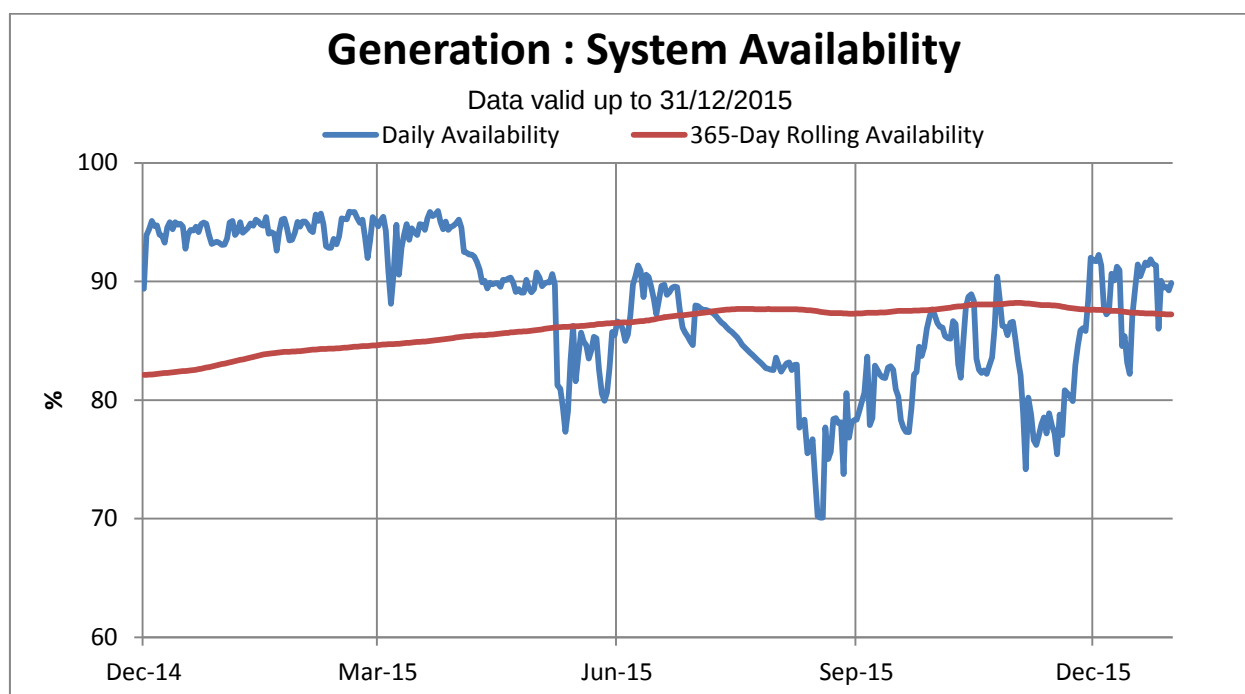


EirGrid Monthly Availability Report – December 2015

This report for December 2015, details the availability performance of the conventional generation units on the power system¹.

Key Points:

- The monthly forced outage rate decreased from 14.5 % in November to 6.6% in December.
- The monthly system availability increased from 85.6 % in November to 89.3% in December.
- The main scheduled outages in December were for the Liffey hydro units.
- The main forced outages in December were for AA4, TB4 and AD1.
- The 365-day rolling availability decreased slightly in December 2015.



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)

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

Table 1: Unit-by-Unit Average Monthly Availability – December 2015

Unit-by-Unit Average Monthly Availability – December 2015						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	93.07	0.39	0	6.54
	Seal Rock - SK4	85	89.86	4.76	0	5.38
Bord Gáis	Whitegate – WG1	444	99.32	0.2	0	0.48
Edenderry Power Ltd	Edenderry – ED1	118	82.39	0	17.61	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island – GI4	461	97.33	2.16	0	0.51
	Rhode – RP1	52	98.05	1.95	0	0
	Rhode – RP2	52	96.01	3.99	0	0
	Tarbert – TB1	54	100	0	0	0
	Tarbert – TB2	54	100	0	0	0
	Tarbert – TB3	241	94.83	2.65	2.52	0
	Tarbert – TB4	243	90.89	9.11	0	0
	Tawnaghmore - TP1	52	96.34	3.66	0	0
	Tawnaghmore - TP3	52	100	0	0	0
ESBGWM Ireland	Aghada - AD1	258	90.33	9.67	0	0
	Aghada - AD2	431	99.9	0	0	0.1
	Aghada - AT1	90	100	0	0	0
	Aghada - AT2	90	100	0	0	0
	Aghada - AT4	90	99.96	0.04	0	0
	Ardnacrusha - AA1	21	96.97	3.03	0	0
	Ardnacrusha - AA2	22	99.7	0.24	0.06	0
	Ardnacrusha - AA3	19	100	0	0	0
	Ardnacrusha - AA4	24	82.93	13.14	3.93	0
	Erne - ER1	10	0	0	100	0
	Erne - ER2	10	98.64	0.26	1.1	0
	Erne - ER3	22	95.34	4.66	0	0
	Erne - ER4	22	95.97	4.03	0	0
	Lee - LE1	15	99.83	0	0.17	0
	Lee - LE2	4	100	0	0	0
	Lee - LE3	8	98.01	0.99	1	0
	Liffey - LI1	15	35.09	0	64.91	0
	Liffey - LI2	15	57.23	0	42.77	0
	Liffey - LI4	4	50.33	0.03	49.64	0
	Liffey - LI5	4	99.43	0.34	0.23	0
	Lough Ree Power - LR4	91	98.32	1.68	0	0
	Marina - MRC	123	98.95	0	0	1.05
	Moneypoint - MP1	285	93.46	6.54	0	0
	Moneypoint - MP2	285	98.84	1.16	0	0
	Moneypoint - MP3	285	96.18	3.82	0	0
	North Wall – NW5	104	98.15	1.85	0	0
	Poolbeg - PB4	154	99.27	0	0	0.73
	Poolbeg - PB5	154	100	0	0	0
	Poolbeg - PB6	182	97.52	0	0	2.48
	Turlough Hill - TH1	73	98.4	0	1.6	0
	Turlough Hill - TH2	73	98.89	0	1.11	0
	Turlough Hill - TH3	73	98.72	0	1.28	0
	Turlough Hill - TH4	73	98.32	0.46	1.22	0
	West Offaly Power - WO4	137	99.28	0.72	0	0
Indaver	Indaver – IW1	16	96.59	3.41	0	0
Synergen	Dublin Bay - DB1	405	85.49	3.53	10.3	0.68
Tynagh Energy Ltd	Tynagh – TYC	384	96.62	0	1.4	1.98
Viridian Power & Energy	Huntstown - HN2	400	96.61	0	0	3.39
	Huntstown - HNC	342	95.66	0	0	4.34
System Total Average Availability			89.33	6.66	3.2	0.81

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 2: Unit-by-Unit 365 Day Rolling Availability – December 2014 to December 2015

Unit-by-Unit 365 Day Rolling Availability – December 2014 to December 2015						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.49	3.24	0.77	6.5
	Seal Rock - SK4	85	90.37	0.95	2.88	5.8
Bord Gáis	Whitegate – WG1	444	96.5	0.84	1.95	0.71
Edenderry Power Ltd	Edenderry – ED1	118	82.62	14.45	2.93	0
	Edenderry – ED3	58	99.36	0	0.64	0
	Edenderry – ED5	58	99.01	0.11	0.88	0
SSE Generation Ireland	Great Island – GI4	461	82.98	12.56	3.95	0.51
	Rhode – RP1	52	95.52	0.73	3.75	0
	Rhode – RP2	52	95.91	0.34	3.75	0
	Tarbert – TB1	54	59.4	0	40.6	0
	Tarbert – TB2	54	64.85	0.26	34.89	0
	Tarbert – TB3	241	94.12	0.37	5.51	0
	Tarbert – TB4	243	98.47	1.43	0.1	0
	Tawnaghmore - TP1	52	97.67	0.44	1.89	0
	Tawnaghmore - TP3	52	99.74	0.18	0.08	0
ESB Energy Ireland	Aghada - AD1	258	94.6	5.4	0	0
	Aghada - AD2	431	97.86	0.19	1.3	0.65
	Aghada - AT1	90	94.27	2.66	3.04	0.03
	Aghada - AT2	90	96.07	0.65	3.03	0.25
	Aghada - AT4	90	95.47	0.94	3.52	0.07
	Ardnacrusha - AA1	21	71.79	5.89	22.32	0
	Ardnacrusha - AA2	22	69.8	0.97	29.23	0
	Ardnacrusha - AA3	19	68.83	10.44	20.73	0
	Ardnacrusha - AA4	24	75.53	1.99	22.48	0
	Erne - ER1	10	1.63	0.41	97.96	0
	Erne - ER2	10	91.58	4.86	3.56	0
	Erne - ER3	22	97.76	0.66	1.58	0
	Erne - ER4	22	87.56	0.81	11.63	0
	Lee - LE1	15	86.82	0.35	12.83	0
	Lee - LE2	4	92.64	0.57	6.79	0
	Lee - LE3	8	91.82	0.22	7.96	0
	Liffey - LI1	15	40.79	0.2	59.01	0
	Liffey - LI2	15	42.9	0	57.1	0
	Liffey - LI4	4	42.27	0.05	57.68	0
	Liffey - LI5	4	94.4	4.39	1.21	0
	Lough Ree Power - LR4	91	94.94	1.5	3.56	0
	Marina - MRC	123	86.06	2.04	11.54	0.36
	Moneypoint - MP1	285	92.14	7.3	0.56	0
	Moneypoint - MP2	285	70.69	6.58	22.73	0
	Moneypoint - MP3	285	88.21	7.82	3.97	0
	North Wall – NW5	104	92.69	4.9	1.83	0.58
	Poolbeg - PB4	154	97.03	0.01	1.21	1.75
	Poolbeg - PB5	154	98.52	0.08	1	0.4
	Poolbeg - PB6	182	93.57	0.8	3.67	1.96
	Turlough Hill - TH1	73	96.16	0.59	3.25	0
	Turlough Hill - TH2	73	96.18	0.48	3.34	0
	Turlough Hill - TH3	73	96.21	1.34	2.45	0
	Turlough Hill - TH4	73	96.65	1.02	2.33	0
	West Offaly Power - WO4	137	85.76	3.44	10.8	0
Indaver	Indaver – IW1	16	91.36	8.64	0	0
Synergen	Dublin Bay - DB1	405	96.25	0.54	2.46	0.75
Tynagh Energy Ltd	Tynagh – TYC	384	96.17	0.01	1.66	2.16
Viridian Power & Energy	Huntstown - HN2	400	95.58	0.51	1.1	2.81
	Huntstown - HNC	342	93.24	0.2	3.75	2.81
System Total 365 Day Rolling Availability			86.83	6.55	5.82	0.8