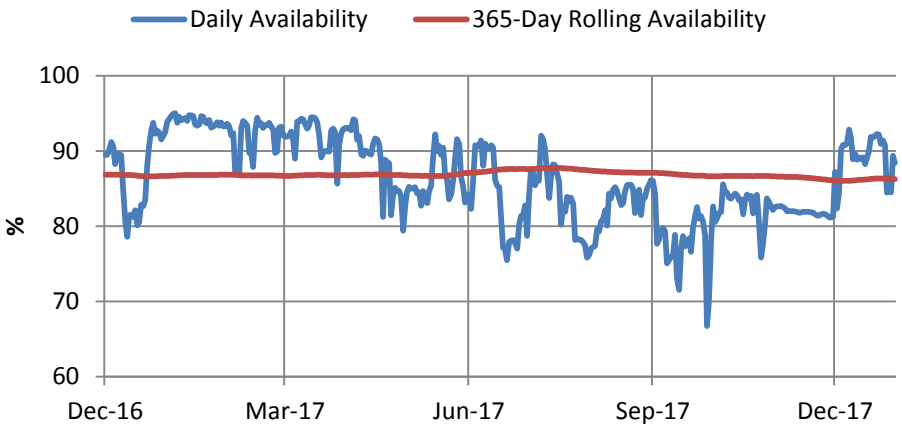
EirGrid Monthly Availability Report – December 2017

Availability report for December 2017[1].

System Generation Availability



Data valid up to 31/12/2017

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. Units added in September are not included in these statistics

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Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – December 2017

Unit-by-Unit Average Monthly Availability – December 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	96.64	0.59	0.00	2.77
	Seal Rock - SK4	85	97.98	0.17	0.00	1.85
Bord Gáis	Whitegate - WG1	444	89.54	0.00	10.11	0.35
Dublin Waste to Energy	DWTE - DW1	61.5	87.73	11.32	0.95	0.00
ESB Energy Ireland	Aghada - AD1	258	100.00	0.00	0.00	0.00
	Aghada - AD2	431	99.67	0.00	0.00	0.33
	Aghada - AT1	90	100.00	0.00	0.00	0.00
	Aghada - AT2	90	99.61	0.39	0.00	0.00
	Aghada - AT4	90	100.00	0.00	0.00	0.00
	Ardnacrusha - AA1	21	99.69	0.31	0.00	0.00
	Ardnacrusha - AA2	22	96.15	2.72	1.13	0.00
	Ardnacrusha - AA3	19	71.76	28.24	0.00	0.00
	Ardnacrusha - AA4	24	51.68	46.04	2.28	0.00
	Erne - ER1	10	100.00	0.00	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	96.99	3.01	0.00	0.00
	Lee - LE1	15	98.34	0.45	1.21	0.00
	Lee - LE2	4	98.43	0.36	1.21	0.00
	Lee - LE3	8	98.80	0.14	1.06	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	68.04	31.96	0.00	0.00
	Liffey - LI5	4	100.00	0.00	0.00	0.00
	Lough Ree - LR4	91	98.97	1.03	0.00	0.00
	Marina - MRC	123	98.95	0.00	0.00	1.05
	Moneypoint - MP1	285	97.83	2.17	0.00	0.00
	Moneypoint - MP2	285	95.93	4.07	0.00	0.00
	Moneypoint - MP3	285	98.24	1.76	0.00	0.00
	North Wall - NW5	104	100.00	0.00	0.00	0.00
	Poolbeg - PBA	231	33.13	66.87	0.00	0.00
	Poolbeg - PBB	231	67.83	32.17	0.00	0.00
	Turlough Hill - TH1	73	92.68	0.83	6.49	0.00
	Turlough Hill - TH2	73	93.03	0.83	6.14	0.00
	Turlough Hill - TH3	73	92.47	0.83	6.70	0.00
	Turlough Hill - TH4	73	91.57	1.53	6.90	0.00
	West Offaly - WO4	137	94.60	4.92	0.48	0.00
Edenderry Power Ltd	Edenderry - ED1	118	81.90	0.63	17.47	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	99.78	0.00	0.00	0.22
	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
Indaver	Indaver - IW1	16	83.28	16.72	0.00	0.00
Synergen	Dublin Bay - DB1	405	93.22	0.13	6.62	0.03
Tynagh Energy Ltd	Tynagh - TYC	384	98.52	0.00	0.00	1.48
Viridian	Huntstown - HN2	400	98.38	0.00	0.00	1.62
	Huntstown - HNC	342	97.91	0.00	0.00	2.09

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – December 2017

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Unit-by-Unit Average Monthly Availability – December 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	19.94	70.19	9.87	0.00
	Activation Energy 2 – AE2	22.62	76.43	0.95	0.00
	Activation Energy 3 – AE3	53.27	32.63	14.10	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	56.13	24.28	19.59	0.00
DAE VPP	DAE VPP – DP1	76.12	0.00	23.88	0.00
	DAE VPP – DP2	60.41	0.00	39.59	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	47.64	17.53	34.83	0.00
	Electricity Exchange – EE2	76.15	14.17	9.68	0.00
	Electricity Exchange – EE3	43.93	39.37	16.70	0.00
	Electricity Exchange – EE4	52.25	13.73	34.02	0.00
	Electricity Exchange – EE5	58.13	19.06	22.81	0.00
Electric Ireland	Electric Ireland – EI1	80.09	0.00	19.91	0.00
Endeco	Endeco 1 – EC1	62.43	0.00	37.57	0.00
	Endeco 2 – EC2	69.77	0.00	30.23	0.00
Energy Trading Ireland	Energy Trading – ET1	75.72	24.28	0.00	0.00
Powerhouse	Powerhouse – PG1	69.81	30.19	0.00	0.00
Viridian	Viridian Energy – VE1	53.76	0.00	46.24	0.00
	Viridian Energy – VE2	39.75	0.00	60.25	0.00

Table 3: System Total Average Monthly Availability – December 2017

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	89.29	7.78	2.55	0.38

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Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – December 2016 to December 2017

Unit-by-Unit 365 Day Rolling Availability – December 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	84.30	0.53	9.71	5.46
	Seal Rock - SK4	85	91.94	1.24	2.34	4.48
Bord Gáis	Whitegate - WG1	444	93.94	0.99	3.27	1.80
Dublin Waste to Energy	DWTE - DW1	61.5	39.97	45.86	14.17	0.00
ESB Energy Ireland	Aghada - AD1	258	98.96	0.00	1.03	0.01
	Aghada - AD2	431	92.20	1.59	5.81	0.40
	Aghada - AT1	90	98.01	1.33	0.66	0.00
	Aghada - AT2	90	98.48	0.49	1.03	0.00
	Aghada - AT4	90	98.48	0.29	1.23	0.00
	Ardnacrusha - AA1	21	65.21	2.72	32.07	0.00
	Ardnacrusha - AA2	22	78.51	2.84	18.65	0.00
	Ardnacrusha - AA3	19	71.37	4.30	24.33	0.00
	Ardnacrusha - AA4	24	37.29	52.29	10.42	0.00
	Erne - ER1	10	98.63	0.11	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	98.21	0.48	1.31	0.00
	Lee - LE1	15	75.75	2.58	21.67	0.00
	Lee - LE2	4	53.04	4.93	42.03	0.00
	Lee - LE3	8	91.07	3.81	5.12	0.00
	Liffey - LI1	15	98.13	0.00	1.87	0.00
	Liffey - LI2	15	98.13	0.00	1.87	0.00
	Liffey - LI4	4	56.88	9.93	33.19	0.00
	Liffey - LI5	4	99.92	0.08	0.00	0.00
	Lough Ree - LR4	91	71.50	7.96	20.54	0.00
	Marina - MRC	123	95.66	3.18	0.89	0.27
	Moneypoint - MP1	285	93.19	4.22	2.59	0.00
	Moneypoint - MP2	285	91.38	4.09	4.53	0.00
	Moneypoint - MP3	285	88.64	7.74	3.62	0.00
	North Wall - NW5	104	95.40	2.99	1.61	0.00
	Poolbeg - PBA	231	53.94	44.91	1.15	0.00
	Poolbeg - PBB	231	85.42	13.61	0.97	0.00
	Turlough Hill - TH1	73	70.62	21.80	7.58	0.00
	Turlough Hill - TH2	73	70.95	15.84	13.21	0.00
	Turlough Hill - TH3	73	70.94	21.59	7.47	0.00
	Turlough Hill - TH4	73	70.27	22.11	7.62	0.00
	West Offaly - WO4	137	85.90	10.21	3.89	0.00
Edenderry Power Ltd	Edenderry - ED1	118	87.67	2.11	10.22	0.00
	Edenderry - ED3	58	99.12	0.55	0.33	0.00
	Edenderry - ED5	58	99.32	0.55	0.13	0.00
SSE Generation Ireland	Great Island - GI4	461	91.47	2.61	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
Indaver	Indaver - IW1	16	87.60	7.66	4.74	0.00
Synergen	Dublin Bay - DB1	405	88.82	8.03	3.03	0.12
Tynagh Energy Ltd	Tynagh - TYC	384	95.36	0.67	1.12	2.85
Viridian	Huntstown - HN2	400	89.63	6.98	0.09	3.30
	Huntstown - HNC	342	93.78	0.27	2.15	3.80

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Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – December 2016 to December 2017

Unit-by-Unit 365 Day Rolling Availability – December 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	35.04	50.81	14.15	0.00
	Activation Energy 2 – AE2	49.11	50.44	0.45	0.00
	Activation Energy 3 – AE3	67.24	30.38	2.38	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	52.75	17.39	29.86	0.00
DAE VPP	DAE VPP – DP1	66.82	0.00	33.18	0.00
	DAE VPP – DP2	40.51	0.00	59.49	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	53.61	16.98	29.41	0.00
	Electricity Exchange – EE2	72.54	12.76	14.70	0.00
	Electricity Exchange – EE3	47.51	34.86	17.63	0.00
	Electricity Exchange – EE4	42.27	17.07	40.66	0.00
	Electricity Exchange – EE5	50.17	25.44	24.39	0.00
Electric Ireland	Electric Ireland – EI1	84.17	3.21	12.62	0.00
Endeco	Endeco 1 – EC1	68.53	0.06	31.41	0.00
	Endeco 2 – EC2	65.65	0.28	34.07	0.00
Energy Trading Ireland	Energy Trading – ET1	76.57	23.43	0.00	0.00
Powerhouse	Powerhouse – PG1	78.36	21.64	0.00	0.00
Viridian	Viridian Energy – VE1	62.07	0.00	37.93	0.00
	Viridian Energy – VE2	39.61	13.08	47.31	0.00

Table 6: 365 Day Rolling System Total Average Availability – December 2016 to December 2017

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	86.17	8.76	4.23	0.84

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