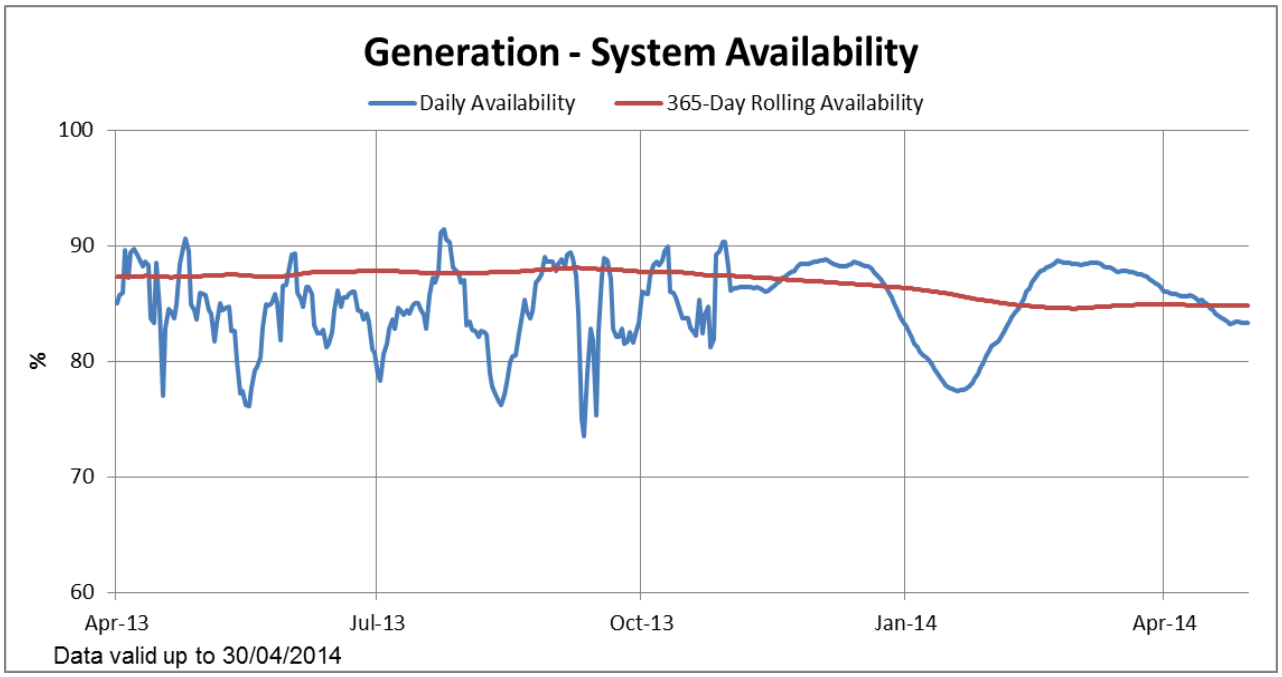
EirGrid Monthly Availability Report – April 2014

This report, for July 2014, details the availability performance of the centrally-dispatched generation units on the power system.

Key Points:

- The monthly forced outage rate increased from 6.01% in March to 7.03% in April.
- The monthly system availability decreased from 86.35% in March to 83.34% in April. The main scheduled outages in April were at Ardnacrusha station, Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Edenderry ED1, Great Island GI2, Tarbert TB3, Aghada AD2, Erne ER1 & ER2, Lee LE2, Liffey LI5, Lough Ree LR4, West Offaly WO4 and Poolbeg PB5.
- The main forced outages in April were Activation Energy AE1, Dalkia Alternative Energy Ltd DP1, Tarbert TB3, Lough Ree LR4, Marina MRC, Tynagh TYC, Turlough Hill TH1, Erne ER1, Moneypoint MP1 and MP2 and long-term forced outage of North Wall NWC.
- The 365-day rolling availability decreased from 84.98% in March to 84.74% in April.



Definitions

Availability: the capacity-weighted percentage of the time from 00:00 1st April to 00:00 1st May 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 – April 2014						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	AEDSU – AE1	72	60.53	29.06	10.41	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	90.26	0	2.78	6.96
	Seal Rock - SK4	85	86.3	5.03	0	8.67
Bord Gáis	Whitegate – WG1	444	96.32	3.33	0	0.35
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	30.26	45.05	24.69	0
Edenderry Power Ltd	Edenderry – ED1	118	82.24	1.29	16.47	0
	Edenderry – ED3	58	98.75	0	1.25	0
	Edenderry – ED5	58	98.75	0	1.25	0
SSE Generation Ireland	Great Island - GI1	54	100	0	0	0
	Great Island - GI2	54	90.74	0	9.26	0
	Great Island - GI3	109	100	0	0	0
	Rhode – RP1	52	99.85	0.15	0	0
	Rhode – RP2	52	99.92	0.08	0	0
	Tarbert – TB1	54	100	0	0	0
	Tarbert – TB2	54	100	0	0	0
	Tarbert – TB3	241	71.32	10.76	17.92	0
	Tarbert – TB4	243	99.17	0	0.83	0
	Tawnaghmore - TP1	52	100	0	0	0
	Tawnaghmore - TP3	52	99.97	0.03	0	0
ESB Energy Ireland	Aghada - AD1	258	94.05	5.95	0	0
	Aghada - AD2	431	0.13	0	99.87	0
	Aghada - AT1	90	100	0	0	0
	Aghada - AT2	90	100	0	0	0
	Aghada - AT4	90	100	0	0	0
	Ardnacrusha - AA1	21	78.74	0	21.26	0
	Ardnacrusha - AA2	22	78.37	0.12	21.51	0
	Ardnacrusha - AA3	19	0	0	100	0
	Ardnacrusha - AA4	24	67.98	0	32.02	0
	Erne - ER1	10	80.04	5.77	14.19	0
	Erne - ER2	10	0	0	100	0
	Erne - ER3	22	100	0	0	0
	Erne - ER4	22	100	0	0	0
	Lee - LE1	15	99.87	0	0.13	0
	Lee - LE2	4	64.43	0	35.57	0
	Lee - LE3	8	98.37	1.11	0.52	0
	Liffey - LI1	15	100	0	0	0
	Liffey - LI2	15	100	0	0	0
	Liffey - LI4	4	100	0	0	0
	Liffey - LI5	4	62.46	1.81	35.73	0
	Lough Ree Power - LR4	91	62.17	16.25	21.58	0
	Marina - MRC	95	0	100	0	0
	Moneypoint - MP1	285	88.7	11.3	0	0
	Moneypoint - MP2	285	92.24	7.76	0	0
	Moneypoint - MP3	285	99.2	0.8	0	0
	North Wall - NW5	104	96.99	3.01	0.0	0.0
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	98.96	0	0	1.04
	Poolbeg - PB5	154	91.24	0	8.75	0.01
	Poolbeg - PB6	182	93.17	0	4.68	2.15
	Turlough Hill - TH1	73	91.88	8.12	0	0
	Turlough Hill - TH2	73	99.23	0	0.77	0
	Turlough Hill - TH3	73	100	0	0	0
	Turlough Hill - TH4	73	100	0	0	0
	West Offaly Power - WO4	137	90.6	0.01	9.39	0
Indaver	Indaver – IW1	16	98.49	1.51	0	0
Synergen	Dublin Bay - DB1	405	99.57	0	0.26	0.17
Tynagh Energy Ltd	Tynagh – TYC	384	92.46	6.6	0	0.94
Viridian Power & Energy	Huntstown - HN2	400	96.66	0.82	0	2.52
	Huntstown - HNC	342	97.4	0	0	2.6
System Total Average Availability			**83.34**	**7.03**	**9.0**	**0.63**

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Unit-by-Unit 365 Day Rolling Availability – April 2013 to April 2014						
Company	Unit	Capacity	Rolling Availability %	Rolling Forced %	Rolling Scheduled %	Rolling Ambient %
Activation Energy	AEDSU – AE1	72	66.55	25.6	7.85	0
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.13	1.83	1.46	7.58
	Seal Rock - SK4	85	87.94	0.95	2.29	8.82
Bord Gáis Energy	Whitegate – WG1	444	85.68	10.55	3.19	0.58
Dalkia Alternative Energy Ltd	DAE VPP – DP1	22	22.97	52.51	24.52	0
Edenderry Power Ltd	Edenderry – ED1	118	77.96	3.87	18.17	0
	Edenderry – ED3	58	94.86	0	5.14	0
	Edenderry – ED5	58	94.84	0.02	5.14	0
SSE Generation Ireland	Great Island - GI1	54	98.45	0.64	0.91	0
	Great Island - GI2	54	89.28	8.2	2.52	0
	Great Island - GI3	109	90.83	7.55	1.62	0
	Rhode – RP1	52	98.56	0.03	1.41	0
	Rhode – RP2	52	98.58	0.01	1.41	0
	Tarbert – TB1	54	96.93	0	3.07	0
	Tarbert – TB2	54	99.97	0.03	0	0
	Tarbert – TB3	241	95.13	1.27	3.6	0
	Tarbert – TB4	243	98.27	1.51	0.22	0
	Tawnaghmore - TP1	52	97.93	0.6	1.47	0
	Tawnaghmore - TP3	52	97.93	0.89	1.18	0
ESB Energy Ireland	Aghada - AD1	258	65.77	34.23	0	0
	Aghada - AD2	431	80.08	1.59	16.73	1.6
	Aghada - AT1	90	94.95	3.54	1.36	0.15
	Aghada - AT2	90	94.72	4.32	0.82	0.14
	Aghada - AT4	90	90.75	7.02	2.08	0.15
	Ardnacrusha - AA1	21	62.27	7.76	29.97	0
	Ardnacrusha - AA2	22	71.48	1.47	27.05	0
	Ardnacrusha - AA3	19	13.94	0.62	85.44	0
	Ardnacrusha - AA4	24	58.82	8.48	32.7	0
	Erne - ER1	10	79.03	16.34	4.63	0
	Erne - ER2	10	19	0	81	0
	Erne - ER3	22	34.47	54.42	11.11	0
	Erne - ER4	22	97.6	0.03	2.37	0
	Lee - LE1	15	90.43	2.54	7.03	0
	Lee - LE2	4	93.08	0.58	6.34	0
	Lee - LE3	8	92.49	1.04	6.47	0
	Liffey - LI1	15	90.23	0.23	9.54	0
	Liffey - LI2	15	89.61	0.05	10.34	0
	Liffey - LI4	4	98.85	0.02	1.13	0
	Liffey - LI5	4	96.73	0.16	3.11	0
	Lough Ree Power - LR4	91	91.16	4.79	4.05	0
	Marina - MRC	95	61.24	38.76	0	0
	Moneypoint - MP1	285	90.91	5.9	3.19	0
	Moneypoint - MP2	285	53.94	16.11	29.95	0
	Moneypoint - MP3	285	72.93	11.4	15.67	0
	North Wall - NW5	104	91.66	6.08	2.21	0.05
	North Wall – NWC	154	0.0	100.0	0.0	0.0
	Poolbeg - PB4	154	97.21	0.05	1.06	1.68
	Poolbeg - PB5	154	97.32	0.2	2.12	0.36
	Poolbeg - PB6	182	89.4	4.61	3.39	2.6
	Turlough Hill - TH1	73	92.24	2.95	4.81	0
	Turlough Hill - TH2	73	91.1	4.08	4.82	0
	Turlough Hill - TH3	73	95.75	1.32	2.93	0
	Turlough Hill - TH4	73	95.34	1.95	2.71	0
	West Offaly Power - WO4	137	95.86	1.31	2.83	0
Indaver	Indaver – IW1	16	88.35	6.42	5.23	0
Synergen	Dublin Bay - DB1	405	94.53	1.93	1.33	2.21
Tynagh Energy Ltd	Tynagh – TYC	384	94.99	2.63	0.27	2.11
Viridian Power & Energy	Huntstown - HN2	400	96.07	0.17	0.11	3.65
	Huntstown - HNC	342	96.02	0.04	0	3.94
System Total 365 Day Rolling Availability			**84.74**	**8.69**	**5.46**	**1.11**

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