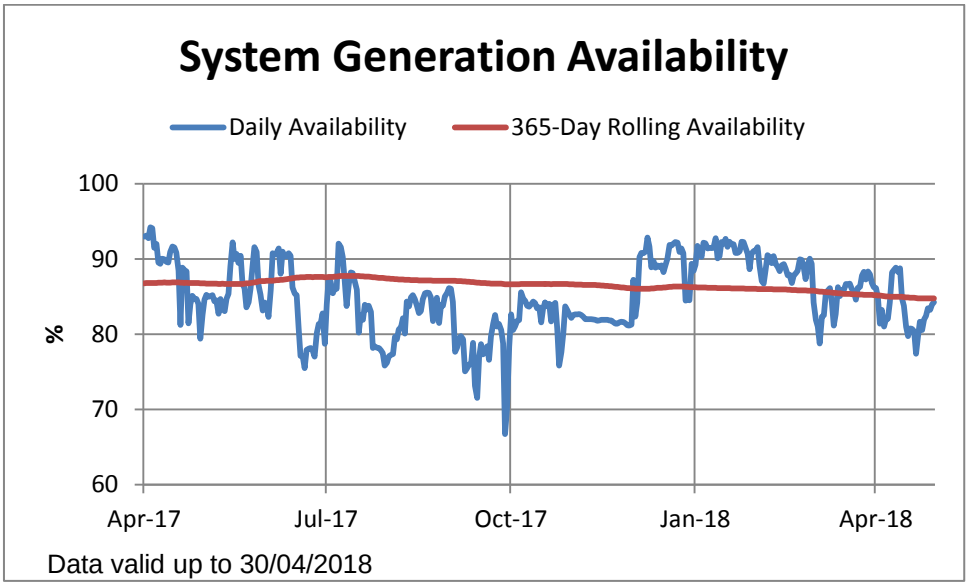
EirGrid Monthly Availability Report – April 2018

Availability report for April 2018[1].



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 – April 2018

Unit-by-Unit Average Monthly Availability – April 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	94.13	0.00	0.00	5.87
	Seal Rock - SK4	85	89.03	7.27	0.01	3.69
Bord Gáis	Whitegate - WG1	444	0.00	56.94	43.06	0.00
Dublin Waste to Energy	DWTE - DW1	61.5	93.34	6.66	0.00	0.00
ESB Energy Ireland	Aghada - AD1	258	100.00	0.00	0.00	0.00
	Aghada - AD2	431	99.50	0.00	0.00	0.50
	Aghada - AT1	90	88.65	0.00	11.35	0.00
	Aghada - AT2	90	82.52	0.00	17.48	0.00
	Aghada - AT4	90	100.00	0.00	0.00	0.00
	Ardnacrusha - AA1	21	94.47	0.39	5.14	0.00
	Ardnacrusha - AA2	22	100.00	0.00	0.00	0.00
	Ardnacrusha - AA3	19	85.42	0.00	14.58	0.00
	Ardnacrusha - AA4	24	83.11	16.89	0.00	0.00
	Erne - ER1	10	99.83	0.17	0.00	0.00
	Erne - ER2	10	99.94	0.06	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	99.53	0.00	0.47	0.00
	Lee - LE2	4	1.32	98.68	0.00	0.00
	Lee - LE3	8	99.94	0.06	0.00	0.00
	Liffey - LI1	15	99.42	0.58	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	99.97	0.03	0.00	0.00
	Lough Ree - LR4	91	92.77	7.23	0.00	0.00
	Marina - MRC	123	98.95	0.00	0.00	1.05
	Moneypoint - MP1	285	99.50	0.50	0.00	0.00
	Moneypoint - MP2	285	82.73	9.49	7.78	0.00
	Moneypoint - MP3	285	43.39	0.01	56.60	0.00
	North Wall - NW5	104	98.67	0.00	1.33	0.00
	Poolbeg - PBA	231	100.00	0.00	0.00	0.00
	Poolbeg - PBB	231	80.68	0.00	19.32	0.00
	Turlough Hill - TH1	73	99.03	0.00	0.97	0.00
	Turlough Hill - TH2	73	99.03	0.00	0.97	0.00
	Turlough Hill - TH3	73	99.03	0.00	0.97	0.00
	Turlough Hill - TH4	73	99.03	0.00	0.97	0.00
	West Offaly - WO4	137	91.34	8.66	0.00	0.00
Edenderry Power Ltd	Edenderry - ED1	118	83.97	5.24	10.79	0.00
	Edenderry - ED3	58	100.00	0.00	0.00	0.00
	Edenderry - ED5	58	95.56	4.44	0.00	0.00
SSE Generation Ireland	Great Island - GI4	461	87.23	0.83	11.49	0.45
	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	48.94	1.53	49.53	0.00
Synergen	Dublin Bay - DB1	405	99.90	0.08	0.00	0.02
Tynagh Energy Ltd	Tynagh - TYC	384	97.19	0.00	0.00	2.81
Viridian	Huntstown - HN2	400	96.54	0.08	0.00	3.38
	Huntstown - HNC	342	95.56	0.67	0.00	3.77

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

Unit-by-Unit Average Monthly Availability – April 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	37.13	57.73	5.14	0.00
	Activation Energy 2 – AE2	41.14	57.78	1.08	0.00
	Activation Energy 3 – AE3	55.01	40.27	4.72	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	56.25	0.00	43.75	0.00
DAE VPP	DAE VPP – DP1	75.06	0.00	24.94	0.00
	DAE VPP – DP2	39.18	0.00	60.82	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	54.08	3.70	42.22	0.00
	Electricity Exchange – EE2	62.97	3.11	33.92	0.00
	Electricity Exchange – EE3	32.81	3.16	64.03	0.00
	Electricity Exchange – EE4	71.96	3.25	24.79	0.00
	Electricity Exchange – EE5	52.61	6.69	40.70	0.00
Electric Ireland	Electric Ireland – EI1	88.00	0.27	11.73	0.00
Endeco	Endeco 1 – EC1	51.06	0.00	48.94	0.00
	Endeco 2 – EC2	39.13	0.00	60.87	0.00
Energy Trading Ireland	Energy Trading – ET1	86.17	13.83	0.00	0.00
Powerhouse	Powerhouse – PG1	83.82	16.18	0.00	0.00
Viridian	Viridian Energy – VE1	60.84	0.00	39.16	0.00
	Viridian Energy – VE2	59.21	0.00	40.79	0.00

Table 3: System Total Average Monthly Availability – April 2018

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	83.25	7.7	8.37	0.68

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

Unit-by-Unit 365 Day Rolling Availability – April 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	84.33	0.97	9.21	5.49
	Seal Rock - SK4	85	91.00	2.34	1.87	4.79
Bord Gáis	Whitegate - WG1	444	70.58	5.65	22.08	1.69
Dublin Waste to Energy	DWTE - DW1	61.5	57.66	31.79	10.55	0.00
ESB Energy Ireland	Aghada - AD1	258	98.96	0.00	1.03	0.01
	Aghada - AD2	431	93.92	0.56	4.96	0.56
	Aghada - AT1	90	97.97	0.43	1.60	0.00
	Aghada - AT2	90	97.91	0.47	1.62	0.00
	Aghada - AT4	90	99.64	0.29	0.07	0.00
	Ardnacrusha - AA1	21	69.45	3.11	27.44	0.00
	Ardnacrusha - AA2	22	81.10	2.64	16.26	0.00
	Ardnacrusha - AA3	19	73.08	4.47	22.45	0.00
	Ardnacrusha - AA4	24	37.57	54.57	7.86	0.00
	Erne - ER1	10	98.51	0.23	1.26	0.00
	Erne - ER2	10	94.16	4.35	1.49	0.00
	Erne - ER3	22	97.38	1.47	1.15	0.00
	Erne - ER4	22	98.31	0.46	1.23	0.00
	Lee - LE1	15	98.69	1.17	0.14	0.00
	Lee - LE2	4	65.33	25.23	9.44	0.00
	Lee - LE3	8	91.33	3.55	5.12	0.00
	Liffey - LI1	15	98.58	0.06	1.36	0.00
	Liffey - LI2	15	98.64	0.00	1.36	0.00
	Liffey - LI4	4	89.12	9.93	0.95	0.00
	Liffey - LI5	4	99.91	0.09	0.00	0.00
	Lough Ree - LR4	91	72.30	9.01	18.69	0.00
	Marina - MRC	123	95.73	2.84	0.89	0.54
	Moneypoint - MP1	285	94.07	3.34	2.59	0.00
	Moneypoint - MP2	285	91.95	2.88	5.17	0.00
	Moneypoint - MP3	285	86.54	5.33	8.13	0.00
	North Wall - NW5	104	93.06	5.23	1.71	0.00
	Poolbeg - PBA	231	50.94	47.71	1.35	0.00
	Poolbeg - PBB	231	80.91	16.44	2.65	0.00
	Turlough Hill - TH1	73	70.80	21.52	7.68	0.00
	Turlough Hill - TH2	73	71.10	15.75	13.15	0.00
	Turlough Hill - TH3	73	70.99	21.50	7.51	0.00
	Turlough Hill - TH4	73	70.78	21.65	7.57	0.00
	West Offaly - WO4	137	82.12	14.03	3.85	0.00
Edenderry Power Ltd	Edenderry - ED1	118	86.79	2.93	10.28	0.00
	Edenderry - ED3	58	99.67	0.00	0.33	0.00
	Edenderry - ED5	58	99.48	0.39	0.13	0.00
SSE Generation Ireland	Great Island - GI4	461	93.12	2.27	3.44	1.17
	Rhode - RP1	52	96.23	2.56	1.21	0.00
	Rhode - RP2	52	97.07	1.80	1.13	0.00
	Tarbert - TB1	54	99.03	0.07	0.90	0.00
	Tarbert - TB2	54	97.53	1.03	1.44	0.00
	Tarbert - TB3	241	98.65	0.09	1.26	0.00
	Tarbert - TB4	243	99.48	0.22	0.30	0.00
	Tawnaghmore - TP1	52	99.08	0.92	0.00	0.00
	Tawnaghmore - TP3	52	99.81	0.19	0.00	0.00
Indaver	Indaver - IW1	16	82.52	8.67	8.81	0.00
Synergen	Dublin Bay - DB1	405	88.22	8.54	3.13	0.11
Tynagh Energy Ltd	Tynagh - TYC	384	95.19	0.67	1.12	3.02
Viridian	Huntstown - HN2	400	89.70	6.83	0.09	3.38
	Huntstown - HNC	342	93.41	0.33	2.24	4.02

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

Unit-by-Unit 365 Day Rolling Availability – April 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	34.34	52.78	12.88	0.00
	Activation Energy 2 – AE2	38.45	60.95	0.60	0.00
	Activation Energy 3 – AE3	66.71	28.40	4.89	0.00
	Activation Energy 4 – AE4	0.00	100.00	0.00	0.00
	Activation Energy 5 – AE5	55.80	7.97	36.23	0.00
DAE VPP	DAE VPP – DP1	71.40	0.00	28.60	0.00
	DAE VPP – DP2	46.82	0.00	53.18	0.00
Electricity Exchange Ltd	Electricity Exchange – EE1	53.02	14.75	32.23	0.00
	Electricity Exchange – EE2	71.96	12.61	15.43	0.00
	Electricity Exchange – EE3	41.60	27.97	30.43	0.00
	Electricity Exchange – EE4	55.85	17.00	27.15	0.00
	Electricity Exchange – EE5	49.36	24.33	26.31	0.00
Electric Ireland	Electric Ireland – EI1	85.16	2.40	12.44	0.00
Endeco	Endeco 1 – EC1	65.67	0.02	34.31	0.00
	Endeco 2 – EC2	57.20	0.25	42.55	0.00
Energy Trading Ireland	Energy Trading – ET1	75.45	24.55	0.00	0.00
Powerhouse	Powerhouse – PG1	78.98	21.02	0.00	0.00
Viridian	Viridian Energy – VE1	60.84	0.00	39.16	0.00
	Viridian Energy – VE2	41.77	6.31	51.92	0.00

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

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	84.58	9.17	5.39	0.86

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