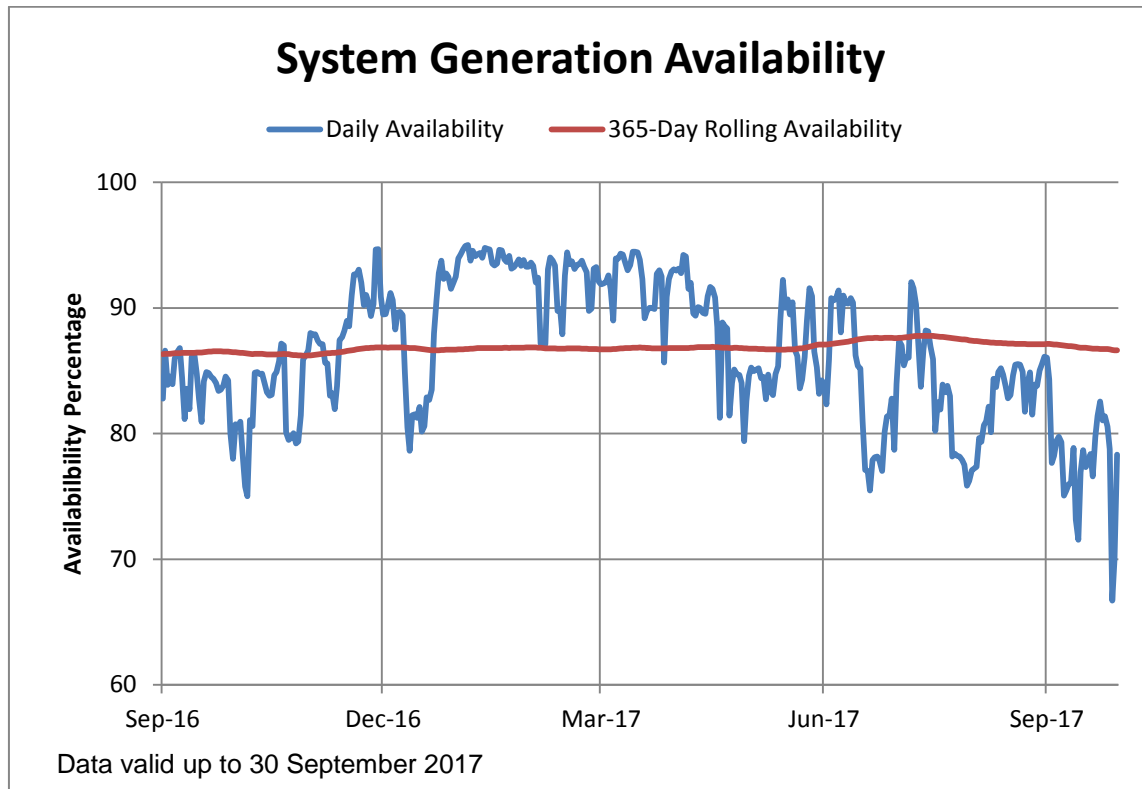


EirGrid Monthly Availability Report – September 2017

Availability report for September 2017¹.



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 2017

Unit-by-Unit Average Monthly Availability – September 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	6.96	0	92.43	0.61
	Seal Rock - SK4	85	93.78	0	0	6.22
Bord Gáis	Whitegate - WG1	444	89.89	7.34	0	2.77
ESB Energy Ireland	Aghada - AD1	258	99.19	0	0.81	0
	Aghada - AD2	431	89.63	5.62	4.06	0.69
	Aghada - AT1	90	92.63	0	7.37	0
	Aghada - AT2	90	94.98	5.02	0	0
	Aghada - AT4	90	96.47	3.53	0	0
	Ardnacrusha - AA1	21	68.35	12.48	19.17	0
	Ardnacrusha - AA2	22	92.02	7.25	0.73	0
	Ardnacrusha - AA3	19	37.57	0.09	62.34	0
	Ardnacrusha - AA4	24	0	100	0	0
	Erne - ER1	10	84.65	0.22	15.13	0
	Erne - ER2	10	82.75	0	17.25	0
	Erne - ER3	22	82.7	17.3	0	0
	Erne - ER4	22	99.97	0.03	0	0
	Lee - LE1	15	100	0	0	0
	Lee - LE2	4	100	0	0	0
	Lee - LE3	8	100	0	0	0
	Liffey - LI1	15	83.5	0	16.5	0
	Liffey - LI2	15	83.5	0	16.5	0
	Liffey - LI4	4	68.94	31.06	0	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree - LR4	91	18.7	23.52	57.78	0
	Marina - MRC	123	98.95	1.05	0	0
	Moneypoint - MP1	285	99.87	0.13	0	0
	Moneypoint - MP2	285	89.86	0	10.14	0
	Moneypoint - MP3	285	56.77	0.87	42.36	0
	North Wall - NW5	104	63.52	36.38	0.1	0
	Poolbeg - PBA	231	0	100	0	0
	Poolbeg - PBB	231	58.52	40.38	1.1	0
	Turlough Hill - TH1	73	0	100	0	0
	Turlough Hill - TH2	73	0	100	0	0
	Turlough Hill - TH3	73	0	100	0	0
	Turlough Hill - TH4	73	0	100	0	0
West Offaly - WO4	137	97.3	2.7	0	0	
Edenderry Power Ltd	Edenderry - ED1	118	98.03	1.97	0	0
	Edenderry - ED3	58	100	0	0	0
	Edenderry - ED5	58	100	0	0	0
SSE Generation Ireland	Great Island - GI4	461	98.37	0	0	1.63
	Rhode - RP1	52	100	0	0	0
	Rhode - RP2	52	100	0	0	0
	Tarbert - TB1	54	100	0	0	0
	Tarbert - TB2	54	100	0	0	0
	Tarbert - TB3	241	100	0	0	0
	Tarbert - TB4	243	99.39	0.61	0	0
	Tawnaghmore - TP1	52	89.1	10.9	0	0
Tawnaghmore - TP3	52	97.88	2.12	0	0	
Indaver	Indaver - IW1	16	95.65	4.35	0	0
Synergen	Dublin Bay - DB1	405	99.11	0.6	0	0.29
Tynagh Energy Ltd	Tynagh - TYC	384	90.26	6.25	0	3.49
Viridian	Huntstown - HN2	400	94.6	0	0	5.4
	Huntstown - HNC	342	67.82	2.9	26.11	3.17

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

Unit-by-Unit Average Monthly Availability – September 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	39.58	47.57	12.85	0
	Activation Energy 2 – AE2	46.79	52.46	0.75	0
	Activation Energy 3 – AE3	71.43	28.57	0	0
	Activation Energy 4 – AE4	0	100	0	0
	Activation Energy 5 – AE5	52.79	6.9	40.31	0
DAE VPP	DAE VPP – DP1	88.43	0	11.57	0
	DAE VPP – DP2	70.42	0	29.58	0
Electricity Exchange Ltd	Electricity Exchange – EE1	55.61	21.44	22.95	0
	Electricity Exchange – EE2	78.24	13.13	8.63	0
	Electricity Exchange – EE3	38.95	44.36	16.69	0
	Electricity Exchange – EE4	38.72	9.7	51.58	0
	Electricity Exchange – EE5	39.24	30.77	29.99	0
Electric Ireland	Electric Ireland – EI1	83.2	5.84	10.96	0
Endeco	Endeco 1 – EC1	71.07	0	28.93	0
	Endeco 2 – EC2	72.22	0.77	27.01	0
Energy Trading Ireland	Energy Trading – ET1	81.69	18.31	0	0
Powerhouse	Powerhouse – PG1	85.22	14.78	0	0
Viridian	Viridian Energy – VE2	67.17	0	32.83	0
	Viridian Energy – VE1	8.94	75.41	15.65	0

Table 3: System Total Average Monthly Availability – September 2017

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	77.90	14.51	6.57	1.02

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

Unit-by-Unit 365 Day Rolling Availability – September 2017						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	83.69	0.98	9.95	5.38
	Seal Rock - SK4	85	91.96	1.51	2.09	4.44
Bord Gáis	Whitegate - WG1	444	95.24	0.79	2.42	1.55
ESB Energy Ireland	Aghada - AD1	258	94.88	5.04	0.07	0.01
	Aghada - AD2	431	92.41	1.58	5.69	0.32
	Aghada - AT1	90	98.36	0.91	0.73	0
	Aghada - AT2	90	98.15	0.73	1.12	0
	Aghada - AT4	90	95.87	0.56	3.57	0
	Ardnacrusha - AA1	21	71.17	2.96	25.87	0
	Ardnacrusha - AA2	22	73.73	2.78	23.49	0
	Ardnacrusha - AA3	19	67.37	3.29	29.34	0
	Ardnacrusha - AA4	24	49.82	35.98	14.2	0
	Erne - ER1	10	98.56	0.2	1.24	0
	Erne - ER2	10	97.48	1.1	1.42	0
	Erne - ER3	22	97.24	1.48	1.28	0
	Erne - ER4	22	97.88	0.72	1.4	0
	Lee - LE1	15	50.72	2.5	46.78	0
	Lee - LE2	4	32.56	0.29	67.15	0
	Lee - LE3	8	90.71	3.88	5.41	0
	Liffey - LI1	15	97.86	0.27	1.87	0
	Liffey - LI2	15	97.86	0.27	1.87	0
	Liffey - LI4	4	39.04	2.55	58.41	0
	Liffey - LI5	4	94.66	5.29	0.05	0
	Lough Ree - LR4	91	83.95	9.37	6.68	0
	Marina - MRC	123	95.86	2.81	0.89	0.44
	Moneypoint - MP1	285	92.58	4.83	2.59	0
	Moneypoint - MP2	285	88.69	6.78	4.53	0
	Moneypoint - MP3	285	88.72	7.66	3.62	0
	North Wall - NW5	104	95.37	3.09	1.54	0
	Poolbeg - PBA	231	75.22	22.79	1.99	0
	Poolbeg - PBB	231	93.26	5.77	0.97	0
	Turlough Hill - TH1	73	77.35	15.03	7.62	0
	Turlough Hill - TH2	73	72.9	20.05	7.05	0
Turlough Hill - TH3	73	78.43	14.65	6.92	0	
Turlough Hill - TH4	73	77.69	15.15	7.16	0	
West Offaly - WO4	137	86.39	9.76	3.85	0	
Edenderry Power Ltd	Edenderry - ED1	118	85.54	3.77	10.69	0
	Edenderry - ED3	58	99.12	0.55	0.33	0
	Edenderry - ED5	58	99.32	0.55	0.13	0
SSE Generation Ireland	Great Island - GI4	461	87.13	4.5	7.22	1.15
	Rhode - RP1	52	98	0.79	1.21	0
	Rhode - RP2	52	97.71	1.16	1.13	0
	Tarbert - TB1	54	97.74	1.13	1.13	0
	Tarbert - TB2	54	97.31	1.17	1.52	0
	Tarbert - TB3	241	98.54	0.14	1.32	0
	Tarbert - TB4	243	99.45	0.19	0.36	0
	Tawnaghmore - TP1	52	82.21	2.64	15.15	0
Tawnaghmore - TP3	52	83.06	0.19	16.75	0	
Indaver	Indaver - IW1	16	92	3.26	4.74	0
Synergen	Dublin Bay - DB1	405	87.28	1.71	10.9	0.11
Tynagh Energy Ltd	Tynagh - TYC	384	95.02	1.28	1.12	2.58
Viridian	Huntstown - HN2	400	89.79	6.98	0.08	3.15
	Huntstown - HNC	342	92.3	1.16	3.02	3.52

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

Unit-by-Unit 365 Day Rolling Availability – September 2017					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	36.95	49.11	13.94	0
	Activation Energy 2 – AE2	59.82	39.96	0.22	0
	Activation Energy 3 – AE3	71.58	27.91	0.51	0
	Activation Energy 4 – AE4	3.33	96.43	0.24	0
	Activation Energy 5 – AE5	45.86	28.63	25.51	0
DAE VPP	DAE VPP – DP1	62.2	0.02	37.78	0
	DAE VPP – DP2	28.49	0	71.51	0
Electricity Exchange Ltd	Electricity Exchange – EE1	54.26	19.47	26.27	0
	Electricity Exchange – EE2	73.64	11.71	14.65	0
	Electricity Exchange – EE3	38.95	44.36	16.69	0
	Electricity Exchange – EE4	38.72	9.7	51.58	0
	Electricity Exchange – EE5	39.24	30.77	29.99	0
Electric Ireland	Electric Ireland – EI1	83.61	3.62	12.77	0
Endeco	Endeco 1 – EC1	68.88	0.05	31.07	0
	Endeco 2 – EC2	56.92	14.56	28.52	0
Energy Trading Ireland	Energy Trading – ET1	81.5	18.5	0	0
Powerhouse	Powerhouse – PG1	80.79	19.21	0	0
Viridian	Viridian Energy – VE2	61.93	0.04	38.03	0
	Viridian Energy – VE1	8.94	75.41	15.65	0

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

	Yearly Availability %	Yearly Forced %	Yearly Scheduled %	Yearly Ambient %
System Total Average Availability	86.62	7.73	4.87	0.78