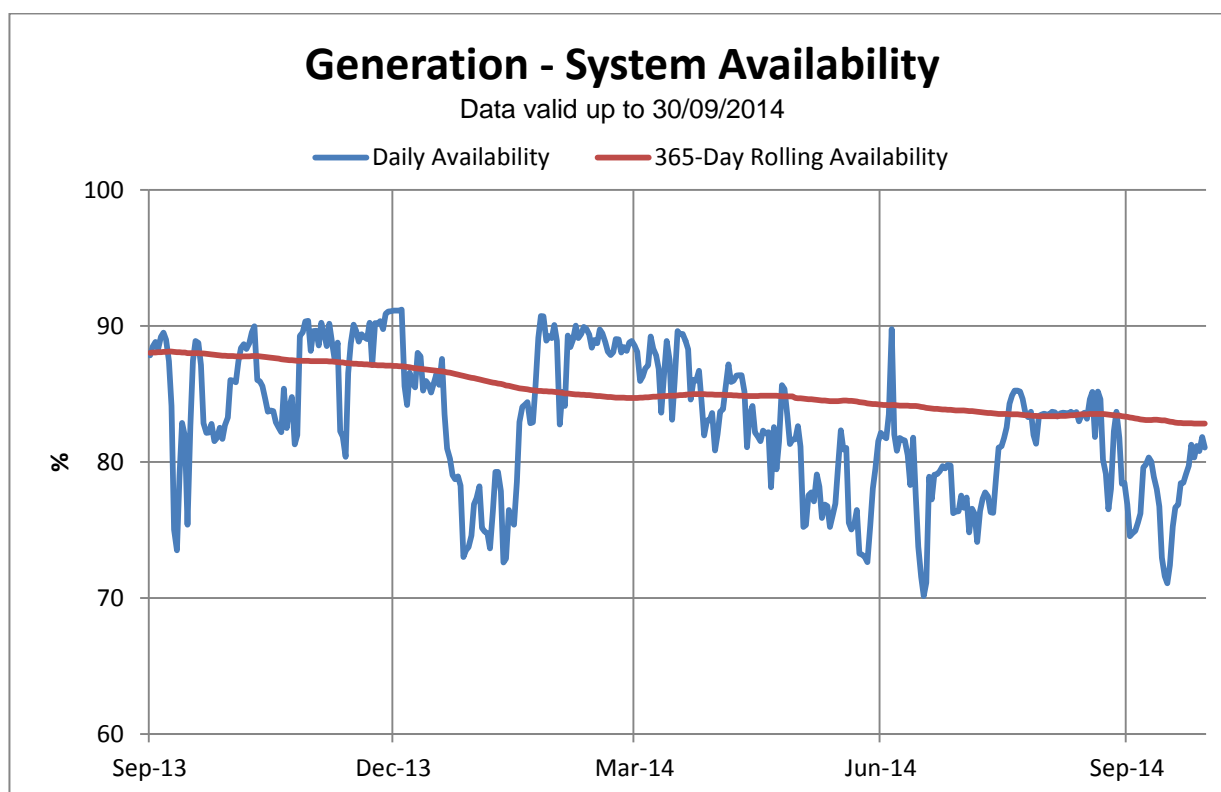


## EirGrid Monthly Availability Report – September 2014

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

### Key Points:

- The monthly forced outage rate increased from 6.84% in August to 8.66% in September.
- The monthly system availability decreased from 82.57% in August to 77.51% in September. The main scheduled outages in September were at Seal Rock SK4, Whitegate WG1, Great Island GI1 & GI2, Tarbert TB4, Aghada AD1, Ardnacrusha station, Erne ER2 & ER4, Moneypoint MP1 and Poolbeg PB4.
- The main forced outages in September were Great Island GI3, Ardnacrusha AA4, Erne ER1, Marina MRC, Moneypoint MP1 & MP3 and North Wall NWC.
- The 365-day rolling availability decreased from 83.35% in August to 82.81% in September.



### Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 1<sup>st</sup> September to 00:00 1<sup>st</sup> 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 2014

Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	87.32	1.96	0	10.72
	Seal Rock - SK4	85	74.98	2.63	15.61	6.78
Bord Gáis	Whitegate – WG1	444	0.71	3.24	96.05	0
Edenderry Power Ltd	Edenderry – ED1	118	99.8	0.2	0	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island - GI1	54	80.02	0	19.98	0
	Great Island - GI2	54	72.48	1.16	26.36	0
	Great Island - GI3	109	81.36	18.64	0	0
	Rhode – RP1	52	100	0	0	0
	Rhode – RP2	52	100	0	0	0
	Tarbert – TB1	54	100	0	0	0
	Tarbert – TB2	54	100	0	0	0
	Tarbert – TB3	241	100	0	0	0
	Tarbert – TB4	243	41.07	0	58.93	0
	Tawnaghmore - TP1	52	85.1	0.32	14.58	0
Tawnaghmore - TP3	52	84.81	14.3	0.89	0	
ESB Energy Ireland	Aghada - AD1	258	75.07	0.63	24.3	0
	Aghada - AD2	431	98.12	0	0	1.88
	Aghada - AT1	90	97.5	0.31	0.78	1.41
	Aghada - AT2	90	92.78	0	7	0.22
	Aghada - AT4	90	88.79	0	10.98	0.23
	Ardnacrusha - AA1	21	51.59	0.04	48.37	0
	Ardnacrusha - AA2	22	51.56	0	48.44	0
	Ardnacrusha - AA3	19	9.94	0.12	89.94	0
	Ardnacrusha - AA4	24	27.87	49.34	22.79	0
	Erne - ER1	10	80	20	0	0
	Erne - ER2	10	0	0	100	0
	Erne - ER3	22	95.71	0	4.29	0
	Erne - ER4	22	0	0	100	0
	Lee - LE1	15	100	0	0	0
	Lee - LE2	4	100	0	0	0
	Lee - LE3	8	100	0	0	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	100	0	0	0
	Lough Ree Power - LR4	91	99.72	0.28	0	0
	Marina - MRC	123	76.39	23.61	0	0
	Moneypoint - MP1	285	40.12	43.43	16.45	0
	Moneypoint - MP2	285	91.99	8.01	0	0
	Moneypoint - MP3	285	43.39	56.61	0	0
	North Wall - NW5	104	98.15	1.85	0	0
	North Wall – NWC	154	0	100	0	0
	Poolbeg - PB4	154	80.37	0	17.24	2.39
	Poolbeg - PB5	154	99.24	0	0	0.76
	Poolbeg - PB6	182	88.02	0.31	9.83	1.84
	Turlough Hill - TH1	73	100	0	0	0
	Turlough Hill - TH2	73	100	0	0	0
	Turlough Hill - TH3	73	99.81	0	0.19	0
Turlough Hill - TH4	73	100	0	0	0	
West Offaly Power - WO4	137	98.32	1.68	0	0	
Indaver	Indaver – IW1	16	99.35	0.51	0.14	0
Synergen	Dublin Bay - DB1	405	98.63	0.05	0.33	0.99
Tynagh Energy Ltd	Tynagh – TYC	384	94.52	0.44	0	5.04
Viridian Power & Energy	Huntstown - HN2	400	95.93	0	0	4.07
	Huntstown - HNC	342	95.9	0	0	4.1
<b>System Total Average Availability</b>			<b>77.51</b>	<b>8.66</b>	<b>12.58</b>	<b>1.25</b>

## Unit-by-Unit 365 Day Rolling Availability – September 2013 to September 2014

Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %	
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.78	1.8	1.38	8.04	
	Seal Rock - SK4	85	84.97	0.9	5.3	8.83	
Bord Gáis	Whitegate – WG1	444	69.33	10.92	18.86	0.89	
Edenderry Power Ltd	Edenderry – ED1	118	88.61	3.44	7.95	0	
	Edenderry – ED3	58	99.9	0	0.1	0	
	Edenderry – ED5	58	99.88	0.02	0.1	0	
SSE Generation Ireland	Great Island - GI1	54	97.91	0.01	2.08	0	
	Great Island - GI2	54	88.84	4.17	6.99	0	
	Great Island - GI3	109	97.58	1.99	0.43	0	
	Rhode – RP1	52	99.16	0.84	0	0	
	Rhode – RP2	52	99.81	0.19	0	0	
	Tarbert – TB1	54	99.64	0.36	0	0	
	Tarbert – TB2	54	99.67	0.03	0.3	0	
	Tarbert – TB3	241	97.19	1.34	1.47	0	
	Tarbert – TB4	243	73.75	0.19	26.06	0	
	Tawnaghmore - TP1	52	95.85	1.48	2.67	0	
	Tawnaghmore - TP3	52	96.86	2.07	1.07	0	
	ESB Energy Ireland	Aghada - AD1	258	86.36	11.64	2	0
		Aghada - AD2	431	83.8	1.24	13.35	1.61
Aghada - AT1		90	98.26	0.23	1.28	0.23	
Aghada - AT2		90	97.2	1.38	1.29	0.13	
Aghada - AT4		90	90.94	5.88	3.03	0.15	
Ardnacrusha - AA1		21	70.59	3.15	26.26	0	
Ardnacrusha - AA2		22	65.8	0.26	33.94	0	
Ardnacrusha - AA3		19	0.82	0.01	99.17	0	
Ardnacrusha - AA4		24	60.38	22.6	17.02	0	
Erne - ER1		10	72.68	24.62	2.7	0	
Erne - ER2		10	0	0	100	0	
Erne - ER3		22	71.41	15.74	12.85	0	
Erne - ER4		22	86.03	0.02	13.95	0	
Lee - LE1		15	91.24	1.78	6.98	0	
Lee - LE2		4	94.24	0.58	5.18	0	
Lee - LE3		8	93.64	1.24	5.12	0	
Liffey - LI1		15	94.25	2.08	3.67	0	
Liffey - LI2		15	95.32	0.21	4.47	0	
Liffey - LI4		4	99.24	0.03	0.73	0	
Liffey - LI5		4	96.73	0.16	3.11	0	
Lough Ree Power - LR4		91	87.05	1.91	11.04	0	
Marina - MRC		123	59.15	40.77	0.08	0	
Moneypoint - MP1		285	55.89	42.76	1.35	0	
Moneypoint - MP2		285	46.05	19.53	34.42	0	
Moneypoint - MP3		285	86.7	11.97	1.33	0	
North Wall - NW5		104	96.08	3.87	0	0.05	
North Wall – NWC		154	0	100	0	0	
Poolbeg - PB4		154	96.76	0.03	1.42	1.79	
Poolbeg - PB5		154	97.16	0.24	2.12	0.48	
Poolbeg - PB6		182	95.13	0.28	1.9	2.69	
Turlough Hill - TH1		73	87.56	2.54	9.9	0	
Turlough Hill - TH2		73	86.88	3.14	9.98	0	
Turlough Hill - TH3		73	89.29	1.02	9.69	0	
Turlough Hill - TH4		73	88.98	1.48	9.54	0	
West Offaly Power - WO4		137	90.55	0.73	8.72	0	
Indaver		Indaver – IW1	16	86.5	6.14	7.36	0
Synergen	Dublin Bay - DB1	405	93.95	1.58	3.51	0.96	
Tynagh Energy Ltd	Tynagh – TYC	384	94.97	0.98	1.84	2.21	
Viridian Power & Energy	Huntstown - HN2	400	94.06	0.08	2.53	3.33	
	Huntstown - HNC	342	96.22	0.07	0	3.71	
<b>System Total 365 Day Rolling Availability</b>			<b>82.81</b>	<b>8.86</b>	<b>7.28</b>	<b>1.05</b>	