

EirGrid Monthly Availability Report – December 2022¹

Definitions

Availability: The maximum generation of electricity which generators can achieve during that period.

Forced: Any reduction in availability not approved in advance with the EirGrid Generation Outage Planning Team (including trips, outage overruns, urgent repairs, partial outages etc.).

Scheduled: Scheduled generator outage approved by Eirgrid Generation Outage Planning Team.

Ambient: Reduction in generator availability due to ambient temperature conditions.

Forced Outage Rate (FOR): $\text{Forced \%} / (100\% - \text{Scheduled \%})$

HOW TO CONTACT US

General Queries

Email: info@eirgrid.com

Email: OutagePlanning@eirgrid.com

www.eirgridgroup.com

¹ Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – December 2022

Unit-by-Unit Average Monthly Availability – December 2022							
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %	
Aughinish Alumina Ltd	Seal Rock - SK3	83	90.6	7.5	0.0	1.9	
	Seal Rock - SK4	83	91.2	7.4	0.0	1.5	
Bord Gáis	Whitegate - WG1	444	98.8	0.0	0.0	1.3	
Dublin Waste to Energy	DWTE - DW1	62	96.3	3.7	0.0	0.0	
ESB Energy Ireland	Aghada - AD2	449	98.1	0.4	0.0	1.5	
	Aghada - AT1	90	99.5	0.5	0.0	0.0	
	Aghada - AT2	90	94.3	4.9	0.0	0.9	
	Aghada - AT4	90	100.0	0.0	0.0	0.0	
	Ardnacrusha - AA1	21	98.8	0.2	1.0	0.0	
	Ardnacrusha - AA2	22	98.7	1.3	0.0	0.0	
	Ardnacrusha - AA3	19	99.1	0.7	0.1	0.0	
	Ardnacrusha - AA4	24	0.0	32.8	67.2	0.0	
	Erne - ER1	10	99.8	0.2	0.0	0.0	
	Erne - ER2	10	97.6	2.4	0.0	0.0	
	Erne - ER3	23	100.0	0.0	0.0	0.0	
	Erne - ER4	23	100.0	0.0	0.0	0.0	
	Lee - LE1	15	99.8	0.2	0.0	0.0	
	Lee - LE2	4	90.0	10.0	0.0	0.0	
	Lee - LE3	8	98.3	1.7	0.0	0.0	
	Liffey - LI1	15	100.0	0.0	0.0	0.0	
	Liffey - LI2	15	99.7	0.3	0.0	0.0	
	Liffey - LI4	4	99.7	0.3	0.0	0.0	
	Liffey - LI5	4	100.0	0.0	0.0	0.0	
	Moneypoint - MP1	285	78.6	21.5	0.0	0.0	
	Moneypoint - MP2	285	55.3	44.7	0.0	0.0	
	Moneypoint - MP3	285	78.6	21.4	0.0	0.0	
	Poolbeg - PBA	232	78.0	22.0	0.0	0.0	
	Poolbeg - PBB	232	89.1	0.0	10.9	0.0	
	Turlough Hill - TH1	73	99.1	0.9	0.0	0.0	
	Turlough Hill - TH2	73	99.1	0.9	0.0	0.0	
	Turlough Hill - TH3	73	98.8	1.2	0.0	0.0	
	Turlough Hill - TH4	73	99.1	1.0	0.0	0.0	
	Edenderry Power Ltd	Edenderry - ED1	118	68.9	31.1	0.0	0.0
		Edenderry - ED3	58	98.9	1.1	0.0	0.0
		Edenderry - ED5	58	99.1	0.9	0.0	0.0
	SSE Generation Ireland	Great Island - GI4	464	98.8	0.5	0.0	0.7
Rhode - RP1		52	100.0	0.0	0.0	0.0	
Rhode - RP2		52	100.0	0.0	0.0	0.0	
Tarbert - TB1		54	0.0	100.0	0.0	0.0	
Tarbert - TB2		54	0.0	100.0	0.0	0.0	
Tarbert - TB3		241	50.8	49.2	0.0	0.0	
Tarbert - TB4		241	0.0	100.0	0.0	0.0	
Tawnaghmore - TP1		52	100.0	0.0	0.0	0.0	
Tawnaghmore - TP3	52	100.0	0.0	0.0	0.0		
Indaver	Indaver - IW1	17	89.1	10.9	0.0	0.0	
Synergen	Dublin Bay - DB1	415	97.2	1.5	0.0	1.3	
Tynagh Energy Ltd	Tynagh - TYC	404	95.1	1.8	0.0	3.1	
Viridian	Huntstown - HN2	402	99.3	0.0	0.0	0.7	
	Huntstown - HNC	342	96.9	0.0	0.0	3.1	

Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – December 2022

Unit-by-Unit Average Monthly Availability – December 2022			
Company	Unit	Capacity	Monthly Availability %
Enel X	Enel X – AE1	87	10.9
	Enel X – AE2	13	31.1
	Enel X – AE3	14	26.5
	Enel X – AE4	16	17.4
	Enel X – AE5	16	0.0
	Enel X - EN1	16	14.4
	Enel X - EN2	17	17.0
	Enel X - EN3	17	26.9
	Enel X - EN4	16	28.5
	Enel X - EN5	6	5.4
	Enel X - EN6	11	38.6
	Enel X - EN8	24	31.5
	Enel X - EN9	16	51.3
	Enel X - EX1	21	4.8
DAE VPP	DAE VPP – DP1 ²	5	0.0
	DAE VPP – DP2	30	13.1
	DAE VPP – DP3	9	0.0
Electricity Exchange Ltd	Electricity Exchange – EE1	65	17.1
	Electricity Exchange – EE2	30	8.2
	Electricity Exchange – EE3	11	11.6
	Electricity Exchange – EE4	13	7.0
	Electricity Exchange – EE5	17	50.5
	Electricity Exchange – EE6	14	32.5
	Electricity Exchange – EE7	7	28.2
	Electricity Exchange – EE8	12	8.3
	Electricity Exchange – EE9	11	22.1
Electric Ireland	Electric Ireland – EI1	17	17.7
Endeco	Endeco 1 – EC1	52	20.4
	Endeco 2 – EC2	12	32.0
	Endeco 3 – EC3	5	34.0
	Endeco 4 - EC4	5	48.0
	Endeco 5 – EC5	21	20.9
Energy Trading Ireland	Energy Trading – ET1	5	0.0
Powerhouse	Powerhouse – PG1	10	25.6

Table 3: System Total Average Monthly Availability – December 2022

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %	Monthly FOR
Conventional Total Average Availability	84.9	13.6	0.7	0.8	13.7
DSU Total Average Availability	18.1	N/A	N/A	N/A	N/A

² DP1 Capacity decreased from 13MW to 5MW

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – January 2022 to December 2022

Unit-by-Unit Average Monthly Availability – December 2022							
Company	Unit	Capacity	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %	
Aughinish Alumina Ltd	Seal Rock - SK3	83	88.7	5.2	1.6	4.5	
	Seal Rock - SK4	83	89.5	5.4	1.2	3.9	
Bord Gáis	Whitegate - WG1	444	91.2	3.5	3.3	2.0	
Dublin Waste to Energy	DWTE - DW1	62	88.9	9.6	1.4	0.0	
ESB Energy Ireland	Aghada - AD2	449	75.5	13.3	9.5	1.6	
	Aghada - AT1	90	96.6	3.1	0.0	0.3	
	Aghada - AT2	90	95.4	4.0	0.0	0.6	
	Aghada - AT4	90	98.1	1.3	0.0	0.5	
	Ardnacrusha - AA1	21	96.1	2.6	1.3	0.0	
	Ardnacrusha - AA2	22	95.6	1.3	3.1	0.0	
	Ardnacrusha - AA3	19	97.6	1.1	1.3	0.0	
	Ardnacrusha - AA4	24	11.5	6.0	82.6	0.0	
	Erne - ER1	10	96.7	2.2	1.2	0.0	
	Erne - ER2	10	93.2	5.6	1.2	0.0	
	Erne - ER3	23	98.8	0.1	1.2	0.0	
	Erne - ER4	23	98.4	0.3	1.2	0.0	
	Lee - LE1	15	95.9	0.1	3.9	0.0	
	Lee - LE2	4	77.3	22.7	0.0	0.0	
	Lee - LE3	8	96.0	1.2	2.8	0.0	
	Liffey - LI1	15	34.4	65.6	0.0	0.0	
	Liffey - LI2	15	94.7	5.1	0.3	0.0	
	Liffey - LI4	4	99.5	0.3	0.3	0.0	
	Liffey - LI5	4	75.2	24.8	0.0	0.0	
	Moneypoint - MP1	285	77.0	16.7	6.3	0.0	
	Moneypoint - MP2	285	26.6	31.0	42.4	0.0	
	Moneypoint - MP3	285	71.5	24.1	4.4	0.0	
	Poolbeg - PBA	232	93.6	3.3	3.1	0.1	
	Poolbeg - PBB	232	92.7	5.5	1.8	0.0	
	Turlough Hill - TH1	73	84.3	2.7	13.0	0.0	
	Turlough Hill - TH2	73	79.9	6.9	13.2	0.0	
	Turlough Hill - TH3	73	78.4	8.4	13.3	0.0	
	Turlough Hill - TH4	73	80.8	5.8	13.3	0.0	
	Edenderry Power Ltd	Edenderry - ED1	118	69.6	19.8	10.6	0.0
		Edenderry - ED3	58	98.0	1.9	0.1	0.0
		Edenderry - ED5	58	99.2	0.7	0.1	0.0
	SSE Generation Ireland	Great Island - GI4	464	48.3	36.6	14.2	0.9
Rhode - RP1		52	91.9	5.3	2.8	0.0	
Rhode - RP2		52	95.1	2.0	2.8	0.1	
Tarbert - TB1		54	0.0	100.0	0.0	0.0	
Tarbert - TB2		54	0.0	100.0	0.0	0.0	
Tarbert - TB3		241	56.8	42.7	0.5	0.0	
Tarbert - TB4		241	0.0	100.0	0.0	0.0	
Tawnaghmore - TP1		52	96.1	1.9	2.0	0.0	
Tawnaghmore - TP3	52	88.3	11.7	0.0	0.0		
Indaver	Indaver - IW1	17	91.8	2.0	6.1	0.0	
Synergen	Dublin Bay - DB1	415	72.2	21.3	5.6	0.9	
Tynagh Energy Ltd	Tynagh - TYC	404	86.6	5.4	2.8	5.2	
Viridian	Huntstown - HN2	402	96.4	0.6	0.1	2.9	
	Huntstown - HNC	342	90.1	3.3	2.8	3.9	

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 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – January 2022 to December 2022

Unit-by-Unit Average Monthly Availability – December 2022			
Company	Unit	Capacity	Annual Availability %
Enel X	Enel X – AE1	87	16.1
	Enel X – AE2	13	31.7
	Enel X – AE3	14	47.5
	Enel X – AE4	16	8.0
	Enel X – AE5	16	0.0
	Enel X - EN1	16	10.9
	Enel X - EN2	17	7.6
	Enel X - EN3	17	28.5
	Enel X - EN4	16	21.4
	Enel X - EN5	6	2.7
	Enel X - EN6	11	19.9
	Enel X - EN8	24	33.4
	Enel X - EN9	16	41.5
	Enel X - EX1	21	4.8
DAE VPP	DAE VPP – DP1	5	27.7
	DAE VPP – DP2	30	24.2
	DAE VPP – DP3	9	4.3
Electricity Exchange Ltd	Electricity Exchange – EE1	65	26.0
	Electricity Exchange – EE2	30	20.5
	Electricity Exchange – EE3	11	14.5
	Electricity Exchange – EE4	13	7.4
	Electricity Exchange – EE5	17	53.6
	Electricity Exchange – EE6	14	38.3
	Electricity Exchange – EE7	7	41.5
	Electricity Exchange – EE8	12	7.8
	Electricity Exchange – EE9	11	24.5
Electric Ireland	Electric Ireland – EI1	17	32.8
Endeco	Endeco 1 – EC1	52	25.7
	Endeco 2 – EC2	12	29.0
	Endeco 3 – EC3	5	36.5
	Endeco 4 - EC4	5	52.2
	Endeco 5 – EC5	21	30.7
Energy Trading Ireland	Energy Trading – ET1	5	18.0
Powerhouse	Powerhouse – PG1	10	27.6

Table 6: 365 Day Rolling System Total Average Availability – January 2022 to December 2022

	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %	Annual FOR
Conventional Total Average Availability	74.1	18.1	6.6	1.2	19.4
DSU Total Average Availability	23.1	N/A	N/A	N/A	N/A

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