0.00	0.00
	Erne - ER3	22	100.00	0.00	0.00	0.00
	Erne - ER4	22	100.00	0.00	0.00	0.00
	Lee - LE1	15	99.91	0.09	0.00	0.00
	Lee - LE2	4	100.00	0.00	0.00	0.00
	Lee - LE3	8	99.84	0.00	0.16	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	98.58	0.37	1.05	0.00
	Lough Ree - LR4	91	100.00	0.00	0.00	0.00
	Marina - MRC	123	0.00	100.00	0.00	0.00
	Moneypoint - MP1	285	0.00	100.00	0.00	0.00
	Moneypoint - MP2	285	0.00	100.00	0.00	0.00
	Moneypoint - MP3	285	27.00	73.00	0.00	0.00
	North Wall - NW5	104	89.24	10.76	0.00	0.00
	Poolbeg - PBA	231	100.00	0.00	0.00	0.00
	Poolbeg - PBB	231	73.52	26.48	0.00	0.00
	Turlough Hill - TH1	73	98.91	1.09	0.00	0.00
	Turlough Hill - TH2	73	98.90	1.10	0.00	0.00
	Turlough Hill - TH3	73	98.90	1.10	0.00	0.00
	Turlough Hill - TH4	73	98.88	1.12	0.00	0.00
	West Offaly - WO4	137	99.89	0.11	0.00	0.00
<b>Edenderry Power Ltd</b>	Edenderry - ED1	118	82.41	0.23	17.36	0.00
	Edenderry - ED3	58	100.00	0.00	0.00	0.00
	Edenderry - ED5	58	100.00	0.00	0.00	0.00
<b>SSE Generation Ireland</b>	Great Island - GI4	461	0.19	99.63	0.18	0.00
	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	98.06	1.94	0.00	0.00
	Tarbert - TB4	243	98.84	1.16	0.00	0.00
	Tawnaghmore - TP1	52	99.81	0.19	0.00	0.00
Tawnaghmore - TP3	52	100.00	0.00	0.00	0.00	
<b>Indaver</b>	Indaver - IW1	16	97.34	2.66	0.00	0.00
<b>Synergen</b>	Dublin Bay - DB1	405	91.33	8.66	0.00	0.01
<b>Tynagh Energy Ltd</b>	Tynagh - TYC	384	97.58	0.00	0.00	2.42
<b>Viridian</b>	Huntstown - HN2	400	98.16	0.00	0.00	1.84
	Huntstown - HNC	342	97.12	0.10	0.00	2.78

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

Unit-by-Unit Average Monthly Availability – December 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>Activation Energy</b>	Activation Energy 1 – AE1	22.53	70.02	7.45	0
	Activation Energy 2 – AE2	7.05	92.57	0.38	0
	Activation Energy 3 – AE3	44	56	0	0
	Activation Energy 4 – AE4	0	100	0	0
	Activation Energy 5 – AE5	55.53	1.46	43.01	0
<b>DAE VPP</b>	DAE VPP – DP1	69.04	0	30.96	0
	DAE VPP – DP2	28	0	72	0
<b>Electricity Exchange Ltd</b>	Electricity Exchange – EE1	43.14	0	56.86	0
	Electricity Exchange – EE2	40.18	0	59.82	0
	Electricity Exchange – EE3	42.77	0	57.23	0
	Electricity Exchange – EE4	55.8	0	44.2	0
	Electricity Exchange – EE5	46.08	0	53.92	0
<b>Electric Ireland</b>	Electric Ireland – EI1	78.08	0	21.92	0
<b>Endeco</b>	Endeco 1 – EC1	55.88	0	44.12	0
	Endeco 2 – EC2	29.78	0	70.22	0
	Endeco 5 – EC5	43.71	0	56.29	0
<b>Energy Trading Ireland</b>	Energy Trading – ET1	60.53	39.47	0	0
<b>Powerhouse</b>	Powerhouse – PG1	52.2	47.8	0	0
<b>Viridian</b>	Viridian Energy – VE1	53.39	0	46.61	0
	Viridian Energy – VE2	38.44	0.03	61.53	0

**Table 3: System Total Average Monthly Availability – December 2018**

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>System Total Average Availability</b>	68.26	25.74	5.48	0.52

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

Unit-by-Unit 365 Day Rolling Availability – December 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>Aughinish Alumina Ltd</b>	Seal Rock - SK3	85	89.48	1.96	2.86	5.70
	Seal Rock - SK4	85	90.42	1.97	2.56	5.05
<b>Bord Gáis</b>	Whitegate - WG1	444	65.61	13.37	19.95	1.07
<b>Dublin Waste to Energy</b>	DWTE - DW1	61.5	85.40	11.32	3.28	0.00
<b>ESB Energy Ireland</b>	Aghada - AD1	258	73.52	1.25	25.23	0.00
	Aghada - AD2	431	96.21	0.33	2.21	1.25
	Aghada - AT1	90	98.07	0.46	1.43	0.04
	Aghada - AT2	90	97.55	0.27	2.14	0.04
	Aghada - AT4	90	92.04	0.72	7.20	0.04
	Ardnacrusha - AA1	21	66.32	0.40	33.28	0.00
	Ardnacrusha - AA2	22	68.53	5.15	26.32	0.00
	Ardnacrusha - AA3	19	69.57	2.71	27.72	0.00
	Ardnacrusha - AA4	24	68.78	3.78	27.44	0.00
	Erne - ER1	10	88.24	10.50	1.26	0.00
	Erne - ER2	10	93.08	3.17	3.75	0.00
	Erne - ER3	22	92.00	6.82	1.18	0.00
	Erne - ER4	22	98.86	0.01	1.13	0.00
	Lee - LE1	15	98.61	0.07	1.32	0.00
	Lee - LE2	4	78.19	21.45	0.36	0.00
	Lee - LE3	8	93.60	0.02	6.38	0.00
	Liffey - LI1	15	92.79	0.06	7.15	0.00
	Liffey - LI2	15	92.81	0.04	7.15	0.00
	Liffey - LI4	4	92.85	0.00	7.15	0.00
	Liffey - LI5	4	93.78	0.03	6.19	0.00
	Lough Ree - LR4	91	88.60	7.44	3.96	0.00
	Marina - MRC	123	68.06	31.13	0.34	0.47
	Moneypoint - MP1	285	56.44	26.51	17.05	0.00
	Moneypoint - MP2	285	69.02	30.34	0.64	0.00
	Moneypoint - MP3	285	29.99	54.13	15.88	0.00
	North Wall - NW5	104	88.10	8.09	3.75	0.06
	Poolbeg - PBA	231	88.49	3.05	8.46	0.00
	Poolbeg - PBB	231	87.82	7.16	5.02	0.00
	Turlough Hill - TH1	73	96.15	1.61	2.24	0.00
	Turlough Hill - TH2	73	96.25	2.97	0.78	0.00
	Turlough Hill - TH3	73	95.27	2.34	2.39	0.00
	Turlough Hill - TH4	73	92.29	6.06	1.65	0.00
	West Offaly - WO4	137	70.78	9.03	20.19	0.00
<b>Edenderry Power Ltd</b>	Edenderry - ED1	118	87.55	2.54	9.91	0.00
	Edenderry - ED3	58	99.88	0.00	0.12	0.00
	Edenderry - ED5	58	99.49	0.39	0.12	0.00
<b>SSE Generation Ireland</b>	Great Island - GI4	461	71.97	18.98	8.09	0.96
	Rhode - RP1	52	97.11	2.89	0.00	0.00
	Rhode - RP2	52	97.94	2.06	0.00	0.00
	Tarbert - TB1	54	99.69	0.31	0.00	0.00
	Tarbert - TB2	54	97.58	2.42	0.00	0.00
	Tarbert - TB3	241	99.77	0.19	0.04	0.00
	Tarbert - TB4	243	92.42	3.86	3.72	0.00
	Tawnaghmore - TP1	52	98.63	0.15	1.22	0.00
Tawnaghmore - TP3	52	97.89	1.90	0.21	0.00	
<b>Indaver</b>	Indaver - IW1	16	90.05	5.44	4.51	0.00
<b>Synergen</b>	Dublin Bay - DB1	405	98.12	1.42	0.42	0.04
<b>Tynagh Energy Ltd</b>	Tynagh - TYC	384	93.81	0.29	2.42	3.48
<b>Viridian</b>	Huntstown - HN2	400	96.04	0.26	0.02	3.68
	Huntstown - HNC	342	93.00	0.11	2.93	3.96

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

Unit-by-Unit 365 Day Rolling Availability – December 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>Activation Energy</b>	Activation Energy 1 – AE1	31.23	58.41	10.36	0
	Activation Energy 2 – AE2	36.14	62.67	1.19	0
	Activation Energy 3 – AE3	56.64	39.8	3.56	0
	Activation Energy 4 – AE4	0	100	0	0
	Activation Energy 5 – AE5	55.12	4.63	40.25	0
<b>DAE VPP</b>	DAE VPP – DP1	74.15	0	25.85	0
	DAE VPP – DP2	25.46	0	74.54	0
<b>Electricity Exchange Ltd</b>	Electricity Exchange – EE1	57.13	2.79	40.08	0
	Electricity Exchange – EE2	54.43	3.58	41.99	0
	Electricity Exchange – EE3	37.72	7.54	54.74	0
	Electricity Exchange – EE4	66.12	5.26	28.62	0
	Electricity Exchange – EE5	51.55	6.02	42.43	0
<b>Electric Ireland</b>	Electric Ireland – EI1	78.54	0.04	21.42	0
<b>Endeco</b>	Endeco 1 – EC1	56.21	0	43.79	0
	Endeco 2 – EC2	39.51	0.04	60.45	0
	Endeco 5 – EC5	49.07	8.36	42.57	0
<b>Energy Trading Ireland</b>	Energy Trading – ET1	69.9	30.1	0	0
<b>Powerhouse</b>	Powerhouse – PG1	73.24	26.76	0	0
<b>Viridian</b>	Viridian Energy – VE1	54.42	0	45.58	0
	Viridian Energy – VE2	49.32	0.02	50.66	0

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

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
<b>System Total Average Availability</b>	79.94	11.58	7.59	0.89