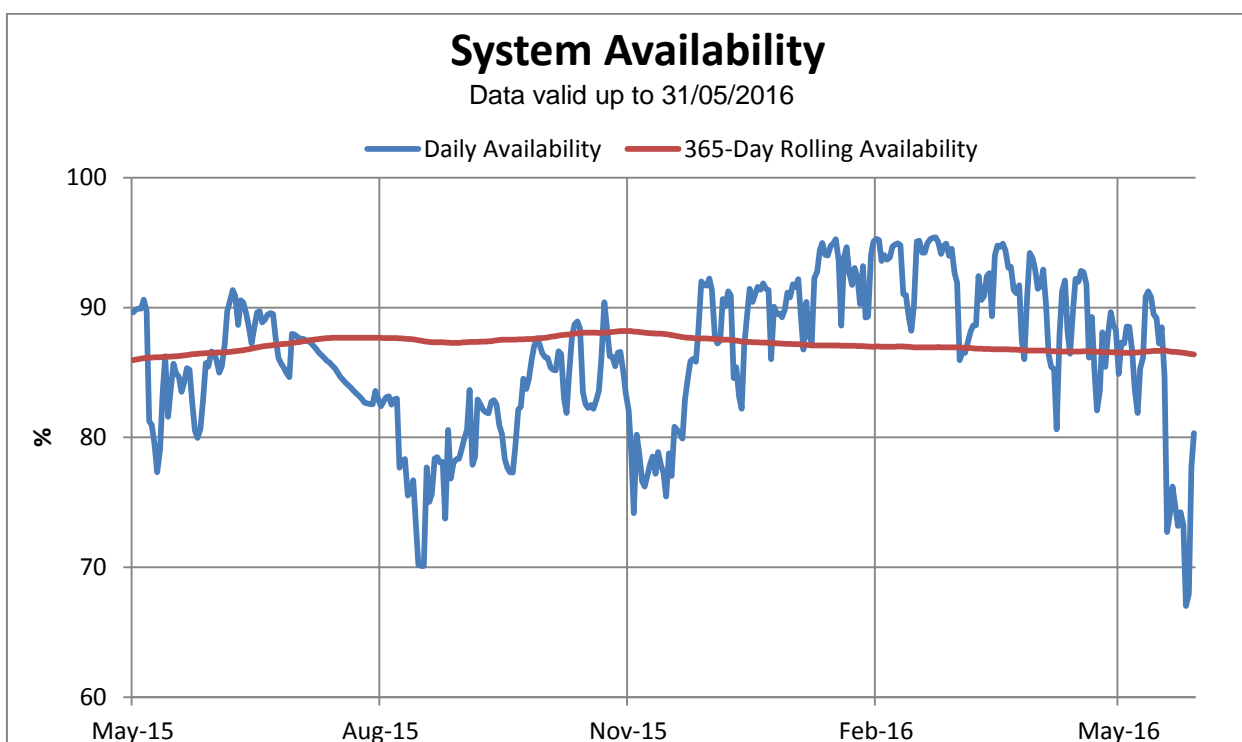


## EirGrid Monthly Availability Report – May 2016

This report for May 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 6.71% in April to 10.67% in May.
- The monthly system availability decreased from 88.84% in April to 82.43% in May.
- The 365-day rolling availability decreased slightly in May 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

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

Table 1: Unit-by-Unit Average Monthly Availability – May 2016

Unit-by-Unit Average Monthly Availability – May 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	74.56	11.38	8.58	5.48
	Seal Rock - SK4	85	85.51	4.98	5.05	4.46
Bord Gáis	Whitegate – WG1	444	83.10	2.44	13.23	1.23
Edenderry Power Ltd	Edenderry – ED1	118	95.95	4.05	0.00	0.00
	Edenderry – ED3	58	98.21	1.79	0.00	0.00
	Edenderry – ED5	58	99.15	0.85	0.00	0.00
SSE Generation Ireland	Great Island – GI4	461	69.43	29.11	0.00	1.46
	Rhode – RP1	52	99.86	0.14	0.00	0.00
	Rhode – RP2	52	100.00	0.00	0.00	0.00
	Tarbert – TB1	54	100.00	0.00	0.00	0.00
	Tarbert – TB2	54	100.00	0.00	0.00	0.00
	Tarbert – TB3	241	100.00	0.00	0.00	0.00
	Tarbert – TB4	243	62.74	37.26	0.00	0.00
	Tawnaghmore - TP1 Tawnaghmore - TP3	52 52	98.99 74.20	1.01 0.00	0.00 25.80	0.00 0.00
ESB Energy Ireland	Aghada - AD1	258	90.93	0.00	9.07	0.00
	Aghada - AD2	431	99.56	0.00	0.00	0.44
	Aghada - AT1	90	99.99	0.00	0.00	0.01
	Aghada - AT2	90	99.99	0.00	0.00	0.01
	Aghada - AT4	90	98.96	1.03	0.00	0.01
	Ardnacrusha - AA1	21	64.20	0.00	35.80	0.00
	Ardnacrusha - AA2	22	52.99	0.69	46.32	0.00
	Ardnacrusha - AA3	19	64.35	0.00	35.65	0.00
	Ardnacrusha - AA4	24	64.18	0.10	35.72	0.00
	Erne - ER1	10	100.00	0.00	0.00	0.00
	Erne - ER2	10	99.89	0.11	0.00	0.00
	Erne - ER3	22	100.00	0.00	0.00	0.00
	Erne - ER4	22	100.00	0.00	0.00	0.00
	Lee - LE1	15	0.00	0.00	100.00	0.00
	Lee - LE2	4	0.00	0.00	100.00	0.00
	Lee - LE3	8	100.00	0.00	0.00	0.00
	Liffey - LI1	15	26.52	0.36	73.12	0.00
	Liffey - LI2	15	36.58	0.00	63.42	0.00
	Liffey - LI4	4	0.00	0.00	100.00	0.00
	Liffey - LI5	4	100.00	0.00	0.00	0.00
	Lough Ree Power - LR4	91	43.83	12.65	43.52	0.00
	Marina - MRC	123	98.95	0.00	0.00	1.05
	Moneypoint - MP1	285	84.91	15.09	0.00	0.00
	Moneypoint - MP2	285	51.64	48.00	0.36	0.00
	Moneypoint - MP3	285	55.22	10.64	34.14	0.00
	North Wall – NW5	104	63.18	0.00	36.82	0.00
	Poolbeg – PBA	231	99.95	0.05	0.00	0.00
	Poolbeg - PBB	231	100.00	0.00	0.00	0.00
	Turlough Hill - TH1	73	98.78	0.00	1.22	0.00
	Turlough Hill - TH2	73	98.83	0.02	1.15	0.00
Turlough Hill - TH3	73	98.78	0.00	1.22	0.00	
Turlough Hill - TH4	73	98.85	0.00	1.15	0.00	
West Offaly Power - WO4	137	98.27	1.73	0.00	0.00	
Indaver	Indaver – IW1	16	25.54	74.46	0.00	0.00
Synergen	Dublin Bay - DB1	405	99.07	0.00	0.00	0.93
Tynagh Energy Ltd	Tynagh – TYC	384	97.02	0.00	0.00	2.98
Viridian Power & Energy	Huntstown - HN2	400	95.56	0.00	0.00	4.44
	Huntstown - HNC	342	95.28	0.00	0.00	4.72
<b>System Total Average Availability</b>			<b>82.43</b>	<b>10.67</b>	<b>5.85</b>	<b>1.05</b>

Whilst it strives to ensure as high a level of accuracy as possible, EirGrid makes no warranties or representations of any kind with respect to the content of this report (including without limitation its quality, accuracy, and completeness.) and EirGrid accepts no liability for any reliance on the information presented here.

Table 2: Unit-by-Unit 365 Day Rolling Availability – May 2015 to May 2016

Unit-by-Unit 365 Day Rolling Availability – May 2015 to May 2016						
Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	88.92	3.15	1.49	6.44
	Seal Rock - SK4	85	90.83	1.27	2.36	5.54
Bord Gáis	Whitegate – WG1	444	93.58	1.93	3.69	0.80
Edenderry Power Ltd	Edenderry – ED1	118	81.67	15.09	3.24	81.67
	Edenderry – ED3	58	99.21	0.15	0.64	99.21
	Edenderry – ED5	58	98.94	0.18	0.88	98.94
SSE Generation Ireland	Great Island – GI4	461	81.72	11.92	5.81	0.55
	Rhode – RP1	52	93.51	2.83	3.66	0.00
	Rhode – RP2	52	96.00	0.34	3.66	0.00
	Tarbert – TB1	54	59.40	0.00	40.60	0.00
	Tarbert – TB2	54	64.85	0.26	34.89	0.00
	Tarbert – TB3	241	98.15	0.34	1.51	0.00
	Tarbert – TB4	243	95.35	4.65	0.00	0.00
	Tawnaghmore - TP1	52	97.13	1.17	1.70	0.00
Tawnaghmore - TP3	52	97.29	0.44	2.27	0.00	
ESB Energy Ireland	Aghada - AD1	258	93.83	5.40	0.77	0.00
	Aghada - AD2	431	96.60	0.21	2.53	0.66
	Aghada - AT1	90	96.56	0.37	3.04	0.03
	Aghada - AT2	90	96.33	0.40	3.03	0.24
	Aghada - AT4	90	95.41	1.02	3.52	0.05
	Ardnacrusha - AA1	21	75.73	0.75	23.52	0.00
	Ardnacrusha - AA2	22	67.90	1.03	31.07	0.00
	Ardnacrusha - AA3	19	74.22	1.31	24.47	0.00
	Ardnacrusha - AA4	24	68.55	3.93	27.52	0.00
	Erne - ER1	10	19.00	0.16	80.84	0.00
	Erne - ER2	10	93.04	3.91	3.05	0.00
	Erne - ER3	22	98.03	0.70	1.27	0.00
	Erne - ER4	22	96.71	1.48	1.81	0.00
	Lee - LE1	15	69.34	1.93	28.73	0.00
	Lee - LE2	4	83.23	0.57	16.20	0.00
	Lee - LE3	8	99.47	0.23	0.30	0.00
	Liffey - LI1	15	24.23	1.42	74.35	0.00
	Liffey - LI2	15	28.69	5.11	66.20	0.00
	Liffey - LI4	4	26.20	0.60	73.20	0.00
	Liffey - LI5	4	97.34	0.34	2.32	0.00
	Lough Ree Power - LR4	91	91.69	2.50	5.81	0.00
	Marina - MRC	123	86.89	0.65	11.65	0.81
	Moneypoint - MP1	285	87.01	12.35	0.64	0.00
	Moneypoint - MP2	285	66.70	10.54	22.76	0.00
	Moneypoint - MP3	285	87.02	10.08	2.90	0.00
	North Wall – NW5	104	89.89	4.60	5.03	0.48
	Poolbeg - PBA	231	99.95	0.05	0.00	0.00
	Poolbeg - PBB	231	100.00	0.00	0.00	0.00
	Turlough Hill - TH1	73	96.72	0.06	3.22	0.00
	Turlough Hill - TH2	73	96.28	0.60	3.12	0.00
Turlough Hill - TH3	73	96.97	0.55	2.48	0.00	
Turlough Hill - TH4	73	97.58	0.07	2.35	0.00	
West Offaly Power - WO4	137	92.18	2.03	5.79	0.00	
Indaver	Indaver – IW1	16	88.25	11.75	0.00	0.00
Synergen	Dublin Bay - DB1	405	96.66	0.52	1.94	0.88
Tynagh Energy Ltd	Tynagh – TYC	384	97.30	0.16	0.12	2.42
Viridian Power & Energy	Huntstown - HN2	400	94.64	1.04	0.99	3.33
	Huntstown - HNC	342	92.39	0.44	3.75	3.42
<b>System Total 365 Day Rolling Availability</b>			<b>87.4</b>	<b>6.66</b>	<b>5.04</b>	<b>0.9</b>

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