

SEM Capacity Market

Provisional Capacity Auction Results

2022/2023 T-1 Capacity Auction

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Executive Summary

This report contains provisional Capacity Auction Results for the T-1 Capacity Auction in respect of Capacity Year 2022/2023, which took place on the 21st of October 2021. The Capacity Auction summary results are presented below in Table 1.

Table 1 – Capacity Auction Summary Results

Capacity Auction Summary Results	
Parameter	Quantity/Number
Auction Clearing Price (€/MW per year)	€46,150.00
Auction Clearing Price (£/MW per year)	£39,910.52
Average Price of Awarded Capacity (€/MW per year)	€52,621.25
Average Price of Awarded Capacity (£/MW per year)	£45,506.86
Total Awarded Capacity (MW)	1,120.546
No. of Capacity Market Units Qualified for the Capacity Auction	61 ¹
No. of Opt-Out Notifications submitted during Qualification	3
No. of Capacity Market Units which submitted Capacity Auction Offers	52
No. of Capacity Market Units allocated Awarded Capacity	52

The Locational Capacity Constraints set in the Capacity Auction for Northern Ireland, Ireland, and Greater Dublin were not satisfied.

LCC Area	Required Qty (MW)	Awarded Capacity (MW) ²	Shortfall (MW)
L1-1: Northern Ireland	2,042	2,021.898	-20.102
L1-2: Ireland	6,170	6,032.849	-137.151
L2-1: Greater Dublin	1,834	1,618.657	-215.343

This report includes further details with respect to the Final Qualification Decisions for the 2022/2023 T-1 Capacity Auction as well as the Provisional Capacity Auction Results per individual CMU.

¹ 137 units qualified for the 2022/23 T-1 Capacity Auction, only 61 units qualified with a Net De-Rated Capacity (Total) greater than 0 MW

² This includes previously awarded capacity from other auctions that are applicable for the 2022/23 Capacity Year.

Introduction

In accordance with paragraph F.9.5.1A of the Capacity Market Code (CMC), this report contains provisional Capacity Auction Results for the T-1 Capacity Auction, which took place on the 21st of October 2021, in respect of Capacity Year 2022/2023.

The Final Capacity Auction Results for the 2022/2023 T-1 Capacity Auction are expected to be published on or before 10th of December 2021 following approval by the Regulatory Authorities in accordance with section F.9.3 of the CMC.

In accordance with section D.1.1.1 of the CMC, the Capacity Year 2022/2023 is the period commencing at the start of the Trading Day beginning at 23:00 on 30th September 2022 and ending at the end of the Trading Day ending at 23:00 on 30th September 2023. 'MW' refers to a megawatt of de-rated capacity, unless otherwise stated. For prices specified in €/MW per year or £/MW per year, 'year' refers to a 12-month year, unless otherwise stated.

Final Qualification Decisions

A total of 139 Capacity Market Units sought to qualify for the 2022/2023 T-1 Capacity Auction. Of these, a total of 137 Capacity Market Units (CMUs) successfully qualified for the 2022/2023 T-1 Capacity Auction.

1,201.426 successfully qualified for the 2022/2023 T-1 Capacity Auction. This equates to a total 1,023.204 MW of Existing Net De-Rated Capacity and 178.222 MW of New Net De-Rated Capacity. Table 1 and Figure 1 provide a summary of Final Qualification Decisions by Technology Class for both Existing Capacity and New Capacity.

Table 2 – Qualified Capacity per Technology Class

Qualified Capacity per Technology Class			
Technology Class	Net De-Rated Capacity (Existing) (MW)	Net De-Rated Capacity (New) (MW)	Total Net De-Rated Capacity (MW)
Demand Side Unit	76.126	111.816	187.942
Gas Turbine	341.525	10.413	351.938
Hydro	5.861	0	5.861
Interconnector	16.65	0	16.65
Battery Storage	1.529	55.993	57.522
Pumped Hydro Storage	0	0	0
Steam Turbine	555.623	0	555.623
Wind	25.89	0	25.89
Total	1,023.204	178.222	1,201.426

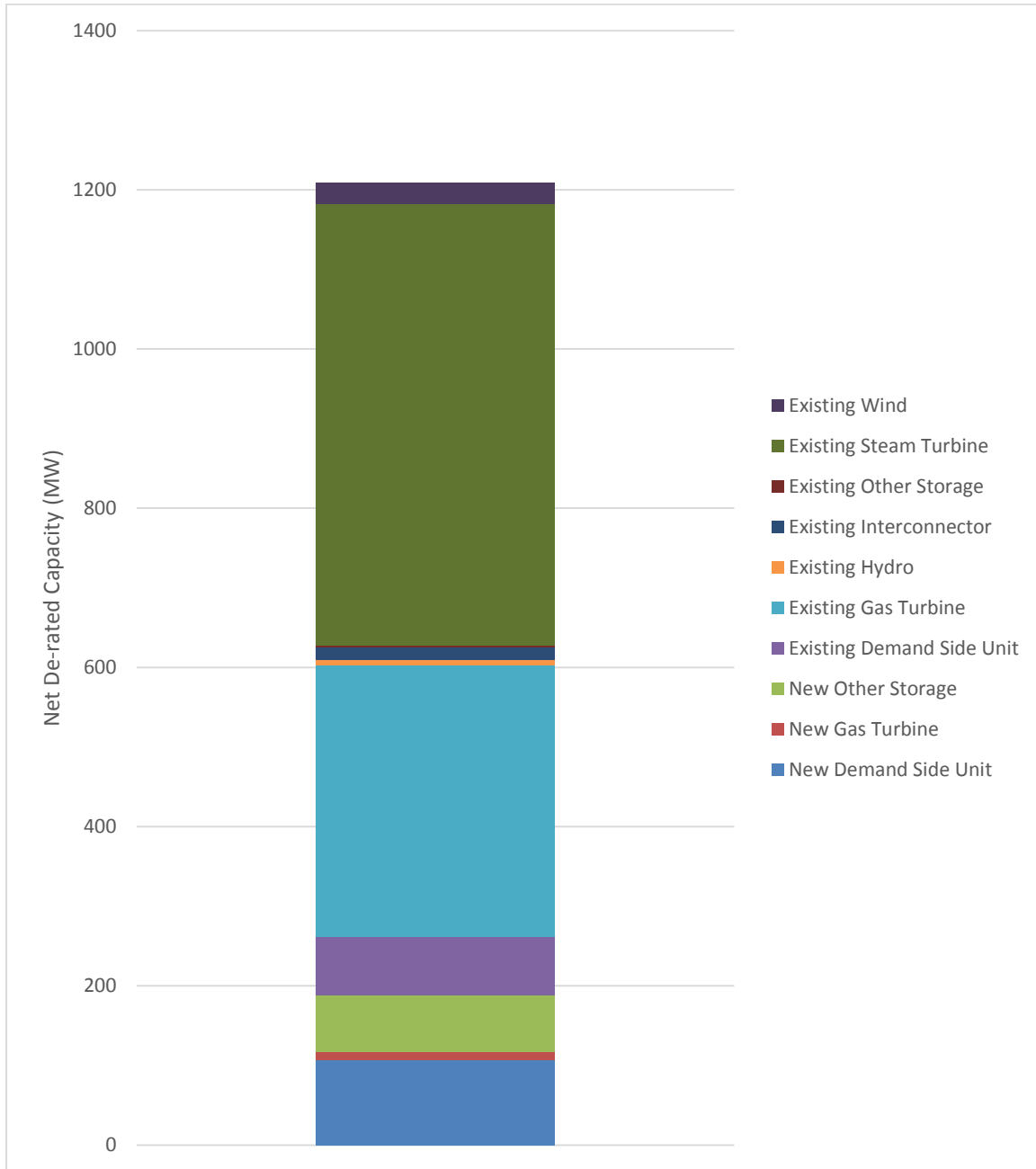


Figure 1 - Qualified CMUs per Technology Type

Opt-Out Notifications were submitted to the System Operators in respect of fourteen Capacity Market Units. Please refer to Appendix A for the full provision of Final Qualification Decisions per CMC Section F.9.5.1A (c).

Provisional Capacity Auction Results

Capacity Auction Offers were submitted in respect of 52 Capacity Market Units for the 2022/2023 T-1 Capacity Auction. A total of 1,120.56 MW of de-rated capacity was offered into the auction and the total successful de-rated capacity in the auction was 1,120.56 MW. The Auction Clearing Price was 46,150.00 €/MW per year and 39,910.52 £/MW per year. The Capacity Auction Results and total Awarded Capacity for each CMU are listed in Table 3. A total of 52 Capacity Market Units were successfully Awarded Capacity in the 2022/2023 T-1 Capacity Auction. Details of the Technology Class for each unit can be found in Appendix B.

A total of 26 Capacity Market Units were successfully Awarded New Capacity within the 2022/2023 T-1 Capacity Auction. Implementation Plans for these Capacity Market Units are listed in Table 4.

Table 3 – Provisional Capacity Auction Results

CMU ID	Party Name	Awarded Capacity (MW)	Capacity Payment Price (EUR/MW) or (GBP/MW)	Duration (Years)	LCC Area ³
CAU_400301	ESB	5.861	46150	1	L1-2
CAU_400302	ESB	0.142	46150	1	L1-2
CAU_400500	SSE Airtricity Limited	22.779	46150	1	L1-2
DSU_401490	Veolia Alternative Energy Ireland Limited	4.305	46150	1	L1-2
DSU_401660	Powerhouse Generation Limited	3.97	46150	1	L1-2
DSU_401870	Electricity Exchange DAC	1.072	46150	1	L1-2
DSU_401880	Veolia Alternative Energy Ireland Limited	17.435	46150	1	L1-2
DSU_402090	Electricity Exchange DAC	6.425	46150	1	L1-2
DSU_402100	Electricity Exchange DAC	1.623	138450	1	L1-2
DSU_402120	Electricity Exchange DAC	0.979	138450	1	L1-2
DSU_403520	Electricity Exchange DAC	5.754	138450	1	L1-2
DSU_403560	Electricity Exchange DAC	5.466	46150	1	L1-2
DSU_403590	Endeco Technologies Limited	1.584	46150	1	L1-2
DSU_403610	Bord Gáis ROI	2.81	46150	1	L1-2
DSU_403620	Energy Trading Ireland Limited	1.98	46150	1	L1-2
DSU_403630	Electricity Exchange DAC	3.57	138123	1	L2-1
DSU_403630	Electricity Exchange DAC	0.946	138123.45	1	L2-1
DSU_403640	Electricity Exchange DAC	3.156	138123	1	L2-1
DSU_403640	Electricity Exchange DAC	0.594	138123.45	1	L2-1
DSU_403650	iPower Solutions Ltd	3.58	138000	1	L1-2
DSU_403660	Veolia Alternative Energy Ireland Limited	8.861	46150	1	L2-1
DSU_403690	Endeco Technologies Limited	1.584	46150	1	L2-1
DSU_501200	AC Automation (UK) Ltd	6.824	120451.5	1	L1-1
DSU_501330	Powerhouse Generation Limited	7.646	39910.52	1	L1-1

³ L1-1 refers to Northern Ireland, L1-2 refers to Ireland and L2-1 refers to Greater Dublin.

CMU ID	Party Name	Awarded Capacity (MW)	Capacity Payment Price (EUR/MW) or (GBP/MW)	Duration (Years)	LCC Area ³
DSU_501460	Endeco Technologies Limited	2.176	39910.52	1	L1-1
DSU_501560	Powerhouse Generation Limited	10.376	39910.52	1	L1-1
DSU_503420	iPower Solutions Ltd	3.831	60000	1	L1-1
DSU_503460	Electricity Exchange DAC	2.683	39910.52	1	L1-1
DSU_503480	iPower Solutions Ltd	4.672	39910.52	1	L1-1
DSU_503650	Endeco Technologies Limited	2.297	39910.52	1	L1-1
GU_400271	ESB	97.015	83400	1	L1-2
GU_400480	Energia	292.41	46150	1	L2-1
GU_400750	SSE Generation Ireland Limited	44.928	46150	1	L1-2
GU_400751	SSE Generation Ireland Limited	44.928	46150	1	L1-2
GU_400752	SSE Generation Ireland Limited	184.376	46150	1	L1-2
GU_400753	SSE Generation Ireland Limited	184.376	46150	1	L1-2
GU_403000	Ronaver Energy Limited	1.81	46150	1	L1-2
GU_404010	Statkraft Markets GmbH	1.529	46150	1	L1-2
GU_404190	BRI Green Energy Ltd	2.867	46150	1	L1-2
GU_404210	BRI Green Energy Ltd	0.085	46150	1	L1-2
GU_404400	Avolta Storage Limited	7.26	46150	1	L1-2
GU_404510	Statkraft Markets GmbH	2.057	46150	1	L2-1
GU_404520	Statkraft Markets GmbH	3.511	46150	1	L1-2
GU_404530	Avonbeg Storage Limited	2.472	137950	10	L1-2
GU_404540	Gorey Storage Limited	1.616	137950	10	L1-2
GU_404550	Killala Community Windfarm DAC	2.603	46150	1	L1-2
GU_500041	ESB	47.305	39910.52	1	L1-1
GU_503350	Energia Customer Solutions NI Limited	11.3	39910.52	1	L1-1
GU_503950	Statkraft Markets GmbH	6.25	39910.52	1	L1-1
GU_503960	Statkraft Markets GmbH	6.25	39910.52	1	L1-1
GU_503980	Kells BES Ltd	9.442	88500	10	L1-1
GU_504000	Powerhouse Generation Limited	0.905	39910.52	1	L1-1
GU_504000	Powerhouse Generation Limited	1.81	60000	1	L1-1
GU_504000	Powerhouse Generation Limited	1.81	90000	1	L1-1
I_NIMOYLE	Moyle Interconnector Limited	7.65	39910.52	1	L1-1
I_ROIEWIC	EirGrid Interconnector DAC	9	46150	1	L1-2

Table 4 – Awarded New Capacity Implementation Plans

Party / Unit Details		Awarded Capacity	Timelines from Qualification Applications							
CMU ID	Company Name	Awarded New Capacity (MW)	Substantial Financial Completion	Commencement of Construction Works	Mechanical Completion	Completion of Network Connection	First Energy to Network	Start of Performance/Acceptance Testing	Provisional Acceptance/Completion of Performance Testing	Substantial Completion
GU_404400	Avolta Storage Limited	7.26	Complete	Complete	Complete	01/04/2022	01/05/2022	01/05/2022	01/06/2022	01/07/2022
GU_404530	Avonbeg Storage Limited	2.472	Complete	Complete	15/03/2022	22/03/2022	30/03/2022	15/04/2022	14/05/2022	11/06/2022
DSU_403610	Bord Gais ROI	2.81	31/05/2022	N/A	N/A	May-22	N/A	N/A	N/A	May-22
DSU_401870	Electricity Exchange DAC	1.072	Mar-22	N/A	N/A	Jun-22	N/A	N/A	N/A	Sep-22
DSU_403560	Electricity Exchange DAC	1.82	Mar-22	N/A	N/A	Jun-22	N/A	N/A	N/A	Sep-22
DSU_403630	Electricity Exchange DAC	4.516	Mar-22	N/A	N/A	Jun-22	N/A	N/A	N/A	Sep-22
DSU_403640	Electricity Exchange DAC	3.75	Mar-22	N/A	N/A	Jun-22	N/A	N/A	N/A	Sep-22
DSU_503460	Electricity Exchange DAC	0.183	Mar-22	N/A	N/A	Jun-22	N/A	N/A	N/A	Sep-22
DSU_403590	Endeco Technologies Limited	1.584	30/11/2021	N/A	N/A	31/08/2022	N/A	N/A	N/A	30/09/2022
DSU_403690	Endeco Technologies Limited	1.584	30/11/2021	N/A	N/A	31/08/2022	N/A	N/A	N/A	30/09/2022
DSU_501460	Endeco Technologies Limited	1.785	30/11/2021	N/A	N/A	31/08/2022	N/A	N/A	N/A	30/09/2022
DSU_503650	Endeco Technologies Limited	2.297	30/11/2021	N/A	N/A	31/08/2022	N/A	N/A	N/A	30/09/2022
GU_503350	Energia Customer Solutions NI Limited	11.3	07/11/2021	31/01/2022	31/05/2022	31/05/2022	30/06/2022	31/07/2022	31/08/2022	30/09/2022
GU_404540	Gorey Storage Limited	1.616	Complete	Complete	25/11/2021	25/11/2021	03/12/2021	17/12/2021	22/01/2022	18/02/2022
DSU_403650	iPower Solutions Ltd	3.58	31/05/2022	31/08/2022	31/08/2022	31/08/2022	31/08/2022	01/09/2022	30/09/2022	30/09/2022
DSU_503420	iPower Solutions Ltd	3.831	31/05/2022	31/08/2022	31/08/2022	31/08/2022	31/08/2022	01/09/2022	30/09/2022	30/09/2022
GU_503980	Kells BES Ltd	9.442	Complete	Complete	26/04/2022	29/04/2022	06/05/2022	09/05/2022	31/07/2022	31/07/2022
GU_404550	Killala Community Windfarm DAC	2.603	Complete	Complete	01/12/2021	02/12/2021	15/01/2022	15/01/2022	15/01/2022	21/01/2022
GU_504000	Powerhouse Generation Limited	4.525	Complete	Complete	Complete	Complete	Complete	Complete	30/09/2022	03/09/2022
GU_404510	Statkraft Markets GmbH	2.057	Complete	Complete	Complete	Complete	Complete	Complete	Complete	30/11/2021
GU_404520	Statkraft Markets GmbH	3.511	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete
GU_503950	Statkraft Markets GmbH	6.25	Complete	Complete	Complete	Complete	Complete	Complete	Complete	30/11/2021
GU_503960	Statkraft Markets GmbH	6.25	Complete	Complete	Complete	Complete	Complete	Complete	Complete	30/11/2021
DSU_401490	Veolia Alternative Energy Ireland Limited	0.895	Complete	N/A	N/A	Complete	N/A	N/A	N/A	Complete
DSU_401880	Veolia Alternative Energy Ireland Limited	1.505	Complete	N/A	N/A	Complete	N/A	N/A	N/A	31/12/2021
DSU_403660	Veolia Alternative Energy Ireland Limited	8.861	Complete	N/A	N/A	Complete	N/A	N/A	N/A	Complete
DSU_401880	Veolia Alternative Energy Ireland Limited	1.505	Complete	N/A	N/A	Complete	N/A	N/A	N/A	31/12/2021

Capacity Auction Results by Locational Capacity Constraint Area

Table 5 and Table 6 provide details relating to the total successful and unsuccessful capacity in the auction for Ireland, Northern Ireland and Greater Dublin. The values are given in terms of De-rated Capacity.

Table 5 – Total Capacity per Locational Capacity Constraint Area

Total Capacity (MW)	Northern Ireland	Ireland	Greater Dublin	Market Total
De-Rated Quantity Offered	133.227	987.319	313.178	1,120.546
De-Rated Quantity Successful	133.227	987.319	313.178	1,120.546
De-Rated Quantity Unsuccessful	0	0	0	0

A total of 97.359 MW of De-rated New Capacity was successful in the auction. This comprised primarily of Demand Side Units and battery storage.

Table 6 – New Capacity Locational Constraint Area

New Capacity (MW)	Northern Ireland	Ireland	Greater Dublin	Market Total
De-Rated Quantity Offered	45.863	51.496	20.768	97.359
De-Rated Quantity Successful	45.863	51.496	20.768	97.359
De-Rated Quantity Unsuccessful	0	0	0	0

Appendix A

Full provision of the Final Qualification Decisions information per Section F.9.5.1 (c) of the CMC can be found via the following Excel report:

- [Final Qualification Decisions](#)

Appendix B

The Provisional Capacity Auction Results can be accessed via Excel report using the link provided below:

- [Provisional Capacity Auction Results](#)

Glossary

Term	Description
Company Name	Name under which a company registered as a Party to the Trading and Settlement Code and Capacity Market Code.
CMU ID	A unique identifier that identifies the Generator Unit or Interconnector Unit that is qualified by the System Operators to participate in a Capacity Auction under the Capacity Market Code.
Net De-Rated Capacity (New) (MW)	A megawatt value of capacity in respect of a new Unit that is adjusted with a de-rating factor to take account of the reliability of that Unit.
Net De-Rated Capacity (Existing) (MW)	A megawatt value of capacity in respect of an existing Unit that is adjusted with a de-rating factor to take account of the reliability of that Unit.
De-Rated Capacity (Total) (MW)	A megawatt value of capacity in respect of the total of new and existing capacity for a Unit that is adjusted with a de-rating factor to take account of the reliability of that Unit.
Technology Class	Technology applicable to a Generator Unit or Interconnector Unit.
Awarded Capacity (MW)	De-rated capacity that must be dedicated and made available by the Generator Unit or Interconnector Unit that makes up the Capacity Market Unit.
Capacity Payment Price (EUR/MW) or (GBP/MW)	This is price at which the Participant is paid in respect of the Awarded Capacity. It is the higher of the Auction Clearing Price and Capacity Auction Offer.

