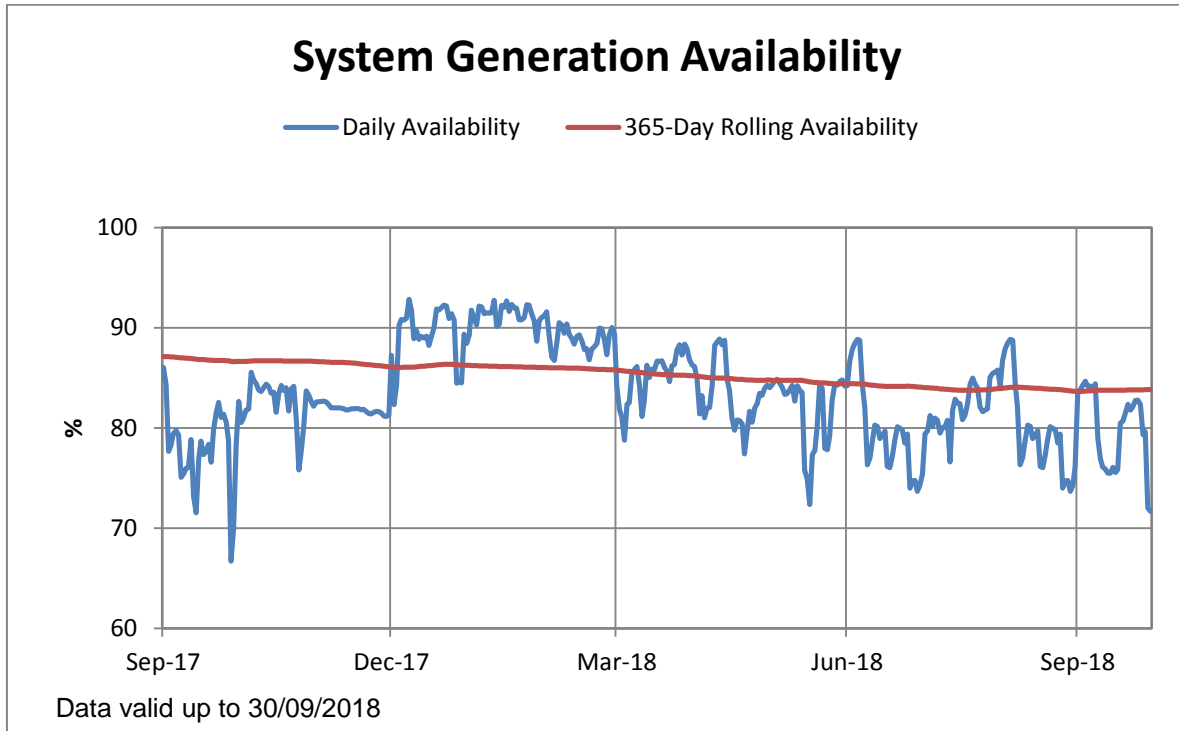


EirGrid Monthly Availability Report – September 2018

Availability report for September 2018¹.



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

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

Unit-by-Unit Average Monthly Availability – September 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.96	2.01	3.63	5.40
	Seal Rock - SK4	85	90.83	1.66	2.56	4.95
Bord Gáis	Whitegate - WG1	444	67.24	10.77	20.80	1.19
Dublin Waste to Energy	DWTE - DW1	61.5	82.40	12.19	5.41	0.00
ESB Energy Ireland	Aghada - AD1	258	97.78	1.25	0.97	0.00
	Aghada - AD2	431	96.46	0.27	2.12	1.15
	Aghada - AT1	90	98.51	0.42	1.06	0.01
	Aghada - AT2	90	98.27	0.04	1.68	0.01
	Aghada - AT4	90	94.11	0.00	5.88	0.01
	Ardnacrusha - AA1	21	55.63	0.43	43.94	0.00
	Ardnacrusha - AA2	22	68.56	4.91	26.53	0.00
	Ardnacrusha - AA3	19	68.77	3.37	27.86	0.00
	Ardnacrusha - AA4	24	49.75	21.18	29.07	0.00
	Erne - ER1	10	93.60	5.18	1.22	0.00
	Erne - ER2	10	91.50	4.77	3.73	0.00
	Erne - ER3	22	93.52	5.30	1.18	0.00
	Erne - ER4	22	98.60	0.27	1.13	0.00
	Lee - LE1	15	98.58	0.08	1.34	0.00
	Lee - LE2	4	73.54	26.09	0.37	0.00
	Lee - LE3	8	93.77	0.02	6.21	0.00
	Liffey - LI1	15	94.00	0.06	5.94	0.00
	Liffey - LI2	15	94.06	0.00	5.94	0.00
	Liffey - LI4	4	86.69	7.37	5.94	0.00
	Liffey - LI5	4	93.89	0.01	6.10	0.00
	Lough Ree - LR4	91	73.43	8.75	17.82	0.00
	Marina - MRC	123	92.80	6.29	0.34	0.57
	Moneypoint - MP1	285	80.90	2.05	17.05	0.00
	Moneypoint - MP2	285	93.78	5.58	0.64	0.00
	Moneypoint - MP3	285	50.02	3.41	46.57	0.00
	North Wall - NW5	104	92.63	7.02	0.29	0.06
	Poolbeg - PBA	231	66.34	25.20	8.46	0.00
	Poolbeg - PBB	231	83.60	11.38	5.02	0.00
	Turlough Hill - TH1	73	88.20	8.91	2.89	0.00
	Turlough Hill - TH2	73	88.53	4.44	7.03	0.00
	Turlough Hill - TH3	73	87.42	9.55	3.03	0.00
	Turlough Hill - TH4	73	84.36	13.37	2.27	0.00
West Offaly - WO4	137	69.30	10.47	20.23	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	87.34	2.74	9.92	0.00
	Edenderry - ED3	58	99.88	0.00	0.12	0.00
	Edenderry - ED5	58	99.49	0.39	0.12	0.00
SSE Generation Ireland	Great Island - GI4	461	96.08	1.33	1.50	1.09
	Rhode - RP1	52	97.21	2.79	0.00	0.00
	Rhode - RP2	52	97.94	2.06	0.00	0.00
	Tarbert - TB1	54	99.70	0.30	0.00	0.00
	Tarbert - TB2	54	99.16	0.84	0.00	0.00
	Tarbert - TB3	241	99.95	0.01	0.04	0.00
	Tarbert - TB4	243	94.65	1.63	3.72	0.00
	Tawnaghmore - TP1	52	98.69	0.09	1.22	0.00
Tawnaghmore - TP3	52	97.90	1.89	0.21	0.00	
Indaver	Indaver - IW1	16	85.62	9.87	4.51	0.00
Synergen	Dublin Bay - DB1	405	88.28	8.49	3.18	0.05
Tynagh Energy Ltd	Tynagh - TYC	384	93.96	0.19	2.42	3.43
Viridian	Huntstown - HN2	400	96.01	0.23	0.04	3.72
	Huntstown - HNC	342	93.12	0.09	2.93	3.86

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

Unit-by-Unit Average Monthly Availability – September 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	33.35	55.31	11.34	0
	Activation Energy 2 – AE2	49.27	50.32	0.41	0
	Activation Energy 3 – AE3	66.35	33.65	0	0
	Activation Energy 4 – AE4	0	100	0	0
	Activation Energy 5 – AE5	52.12	8.3	39.58	0
DAE VPP	DAE VPP – DP1	79.23	0	20.77	0
	DAE VPP – DP2	25.03	0	74.97	0
Electricity Exchange Ltd	Electricity Exchange – EE1	62.33	0	37.67	0
	Electricity Exchange – EE2	45.36	0	54.64	0
	Electricity Exchange – EE3	36.66	0	63.34	0
	Electricity Exchange – EE4	72.97	0	27.03	0
	Electricity Exchange – EE5	47.54	0	52.46	0
Electric Ireland	Electric Ireland – EI1	92.73	0	7.27	0
Endeco	Endeco 1 – EC1	59.27	0	40.73	0
	Endeco 2 – EC2	54.02	0	45.98	0
	Endeco 5 – EC5	52.13	0.18	47.69	0
Energy Trading Ireland	Energy Trading – ET1	66.47	33.53	0	0
Powerhouse	Powerhouse – PG1	80.33	19.67	0	0
Viridian	Viridian Energy – VE1	61.16	0	38.84	0
	Viridian Energy – VE2	42.48	0	57.52	0

Table 3: System Total Average Monthly Availability – September 2018

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	80.23	4.42	14.95	0.40

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

Unit-by-Unit 365 Day Rolling Availability – September 2018						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.96	2.01	3.63	5.40
	Seal Rock - SK4	85	90.83	1.66	2.56	4.95
Bord Gáis	Whitegate - WG1	444	67.24	10.77	20.80	1.19
Dublin Waste to Energy	DWTE - DW1	61.5	82.40	12.19	5.41	0.00
ESB Energy Ireland	Aghada - AD1	258	97.78	1.25	0.97	0.00
	Aghada - AD2	431	96.46	0.27	2.12	1.15
	Aghada - AT1	90	98.51	0.42	1.06	0.01
	Aghada - AT2	90	98.27	0.04	1.68	0.01
	Aghada - AT4	90	94.11	0.00	5.88	0.01
	Ardnacrusha - AA1	21	55.63	0.43	43.94	0.00
	Ardnacrusha - AA2	22	68.56	4.91	26.53	0.00
	Ardnacrusha - AA3	19	68.77	3.37	27.86	0.00
	Ardnacrusha - AA4	24	49.75	21.18	29.07	0.00
	Erne - ER1	10	93.60	5.18	1.22	0.00
	Erne - ER2	10	91.50	4.77	3.73	0.00
	Erne - ER3	22	93.52	5.30	1.18	0.00
	Erne - ER4	22	98.60	0.27	1.13	0.00
	Lee - LE1	15	98.58	0.08	1.34	0.00
	Lee - LE2	4	73.54	26.09	0.37	0.00
	Lee - LE3	8	93.77	0.02	6.21	0.00
	Liffey - LI1	15	94.00	0.06	5.94	0.00
	Liffey - LI2	15	94.06	0.00	5.94	0.00
	Liffey - LI4	4	86.69	7.37	5.94	0.00
	Liffey - LI5	4	93.89	0.01	6.10	0.00
	Lough Ree - LR4	91	73.43	8.75	17.82	0.00
	Marina - MRC	123	92.80	6.29	0.34	0.57
	Moneypoint - MP1	285	80.90	2.05	17.05	0.00
	Moneypoint - MP2	285	93.78	5.58	0.64	0.00
	Moneypoint - MP3	285	50.02	3.41	46.57	0.00
	North Wall - NW5	104	92.63	7.02	0.29	0.06
	Poolbeg - PBA	231	66.34	25.20	8.46	0.00
	Poolbeg - PBB	231	83.60	11.38	5.02	0.00
	Turlough Hill - TH1	73	88.20	8.91	2.89	0.00
	Turlough Hill - TH2	73	88.53	4.44	7.03	0.00
	Turlough Hill - TH3	73	87.42	9.55	3.03	0.00
	Turlough Hill - TH4	73	84.36	13.37	2.27	0.00
	West Offaly - WO4	137	69.30	10.47	20.23	0.00
Edenderry Power Ltd	Edenderry - ED1	118	87.34	2.74	9.92	0.00
	Edenderry - ED3	58	99.88	0.00	0.12	0.00
	Edenderry - ED5	58	99.49	0.39	0.12	0.00
SSE Generation Ireland	Great Island - GI4	461	96.08	1.33	1.50	1.09
	Rhode - RP1	52	97.21	2.79	0.00	0.00
	Rhode - RP2	52	97.94	2.06	0.00	0.00
	Tarbert - TB1	54	99.70	0.30	0.00	0.00
	Tarbert - TB2	54	99.16	0.84	0.00	0.00
	Tarbert - TB3	241	99.95	0.01	0.04	0.00
	Tarbert - TB4	243	94.65	1.63	3.72	0.00
	Tawnaghmore - TP1	52	98.69	0.09	1.22	0.00
Tawnaghmore - TP3	52	97.90	1.89	0.21	0.00	
Indaver	Indaver - IW1	16	85.62	9.87	4.51	0.00
Synergen	Dublin Bay - DB1	405	88.28	8.49	3.18	0.05
Tynagh Energy Ltd	Tynagh - TYC	384	93.96	0.19	2.42	3.43
Viridian	Huntstown - HN2	400	96.01	0.23	0.04	3.72
	Huntstown - HNC	342	93.12	0.09	2.93	3.86

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

Unit-by-Unit 365 Day Rolling Availability – September 2018					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	32.1	55.9	12	0
	Activation Energy 2 – AE2	36	62.73	1.27	0
	Activation Energy 3 – AE3	61.41	33.15	5.44	0
	Activation Energy 4 – AE4	0	100	0	0
	Activation Energy 5 – AE5	55.33	8.61	36.06	0
DAE VPP	DAE VPP – DP1	78.76	0	21.24	0
	DAE VPP – DP2	33.39	0	66.61	0
Electricity Exchange Ltd	Electricity Exchange – EE1	56.28	6.67	37.05	0
	Electricity Exchange – EE2	62.21	6.64	31.15	0
	Electricity Exchange – EE3	39.86	14.91	45.23	0
	Electricity Exchange – EE4	60.95	9.06	29.99	0
	Electricity Exchange – EE5	51.39	11.71	36.9	0
Electric Ireland	Electric Ireland – EI1	78.15	0.22	21.63	0
Endeco	Endeco 1 – EC1	58.39	0.02	41.59	0
	Endeco 2 – EC2	42.07	0.19	57.74	0
	Endeco 5 – EC5	41.81	24.65	33.54	0
Energy Trading Ireland	Energy Trading – ET1	72.74	27.26	0	0
Powerhouse	Powerhouse – PG1	75.68	24.32	0	0
Viridian	Viridian Energy – VE1	56.87	0	43.13	0
	Viridian Energy – VE2	48.3	0.02	51.68	0

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

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	85.3	8.49	5.33	0.87