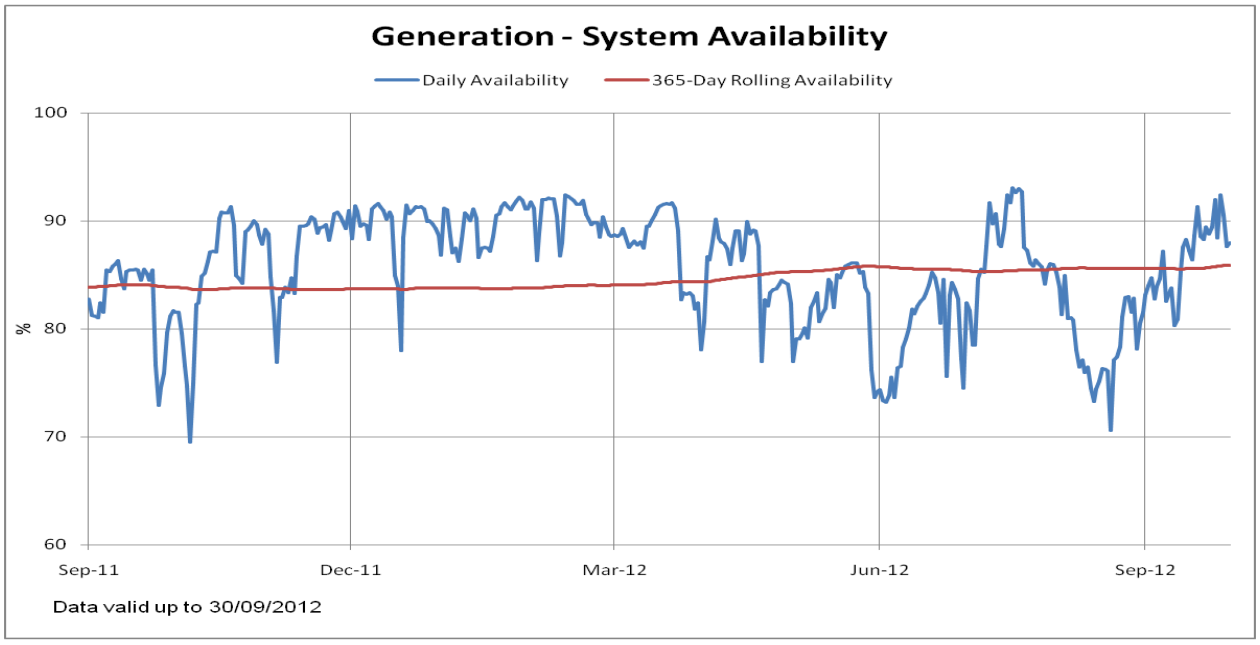
EirGrid Monthly Availability Report – September 2012

This report, for September 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 originally incorrect. These have been corrected for this report. Individual unit availabilities, including rolling 365 day availabilities, were correct.
- The forced outage rate decreased from 6.1% in August to 5.0% in September.
- The monthly system availability increased from 78.8% in August to 86.7% in September. The main scheduled outages in September were at Ardnacrusha station, Dublin Bay DB1, Indaver IW1, Liffey LI5, Moneypoint MP2, Rhode Peakers and West Offaly WO4. The main forced outages in September were the long-term forced outages of North Wall NWC and Erne ER3.
- The 365-day rolling availability increased by 0.4% to 85.9% in September from 85.5% in August.



Definitions

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

Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %	365-day Rolling Availability %
Activation Energy	AEDSU – AE1	12	96.8	3.2	0.0	0.0	85.1
Aughinish Alumina Ltd	Seal Rock - SK3	85	91.6	0.0	0.0	8.4	87.0
	Seal Rock - SK4	85	91.6	0.4	0.0	8.0	86.4
Bord Gáis	Whitegate – WG1	435	94.9	0.2	0.0	4.9	90.4
Edenderry Power Ltd	Edenderry - ED1	118	86.0	14.0	0.0	0.0	82.1
	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	99.9	0.1	0.0	0.0	99.0
	Rhode – RP1	52	77.2	1.5	21.3	0.0	98.1
	Rhode – RP2	52	78.7	0.0	21.3	0.0	98.1
	Tarbert – TB1	54	100.0	0.0	0.0	0.0	99.9
	Tarbert – TB2	54	100.0	0.0	0.0	0.0	99.9
	Tarbert – TB3	243	100.0	0.0	0.0	0.0	99.5
	Tarbert – TB4	243	100.0	0.0	0.0	0.0	96.1
	Tawnaghmore - TP1	52	100.0	0.0	0.0	0.0	97.1
	Tawnaghmore - TP3	52	100.0	0.0	0.0	0.0	99.0
ESB Power Generation	Aghada - AD1	258	100.0	0.0	0.0	0.0	97.3
	Aghada - AD2	432	98.2	0.2	0.0	1.6	95.8
	Aghada - AT1	90	96.4	3.5	0.0	0.1	97.0
	Aghada - AT2	90	99.9	0.0	0.0	0.1	85.7
	Aghada - AT4	90	99.9	0.0	0.0	0.1	88.9
	Ardnacrusha - AA1	21	66.8	3.7	29.5	0.0	91.0
	Ardnacrusha - AA2	22	55.4	2.2	42.4	0.0	91.8
	Ardnacrusha - AA3	19	50.2	3.3	46.5	0.0	89.9
	Ardnacrusha - AA4	24	53.8	2.8	43.5	0.0	90.8
	Erne - ER1	10	100.0	0.0	0.0	0.0	98.2
	Erne - ER2	10	100.0	0.0	0.0	0.0	98.1
	Erne - ER3	23	0.0	100.0	0.0	0.0	0.0
	Erne - ER4	23	99.8	0.0	0.2	0.0	96.1
	Lee - LE1	15	99.2	0.1	0.7	0.0	94.6
	Lee - LE2	4	98.8	0.0	1.3	0.0	94.4
	Lee - LE3	8	86.2	9.5	4.3	0.0	73.0
	Liffey - LI1	15	99.4	0.6	0.0	0.0	93.2
	Liffey - LI2	15	100.0	0.0	0.0	0.0	95.2
	Liffey - LI4	4	100.0	0.0	0.0	0.0	93.1
	Liffey - LI5	4	0.0	0.0	100.0	0.0	81.5
	Lough Ree Power - LR4	91	88.5	7.2	4.4	0.0	91.7
	Marina - MRC	123	75.7	23.4	0.9	0.0	74.4
	Moneypoint - MP1	285	99.2	0.9	0.0	0.0	91.4
	Moneypoint - MP2	285	39.9	0.2	59.9	0.0	86.0
	Moneypoint - MP3	285	98.5	1.5	0.0	0.0	97.3
	North Wall - NW5	108	94.7	2.7	0.0	2.5	85.9
	North Wall – NWC	154	0.0	100.0	0.0	0.0	0.0
	Poolbeg - PB4	158	94.9	2.9	0.0	2.2	95.1
	Poolbeg - PB5	154	81.3	2.0	16.3	0.4	96.9
	Poolbeg - PB6	182	85.2	2.8	9.8	2.1	93.5
	Turlough Hill - TH1	73	99.2	0.2	0.6	0.0	33.5
	Turlough Hill - TH2	73	97.5	2.5	0.0	0.0	44.2
	Turlough Hill - TH3	73	98.4	0.4	1.2	0.0	10.2
	Turlough Hill - TH4	73	97.9	1.5	0.7	0.0	20.0
	West Offaly Power - WO4	135	55.7	0.1	44.2	0.0	90.6
Indaver	Indaver – IW1	17	76.0	0.2	23.9	0.0	50.4
Synergen	Dublin Bay - DB1	405	60.5	17.8	20.7	1.0	77.4
Tynagh Energy Ltd	Tynagh – TYC	404	93.9	0.2	0.0	5.8	74.1
Viridian Power & Energy	Huntstown - HN2	408	95.3	0.7	0.0	4.0	94.2
	Huntstown - HNC	344	87.3	0.0	7.8	4.9	95.5
System Total Average Availability			**86.7**[1]	**5.0**[1]	**6.7**	**1.7**	**85.9**[1]

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

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