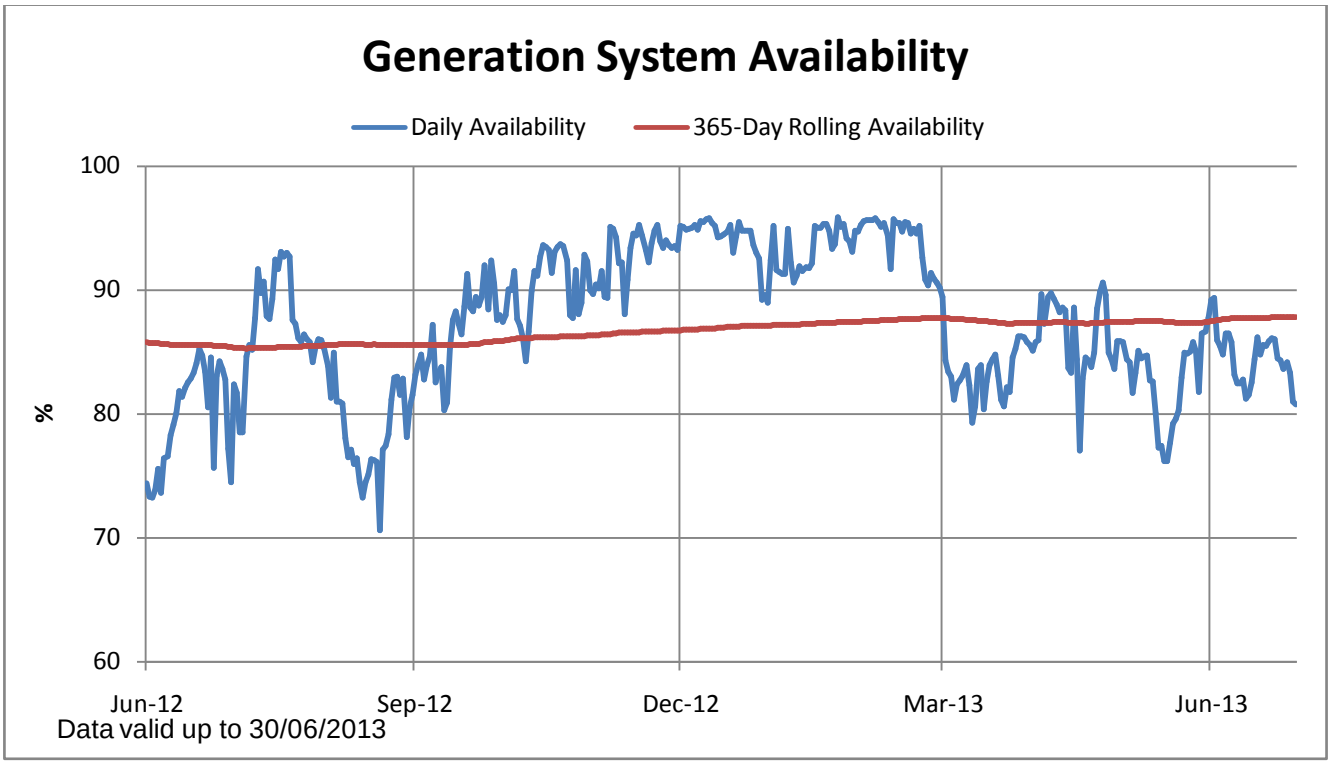
EirGrid Monthly Availability Report – June 2013

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

Key Points:

- The monthly forced outage rate decreased from 10.2% in May to 9.5% in June.
- The monthly system availability increased from 83.1% in May to 84.5% in June. The main scheduled outages in May were at Ardnacrusha station, Edenderry ED1, Great Island GI2 & GI3, Lee station, Poolbeg PB4 & PB6 and Turlough Hill TH3 & TH4.
- The main forced outages in June were Activation Energy AE1, Aghada AT4, Ardnacrusha AA4, Dalkia Alternative Energy Ltd DP1, Great Island station, Lee LE3, Marina MRC, Poolbeg PB6 and long-term forced outages of Aghada AD1, Erne ER3 and North Wall NWC.
- The 365-day rolling availability increased from 87.5% in May to 87.9% in June.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st June to 00:00 1st July 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)

HOW TO CONTACT US

General Queries
Tel: +353 1 23 70000
Email: info@eirgrid.com

Power System Operational Planning
Tel: +353 1 23 70446
Email: PSOP@eirgrid.com

www.eirgrid.com

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Unit-by-Unit Average Monthly Availability – June 2013

Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	38	70.1	29.9	0.0	0.0
Aughinish Alumina Ltd	Seal Rock - SK3	85	91.6	0.1	0.0	8.3
	Seal Rock - SK4	85	89.0	0.4	0.0	10.6
BordGáis	Whitegate – WG1	444	99.5	0.2	0.0	0.3
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	24.4	75.6	0.0	0.0
Edenderry Power Ltd	Edenderry – ED1	118	0.0	0.0	100.0	0.0
	Edenderry – ED3	58	100.0	0.0	0.0	0.0
	Edenderry – ED5	58	100.0	0.0	0.0	0.0
SSE Generation Ireland	Great Island - GI1	54	87.3	6.9	5.8	0.0
	Great Island - GI2	54	78.8	11.2	10.0	0.0
	Great Island - GI3	109	62.5	23.1	14.4	0.0
	Rhode – RP1	52	100.0	0.0	0.0	0.0
	Rhode – RP2	52	100.0	0.0	0.0	0.0
	Tarbert – TB1	54	100.0	0.0	0.0	0.0
	Tarbert – TB2	54	100.0	0.0	0.0	0.0
	Tarbert – TB3	241	94.7	0.0	5.4	0.0
	Tarbert – TB4	243	100.0	0.0	0.0	0.0
	Tawnaghmore - TP1	52	100.0	0.0	0.0	0.0
	Tawnaghmore - TP3	52	100.0	0.0	0.0	0.0
ESB Energy Ireland	Aghada - AD1	258	0.0	100.0	0.0	0.0
	Aghada - AD2	431	98.0	0.0	0.0	2.0
	Aghada - AT1	90	99.8	0.0	0.0	0.2
	Aghada - AT2	90	99.8	0.0	0.0	0.2
	Aghada - AT4	90	86.4	13.4	0.0	0.2
	Ardnacrusha - AA1	21	3.9	0.0	96.1	0.0
	Ardnacrusha - AA2	22	52.3	0.2	47.5	0.0
	Ardnacrusha - AA3	19	57.4	0.0	42.6	0.0
	Ardnacrusha - AA4	24	49.9	16.6	33.6	0.0
	Erne - ER1	10	100.0	0.0	0.0	0.0
	Erne - ER2	10	100.0	0.0	0.0	0.0
	Erne - ER3	22	0.0	100.0	0.0	0.0
	Erne - ER4	22	100.0	0.0	0.0	0.0
	Lee - LE1	15	85.9	0.0	14.1	0.0
	Lee - LE2	4	85.8	0.0	14.2	0.0
	Lee - LE3	8	42.0	9.6	48.4	0.0
	Liffey - LI1	15	100.0	0.0	0.0	0.0
	Liffey - LI2	15	100.0	0.0	0.0	0.0
	Liffey - LI4	4	100.0	0.0	0.0	0.0
	Liffey - LI5	4	100.0	0.0	0.0	0.0
	Lough Ree Power - LR4	91	94.6	5.5	0.0	0.0
	Marina - MRC	123	76.4	23.6	0.0	0.0
	Moneypoint - MP1	285	100.0	0.0	0.0	0.0
	Moneypoint - MP2	285	99.5	0.5	0.0	0.0
	Moneypoint - MP3	285	98.4	1.6	0.0	0.0
	North Wall - NW5	104	97.2	0.0	2.8	0.0
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	85.2	0.0	12.9	1.9
	Poolbeg - PB5	154	99.9	0.0	0.0	0.1
	Poolbeg - PB6	182	26.3	45.3	28.0	0.5
	Turlough Hill - TH1	73	93.6	4.2	2.2	0.0
	Turlough Hill - TH2	73	100.0	0.0	0.0	0.0
	Turlough Hill - TH3	73	76.8	2.2	21.1	0.0
	Turlough Hill - TH4	73	82.9	0.1	17.0	0.0
	West Offaly Power - WO4	137	91.8	2.9	5.3	0.0
Indaver	Indaver – IW1	16	99.7	0.4	0.0	0.0
Synergen	Dublin Bay - DB1	405	96.1	0.0	0.0	3.9
Tynagh Energy Ltd	Tynagh – TYC	384	95.1	2.2	0.0	2.7
Viridian Power & Energy	Huntstown - HN2	400	95.9	0.0	0.0	4.1
	Huntstown - HNC	342	94.8	0.0	0.0	5.2
System Total Average Availability			**84.5**	**9.5**	**4.6**	**1.3**

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Unit-by-Unit 365 Day Rolling Availability – June 2012 to June 2013

Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	38	71.7	28.3	0.0	0.0
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.5	2.7	1.7	7.0
	Seal Rock - SK4	85	85.1	7.9	1.3	5.8
BordGáis Energy	Whitegate – WG1	444	95.3	1.0	2.1	1.6
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	27.8	64.3	7.9	0.0
Edenderry Power Ltd	Edenderry – ED1	118	64.9	9.6	25.5	0.0
	Edenderry – ED3	58	100.0	0.0	0.0	0.0
	Edenderry – ED5	58	100.0	0.0	0.0	0.0
SSE Generation Ireland	Great Island - GI1	54	98.9	0.6	0.5	0.0
	Great Island - GI2	54	89.8	9.4	0.8	0.0
	Great Island - GI3	109	96.6	2.2	1.2	0.0
	Rhode – RP1	52	98.0	0.1	1.9	0.0
	Rhode – RP2	52	98.3	0.0	1.8	0.0
	Tarbert – TB1	54	99.9	0.1	0.0	0.0
	Tarbert – TB2	54	99.7	0.3	0.0	0.0
	Tarbert – TB3	241	99.1	0.5	0.4	0.0
	Tarbert – TB4	243	99.8	0.2	0.0	0.0
	Tawnaghmore - TP1	52	99.1	0.2	0.7	0.0
	Tawnaghmore - TP3	52	98.8	0.7	0.5	0.0
ESB Energy Ireland	Aghada - AD1	258	61.5	38.4	0.1	0.0
	Aghada - AD2	431	96.4	1.3	1.4	0.9
	Aghada - AT1	90	94.8	4.4	0.7	0.1
	Aghada - AT2	90	95.9	3.3	0.8	0.1
	Aghada - AT4	90	94.6	3.6	1.7	0.1
	Ardnacrusha - AA1	21	79.3	1.4	19.3	0.0
	Ardnacrusha - AA2	22	84.8	1.3	13.9	0.0
	Ardnacrusha - AA3	19	82.7	3.5	13.8	0.0
	Ardnacrusha - AA4	24	77.5	3.6	18.9	0.0
	Erne - ER1	10	99.7	0.3	0.0	0.0
	Erne - ER2	10	97.7	0.1	2.2	0.0
	Erne - ER3	22	0.0	100.0	0.0	0.0
	Erne - ER4	22	99.2	0.0	0.8	0.0
	Lee - LE1	15	91.4	0.9	7.7	0.0
	Lee - LE2	4	93.3	0.4	6.4	0.0
	Lee - LE3	8	80.0	5.9	14.1	0.0
	Liffey - LI1	15	91.7	2.8	5.6	0.0
	Liffey - LI2	15	94.1	2.2	3.7	0.0
	Liffey - LI4	4	96.2	0.1	3.8	0.0
	Liffey - LI5	4	50.8	29.5	19.7	0.0
	Lough Ree Power - LR4	91	87.9	5.9	6.3	0.0
	Marina - MRC	123	76.4	23.6	0.1	0.0
	Moneypoint - MP1	285	92.2	0.3	7.5	0.0
	Moneypoint - MP2	285	83.8	3.3	12.9	0.0
	Moneypoint - MP3	285	95.8	4.2	0.1	0.0
	North Wall - NW5	104	93.0	3.8	2.2	1.1
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	96.2	0.5	2.0	1.3
	Poolbeg - PB5	154	96.4	0.8	2.5	0.3
	Poolbeg - PB6	182	89.0	4.5	4.2	2.3
	Turlough Hill - TH1	73	93.9	1.7	4.5	0.0
	Turlough Hill - TH2	73	92.2	3.3	4.4	0.0
	Turlough Hill - TH3	73	81.5	15.0	3.6	0.0
	Turlough Hill - TH4	73	92.0	4.0	3.9	0.0
	West Offaly Power - WO4	137	86.7	4.8	8.5	0.0
Indaver	Indaver – IW1	16	76.6	7.5	15.8	0.0
Synergen	Dublin Bay - DB1	405	82.3	2.2	13.9	1.6
Tynagh Energy Ltd	Tynagh – TYC	384	92.2	1.9	2.1	3.8
Viridian Power & Energy	Huntstown - HN2	400	87.2	0.8	9.4	2.6
	Huntstown - HNC	342	94.4	0.1	1.6	3.9
System Total 365 Day Rolling Availability			**87.9**	**6.8**	**4.3**	**1.1**

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