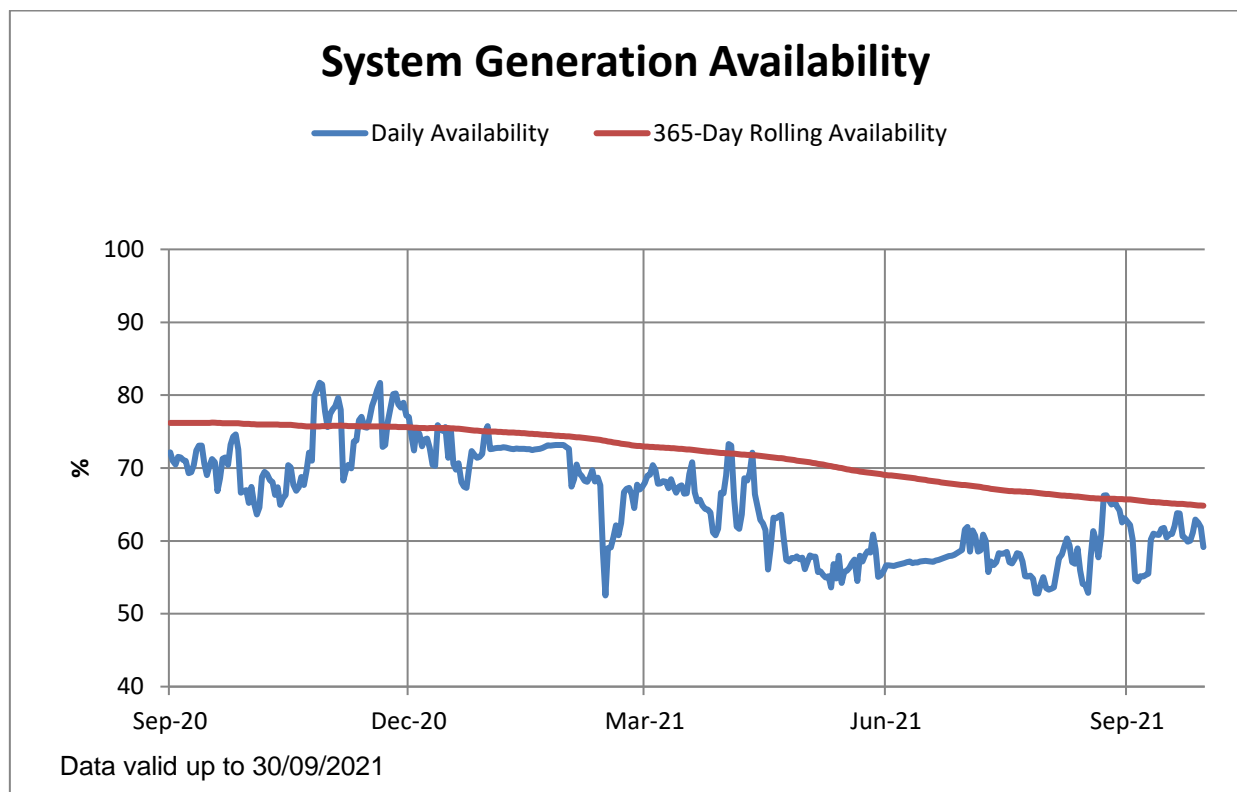


# EirGrid Monthly Availability Report – September 2021

Availability report for September 2021<sup>1</sup>



#### 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 Conventional Units – September 2021**

Unit-by-Unit Average Monthly Availability – September 2021						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	90.14	0.00	0.00	9.86
	Seal Rock - SK4	85	91.13	0.00	0.00	8.87
Bord Gáis	Whitegate - WG1	444	0.00	100.00	0.00	0.00
Dublin Waste to Energy	DWTE - DW1	61.5	96.46	3.54	0.00	0.00
ESB Energy Ireland	Aghada - AD2	431	98.89	0.59	0.00	0.52
	Aghada - AT1	90	98.22	0.11	1.67	0.00
	Aghada - AT2	90	17.52	0.00	82.48	0.00
	Aghada - AT4	90	99.94	0.00	0.00	0.06
	Ardnacrusha - AA1	21	100.00	0.00	0.00	0.00
	Ardnacrusha - AA2	22	100.00	0.00	0.00	0.00
	Ardnacrusha - AA3	19	8.82	0.00	91.18	0.00
	Ardnacrusha - AA4	24	87.46	12.54	0.00	0.00
	Erne - ER1	10	100.00	0.00	0.00	0.00
	Erne - ER2	10	100.00	0.00	0.00	0.00
	Erne - ER3	22	99.00	1.00	0.00	0.00
	Erne - ER4	22	84.73	0.00	15.27	0.00
	Lee - LE1	15	78.46	21.54	0.00	0.00
	Lee - LE2	4	99.12	0.88	0.00	0.00
	Lee - LE3	8	57.77	0.00	42.23	0.00
	Liffey - LI1	15	0.00	100.00	0.00	0.00
	Liffey - LI2	15	0.00	100.00	0.00	0.00
	Liffey - LI4	4	47.92	0.00	52.08	0.00
	Liffey - LI5	4	22.36	47.01	30.63	0.00
	Moneypoint - MP1	285	60.86	8.86	30.28	0.00
	Moneypoint - MP2	285	74.06	25.94	0.00	0.00
	Moneypoint - MP3	285	94.37	5.63	0.00	0.00
	North Wall - NW5	104	0.00	0.00	100.00	0.00
	Poolbeg - PBA	231	9.16	5.01	85.83	0.00
	Poolbeg - PBB	231	58.08	38.17	3.75	0.00
	Turlough Hill - TH1	73	99.58	0.00	0.42	0.00
	Turlough Hill - TH2	73	97.06	2.94	0.00	0.00
	Turlough Hill - TH3	73	100.00	0.00	0.00	0.00
	Turlough Hill - TH4	73	99.71	0.00	0.29	0.00
	Edenderry Power Ltd	Edenderry - ED1	118	94.36	5.64	0.00
Edenderry - ED3		58	98.24	0.20	1.56	0.00
Edenderry - ED5		58	98.44	0.00	1.56	0.00
SSE Generation Ireland	Great Island - GI4	461	0.00	0.00	0.00	0.00
	Rhode - RP1	52	76.19	1.18	19.43	3.20
	Rhode - RP2	52	95.74	4.26	0.00	0.00
	Tarbert - TB1	54	96.56	3.44	0.00	0.00
	Tarbert - TB2	54	28.92	71.08	0.00	0.00
	Tarbert - TB3	241	45.42	54.58	0.00	0.00
	Tarbert - TB4	243	35.96	2.43	61.61	0.00
	Tawnaghmore - TP1	52	0.00	100.00	0.00	0.00
Tawnaghmore - TP3	52	81.12	18.88	0.00	0.00	
Indaver	Indaver - IW1	16	99.35	0.65	0.00	0.00
Synergen	Dublin Bay - DB1	405	73.33	26.67	0.00	0.00
Tynagh Energy Ltd	Tynagh - TYC	384	99.38	0.00	0.00	0.62
Viridian	Huntstown - HN2	400	91.36	0.06	0.00	8.58
	Huntstown - HNC	342	0.00	100.00	0.00	0.00

**Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – September 2021**

Unit-by-Unit Average Monthly Availability – September 2021					
Company	Unit	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Activation Energy	Activation Energy 1 – AE1	12.02	80.23	7.75	0
	Activation Energy 2 – AE2	45.26	52.95	1.79	0
	Activation Energy 3 – AE3	61.48	38.52	0	0
	Activation Energy 4 – AE4	0	100	0	0
	Activation Energy 5 – AE5	0	100	0	0
	Enernoc 1 - EN1	6.71	90.18	3.11	0
	Enernoc 2 - EN2	0	100	0	0
	Enernoc 3-EN3	23.08	73.2	3.72	0
	Enernoc 4-EN4	0	100	0	0
	Enernoc 5-EN5	16.82	63.34	19.84	0
	Enernoc 6-EN6	40.6	56.68	2.72	0
	Enernoc 8-EN8	58.25	40.52	1.23	0
	Enernoc 9-EN9	85.01	14.99	0	0
DAE VPP	DAE VPP – DP1	42.93	1.92	55.15	0
	DAE VPP – DP2	23.23	0	76.77	0
Electricity Exchange Ltd	Electricity Exchange – EE1	32.56	0	67.44	0
	Electricity Exchange – EE2	28.58	0	71.42	0
	Electricity Exchange – EE3	16.03	0	83.97	0
	Electricity Exchange – EE4	19.07	0	80.93	0
	Electricity Exchange – EE5	59.4	0	40.6	0
	Electricity Exchange – EE6	57.28	0	42.72	0
	Electricity Exchange – EE7	57.15	0.58	42.27	0
Electric Ireland	Electric Ireland – EI1	5.95	0	94.05	0
Endeco	Endeco 1 – EC1	38.41	0	61.59	0
	Endeco 2 – EC2	16.42	0	83.58	0
	Endeco 5 – EC5	45.88	0	54.12	0
Energy Trading Ireland	Energy Trading – ET1	20	80	0	0
Powerhouse	Powerhouse – PG1	25.72	74.28	0	0
Viridian	Viridian Energy – VE1	14.47	0	85.53	0
	Viridian Energy – VE2	0	0	100	0

**Table 3: System Total Average Monthly Availability – September 2021**

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
<b>System Total Average Availability</b>	60.07	25.12	13.6	1.21

**Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – September 2020 to September 2021**

Unit-by-Unit 365 Day Rolling Availability – September 2021						
Company	Unit	Capacity	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	85.14	1.71	7.49	5.66
	Seal Rock - SK4	85	90.15	2.20	3.35	4.30
Bord Gáis	Whitegate - WG1	444	16.71	82.95	0.00	0.34
Dublin Waste to Energy	DWTE - DW1	61.5	84.05	12.33	3.62	0.00
ESB Energy Ireland	Aghada - AD2	431	90.23	4.06	5.46	0.25
	Aghada - AT1	90	93.14	1.75	5.11	0.00
	Aghada - AT2	90	83.69	1.37	14.94	0.00
	Aghada - AT4	90	89.74	8.48	1.77	0.01
	Ardnacrusha - AA1	21	98.18	1.82	0.00	0.00
	Ardnacrusha - AA2	22	93.72	0.42	5.86	0.00
	Ardnacrusha - AA3	19	85.06	0.49	14.45	0.00
	Ardnacrusha - AA4	24	42.43	54.66	2.91	0.00
	Erne - ER1	10	92.33	2.10	5.57	0.00
	Erne - ER2	10	93.62	1.80	4.58	0.00
	Erne - ER3	22	92.53	0.99	6.48	0.00
	Erne - ER4	22	94.72	2.76	2.52	0.00
	Lee - LE1	15	63.30	28.49	8.21	0.00
	Lee - LE2	4	69.52	16.68	13.80	0.00
	Lee - LE3	8	63.76	11.80	24.44	0.00
	Liffey - LI1	15	47.14	45.27	7.59	0.00
	Liffey - LI2	15	51.92	40.49	7.59	0.00
	Liffey - LI4	4	94.46	1.15	4.39	0.00
	Liffey - LI5	4	63.20	34.28	2.52	0.00
	Moneypoint - MP1	285	77.01	17.20	5.79	0.00
	Moneypoint - MP2	285	45.65	54.35	0.00	0.00
	Moneypoint - MP3	285	72.75	27.16	0.09	0.00
	North Wall - NW5	104	0.00	0.00	100.00	0.00
	Poolbeg - PBA	231	82.70	5.56	11.61	0.13
	Poolbeg - PBB	231	88.93	6.87	4.02	0.18
	Turlough Hill - TH1	73	92.65	2.42	4.93	0.00
	Turlough Hill - TH2	73	92.80	2.31	4.89	0.00
	Turlough Hill - TH3	73	94.90	0.57	4.53	0.00
Turlough Hill - TH4	73	94.80	0.61	4.59	0.00	
Edenderry Power Ltd	Edenderry - ED1	118	86.01	3.79	10.20	0.00
	Edenderry - ED3	58	99.73	0.02	0.25	0.00
	Edenderry - ED5	58	99.73	0.00	0.27	0.00
SSE Generation Ireland	Great Island - GI4	461	88.77	0.32	9.48	1.43
	Rhode - RP1	52	85.59	2.07	12.34	0.00
	Rhode - RP2	52	91.77	1.63	6.60	0.00
	Tarbert - TB1	54	82.53	9.21	8.26	0.00
	Tarbert - TB2	54	83.76	10.72	5.52	0.00
	Tarbert - TB3	241	69.02	17.82	13.16	0.00
	Tarbert - TB4	243	40.46	59.54	0.00	0.00
	Tawnaghmore - TP1	52	87.51	5.00	7.49	0.00
Tawnaghmore - TP3	52	87.68	4.83	7.49	0.00	
Indaver	Indaver - IW1	16	79.03	10.00	10.97	0.00
Synergen	Dublin Bay - DB1	405	68.17	1.80	29.95	0.08
Tynagh Energy Ltd	Tynagh - TYC	384	84.30	2.20	8.94	4.56
Viridian	Huntstown - HN2	400	31.70	54.88	12.54	0.88
	Huntstown - HNC	342	80.40	0.51	15.42	3.67

**Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – September 2020 to September 2021**

Unit-by-Unit 365 Day Rolling Availability – September 2021					
Company	Unit	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
Activation Energy	Activation Energy 1 – AE1	15.36	78.56	6.08	0
	Activation Energy 2 – AE2	32.77	56.73	10.5	0
	Activation Energy 3 – AE3	59.07	40.88	0.05	0
	Activation Energy 4 – AE4	7	92.98	0.02	0
	Activation Energy 5 – AE5	14.24	85.76	0	0
	Enernoc 1-EN1	19.05	80.69	0.26	0
	Enernoc 2-EN2	10.75	89.25	0	0
	Enernoc3-EN3	26.77	72.92	0.31	0
	Enernoc 4-EN4	7.54	92.46	0	0
	Enernoc 5-EN5	17.17	80.31	2.52	0
	Enernoc 6-EN6	41.38	38.78	19.84	0
	Enernoc 8-EN8	47.85	49.78	2.37	0
	Enernoc 9-EN9	51.44	29.35	19.21	0
DAE VPP	DAE VPP – DP1	51.38	0.19	48.43	0
	DAE VPP – DP2	27.3	0.79	71.91	0
Electricity Exchange Ltd	Electricity Exchange – EE1	36.84	0.04	63.12	0
	Electricity Exchange – EE2	23.95	0	76.05	0
	Electricity Exchange – EE3	17.83	0	82.17	0
	Electricity Exchange – EE4	17.13	0	82.87	0
	Electricity Exchange – EE5	47.96	0.01	52.03	0
	Electricity Exchange – EE6	53.84	0	46.16	0
	Electricity Exchange – EE7	51.39	0.05	48.56	0
Electric Ireland	Electric Ireland – EI1	37.63	0	62.37	0
Endeco	Endeco 1 – EC1	37.39	0.05	62.56	0
	Endeco 2 – EC2	20.84	0.21	78.95	0
	Endeco 5 – EC5	45.23	0.02	54.75	0
Energy Trading Ireland	Energy Trading – ET1	2.97	97.03	0	0
Powerhouse	Powerhouse – PG1	23.07	76.93	0	0
Viridian	Viridian Energy – VE1	14.04	0	85.96	0
	Viridian Energy – VE2	1.05	0	98.95	0

**Table 6: 365 Day Rolling System Total Average Availability – September 2020 to September 2021**

	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
<b>System Total Average Availability</b>	65.58	22	11.69	0.73

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