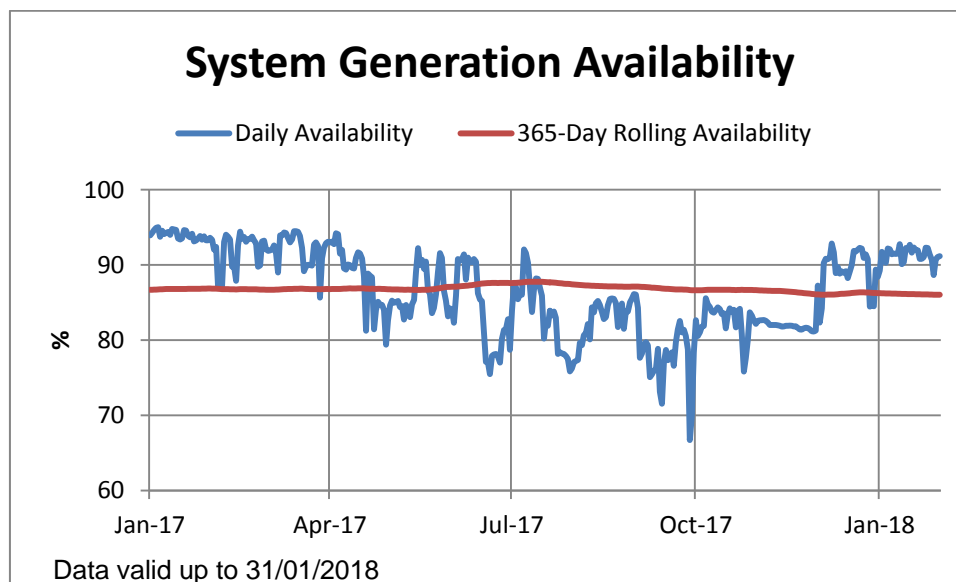


## EirGrid Monthly Availability Report – January 2018

Availability report for January 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. Units added in September are not included in these statistics

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

Unit-by-Unit Average Monthly Availability – January 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>Aughinish Alumina Ltd</b>	Seal Rock - SK3	85	88.43	0.24	8.84	2.49
	Seal Rock - SK4	85	96.83	0.00	0.00	3.17
<b>Bord Gáis</b>	Whitegate - WG1	444	98.67	0.00	0.46	0.87
<b>Dublin Waste to Energy</b>	DWTE - DW1	61.5	97.73	2.27	0.00	0.00
<b>ESB Energy Ireland</b>	Aghada - AD1	258	100.00	0.00	0.00	0.00
	Aghada - AD2	431	99.26	0.00	0.00	0.74
	Aghada - AT1	90	99.96	0.04	0.00	0.00
	Aghada - AT2	90	99.92	0.08	0.00	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	99.91	0.09	0.00	0.00
	Ardnacrusha - AA3	19	100.00	0.00	0.00	0.00
	Ardnacrusha - AA4	24	93.54	6.24	0.22	0.00
	Erne - ER1	10	98.26	1.74	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	100.00	0.00	0.00	0.00
	Lee - LE2	4	97.88	0.00	2.12	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	87.18	11.86	0.96	0.00
	Marina - MRC	123	98.95	0.00	0.00	1.05
	Moneypoint - MP1	285	98.23	1.77	0.00	0.00
	Moneypoint - MP2	285	96.89	3.11	0.00	0.00
	Moneypoint - MP3	285	98.54	1.46	0.00	0.00
	North Wall - NW5	104	100.00	0.00	0.00	0.00
	Poolbeg - PBA	231	67.59	32.41	0.00	0.00
	Poolbeg - PBB	231	67.14	32.86	0.00	0.00
	Turlough Hill - TH1	73	99.97	0.03	0.00	0.00
	Turlough Hill - TH2	73	100.00	0.00	0.00	0.00
	Turlough Hill - TH3	73	100.00	0.00	0.00	0.00
	Turlough Hill - TH4	73	99.40	0.00	0.60	0.00
West Offaly - WO4	137	73.85	6.02	20.13	0.00	
<b>Edenderry Power Ltd</b>	Edenderry - ED1	118	97.06	2.82	0.12	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	96.62	3.11	0.00	0.27
	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	100.00	0.00	0.00	0.00
	Tarbert - TB4	243	100.00	0.00	0.00	0.00
	Tawnaghmore - TP1	52	100.00	0.00	0.00	0.00
Tawnaghmore - TP3	52	100.00	0.00	0.00	0.00	
<b>Indaver</b>	Indaver - IW1	16	87.01	12.99	0.00	0.00
<b>Synergen</b>	Dublin Bay - DB1	405	99.56	0.44	0.00	0.00
<b>Tynagh Energy Ltd</b>	Tynagh - TYC	384	97.98	0.00	0.00	2.02
<b>Viridian</b>	Huntstown - HN2	400	97.65	0.38	0.00	1.97
	Huntstown - HNC	342	96.46	0.00	1.01	2.53

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

Unit-by-Unit Average Monthly Availability – January 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>Activation Energy</b>	Activation Energy 1 – AE1	31.62	56.55	11.83	0.00
	Activation Energy 2 – AE2	14.51	85.49	0.00	0.00
	Activation Energy 3 – AE3	71.86	23.42	4.72	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	56.12	22.62	21.26	0.00
<b>DAE VPP</b>	DAE VPP – DP1	79.80	0.01	20.19	0.00
	DAE VPP – DP2	75.19	0.00	24.81	0.00
<b>Electricity Exchange Ltd</b>	Electricity Exchange – EE1	47.75	12.74	39.51	0.00
	Electricity Exchange – EE2	84.39	8.19	7.42	0.00
	Electricity Exchange – EE3	40.41	30.98	28.61	0.00
	Electricity Exchange – EE4	36.67	33.90	29.43	0.00
	Electricity Exchange – EE5	49.09	17.21	33.70	0.00
<b>Electric Ireland</b>	Electric Ireland – EI1	86.04	0.00	13.96	0.00
<b>Endeco</b>	Endeco 1 – EC1	63.25	0.00	36.75	0.00
	Endeco 2 – EC2	64.56	0.00	35.44	0.00
<b>Energy Trading Ireland</b>	Energy Trading – ET1	73.02	26.98	0.00	0.00
<b>Powerhouse</b>	Powerhouse – PG1	72.28	27.72	0.00	0.00
<b>Viridian</b>	Viridian Energy – VE1	49.68	0.00	50.32	0.00
	Viridian Energy – VE2	28.98	0.00	71.02	0.00

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

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>System Total Average Availability</b>	91.33	6.51	1.64	0.52

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

Unit-by-Unit 365 Day Rolling Availability – January 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>Aughinish Alumina Ltd</b>	Seal Rock - SK3	85	84.33	0.52	9.76	5.39
	Seal Rock - SK4	85	91.83	1.24	2.34	4.59
<b>Bord Gáis</b>	Whitegate - WG1	444	93.84	0.99	3.31	1.86
<b>Dublin Waste to Energy</b>	DWTE - DW1	61.5	46.11	41.23	12.66	0.00
<b>ESB Energy Ireland</b>	Aghada - AD1	258	98.96	0.00	1.03	0.01
	Aghada - AD2	431	92.14	1.59	5.81	0.46
	Aghada - AT1	90	98.01	1.33	0.66	0.00
	Aghada - AT2	90	98.47	0.50	1.03	0.00
	Aghada - AT4	90	98.48	0.29	1.23	0.00
	Ardnacrusha - AA1	21	66.21	2.72	31.07	0.00
	Ardnacrusha - AA2	22	79.76	2.58	17.66	0.00
	Ardnacrusha - AA3	19	72.36	4.30	23.34	0.00
	Ardnacrusha - AA4	24	38.64	52.81	8.55	0.00
	Erne - ER1	10	98.48	0.26	1.26	0.00
	Erne - ER2	10	96.64	1.87	1.49	0.00
	Erne - ER3	22	97.29	1.48	1.23	0.00
	Erne - ER4	22	98.22	0.47	1.31	0.00
	Lee - LE1	15	84.24	2.58	13.18	0.00
	Lee - LE2	4	61.35	4.93	33.72	0.00
	Lee - LE3	8	91.11	3.77	5.12	0.00
	Liffey - LI1	15	98.49	0.00	1.51	0.00
	Liffey - LI2	15	98.49	0.00	1.51	0.00
	Liffey - LI4	4	65.37	9.93	24.70	0.00
	Liffey - LI5	4	99.92	0.08	0.00	0.00
	Lough Ree - LR4	91	71.06	8.32	20.62	0.00
	Marina - MRC	123	95.73	3.10	0.89	0.28
	Moneypoint - MP1	285	93.40	4.01	2.59	0.00
	Moneypoint - MP2	285	91.17	4.30	4.53	0.00
	Moneypoint - MP3	285	88.91	7.47	3.62	0.00
	North Wall - NW5	104	95.40	2.99	1.61	0.00
	Poolbeg - PBA	231	51.18	47.67	1.15	0.00
	Poolbeg - PBB	231	82.63	16.40	0.97	0.00
	Turlough Hill - TH1	73	70.70	21.72	7.58	0.00
	Turlough Hill - TH2	73	71.03	15.76	13.21	0.00
	Turlough Hill - TH3	73	71.03	21.50	7.47	0.00
	Turlough Hill - TH4	73	70.89	21.54	7.57	0.00
	West Offaly - WO4	137	84.13	10.27	5.60	0.00
<b>Edenderry Power Ltd</b>	Edenderry - ED1	118	87.53	2.24	10.23	0.00
	Edenderry - ED3	58	99.12	0.55	0.33	0.00
	Edenderry - ED5	58	99.32	0.55	0.13	0.00
<b>SSE Generation Ireland</b>	Great Island - GI4	461	91.21	2.87	4.68	1.24
	Rhode - RP1	52	98.57	0.22	1.21	0.00
	Rhode - RP2	52	98.61	0.26	1.13	0.00
	Tarbert - TB1	54	98.71	0.16	1.13	0.00
	Tarbert - TB2	54	97.82	0.66	1.52	0.00
	Tarbert - TB3	241	98.57	0.11	1.32	0.00
	Tarbert - TB4	243	99.42	0.22	0.36	0.00
	Tawnaghmore - TP1	52	98.97	1.03	0.00	0.00
Tawnaghmore - TP3	52	99.83	0.17	0.00	0.00	
<b>Indaver</b>	Indaver - IW1	16	86.56	8.70	4.74	0.00
<b>Synergen</b>	Dublin Bay - DB1	405	88.81	8.04	3.03	0.12
<b>Tynagh Energy Ltd</b>	Tynagh - TYC	384	95.28	0.67	1.12	2.93
<b>Viridian</b>	Huntstown - HN2	400	89.52	7.01	0.09	3.38
	Huntstown - HNC	342	93.58	0.27	2.24	3.91

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

Unit-by-Unit 365 Day Rolling Availability – January 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	34.84	51.13	14.03	0.00
	Activation Energy 2 – AE2	45.43	54.13	0.44	0.00
	Activation Energy 3 – AE3	66.82	30.77	2.41	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	54.81	13.95	31.24	0.00
DAE VPP	DAE VPP – DP1	67.92	0.00	32.08	0.00
	DAE VPP – DP2	46.89	0.00	53.11	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	53.37	16.32	30.31	0.00
	Electricity Exchange – EE2	72.86	12.87	14.27	0.00
	Electricity Exchange – EE3	45.72	33.88	20.40	0.00
	Electricity Exchange – EE4	40.90	21.16	37.94	0.00
	Electricity Exchange – EE5	49.95	23.73	26.32	0.00
Electric Ireland	Electric Ireland – EI1	84.46	3.06	12.48	0.00
Endeco	Endeco 1 – EC1	68.38	0.06	31.56	0.00
	Endeco 2 – EC2	62.10	0.28	37.62	0.00
Energy Trading Ireland	Energy Trading – ET1	77.06	22.94	0.00	0.00
Powerhouse	Powerhouse – PG1	77.51	22.49	0.00	0.00
Viridian	Viridian Energy – VE1	62.34	0.00	37.66	0.00
	Viridian Energy – VE2	37.30	10.23	52.47	0.00

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

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
<b>System Total Average Availability</b>	85.95	8.96	4.23	0.86