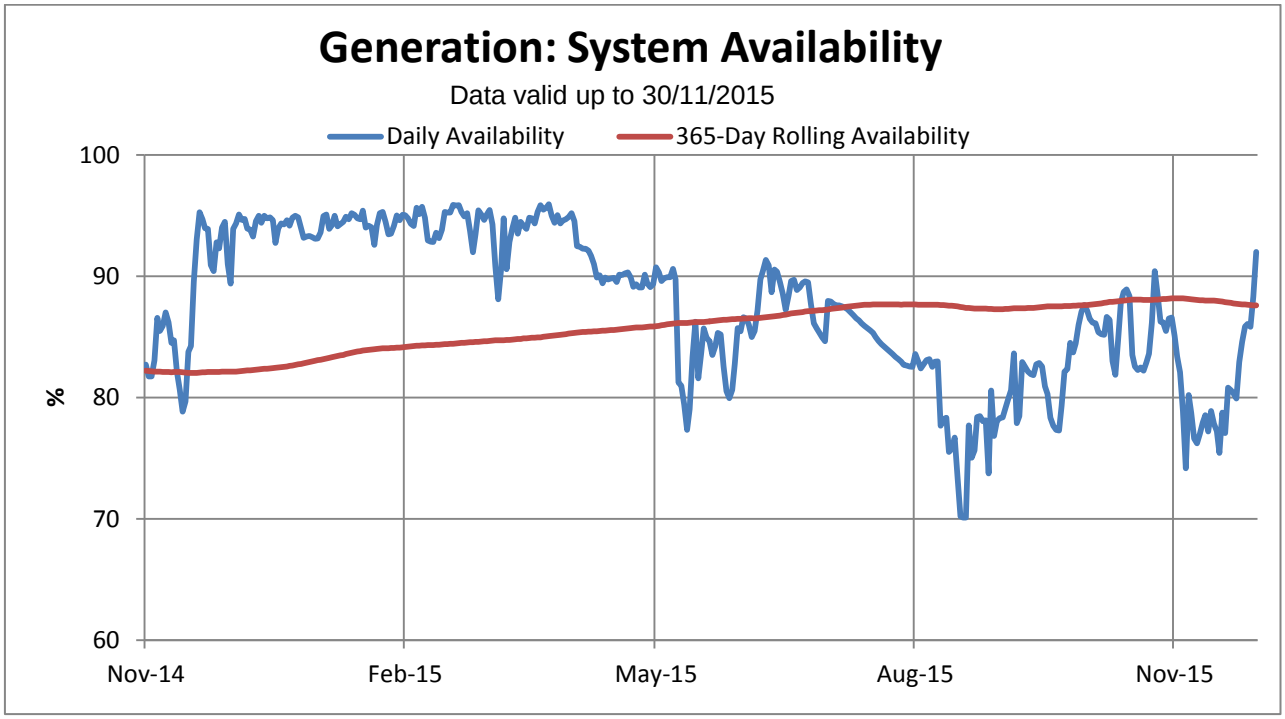
EirGrid Monthly Availability Report – November 2015

This report for November 2015, details the availability performance of the conventional generation units on the power system[1].

Key Points:

- The monthly forced outage rate increased from 6.71% in October to 14.49% in November.
- The monthly system availability decreased from 85.63% in October to 80.62% in November.
- The main scheduled outages in November were for the system's hydro units.
- The main forced outages in November were for GI4 and MP3.
- The 365-day rolling availability decreased slightly in November 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.

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

Unit-by-Unit Average Monthly Availability – November 2015						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	93.54	0	0	6.46
	Seal Rock - SK4	85	92.3	2.13	0	5.57
Bord Gáis	Whitegate – WG1	444	99.36	0	0	0.64
Edenderry Power Ltd	Edenderry – ED1	118	99.35	0.65	0	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	98.73	1.27	0	0
SSE Generation Ireland	Great Island – GI4	461	21.59	77.83	0.46	0.12
	Rhode – RP1	52	93.38	6.62	0	0
	Rhode – RP2	52	100	0	0	0
	Tarbert – TB1	54	68.37	0	31.63	0
	Tarbert – TB2	54	100	0	0	0
	Tarbert – TB3	241	98.73	1.27	0	0
	Tarbert – TB4	243	100	0	0	0
	Tawnaghmore - TP1	52	99.98	0.02	0	0
	Tawnaghmore - TP3	52	99.04	0	0.96	0
ESB Energy Ireland	Aghada - AD1	258	44.28	55.72	0	0
	Aghada - AD2	431	82.45	1.29	15.82	0.44
	Aghada - AT1	90	99.93	0.07	0	0
	Aghada - AT2	90	99.91	0.09	0	0
	Aghada - AT4	90	92.28	7.72	0	0
	Ardnacrusha - AA1	21	90.22	0	9.78	0
	Ardnacrusha - AA2	22	89.67	0.55	9.78	0
	Ardnacrusha - AA3	19	90.22	0	9.78	0
	Ardnacrusha - AA4	24	80.08	0.99	18.93	0
	Erne - ER1	10	0	0	100	0
	Erne - ER2	10	91.89	0.02	8.09	0
	Erne - ER3	22	99.03	0.86	0.11	0
	Erne - ER4	22	92.45	1.08	6.47	0
	Lee - LE1	15	99.92	0.08	0	0
	Lee - LE2	4	100	0	0	0
	Lee - LE3	8	99.31	0.05	0.64	0
	Liffey - LI1	15	0	0	100	0
	Liffey - LI2	15	0	0	100	0
	Liffey - LI4	4	0	0	100	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	96.29	0.24	3.47	0
	Marina - MRC	123	93.05	5.96	0	0.99
	Moneypoint - MP1	285	93.97	6.03	0	0
	Moneypoint - MP2	285	99.62	0.38	0	0
	Moneypoint - MP3	285	37.44	62.56	0	0
	North Wall – NW5	104	96.82	1.74	0	1.44
	Poolbeg - PB4	154	90.73	0.02	8.16	1.09
	Poolbeg - PB5	154	99.82	0	0	0.18
	Poolbeg - PB6	182	92.44	1.32	4.44	1.8
	Turlough Hill - TH1	73	99.23	0	0.77	0
	Turlough Hill - TH2	73	99.08	0	0.92	0
	Turlough Hill - TH3	73	94.68	4.74	0.58	0
	Turlough Hill - TH4	73	98.51	0	1.49	0
	West Offaly Power - WO4	137	98.35	1.65	0	0
Indaver	Indaver – IW1	16	80.67	19.33	0	0
Synergen	Dublin Bay - DB1	405	97.21	2.06	0.08	0.65
Tynagh Energy Ltd	Tynagh – TYC	384	97.85	0.13	0	2.02
Viridian Power & Energy	Huntstown - HN2	400	97.06	0	0	2.94
	Huntstown - HNC	342	96.33	0	0.42	3.25
System Total Average Availability			80.62	14.49	4.13	0.76

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

Unit-by-Unit 365 Day Rolling Availability – November 2014 to November 2015						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.64	3.22	0.77	6.37
	Seal Rock - SK4	85	90.2	0.54	3.61	5.65
Bord Gáis	Whitegate – WG1	444	96.55	0.82	1.95	0.68
Edenderry Power Ltd	Edenderry – ED1	118	82.61	14.5	2.89	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	80.92	14.06	4.52	0.5
	Rhode – RP1	52	95.69	0.56	3.75	0
	Rhode – RP2	52	96.25	0	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	94.56	0.14	5.3	0
	Tarbert – TB4	243	99.25	0.65	0.1	0
	Tawnaghmore - TP1	52	97.98	0.13	1.89	0
	Tawnaghmore - TP3	52	99.74	0.18	0.08	0
ESB Energy Ireland	Aghada - AD1	258	95.42	4.58	0	0
	Aghada - AD2	431	97.67	0.38	1.31	0.64
	Aghada - AT1	90	94.27	2.66	3.04	0.03
	Aghada - AT2	90	96.06	0.66	3.03	0.25
	Aghada - AT4	90	95.47	0.94	3.52	0.07
	Ardnacrusha - AA1	21	66.03	5.63	28.34	0
	Ardnacrusha - AA2	22	69.6	1.08	29.32	0
	Ardnacrusha - AA3	19	68.71	10.51	20.78	0
	Ardnacrusha - AA4	24	76.73	1.02	22.25	0
	Erne - ER1	10	8.34	1.97	89.69	0
	Erne - ER2	10	89.96	5.69	4.35	0
	Erne - ER3	22	97.86	0.46	1.68	0
	Erne - ER4	22	83.6	0.52	15.88	0
	Lee - LE1	15	86.38	0.81	12.81	0
	Lee - LE2	4	92.3	0.91	6.79	0
	Lee - LE3	8	92	0.13	7.87	0
	Liffey - LI1	15	45.92	0.21	53.87	0
	Liffey - LI2	15	46.16	0.01	53.83	0
	Liffey - LI4	4	46.12	0.04	53.84	0
	Liffey - LI5	4	94.45	4.36	1.19	0
	Lough Ree Power - LR4	91	95.08	1.36	3.56	0
	Marina - MRC	123	83.97	4.5	11.26	0.27
	Moneypoint - MP1	285	92.67	6.77	0.56	0
	Moneypoint - MP2	285	70.12	7.15	22.73	0
	Moneypoint - MP3	285	88.49	7.54	3.97	0
	North Wall – NW5	104	92.69	4.9	1.83	0.58
	Poolbeg - PB4	154	97.07	0.01	1.21	1.71
	Poolbeg - PB5	154	98.52	0.08	1	0.4
	Poolbeg - PB6	182	93.61	0.8	3.67	1.92
	Turlough Hill - TH1	73	96.23	0.59	3.18	0
	Turlough Hill - TH2	73	96.23	0.48	3.29	0
	Turlough Hill - TH3	73	96.23	1.4	2.37	0
	Turlough Hill - TH4	73	96.67	1.05	2.28	0
	West Offaly Power - WO4	137	85.27	3.51	11.22	0
Indaver	Indaver – IW1	16	91.38	8.62	0	0
Synergen	Dublin Bay - DB1	405	97.48	0.24	1.58	0.7
Tynagh Energy Ltd	Tynagh – TYC	384	96.29	0.06	1.54	2.11
Viridian Power & Energy	Huntstown - HN2	400	95.81	0.51	1.1	2.58
	Huntstown - HNC	342	93.5	0.2	3.75	2.55
System Total 365 Day Rolling Availability			87.21	6.36	5.67	0.76

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