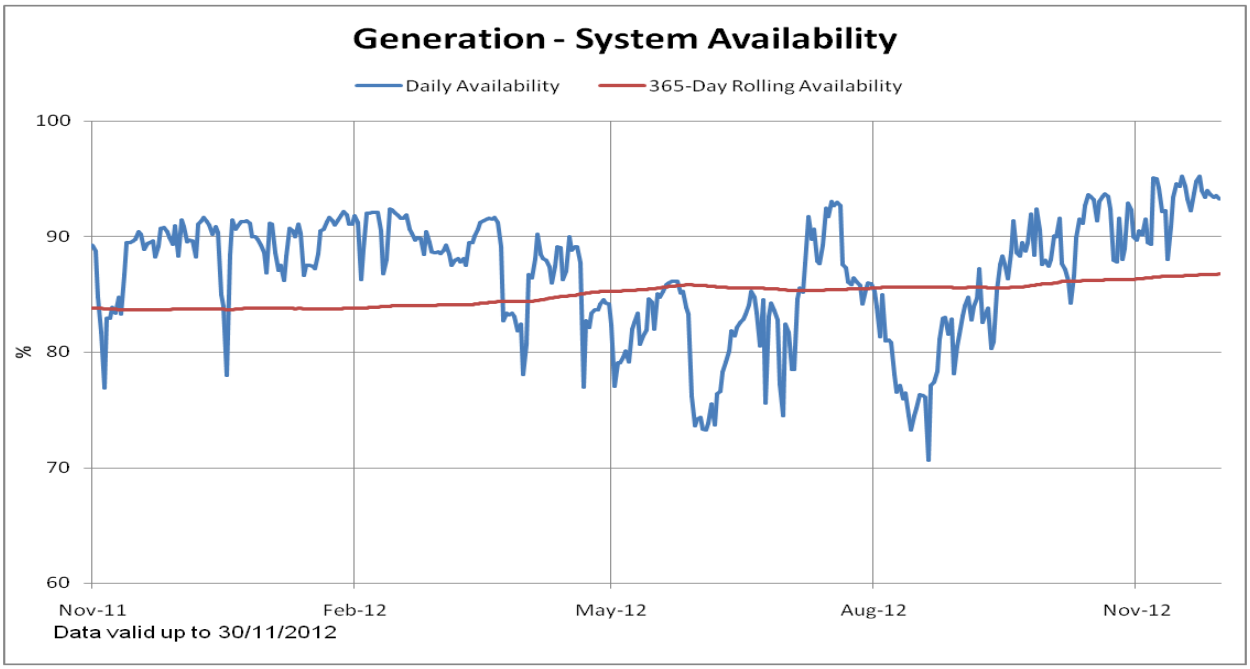
EirGrid Monthly Availability Report – November 2012

This report, for November 2012, details the availability performance of the centrally-dispatched generation units on the power system.

Key Points:

- Please note that due to the erroneous addition of a unit under test in both the September and October EirGrid Monthly Availability Reports the system monthly forced outage rates, system monthly availability and system 365-day rolling availability values for these months were incorrect. These have been corrected for this report. Individual unit availabilities, including rolling 365 day availabilities, were correct.
- The forced outage rate increased from 5.1% in October to 5.4% in November.
- The monthly system availability increased from 90.4% in October to 92.8% in November. The main scheduled outages in November were at Dalkia Alternative Energy Ltd. DP1, Indaver IW1, Tawnaghmore station, Turlough Hill station and Whitegate WG1. The main forced outages in November were Dalkia Alternative Energy Ltd. DP1, Liffey LI5 and the long-term forced outages of North Wall NWC and Erne ER3.
- The 365-day rolling availability increased by 0.4% to 86.7% in November from 86.3% in October.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st November to 00:00 1st December 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 – November 2012

Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Activation Energy	AEDSU – AE1	12	53.1	46.9	0.0	0.0	77.6
Aughinish Alumina Ltd	Seal Rock - SK3	85	85.8	0.0	8.8	5.4	89.4
	Seal Rock - SK4	85	96.3	0.0	0.0	3.7	86.8
Bord Gáis	Whitegate – WG1	444[1]	91.6	2.2	5.3	0.9	88.6
Dalkia Alternative Energy Ltd	DAE VPP – DP1	29	0.0	65.6	34.4	0.0	0.0
Edenderry Power Ltd	Edenderry - ED1	118	88.5	11.5	0.0	0.0	79.0
	Edenderry – ED3	58	100.0	0.0	0.0	0.0	99.6
	Edenderry – ED5	58	100.0	0.0	0.0	0.0	99.9
Endesa Ireland	Great Island - GI1	54	100.0	0.0	0.0	0.0	98.9
	Great Island - GI2	54	90.7	9.3	0.0	0.0	90.2
	Great Island - GI3	109	100.0	0.0	0.0	0.0	99.0
	Rhode – RP1	52	98.2	0.0	1.8	0.0	98.0
	Rhode – RP2	52	99.9	0.1	0.0	0.0	98.3
	Tarbert – TB1	54	99.7	0.3	0.0	0.0	99.9
	Tarbert – TB2	54	97.4	2.6	0.0	0.0	99.6
	Tarbert – TB3	243	100.0	0.0	0.0	0.0	99.5
	Tarbert – TB4	243	97.4	2.6	0.0	0.0	99.7
	Tawnaghmore - TP1	52	93.1	0.0	7.0	0.0	96.4
	Tawnaghmore - TP3	52	92.7	3.0	4.3	0.0	97.9
ESB Power Generation	Aghada - AD1	258	100.0	0.0	0.0	0.0	97.7
	Aghada - AD2	432	99.3	0.1	0.0	0.6	96.0
	Aghada - AT1	90	100.0	0.1	0.0	0.0	96.6
	Aghada - AT2	90	98.9	0.0	1.1	0.0	85.2
	Aghada - AT4	90	98.2	0.0	1.8	0.0	88.8
	Ardnacrusha - AA1	21	99.1	0.0	0.9	0.0	90.4
	Ardnacrusha - AA2	22	99.1	0.0	0.9	0.0	91.4
	Ardnacrusha - AA3	19	92.1	6.5	1.4	0.0	88.9
	Ardnacrusha - AA4	24	98.9	0.3	0.8	0.0	91.3
	Erne - ER1	10	99.7	0.0	0.3	0.0	98.6
	Erne - ER2	10	100.0	0.0	0.0	0.0	98.6
	Erne - ER3	23	0.0	100.0	0.0	0.0	0.0
	Erne - ER4	23	99.4	0.0	0.6	0.0	98.2
	Lee - LE1	15	99.0	0.0	1.0	0.0	94.4
	Lee - LE2	4	100.0	0.0	0.0	0.0	95.0
	Lee - LE3	8	100.0	0.0	0.0	0.0	73.9
	Liffey - LI1	15	100.0	0.0	0.0	0.0	94.2
	Liffey - LI2	15	100.0	0.0	0.0	0.0	94.0
	Liffey - LI4	4	99.0	0.1	0.9	0.0	93.9
	Liffey - LI5	4	0.1	99.9	0.0	0.0	64.9
	Lough Ree Power - LR4	91	96.6	3.4	0.0	0.0	92.0
	Marina - MRC	123	76.2	22.5	1.3	0.0	76.2
	Moneypoint - MP1	285	100.0	0.0	0.0	0.0	91.5
	Moneypoint - MP2	285	88.3	11.7	0.0	0.0	84.6
	Moneypoint - MP3	285	99.6	0.4	0.0	0.0	97.2
	North Wall - NW5	108	97.1	1.7	0.0	1.2	87.1
	North Wall – NWC	154	0.0	100.0	0.0	0.0	0.0
	Poolbeg - PB4	158	99.6	0.0	0.0	0.4	96.7
	Poolbeg - PB5	154	97.1	2.9	0.0	0.0	97.0
	Poolbeg - PB6	182	95.9	1.7	0.0	2.4	94.9
	Turlough Hill - TH1	73	98.2	0.3	1.6	0.0	50.0
	Turlough Hill - TH2	73	95.6	2.7	1.7	0.0	60.6
	Turlough Hill - TH3	73	87.4	7.9	4.8	0.0	25.7
	Turlough Hill - TH4	73	98.2	0.6	1.2	0.0	36.5
	West Offaly Power - WO4	135	99.4	0.6	0.0	0.0	90.6
Indaver	Indaver – IW1	17	67.1	2.2	30.7	0.0	58.7
Synergen	Dublin Bay - DB1	405	97.9	1.2	0.0	1.0	79.9
Tynagh Energy Ltd	Tynagh – TYC	404	95.3	0.0	0.0	4.7	75.2
Viridian Power & Energy	Huntstown - HN2	408	90.2	8.1	0.0	1.7	93.8
	Huntstown - HNC	344	96.9	0.0	0.0	3.1	94.8
System Total Average Availability			**92.8[2]**	**5.4[2]**	**0.9**	**0.9**	**86.7[2]**

[1] Whitegate Capacity increased to 444MW from 435MW on 16th November 2012.

[2] The System Total Average Availability %, Forced %, and 365-day Rolling Availability % have been corrected from September and October Reports to remove the erroneous inclusion of a unit under test.

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