

SEM Capacity Market

Final Capacity Auction Results 2022/2023 T-4 Capacity Auction

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Executive Summary

This report contains final Capacity Auction Results for the T-4 Capacity Auction in respect of Capacity Year 2022/2023, which took place on the 28th of March 2019. 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
Auction Clearing Price (£/MW per year)	£43,030.26
Average Price of Awarded Capacity (€/MW per year)	€46,178
Average Price of Awarded Capacity (£/MW per year)	£43,056.78
Total Awarded Capacity (MW)	7,412.448
No. of Capacity Market Units Qualified for the Capacity Auction	133
No. of Opt-Out Notifications submitted during Qualification	2
No. of Capacity Market Units which submitted Capacity Auction Offers	112
No. of Capacity Market Units allocated Awarded Capacity	93

The Locational Capacity Constraints set in the Capacity Auction for Northern Ireland, Ireland and Greater Dublin were satisfied.

This report includes further details with respect to the Final Qualification Decisions for the 2022/2023 T-4 Capacity Auction as well as the Final Capacity Auction Results per individual CMU.

Introduction

In accordance with paragraph F.9.5.1 of the Capacity Market Code (CMC), this report contains final Capacity Auction Results for the T-4 Capacity Auction, which took place on the 28th of March 2019, in respect of Capacity Year 2022/2023.

The Final Capacity Auction Results for the 2022/2023 T-4 Capacity Auction have been approved 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 136 Capacity Market Units sought to qualify for the 2022/2023 T-4 Capacity Auction, seeking to qualify a total of 11,298.284 MW of Nominated De-Rated Capacity. Of these, a total of 133 Capacity Market Units (CMUs) successfully qualified for the 2022/2023 T-4 Capacity Auction.

This equates to a total of 10,918.345 MW of Net De-Rated Capacity; 7,880.258 MW of Existing Capacity and 3,038.087 MW of New 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	266.168	334.246	600.414
Gas Turbine	4843.463	2445.186	7288.649
Hydro	190.365	0	190.365
Interconnector	404.35	0	404.35
Other Storage	0	212.365	212.365
Pumped Hydro Storage	208.78	0	208.78
Solar	0	1.79	1.79
Steam Turbine	1955.392	0	1955.392
Wind	11.74	44.5	56.24
Total	7880.258	3038.087	10918.345

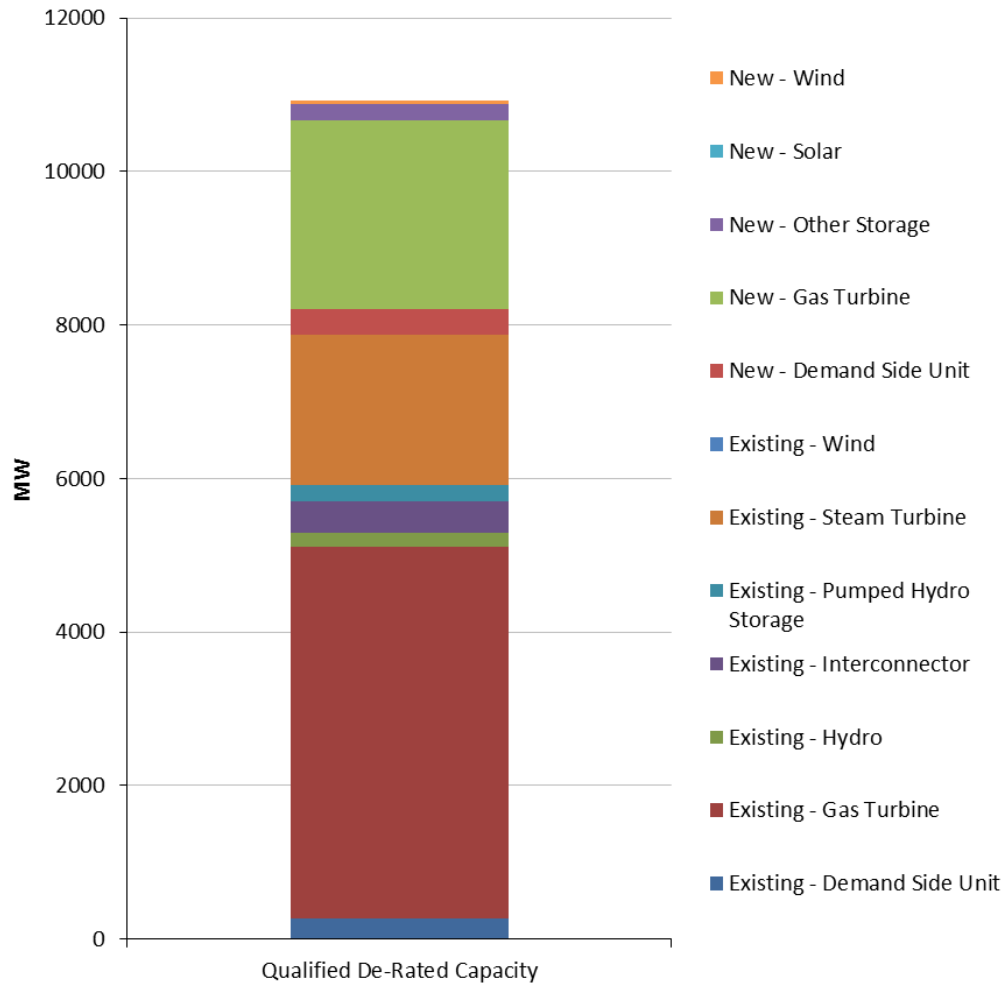


Figure 1 – Qualified CMUs per Technology Type

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

Final Capacity Auction Results

Capacity Auction Offers were submitted in respect of 112 Capacity Market Units for the 2022/2023 T-4 Capacity Auction. A total of 9887.705 MW of de-rated capacity was offered into the auction and the total successful de-rated capacity in the auction was 7412.448 MW. The Auction Clearing Price was 46,150 €/MW per year and 43,030.26 £/MW per year. The Capacity Auction Results and total Awarded Capacity for each CMU are listed in Table 3. A total of 93 Capacity Market Units were successfully Awarded Capacity within the 2022/2023 T-4 Capacity Auction

A total of 32 Capacity Market Units were successfully Awarded New Capacity within the 2022/2023 T-4 Capacity Auction. Implementation Plans for these Capacity Market Units are listed in Table 4.

Table 3 – Final Capacity Auction Results

CMU ID	Party Name	Awarded Capacity (MW)	Capacity Payment Price (EUR/MW) or (GBP/MW)	Duration (Years)
CAU_400301	ESB	190.365	46150.00	1
CAU_400302	ESB	6.355	46150.00	1
DSU_401270	EnerNOC Ireland	46.980	46150.00	1
DSU_401330	ESB	11.638	46150.00	1
DSU_401390	Energy Trading Ireland	11.336	46150.00	1
DSU_401400	Electricity Exchange	28.446	46150.00	1
DSU_401530	ENDECO Technologies	26.992	46150.00	1
DSU_401590	Viridian Energy	11.539	46150.00	1
DSU_401610	EnerNOC Ireland	32.406	46150.00	1
DSU_401620	EnerNOC Ireland	8.312	46150.00	1
DSU_401660	Powerhouse Generation	0.000	-	-
DSU_401800	EnerNOC Ireland	8.981	46150.00	1
DSU_401850	EnerNOC Ireland	9.104	46150.00	1
DSU_401870	Electricity Exchange	24.803	46150.00	1
DSU_401910	ENDECO Technologies	10.043	46150.00	1
DSU_402040	Viridian Energy	8.015	46150.00	1
DSU_402090	Electricity Exchange	8.550	46150.00	1
DSU_402100	Electricity Exchange	7.580	46150.00	1
DSU_402120	Electricity Exchange	10.082	46150.00	1
DSU_402180	ENDECO Technologies	9.422	46150.00	1
DSU_403020	EnerNOC Ireland	8.982	46150.00	1
DSU_403030	EnerNOC Ireland	8.982	46150.00	1
DSU_403040	EnerNOC Ireland	8.982	46150.00	1
DSU_403050	EnerNOC Ireland	8.982	46150.00	1
DSU_403080	EnerNOC Ireland	15.924	46150.00	1
DSU_403120	EnerNOC Ireland	19.849	46150.00	1
DSU_403430	EnerNOC Ireland	17.250	46150.00	1
DSU_403450	EnerNOC Ireland	8.925	46150.00	1
DSU_403470	EnerNOC Ireland	8.925	46150.00	1
DSU_501330	Powerhouse Generation	0.000	-	-
DSU_501380	Energy Trading Ireland	7.351	43030.26	1
DSU_501450	EnerNOC Ireland	5.417	43030.26	1
DSU_501460	ENDECO Technologies	6.563	43030.26	1
DSU_501510	Energy Trading Ireland	6.030	43030.26	1
DSU_501590	Energy Trading Ireland	4.500	43030.26	1
DSU_501600	Energy Trading Ireland	4.568	43030.26	1
GU_400120	Aughinish Alumina	52.681	46150.00	1

CMU ID	Party Name	Awarded Capacity (MW)	Capacity Payment Price (EUR/MW) or (GBP/MW)	Duration (Years)
GU_400121	Aughinish Alumina	52.681	46150.00	1
GU_400181	ESB	82.260	46150.00	1
GU_400182	ESB	82.260	46150.00	1
GU_400183	ESB	82.260	46150.00	1
GU_400240	ESB	0.000	-	-
GU_400270	ESB	229.140	46150.00	1
GU_400271	ESB	0.000	-	-
GU_400272	ESB	229.140	46150.00	1
GU_400311	ESB	107.730	46150.00	10
GU_400324	ESB	207.230	46150.00	1
GU_400325	ESB	207.230	46150.00	1
GU_400360	ESB	52.195	46150.00	1
GU_400361	ESB	52.195	46150.00	1
GU_400362	ESB	52.195	46150.00	1
GU_400363	ESB	52.195	46150.00	1
GU_400370	ESB	116.450	46150.00	1
GU_400430	ESB	3.783	46150.00	1
GU_400480	Huntstown Power Company	0.000	-	-
GU_400500	ESB	361.050	46150.00	1
GU_400530	Tynagh Energy	339.600	46150.00	1
GU_400540	Viridian Power Limited	349.600	46150.00	1
GU_400750	SSE Generation Ireland	0.000	-	-
GU_400751	SSE Generation Ireland	0.000	-	-
GU_400752	SSE Generation Ireland	0.000	-	-
GU_400753	SSE Generation Ireland	0.000	-	-
GU_400762	SSE Generation Ireland	399.040	46150.00	1
GU_400770	SSE Generation Ireland	47.449	46150.00	1
GU_400771	SSE Generation Ireland	47.449	46150.00	1
GU_400780	SSE Generation Ireland	47.632	46150.00	1
GU_400781	SSE Generation Ireland	47.632	46150.00	1
GU_400850	ESB	373.246	46150.00	1
GU_400930	Bord Gais ROI	383.616	46150.00	1
GU_401010	Cushaling Power	53.128	46150.00	1
GU_401011	Cushaling Power	53.128	46150.00	1
GU_401230	Indaver Energy	14.875	46150.00	1
GU_401720	BRI Green Energy	1.602	46150.00	1
GU_401860	Edenderry Supply Co	100.522	46150.00	1
GU_402030	Dublin Waste to Energy Supply	53.198	46150.00	1

CMU ID	Party Name	Awarded Capacity (MW)	Capacity Payment Price (EUR/MW) or (GBP/MW)	Duration (Years)
GU_403440	Statkraft Ireland	44.500	46150.00	1
GU_403450	Grange Backup Power	0.000	-	-
GU_403460	Greener Ideas	0.000	-	-
GU_403510	Viridian Energy	0.000	-	-
GU_403520	Viridian Energy	0.000	-	-
GU_403530	Viridian Energy	0.000	-	-
GU_403560	ESB	7.410	46150.00	10
GU_403600	ESB	17.250	46150.00	10
GU_403610	ESB	64.120	46150.00	10
GU_403620	ESB	64.120	46150.00	10
GU_403630	ESB	17.250	46150.00	10
GU_403650	ESB	107.730	46150.00	10
GU_403660	ESB	39.450	46150.00	10
GU_403670	ESB	0.000	-	-
GU_403680	ESB	64.120	46150.00	10
GU_500040	ESB	364.991	43030.26	1
GU_500041	ESB	0.000	-	-
GU_500130	Power NI PPB	222.053	43030.26	1
GU_500131	Power NI PPB	222.053	43030.26	1
GU_500140	Power NI PPB	92.213	43030.26	1
GU_500283	AES Ballylumford	53.128	43030.26	1
GU_500284	AES Ballylumford	53.128	43030.26	1
GU_500820	AES Kilroot Power	38.156	43030.26	1
GU_500821	AES Kilroot Power	38.156	43030.26	1
GU_500822	AES Kilroot Power	207.781	43730.00	1
GU_500823	AES Kilroot Power	209.946	43274.00	1
GU_500824	AES Kilroot Power	26.622	43030.26	1
GU_500825	AES Kilroot Power	26.622	43030.26	1
GU_500900	ContourGlobal Solutions	2.770	43030.26	1
GU_500904	ContourGlobal Solutions	11.110	43030.26	1
GU_501130	iPower	55.602	43030.26	1
GU_501230	Empower Generation	11.246	43030.26	1
GU_503220	Belfast Power	0.000	-	-
GU_503230	Low Carbon Storage Ireland	0.000	-	-
GU_503240	Low Carbon Storage Ireland	0.000	-	-
I_NIMOYLE	Moyle Interconnector	194.850	43030.26	1
I_ROIEWIC	EirGrid Interconnector DAC	209.500	46150.00	1

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
DSU_401270	EnerNOC Ireland	7.688	30/06/2018	N/A	N/A	26/09/2018	N/A	N/A	N/A	30/09/2022
DSU_401400	Electricity Exchange	6.637	30/04/2019	N/A	N/A	30/04/2019	N/A	N/A	N/A	30/04/2019
DSU_401530	ENDECO Technologies	6.210	15/10/2018	N/A	N/A	21/12/2018	N/A	N/A	N/A	15/03/2019
DSU_401610	EnerNOC Ireland	25.219	31/08/2021	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_401800	EnerNOC Ireland	2.566	31/03/2018	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_401870	Electricity Exchange	9.102	30/04/2019	N/A	N/A	30/04/2019	N/A	N/A	N/A	30/04/2019
DSU_401910	ENDECO Technologies	1.250	15/10/2018	N/A	N/A	21/12/2018	N/A	N/A	N/A	15/03/2019
DSU_402090	Electricity Exchange	2.656	30/04/2019	N/A	N/A	30/04/2019	N/A	N/A	N/A	30/04/2019
DSU_402100	Electricity Exchange	1.148	30/04/2019	N/A	N/A	30/04/2019	N/A	N/A	N/A	30/04/2019
DSU_402120	Electricity Exchange	2.329	30/04/2019	N/A	N/A	30/04/2019	N/A	N/A	N/A	30/04/2019
DSU_403020	EnerNOC Ireland	8.982	31/03/2018	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403030	EnerNOC Ireland	8.982	31/03/2018	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403040	EnerNOC Ireland	8.982	31/03/2018	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403050	EnerNOC Ireland	8.982	31/03/2018	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403080	EnerNOC Ireland	12.610	31/08/2021	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403120	EnerNOC Ireland	13.942	31/08/2021	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403430	EnerNOC Ireland	17.250	31/08/2021	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403450	EnerNOC Ireland	8.9250	31/08/2021	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_403470	EnerNOC Ireland	8.925	31/08/2021	N/A	N/A	26/03/2022	N/A	N/A	N/A	30/09/2022
DSU_501510	Energy Trading Ireland	6.030	01/01/2021	N/A	N/A	01/05/2022	N/A	N/A	N/A	30/08/2022
DSU_501590	Energy Trading Ireland	4.500	01/01/2021	N/A	N/A	01/05/2022	N/A	N/A	N/A	30/08/2022
GU_400311	ESB	107.730	01/01/2020	01/03/2020	01/06/2022	01/04/2022	01/06/2022	15/07/2022	01/08/2022	01/09/2022
GU_403440	Statkraft Ireland	44.500	31/10/2020	30/11/2020	31/01/2022	31/03/2022	31/03/2022	31/05/2022	31/08/2022	30/09/2022
GU_403560	ESB	7.410	01/03/2020	01/11/2020	15/01/2021	01/04/2021	01/05/2021	01/05/2021	01/06/2021	01/07/2021
GU_403600	ESB	17.250	01/03/2020	01/11/2020	15/01/2021	01/04/2021	01/05/2021	01/05/2021	01/06/2021	01/07/2021
GU_403610	ESB	64.120	01/09/2020	01/02/2021	01/02/2022	05/03/2022	01/05/2022	15/06/2022	01/07/2022	01/08/2022
GU_403620	ESB	64.120	01/09/2020	01/02/2021	01/02/2022	05/03/2022	01/05/2022	15/06/2022	01/07/2022	01/08/2022
GU_403630	ESB	17.250	01/03/2020	01/11/2020	15/01/2021	01/04/2021	01/05/2021	01/05/2021	01/06/2021	01/07/2021
GU_403650	ESB	107.730	01/01/2020	01/08/2020	01/06/2022	01/04/2022	01/06/2022	15/07/2022	01/08/2022	01/09/2022
GU_403660	ESB	39.450	01/03/2020	01/11/2020	15/01/2021	01/04/2021	01/05/2021	01/05/2021	01/06/2021	01/07/2021
GU_403680	ESB	64.120	01/09/2020	01/02/2021	01/02/2022	05/03/2022	01/05/2022	15/06/2022	01/07/2022	01/08/2022
GU_501230	Empower Generation	3.312	29/10/2020	N/A	N/A	30/09/2022	N/A	N/A	N/A	30/09/2022

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	2377.574	7510.131	2783.582	9887.705
De-Rated Quantity Successful	1864.856	5547.592	1704.578	7412.448
De-Rated Quantity Unsuccessful	512.718	1962.539	1079.004	2475.257

A total of 709.907 MW of De-rated New Capacity was successful in the auction. This comprised of gas generation, wind generation, demand side units and storage.

Table 6 – New Capacity Locational Constraint Area

New Capacity (MW)	Northern Ireland	Ireland	Greater Dublin	Market Total
De-Rated Quantity Offered	461.177	1546.286	1303.63	2007.463
De-Rated Quantity Successful	13.842	696.065	526.27	709.907
De-Rated Quantity Unsuccessful	447.335	850.221	777.36	1297.556

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

- [Final 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.

