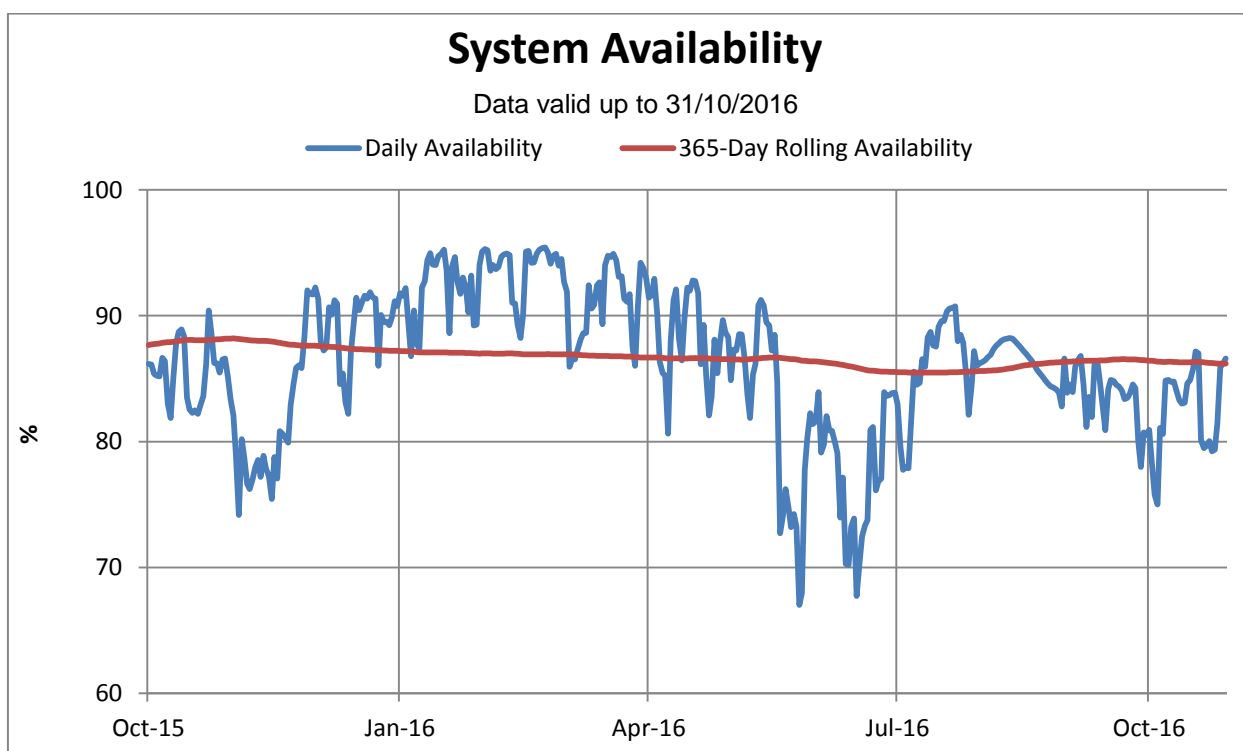


## EirGrid Monthly Availability Report – October 2016

This report for October 2016, details the availability performance of the conventional generation units on the power system<sup>1</sup>.

### Key Points:

- The monthly forced outage rate increased from 5.31% in September to 5.72% in October
- The monthly system availability decreased from 83.91% in September to 82.36% in October
- The monthly scheduled outage rate increased from 9.47% in September to 11.35% in October
- The 365-day rolling availability decreased slightly in October 2016



### Definitions

**Availability:** the capacity-weighted percentage of the time 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

Email: [info@eirgrid.com](mailto:info@eirgrid.com)

Email: [PSOP@eirgrid.com](mailto:PSOP@eirgrid.com)

[www.eirgridgroup.com](http://www.eirgridgroup.com)

<sup>1</sup> Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – October 2016

Unit-by-Unit Average Monthly Availability – October 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	82.77	1.08	11.89	4.26
	Seal Rock - SK4	85	92.53	2.29	0	5.18
Bord Gáis	Whitegate – WG1	444	99.54	0	0	0.46
Edenderry Power Ltd	Edenderry – ED1	118	78.34	21.66	0	0
	Edenderry – ED3	58	100	0	0	0
	Edenderry – ED5	58	100	0	0	0
SSE Generation Ireland	Great Island – GI4	461	59.09	0	40.86	0.05
	Rhode – RP1	52	96.11	3.89	0	0
	Rhode – RP2	52	92.36	7.64	0	0
	Tarbert – TB1	54	88.55	11.45	0	0
	Tarbert – TB2	54	93.96	6.04	0	0
	Tarbert – TB3	241	99.66	0.34	0	0
	Tarbert – TB4	243	100	0	0	0
	Tawnaghmore - TP1	52	0	0	100	0
Tawnaghmore - TP3	52	0	0	100	0	
ESB Energy Ireland	Aghada - AD1	258	100	0	0	0
	Aghada - AD2	431	99.77	0.15	0	0.08
	Aghada - AT1	90	100	0	0	0
	Aghada - AT2	90	100	0	0	0
	Aghada - AT4	90	74	0	26	0
	Ardnacrusha - AA1	21	75.45	3.26	21.29	0
	Ardnacrusha - AA2	22	75.78	3.06	21.16	0
	Ardnacrusha - AA3	19	72.79	5.91	21.3	0
	Ardnacrusha - AA4	24	59.8	13.01	27.19	0
	Erne - ER1	10	98.9	1.1	0	0
	Erne - ER2	10	87.35	12.65	0	0
	Erne - ER3	22	100	0	0	0
	Erne - ER4	22	100	0	0	0
	Lee - LE1	15	0	0	100	0
	Lee - LE2	4	0	0	100	0
	Lee - LE3	8	98.29	0.53	1.18	0
	Liffey - LI1	15	100	0	0	0
	Liffey - LI2	15	100	0	0	0
	Liffey - LI4	4	0	0	100	0
	Liffey - LI5	4	69.08	30.38	0.54	0
	Lough Ree Power - LR4	91	93.29	6.71	0	0
	Marina - MRC	123	98.95	0	0	1.05
	Moneypoint - MP1	285	93.14	6.86	0	0
	Moneypoint - MP2	285	99.73	0.27	0	0
	Moneypoint - MP3	285	98.21	1.79	0	0
	North Wall – NW5	104	100	0	0	0
	Poolbeg – PBA	231	96.74	3.26	0	0
Poolbeg - PBB	231	100	0	0	0	
Turlough Hill - TH1	73	92.79	7.21	0	0	
Turlough Hill - TH2	73	37.05	62.95	0	0	
Turlough Hill - TH3	73	100	0	0	0	
Turlough Hill - TH4	73	99.59	0.41	0	0	
West Offaly Power - WO4	137	97.13	2.87	0	0	
Indaver	Indaver – IW1	16	98.17	1.83	0	0
Synergen	Dublin Bay - DB1	405	0.35	0.01	99.64	0
Tynagh Energy Ltd	Tynagh – TYC	384	89.95	8.04	0	2.01
Viridian Power & Energy	Huntstown - HN2	400	96.76	0	0.06	3.18
	Huntstown - HNC	342	96.05	1.14	0.11	2.7
<b>System Total Average Availability</b>			<b>80.79</b>	<b>4.3</b>	<b>14.55</b>	<b>0.36</b>

**Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – October 2016**

Unit-by-Unit Average Monthly Availability – October 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	101	39.06	46.47	14.47	0
	Activation Energy 2 – AE2	11	73.57	25.73	0.7	0
	Activation Energy 3 – AE3	14	81.66	18.34	0	0
	Activation Energy 4 – AE4	11	36.3	60.9	2.8	0
	Activation Energy 5 – AE5	15	26.08	60.98	12.94	0
DAE VPP	DAE VPP – DP1	39	53.91	0	46.09	0
	DAE VPP – DP2	10	30.4	0	69.6	0
Endeco	Endeco 1 – EC1	34	68.2	0	31.8	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	20	51.73	36.82	11.45	0
	Electricity Exchange – EE2	18	81.22	8.37	10.41	0
Electric Ireland	Electric Ireland – EI1	20	85.38	1.62	13	0
Energy Trading Ireland	Energy Trading – ET1	11	95.06	4.94	0	0
Powerhouse	Powerhouse – PG1	7	85.13	14.87	0	0
Viridian Power & Energy	Viridian Energy – VE1	7	60.44	0.52	39.04	0
<b>System Total Average Availability</b>			<b>62.01</b>	<b>19.97</b>	<b>18.02</b>	<b>0</b>

**Table 3: System Total Average Monthly Availability – October 2016**

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>System Total Average Availability</b>	82.36	5.72	11.35	0.57

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – October 2015 to October 2016

Unit-by-Unit 365 Day Rolling Availability – October 2015 to October 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.28	1.66	2.84	6.22
	Seal Rock - SK4	85	84.46	1.36	9.07	5.11
Bord Gáis	Whitegate – WG1	444	90.75	1.53	6.82	0.9
Edenderry Power Ltd	Edenderry – ED1	118	86.44	10.31	3.25	0
	Edenderry – ED3	58	99.73	0.16	0.11	0
	Edenderry – ED5	58	99.71	0.18	0.11	0
SSE Generation Ireland	Great Island – GI4	461	80.19	11.14	7.48	1.19
	Rhode – RP1	52	96.82	3.16	0.02	0
	Rhode – RP2	52	98.98	1	0.02	0
	Tarbert – TB1	54	95.71	1.26	3.03	0
	Tarbert – TB2	54	98.75	0.84	0.41	0
	Tarbert – TB3	241	98.61	1.01	0.38	0
	Tarbert – TB4	243	94.16	5.68	0.16	0
	Tawnaghmore - TP1 Tawnaghmore - TP3	52 52	74.01 67.89	1.17 0.44	24.82 31.67	0 0
ESB Energy Ireland	Aghada - AD1	258	93.99	5.24	0.77	0
	Aghada - AD2	431	95.72	0.36	3.4	0.52
	Aghada - AT1	90	98.44	0.36	1.2	0
	Aghada - AT2	90	98.79	0.01	1.2	0
	Aghada - AT4	90	97.05	0.74	2.21	0
	Ardnacrusha - AA1	21	77.39	1.5	21.11	0
	Ardnacrusha - AA2	22	78.83	0.46	20.71	0
	Ardnacrusha - AA3	19	77.93	1.56	20.51	0
	Ardnacrusha - AA4	24	63.76	4.81	31.43	0
	Erne - ER1	10	59.08	0.88	40.04	0
	Erne - ER2	10	90.69	7.22	2.09	0
	Erne - ER3	22	92.81	0.71	6.48	0
	Erne - ER4	22	96.62	1.48	1.9	0
	Lee - LE1	15	40.11	1.91	57.98	0
	Lee - LE2	4	41.96	0	58.04	0
	Lee - LE3	8	94.59	0.17	5.24	0
	Liffey - LI1	15	64.59	1.72	33.69	0
	Liffey - LI2	15	68.74	5.71	25.55	0
	Liffey - LI4	4	26.2	0.6	73.2	0
	Liffey - LI5	4	95.88	2.93	1.19	0
	Lough Ree Power - LR4	91	90.61	5.41	3.98	0
	Marina - MRC	123	97.83	0.5	0.72	0.95
	Moneypoint - MP1	285	82.17	17.75	0.08	0
	Moneypoint - MP2	285	91.47	8.45	0.08	0
	Moneypoint - MP3	285	88.34	8.76	2.9	0
	North Wall – NW5	104	95.5	0.86	3.21	0.43
	Poolbeg – PBA	231	95.62	1.39	2.97	0.02
	Poolbeg - PBB	231	83.26	7.37	9.36	0.01
	Turlough Hill - TH1	73	94.8	0.62	4.58	0
	Turlough Hill - TH2	73	88.99	6.53	4.48	0
Turlough Hill - TH3	73	96.18	0.39	3.43	0	
Turlough Hill - TH4	73	96.29	0.19	3.52	0	
West Offaly Power - WO4	137	85.87	4.92	9.21	0	
Indaver	Indaver – IW1	16	86.02	13.98	0	0
Synergen	Dublin Bay - DB1	405	83.13	0.5	15.24	1.13
Tynagh Energy Ltd	Tynagh – TYC	384	93.89	1.87	1.62	2.62
Viridian Power & Energy	Huntstown - HN2	400	86.75	0.98	8.94	3.33
	Huntstown - HNC	342	86.88	0.62	8.78	3.72
<b>System Total Average Availability</b>			<b>85.51</b>	<b>3.03</b>	<b>10.97</b>	<b>0.49</b>

\*PBA and PBB effective in the SEM since 24<sup>th</sup> May 2016

**Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – October 2015 to October 2016**

Unit-by-Unit Average Monthly Availability – October 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	101	44.91	41	14.09	0
	Activation Energy 2 – AE2	11	70.01	29.77	0.22	0
	Activation Energy 3 – AE3	14	88.11	5.03	6.86	0
	Activation Energy 4 – AE4	11	83.14	13.34	3.52	0
	Activation Energy 5 – AE5	15	14.94	76.6	8.46	0
DAE VPP	DAE VPP – DP1	39	43.45	39.86	16.69	0
	DAE VPP – DP2	10	8.33	0	91.67	0
Endeco	Endeco 1 – EC1	34	69.72	0.02	30.26	0
Electricity Exchange Ltd.	Electricity Exchange – EE1	20	62.35	28.49	9.16	0
	Electricity Exchange – EE2	18	25.07	13.81	61.12	0
Electric Ireland	Electric Ireland – EI1	20	79.3	6.73	13.97	0
Energy Trading Ireland	Energy Trading – ET1	11	81.71	18.29	0	0
Powerhouse	Powerhouse – PG1	7	81.01	18.99	0	0
Viridian Power & Energy	Viridian Energy – VE1	7	51.32	0.07	48.61	0
<b>System Total Average Availability</b>			<b>57.39</b>	<b>20.86</b>	<b>21.76</b>	<b>0</b>

\*Figures are reflective since AE4 and AE5 became effective in the SEM on 10/05/16 and 12/04/16 respectively

**Table 6: 365 Day Rolling System Total Average Availability – October 2015 to October 2016**

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>System Total Average Availability</b>	86.15	6.97	5.97	0.91