

EirGrid Monthly Availability Report – September 2016

This report for September 2016, details the availability performance of the centrally dispatched units on the power system¹.

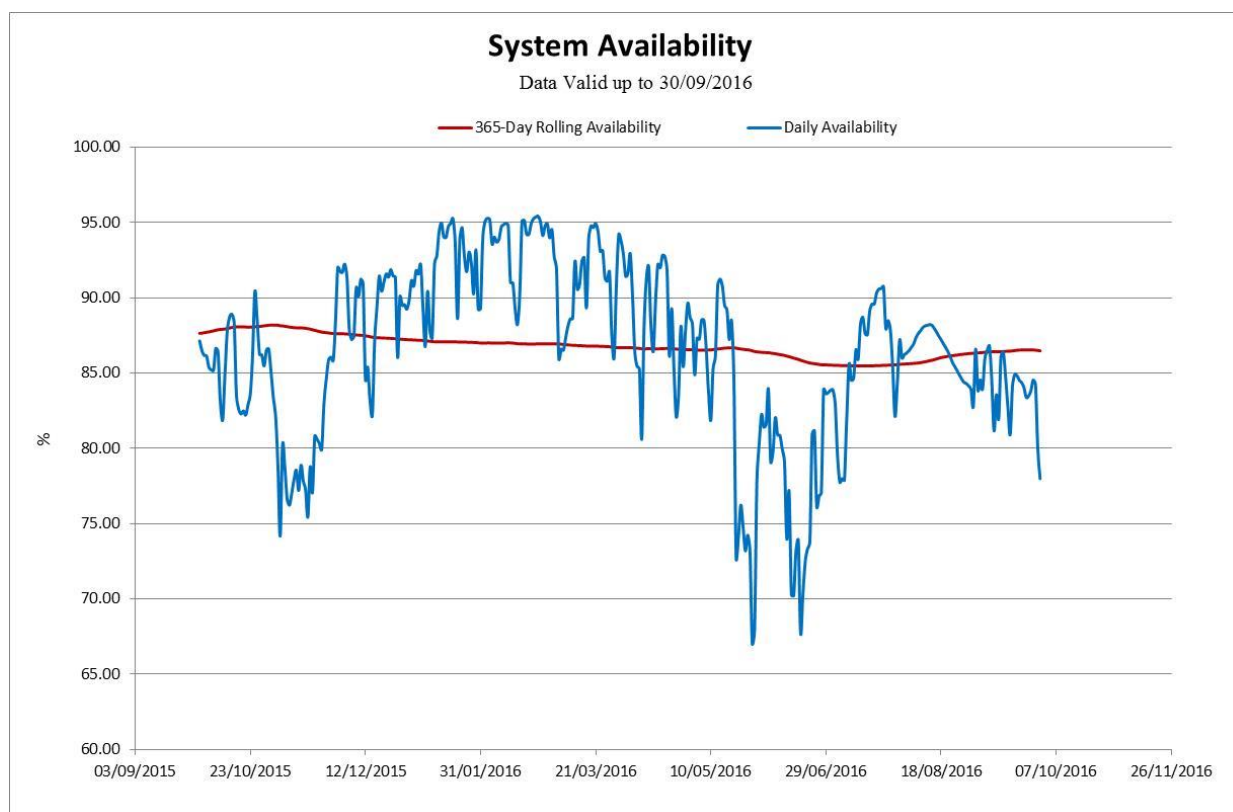


Figure 1: System Availability Graph

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

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¹ Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – September 2016

Unit-by-Unit Average Monthly Availability – September 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	91.8	0	0	8.2
	Seal Rock - SK4	85	91.43	0	0	8.57
Bord Gáis	Whitegate – WG1	444	98.09	0	0	1.91
Edenderry Power Ltd	Edenderry – ED1	118	100	0	0	0
	Edenderry – ED3	58	99.94	0.06	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island – GI4	461	89.51	2.2	5.59	2.7
	Rhode – RP1	52	99.78	0	0.22	0
	Rhode – RP2	52	99.75	0.03	0.22	0
	Tarbert – TB1	54	96.69	3.31	0	0
	Tarbert – TB2	54	96.01	3.99	0	0
	Tarbert – TB3	241	100	0	0	0
	Tarbert – TB4	243	98.99	1.01	0	0
	Tawnaghmore - TP1	52	0	0	100	0
Tawnaghmore - TP3	52	0	0	100	0	
ESB Energy Ireland	Aghada - AD1	258	100	0	0	0
	Aghada - AD2	431	98.94	0	0	1.06
	Aghada - AT1	90	100	0	0	0
	Aghada - AT2	90	100	0	0	0
	Aghada - AT4	90	99.87	0.13	0	0
	Ardnacrusha - AA1	21	84.26	3.71	12.03	0
	Ardnacrusha - AA2	22	87.97	0	12.03	0
	Ardnacrusha - AA3	19	80.94	7.03	12.03	0
	Ardnacrusha - AA4	24	0	0	100	0
	Erne - ER1	10	94.62	0.31	5.07	0
	Erne - ER2	10	74.02	20.91	5.07	0
	Erne - ER3	22	99.87	0	0.13	0
	Erne - ER4	22	99.86	0	0.14	0
	Lee - LE1	15	0	0	100	0
	Lee - LE2	4	0	0	100	0
	Lee - LE3	8	100	0	0	0
	Liffey - LI1	15	100	0	0	0
	Liffey - LI2	15	94.42	5.58	0	0
	Liffey - LI4	4	0	0	100	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	93.26	6.74	0	0
	Marina - MRC	123	98.85	0.1	1.04	0.01
	Moneypoint - MP1	285	67.05	32.95	0	0
	Moneypoint - MP2	285	96.22	3.78	0	0
	Moneypoint - MP3	285	95.8	4.2	0	0
	North Wall – NW5	104	94.2	5.8	0	0
	Poolbeg – PBA	231	99.91	0	0	0.09
Poolbeg - PBB	231	95.51	4.41	0	0.08	
Turlough Hill - TH1	73	98.79	0	1.21	0	
Turlough Hill - TH2	73	99.6	0	0.4	0	
Turlough Hill - TH3	73	99.86	0	0.14	0	
Turlough Hill - TH4	73	99.96	0	0.04	0	
West Offaly Power - WO4	137	95.11	4.89	0	0	
Indaver	Indaver – IW1	16	83.28	16.72	0	0
Synergen	Dublin Bay - DB1	405	27.32	0	71.64	1.04
Tynagh Energy Ltd	Tynagh – TYC	384	95.67	0	0	4.33
Viridian Power & Energy	Huntstown - HN2	400	58.37	2.56	35.86	3.21
	Huntstown - HNC	342	93.55	0	0	6.45
System Total Average Availability			86.97	2.62	9.02	1.39

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – September 2016

Unit-by-Unit Average Monthly Availability – September 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	101	44.41	27.77	27.82	0
	Activation Energy 2 – AE2	11	82.72	17.25	0.03	0
	Activation Energy 3 – AE3	14	85.7	0.08	14.22	0
	Activation Energy 4 – AE4	11	91.67	0	8.33	0
	Activation Energy 5 – AE5	15	25.99	59.39	14.62	0
DAE VPP	DAE VPP – DP1	39	59.53	0.19	40.28	0
	DAE VPP – DP2	10	25.12	0	74.88	0
Endeco	Endeco 1 – EC1	34	77.15	0	22.85	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	20	55.2	34.06	10.74	0
	Electricity Exchange – EE2	18	69.28	23.94	6.78	0
Electric Ireland	Electric Ireland – EI1	20	87.18	2.43	10.39	0
Energy Trading Ireland	Energy Trading – ET1	11	77.65	22.35	0	0
Powerhouse	Powerhouse – PG1	7	86.42	13.58	0	0
Viridian Power & Energy	Viridian Energy – VE1	7	61.71	0	38.29	0
System Total Average Availability			60.30	16.97	22.73	0.00

Table 3: System Total Average Monthly Availability – September 2016

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	83.91	5.31	9.47	1.31

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – September 2015 to September 2016

Unit-by-Unit 365 Day Rolling Availability – September 2015 to September 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	90.15	1.57	1.83	6.45
	Seal Rock - SK4	85	84.54	1.17	9.07	5.22
Bord Gáis	Whitegate – WG1	444	90.72	1.53	6.82	0.93
Edenderry Power Ltd	Edenderry – ED1	118	88.17	8.58	3.25	0
	Edenderry – ED3	58	99.73	0.16	0.11	0
	Edenderry – ED5	58	99.71	0.18	0.11	0
SSE Generation Ireland	Great Island – GI4	461	81.49	11.14	6.13	1.24
	Rhode – RP1	52	97.15	2.83	0.02	0
	Rhode – RP2	52	99.63	0.35	0.02	0
	Tarbert – TB1	54	88.18	0.29	11.53	0
	Tarbert – TB2	54	93.87	0.59	5.54	0
	Tarbert – TB3	241	98.64	0.98	0.38	0
	Tarbert – TB4	243	94.16	5.68	0.16	0
	Tawnaghmore - TP1 Tawnaghmore - TP3	52 52	82.51 76.39	1.17 0.44	16.32 23.17	0 0
ESB Energy Ireland	Aghada - AD1	258	93.83	5.4	0.77	0
	Aghada - AD2	431	95.67	0.35	3.4	0.58
	Aghada - AT1	90	98.36	0.36	1.28	0
	Aghada - AT2	90	98.77	0.01	1.2	0.02
	Aghada - AT4	90	99.04	0.74	0.2	0.02
	Ardnacrusha - AA1	21	76.6	1.23	22.17	0
	Ardnacrusha - AA2	22	77.95	0.2	21.85	0
	Ardnacrusha - AA3	19	77.37	1.05	21.58	0
	Ardnacrusha - AA4	24	64.22	3.71	32.07	0
	Erne - ER1	10	50.67	0.79	48.54	0
	Erne - ER2	10	91.27	6.64	2.09	0
	Erne - ER3	22	92.81	0.71	6.48	0
	Erne - ER4	22	96.62	1.48	1.9	0
	Lee - LE1	15	48.59	1.93	49.48	0
	Lee - LE2	4	50.46	0	49.54	0
	Lee - LE3	8	94.74	0.12	5.14	0
	Liffey - LI1	15	56.08	1.72	42.2	0
	Liffey - LI2	15	60.24	5.71	34.05	0
	Liffey - LI4	4	26.2	0.6	73.2	0
	Liffey - LI5	4	97.34	0.34	2.32	0
	Lough Ree Power - LR4	91	91.19	4.83	3.98	0
	Marina - MRC	123	97.83	0.5	0.72	0.95
	Moneypoint - MP1	285	81.08	18.28	0.64	0
	Moneypoint - MP2	285	87.24	10.82	1.94	0
	Moneypoint - MP3	285	86.91	10.19	2.9	0
	North Wall – NW5	104	94.44	1.87	3.21	0.48
	Poolbeg – PBA*	231	95.36	0.94	3.68	0.02
	Poolbeg – PBB*	231	79.27	9.12	11.59	0.02
	Turlough Hill - TH1	73	95.42	0	4.58	0
	Turlough Hill - TH2	73	94.34	1.18	4.48	0
Turlough Hill - TH3	73	96.01	0.39	3.6	0	
Turlough Hill - TH4	73	96.32	0.16	3.52	0	
West Offaly Power - WO4	137	85.95	4.84	9.21	0	
Indaver	Indaver – IW1	16	86.07	13.93	0	0
Synergen	Dublin Bay - DB1	405	91.55	0.5	6.77	1.18
Tynagh Energy Ltd	Tynagh – TYC	384	94.56	1.18	1.62	2.64
Viridian Power & Energy	Huntstown - HN2	400	86.76	0.98	8.93	3.33
	Huntstown - HNC	342	86.99	0.52	8.77	3.72
System Total Average Availability			89.89	3.99	5.18	0.94

*PBA and PBB effective in the SEM since 24th May 2016

Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – September 2015 to September 2016

Unit-by-Unit 365 Day Rolling Availability – September 2015 to September 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	101	46.64	38.96	14.4	0
	Activation Energy 2 – AE2	11	69.33	30.35	0.32	0
	Activation Energy 3 – AE3	14	87.26	5.54	7.2	0
	Activation Energy 4 – AE4*	11	88.56	8.16	3.28	0
	Activation Energy 5 – AE5*	15	13.65	78.44	7.91	0
DAE VPP	DAE VPP – DP1	39	41.37	45.29	13.34	0
	DAE VPP – DP2	10	4.64	0	95.36	0
Endeco	Endeco 1 – EC1	34	69.78	0.02	30.2	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	20	63.78	26.9	9.32	0
	Electricity Exchange – EE2	18	18.09	14.48	67.43	0
Electric Ireland	Electric Ireland – EI1	20	79.36	6.95	13.69	0
Energy Trading Ireland	Energy Trading – ET1	11	80.77	19.23	0	0
Powerhouse	Powerhouse – PG1	7	81.22	18.78	0	0
Viridian Power & Energy	Viridian Energy – VE1	7	49.5	0	50.5	0
System Total Average Availability			53.14	27.23	19.63	0.00

*Figures are reflective since AE4 and AE5 became effective in the SEM on 10/05/16 and 12/04/16 respectively

Table 6: 365 Day Rolling System Total Average Availability – September 2015 to September 2016

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
System Total Average Availability	86.65	6.97	5.54	0.93