



SONI Monthly Availability Report – December 2022

Availability report for December 2022¹

Definitions

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

Forced: For any reduction in **Availability** not approved in advance with the Generation Outage Planning Team (GOP) (including trips, outage overruns, urgent repairs, partial outages etc..).

Scheduled: Scheduled generator outage approved by the SONI GOP.

Ambient: Derating of generator capacity due to a change in temperature conditions.

Maximum Export Capacity (MEC): The value (in MW and/or MVA) provided in accordance with the User's **Connection Agreement** or DNO Demand Customer's DNO **Connection Agreement**.

Connection Agreement: The bilateral agreement between the TSO and the User, which contains the detail specific to the User's connection to the Transmission System.

Demand Side Unit (DSU): An individual demand site or aggregated demand site with a **DSU MW Capacity** of at least 4 MW.

DSU MW Capacity: The maximum change in active power that can be achieved by a DSU on a sustained basis for the duration of the DSU's maximum down time by totalling the potential increase in on-site active power generation and the potential decrease in on-site active power demand at each individual demand site.

Average Monthly Availability: Average **Availability** over the past month.

365-day Rolling Availability: Average **Availability** over the past year.

HOW TO CONTACT US

General Queries

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

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

Unit-by-Unit Average Monthly Availability – December 2022						
Company	Unit	MEC (MW)	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
EPUK	Ballylumford - B10	94	93.8	0.1	0.0	6.1
	Ballylumford - B21	249	98.4	0.3	0.0	1.4
	Ballylumford - B22	249	97.8	0.9	0.0	1.3
	Ballylumford - BGT1	58	16.6	83.4	0.0	0.0
	Ballylumford - BGT2	58	97.9	2.1	0.0	0.0
	Kilroot - KGT1	29	96.7	3.3	0.0	0.0
	Kilroot - KGT2	29	96.7	3.3	0.0	0.0
	Kilroot - KGT3	42	90.4	9.7	0.0	0.0
	Kilroot - KGT4	42	90.6	8.7	0.7	0.0
	Kilroot - KPS1 Coal	175	82.7	17.3	0.0	0.0
	Kilroot - KPS1 Oil	256	82.0	18.0	0.0	0.0
	Kilroot - KPS2 Coal	175	40.5	59.6	0.0	0.0
	Kilroot - KPS2 Oil	258	37.3	62.7	0.0	0.0
Contour Global	AGU - CGA	12.1	60.4	39.6	0.0	0.0
ESB	Coolkeeragh - C30	408	90.2	0.0	3.4	6.4
	Coolkeeragh - CG8	53	100.0	0.0	0.0	0.0
Empower	AGU - EMP	12.8	100.0	0.0	0.0	0.0
Evermore	Lisahally - LPS	18	71.4	28.6	0.0	0.0
lpower	AGU	57.7	87.9	12.1	0.0	0.0

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

Unit-by-Unit Average Monthly DSU Availability – December 2022			
Company	Unit	DSU MW Capacity	Monthly Availability %
AC Auto NI	ACA	7.6	75.0
AE_DSU_NI	AEA	8.4	38.3
Energy Trading Ireland	ETB	5.0	11.8
	ETC	4.5	0.0
	ETD	5.1	3.0
	ETR	4.0	5.1
Electricity Exchange NI	VN1	6.8	0.0
Endeco Technologies	ECA	21.8	12.8
	ECB	6.3	16.5
Powerhouse Ltd	PH1	19.5	27.9
	PH2	13.5	27.0
lpower	ID1	4.7	20.0
	ID2	5.2	22.2

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Table 3: NI System Total Average Monthly Availability – December 2022

	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
NI Conventional Total Average Availability	80.6	18.4	0.2	0.8
NI DSU Total Average Availability	20.0	N/A	N/A	N/A

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units & Aggregated Generator Units – 1st January 2022 to 31st December 2022

Unit-by-Unit 365 Day Rolling Availability – December 2022						
Company	Unit	MEC (MW)	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
EPUK	Ballylumford - B10	94	88.7	1.5	1.2	8.6
	Ballylumford - B21	249	92.0	1.1	3.7	3.2
	Ballylumford - B22	249	93.1	0.6	3.0	3.3
	Ballylumford - BGT1	58	33.6	50.0	16.4	0.0
	Ballylumford - BGT2	58	94.6	5.4	0.1	0.0
	Kilroot - KGT1	29	93.8	5.1	1.1	0.0
	Kilroot - KGT2	29	86.9	8.1	5.0	0.0
	Kilroot - KGT3	42	81.5	15.0	3.5	0.0
	Kilroot - KGT4	42	78.9	19.3	1.8	0.0
	Kilroot - KPS1	256	60.9	35.3	3.8	0.0
	Kilroot - KPS2	258	37.0	30.6	32.4	0.0
Contour Global	AGU - CGA	12.084	80.1	19.9	0.0	0.0
ESB	Coolkeeragh - C30	408	86.7	1.6	5.3	6.4
	Coolkeeragh - CG8	53	96.4	1.0	2.6	0.0
Empower	AGU - EMP	12.755	96.5	0.0	3.5	0.0
Evermore	Lisahally - LPS	18	79.7	20.3	0.0	0.0
lpower	AGU	57.717	86.3	13.7	0.0	0.0

Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – 1st January 2022 to 31st December 2022

Unit-by-Unit 365 Day Rolling DSU Availability – December 2022			
Company	Unit	DSU MW Capacity	Monthly Availability %
AC Auto NI	ACA	7.6	75.0
AE_DSU_NI	AEA	8.4	40.8
Energy Trading Ireland	ETB	5.0	14.5
	ETC	4.5	0.0
	ETD	5.1	2.4
	ETR	4.0	13.6
Electricity Exchange NI	VN1	6.8	3.5
Endeco Technologies	ECA	21.8	29.5
	ECB	6.3	4.7
Powerhouse Ltd	PH1	19.5	29.5
	PH2	13.5	30.8
lpower	ID1	4.7	20.0
	ID2	5.2	25.1

Table 6: 365 Day Rolling NI System Total Average Availability – 1st January 2022 to 31st December 2022

	Annual Availability %	Annual Forced %	Annual Scheduled %	Annual Ambient %
NI Conventional Total Average Availability	80.4	13.4	4.9	1.3
NI DSU Total Average Availability	22.3	N/A	N/A	N/A

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