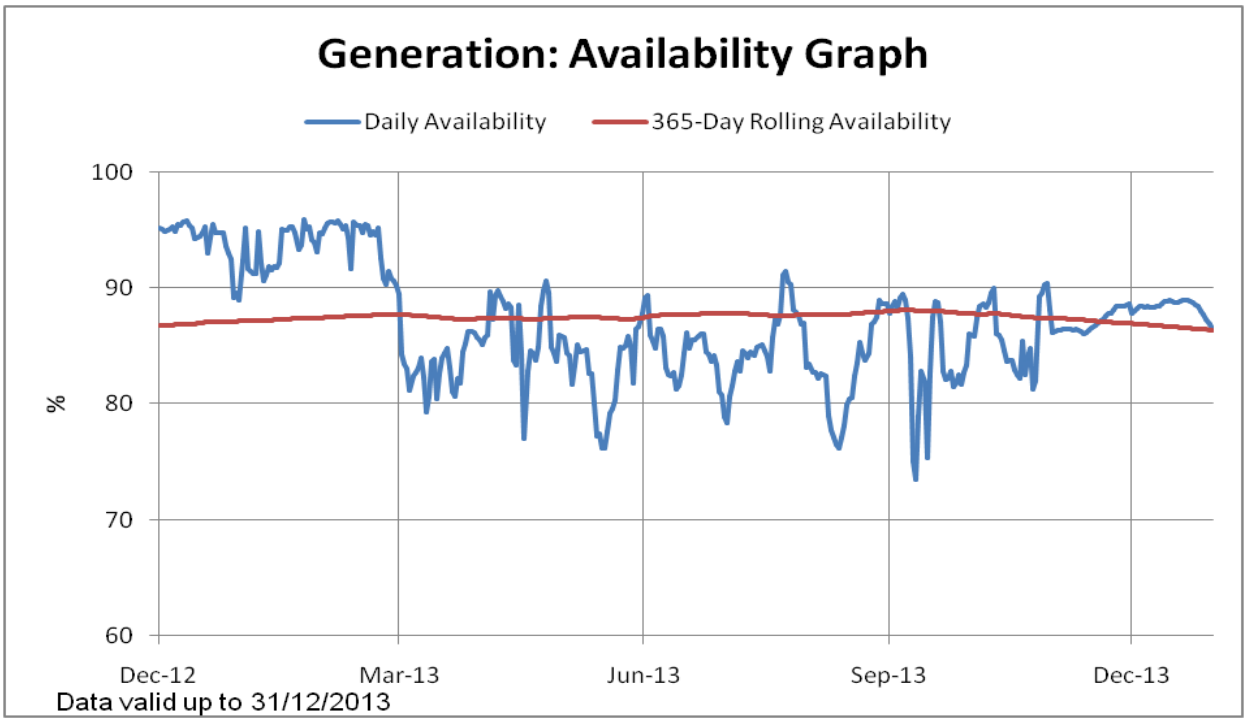
EirGrid Monthly Availability Report – December 2013

This report, for December 2013, details the availability performance of the centrally-dispatched generation units on the power system.

Key Points:

- The monthly forced outage rate increased from 5.2% in November to 10.95% in December.
- The monthly system availability decreased from 88.6% in November to 83.45% in December. The main scheduled outages in December were at Ardnacrusha station, Erne ER2 & ER3, Indaver IW1 and Dalkia Alternative Energy Ltd DP1.
- The main forced outages in December were Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Whitegate WG1, Edenderry ED1, Great Island GI2, Tawnaghmore TP3, Indaver IW1, Aghada AD1 & AT4, Erne ER1, Moneypoint MP1 and the long term forced outages of North Wall NWC and Moneypoint MP2.
- The 365-day rolling availability decreased from 87.1% in November to 86.19% in December.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st December to 00:00 1st January 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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Unit-by-Unit Average Monthly Availability – December 2013						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	48	63.24	32.43	4.33	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	81.71	13.96	0	4.33
	Seal Rock - SK4	85	93.1	0	0	6.9
Bord Gáis	Whitegate – WG1	444	60.51	39.47	0	0.02
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	37.49	52.87	9.64	0
Edenderry Power Ltd	Edenderry – ED1	118	82.26	17.74	0	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island - GI1	54	100	0	0	0
	Great Island - GI2	54	90.74	9.26	0	0
	Great Island - GI3	109	100	0	0	0
	Rhode – RP1	52	99.83	0.17	0	0
	Rhode – RP2	52	100	0	0	0
	Tarbert – TB1	54	100	0	0	0
	Tarbert – TB2	54	99.66	0.34	0	0
	Tarbert – TB3	241	100	0	0	0
	Tarbert – TB4	243	100	0	0	0
	Tawnaghmore - TP1	52	100	0	0	0
	Tawnaghmore - TP3	52	89.77	10.23	0	0
ESB Energy Ireland	Aghada - AD1	258	41.46	58.54	0	0
	Aghada - AD2	431	93.52	5.23	0	1.25
	Aghada - AT1	90	97.77	2.23	0	0
	Aghada - AT2	90	95.67	4.33	0	0
	Aghada - AT4	90	65.99	34.01	0	0
	Ardnacrusha - AA1	21	82.39	0.19	17.42	0
	Ardnacrusha - AA2	22	81.95	0.18	17.87	0
	Ardnacrusha - AA3	19	0	0	100	0
	Ardnacrusha - AA4	24	75.28	6.23	18.49	0
	Erne - ER1	10	76.13	23.87	0	0
	Erne - ER2	10	0	0	100	0
	Erne - ER3	22	63.29	0.7	36.01	0
	Erne - ER4	22	100	0	0	0
	Lee - LE1	15	98.64	0	1.36	0
	Lee - LE2	4	98.68	0	1.32	0
	Lee - LE3	8	100	0	0	0
	Liffey - LI1	15	97.88	2.12	0	0
	Liffey - LI2	15	100	0	0	0
	Liffey - LI4	4	100	0	0	0
	Liffey - LI5	4	100	0	0	0
	Lough Ree Power - LR4	91	100	0	0	0
	Marina - MRC	95	76.42	23.58	0	0
	Moneypoint - MP1	285	77.33	22.67	0	0
	Moneypoint - MP2	285	0	58.06	41.94	0
	Moneypoint - MP3	285	99.43	0.57	0	0
	North Wall - NW5	104	98.15	1.85	0.0	0.0
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	99.43	0	0	0.57
	Poolbeg - PB5	154	99.93	0	0	0.07
	Poolbeg - PB6	182	97.57	0	0	2.43
	Turlough Hill - TH1	73	99.55	0	0.45	0
	Turlough Hill - TH2	73	96.23	2.64	1.13	0
	Turlough Hill - TH3	73	99.41	0	0.59	0
	Turlough Hill - TH4	73	99.24	0.26	0.5	0
	West Offaly Power - WO4	137	100	0	0	0
Indaver	Indaver – IW1	16	82.4	6.58	11.02	0
Synergen	Dublin Bay - DB1	405	99.3	0.26	0	0.44
Tynagh Energy Ltd	Tynagh – TYC	384	98.57	0	0	1.43
Viridian Power & Energy	Huntstown - HN2	400	97.43	0	0	2.57
	Huntstown - HNC	342	97.41	0	0	2.59
System Total Average Availability			**83.45**	**10.95**	**4.92**	**0.68**

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Unit-by-Unit 365 Day Rolling Availability – December 2012 to December 2013						
Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	48	69.42	24.74	5.84	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	87.7	4.26	1.03	7.01
	Seal Rock - SK4	85	82.85	7.96	1.69	7.5
Bord Gáis Energy	Whitegate – WG1	444	92.89	3.63	3.02	0.46
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	26.27	54.97	18.76	0
Edenderry Power Ltd	Edenderry – ED1	118	76.59	6.37	17.04	0
	Edenderry – ED3	58	94.96	0	5.04	0
	Edenderry – ED5	58	94.96	0	5.04	0
SSE Generation Ireland	Great Island - GI1	54	98.88	0.64	0.48	0
	Great Island - GI2	54	89.68	9.5	0.82	0
	Great Island - GI3	109	91.19	7.62	1.19	0
	Rhode – RP1	52	98.57	0.02	1.41	0
	Rhode – RP2	52	98.59	0	1.41	0
	Tarbert – TB1	54	96.85	0.08	3.07	0
	Tarbert – TB2	54	99.92	0.08	0	0
	Tarbert – TB3	241	97.86	0.01	2.13	0
	Tarbert – TB4	243	98.68	1.32	0	0
	Tawnaghmore - TP1	52	99.8	0.2	0	0
	Tawnaghmore - TP3	52	97.95	0.87	1.18	0
ESB Energy Ireland	Aghada - AD1	258	50.04	49.96	0	0
	Aghada - AD2	431	92.09	1.66	4.9	1.35
	Aghada - AT1	90	94.75	3.74	1.36	0.15
	Aghada - AT2	90	94.73	4.32	0.81	0.14
	Aghada - AT4	90	89.69	6.58	3.58	0.15
	Ardnacrusha - AA1	21	62.91	5.16	31.93	0
	Ardnacrusha - AA2	22	69.23	1.5	29.27	0
	Ardnacrusha - AA3	19	42.51	1.06	56.43	0
	Ardnacrusha - AA4	24	61.59	4.5	33.91	0
	Erne - ER1	10	95.54	2.03	2.43	0
	Erne - ER2	10	50.84	0	49.16	0
	Erne - ER3	22	7.21	87.26	5.53	0
	Erne - ER4	22	98.64	0.02	1.34	0
	Lee - LE1	15	91.66	0.88	7.46	0
	Lee - LE2	4	93.43	0.32	6.25	0
	Lee - LE3	8	92.51	1.02	6.47	0
	Liffey - LI1	15	87.59	2.87	9.54	0
	Liffey - LI2	15	89.61	0.05	10.34	0
	Liffey - LI4	4	98.83	0.04	1.13	0
	Liffey - LI5	4	89.6	10.4	0	0
	Lough Ree Power - LR4	91	92.5	5.22	2.28	0
	Marina - MRC	95	76.42	23.58	0	0
	Moneypoint - MP1	285	94.23	2.58	3.19	0
	Moneypoint - MP2	285	73.38	1.95	24.67	0
	Moneypoint - MP3	285	72.66	11.67	15.67	0
	North Wall - NW5	104	90.92	6.82	2.21	0.05
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	97.4	0.03	1.06	1.51
	Poolbeg - PB5	154	98.39	0.1	1.16	0.35
	Poolbeg - PB6	182	90.29	4.52	2.93	2.26
	Turlough Hill - TH1	73	93.52	1.27	5.21	0
	Turlough Hill - TH2	73	90.3	4.57	5.13	0
	Turlough Hill - TH3	73	96.61	0.33	3.06	0
	Turlough Hill - TH4	73	96.26	1	2.74	0
	West Offaly Power - WO4	137	91.88	2.8	5.32	0
Indaver	Indaver – IW1	16	88.46	10.6	0.94	0
Synergen	Dublin Bay - DB1	405	93.61	2.08	1.89	2.42
Tynagh Energy Ltd	Tynagh – TYC	384	94.1	2.1	1.42	2.38
Viridian Power & Energy	Huntstown - HN2	400	87.18	0.17	9.48	3.17
	Huntstown - HNC	342	95.94	0.06	0	4
System Total 365 Day Rolling Availability			**86.19**	**7.88**	**4.87**	**1.06**

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