



2023/2024 T-1 Capacity Auction
Initial Auction Information Pack
IAIP2324T-1

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1. Introduction

2.1 Background and purpose

This Initial Auction Information Pack provides information relating to items listed within Section D.3 of the Capacity Market Code for the T-1 Capacity Auction for the Capacity Year 2023/2024. The Auction will be referred to within this document as the 2023/2024 T-1 Capacity Auction. The Capacity Year will be referred to in this document as the 2023/2024 T-1 Capacity Year. All information set out in this document relates solely to the 2023/2024 T-1 Capacity Auction.

In accordance with D.1.1.1 of the Capacity Market Code, the Capacity Year 2023/2024 is the period commencing at the start of the Trading Day beginning at 23:00 on 30th September 2023 and ending at the end of the Trading Day ending at 23:00 on 30th September 2024.

In order to participate in a Capacity Auction, a party must be a fully registered and qualified participant in the Capacity Market. Information relating to the registration process can be found via the Capacity Market Registration section of the SEMO website¹.

Please note that information published within this pack may be subject to amendment within the Final Auction Information Pack per Capacity Market Code, Section D.3.1.4. Care has been taken within this document to clearly note where information is final or where it is indicative and subject to change.

The Final Auction Information Pack is due to be published in accordance with the Capacity Auction Timetable, CAT2324T-1. Per Section D.3.1.5 of the Capacity Market Code, before acting in reliance on any information contained within this document, please take care to ensure any amendments after the publication of the Final Auction Information Pack have been taken into consideration.

2.2 Units

For quantities specified in MW, '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.

Settlement of prices in units based on a 12 month year is provided for in accordance with paragraph F.17.1.1 of the Trading and Settlement Code.

In this document, unless specifically stated, Euro (€) values will apply to Participants located in Ireland and Sterling (£) values will apply to Participants located in Northern Ireland. The Capacity Auction will be conducted in Euros, with Sterling offers converted to Euros at the Annual Capacity Payment Exchange Rate.

2.3 Contact Details

The following are the official contact details that should be used for any queries you may have relating to a Capacity Auction:

Postal Correspondence:

FAO: Market Interface
Capacity Market Operations
The Oval,
160 Shelbourne Road
Ballsbridge
Dublin 4 D04 FW28
Ireland

Email Correspondence:

CapacityMarket@sem-o.com

Phone Correspondence:

If you have any questions on the application process or details please contact:
1800 726772 (ROI) or 0800 0726772 (NI)
+353 (1) 2370584 (International)

¹ <https://www.sem-o.com/>

2.4 Disclaimer

EirGrid plc (EirGrid) and SONI Limited (SONI) in their capacity as System Operators are required by the Capacity Market Code to publish the Initial Auction Information Pack for a Capacity Auction. This publication discharges that obligation.

EirGrid and SONI have followed accepted industry practice in the collection and analysis of data available. Prior to taking business decisions, interested parties should not rely on the data set out in this information pack as a substitute for obtaining separate and independent advice in relation to the matters covered by this information pack. Information in this document does not amount to a recommendation or advice in respect of any possible investment. The use of information contained within this information pack for any form of decision making is done so at the user's own risk. This information pack should be read in conjunction with the Capacity Market Code and Trading and Settlement Code including any amendments to these rules.

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2. Capacity Market Code Items

This document contains values for items listed within Section D.3.1.2 of the Capacity Market Code. Information determined by the Regulatory Authorities per Section D.3.1.3 is described as approved.

2.1 De-Rating Curves

D.3.1.2 (a) the final De-Rating Curves, defining De-Rating Factors by unit Initial Capacity and by Technology Class (including for Interconnectors) to be used in the Capacity Auction;

The Marginal De-Rating Curves approved by the Regulatory Authorities in accordance with Section D.3.1.3 (a) of the Capacity Market Code are set out in Tables 1 to 5.

The Annual Run-Hour Limit (ARHL) De-Rating Factors approved by the Regulatory Authorities in accordance with Section D.3.1.3 (aA) of the Capacity Market Code are set out in Table 6, in accordance with SEM-22-063 and SEM-22-044.

It is important to note that the de-rating factor used to assess Substantial Completion of any Awarded New Capacity will be based on the actual values for the commissioned Generator Units in accordance with G.3.1.4A of the Capacity Market Code, which is subject to modification in accordance with SEM-22-063 in respect of Annual Run-Hour Limits.

Table 1 – Initial Capacity Marginal De-Rating Curves by Technology Class and Initial Capacity

Initial Capacity (IC) (MW not de-rated)	DSU >6 hrs ²	Gas Turbine	Hydro	Steam Turbine	Interconnector ³	System Wide ⁴
0 ≤ IC ≤ 10	0.755	0.899	0.871	0.818	0.543	0.864
10 < IC ≤ 20	0.751	0.892	0.867	0.813	0.541	0.860
20 < IC ≤ 30	0.746	0.886	0.864	0.809	0.539	0.857
30 < IC ≤ 40	0.743	0.882	0.861	0.806	0.538	0.854
40 < IC ≤ 50	0.739	0.877	0.858	0.802	0.537	0.851
50 < IC ≤ 60	0.735	0.874	0.855	0.799	0.536	0.849
60 < IC ≤ 70	0.731	0.873	0.853	0.795	0.535	0.846
70 < IC ≤ 80	0.728	0.872	0.850	0.791	0.533	0.843
80 < IC ≤ 90	0.724	0.870	0.847	0.788	0.532	0.840
90 < IC ≤ 100	0.721	0.869	0.844	0.784	0.530	0.837
100 < IC ≤ 110	0.717	0.867	0.841	0.781	0.529	0.834
110 < IC ≤ 120	0.713	0.865	0.838	0.777	0.528	0.831
120 < IC ≤ 130	0.709	0.863	0.835	0.773	0.526	0.828
130 < IC ≤ 140	0.706	0.860	0.832	0.769	0.525	0.825
140 < IC ≤ 150	0.702	0.858	0.829	0.765	0.524	0.822
150 < IC ≤ 160	0.698	0.856	0.825	0.761	0.522	0.819
160 < IC ≤ 170	0.694	0.853	0.822	0.757	0.520	0.815
170 < IC ≤ 180	0.690	0.851	0.818	0.753	0.519	0.812
180 < IC ≤ 190	0.686	0.848	0.815	0.749	0.517	0.808
190 < IC ≤ 200	0.682	0.846	0.811	0.744	0.515	0.805
200 < IC ≤ 210	0.678	0.843	0.808	0.740	0.514	0.802
210 < IC ≤ 220	0.675	0.841	0.804	0.736	0.512	0.798
220 < IC ≤ 230	0.670	0.838	0.801	0.732	0.511	0.795
230 < IC ≤ 240	0.666	0.836	0.797	0.728	0.509	0.792
240 < IC ≤ 250	0.663	0.833	0.794	0.723	0.507	0.788
250 < IC ≤ 260	0.659	0.830	0.790	0.719	0.505	0.784
260 < IC ≤ 270	0.655	0.827	0.786	0.714	0.503	0.780
270 < IC ≤ 280	0.651	0.824	0.782	0.709	0.501	0.776
280 < IC ≤ 290	0.647	0.820	0.778	0.705	0.499	0.772
290 < IC ≤ 300	0.644	0.817	0.773	0.700	0.497	0.768
300 < IC ≤ 310	0.640	0.814	0.769	0.695	0.495	0.764
310 < IC ≤ 320	0.635	0.811	0.765	0.690	0.493	0.760
320 < IC ≤ 330	0.632	0.807	0.761	0.686	0.490	0.756
330 < IC ≤ 340	0.628	0.804	0.757	0.681	0.488	0.751
340 < IC ≤ 350	0.624	0.801	0.752	0.676	0.486	0.748
350 < IC ≤ 360	0.620	0.798	0.748	0.671	0.484	0.743
360 < IC ≤ 370	0.615	0.794	0.744	0.667	0.482	0.739
370 < IC ≤ 380	0.612	0.791	0.740	0.662	0.480	0.735
380 < IC ≤ 390	0.608	0.788	0.736	0.657	0.478	0.731
390 < IC ≤ 400	0.604	0.784	0.731	0.652	0.476	0.727
400 < IC ≤ 410	0.599	0.781	0.727	0.648	0.473	0.723
410 < IC ≤ 420	0.595	0.778	0.723	0.643	0.472	0.719
420 < IC ≤ 430	0.591	0.775	0.719	0.638	0.469	0.715
430 < IC ≤ 440	0.586	0.771	0.715	0.633	0.467	0.711
440 < IC ≤ 450	0.582	0.768	0.710	0.629	0.465	0.707
450 < IC ≤ 460	0.577	0.765	0.706	0.624	0.463	0.703
460 < IC ≤ 470	0.573	0.761	0.702	0.619	0.461	0.698
470 < IC ≤ 480	0.569	0.758	0.698	0.615	0.459	0.695
480 < IC ≤ 490	0.564	0.755	0.694	0.610	0.457	0.690
490 < IC ≤ 500	0.560	0.752	0.689	0.605	0.454	0.686

² In accordance with SEM Committee decision [SEM-18-030](#), DSUs with a Maximum Down Time of more than 6 hours should apply the appropriate Marginal De-Rating Factor based on the values set out in Table 1. DSUs with a Maximum Down Time of 6 hours or less should apply the appropriate Marginal De-Rating Factor based on the values set out in Table 4.

³ The Marginal De-Rating Factor for Interconnectors has been adjusted by an External Market De-Rating Factor of 0.60 for interconnectors from Great Britain to Ireland or Northern Ireland.

⁴ New Technology (i.e. a technology for which there is currently no technology class) should use the System Wide derating curve.

Table 2 – Initial Capacity Marginal De-Rating Curves for Pumped Hydro Storage Units

Initial Capacity (IC) (MW)	Hours of Storage												
	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0 or greater
0 ≤ IC ≤ 10	0	0.061	0.109	0.162	0.213	0.261	0.302	0.337	0.366	0.402	0.437	0.480	0.524
10 < IC ≤ 20	0	0.059	0.107	0.159	0.209	0.256	0.296	0.332	0.361	0.396	0.431	0.471	0.513
20 < IC ≤ 30	0	0.057	0.106	0.156	0.205	0.251	0.292	0.327	0.357	0.391	0.425	0.464	0.504
30 < IC ≤ 40	0	0.055	0.104	0.154	0.202	0.247	0.288	0.323	0.354	0.386	0.420	0.458	0.497
40 < IC ≤ 50	0	0.054	0.103	0.152	0.199	0.244	0.284	0.319	0.351	0.382	0.416	0.452	0.490
50 < IC ≤ 60	0	0.053	0.103	0.150	0.197	0.242	0.282	0.317	0.350	0.381	0.414	0.450	0.486
60 < IC ≤ 70	0	0.052	0.102	0.150	0.197	0.242	0.282	0.318	0.351	0.382	0.416	0.450	0.485
70 < IC ≤ 80	0	0.052	0.102	0.150	0.197	0.242	0.283	0.319	0.352	0.384	0.417	0.451	0.484
80 < IC ≤ 90	0	0.051	0.102	0.149	0.196	0.241	0.283	0.319	0.353	0.385	0.419	0.452	0.483
90 < IC ≤ 100	0	0.051	0.101	0.149	0.196	0.241	0.283	0.320	0.354	0.387	0.420	0.452	0.483
100 < IC ≤ 110	0	0.051	0.101	0.149	0.196	0.241	0.283	0.320	0.353	0.387	0.420	0.452	0.481
110 < IC ≤ 120	0	0.051	0.101	0.148	0.195	0.240	0.282	0.319	0.352	0.386	0.419	0.450	0.479
120 < IC ≤ 130	0	0.050	0.100	0.148	0.195	0.239	0.281	0.317	0.351	0.385	0.417	0.448	0.477
130 < IC ≤ 140	0	0.050	0.100	0.148	0.194	0.239	0.280	0.316	0.350	0.383	0.416	0.446	0.475
140 < IC ≤ 150	0	0.050	0.100	0.148	0.194	0.238	0.279	0.315	0.349	0.382	0.414	0.444	0.472
150 < IC ≤ 160	0	0.050	0.100	0.147	0.193	0.237	0.278	0.314	0.347	0.381	0.412	0.442	0.470
160 < IC ≤ 170	0	0.050	0.100	0.147	0.192	0.236	0.276	0.312	0.346	0.379	0.411	0.440	0.468
170 < IC ≤ 180	0	0.050	0.099	0.147	0.192	0.235	0.275	0.311	0.344	0.377	0.409	0.438	0.466
180 < IC ≤ 190	0	0.050	0.099	0.146	0.191	0.234	0.273	0.309	0.343	0.376	0.407	0.436	0.464
190 < IC ≤ 200	0	0.050	0.099	0.146	0.190	0.233	0.272	0.308	0.341	0.374	0.405	0.434	0.461

Table 3 – Initial Capacity Marginal De-Rating Curves for Other Storage Units

Initial Capacity (IC) (MW)	Hours of Storage												
	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0 or greater
0 ≤ IC ≤ 10	0	0.059	0.105	0.155	0.204	0.251	0.289	0.323	0.350	0.384	0.418	0.459	0.501
10 < IC ≤ 20	0	0.056	0.103	0.152	0.200	0.245	0.284	0.317	0.345	0.378	0.412	0.450	0.491
20 < IC ≤ 30	0	0.054	0.101	0.149	0.196	0.240	0.279	0.312	0.342	0.373	0.406	0.443	0.482
30 < IC ≤ 40	0	0.053	0.100	0.147	0.193	0.237	0.275	0.308	0.338	0.369	0.402	0.438	0.475
40 < IC ≤ 50	0	0.051	0.099	0.145	0.190	0.233	0.271	0.305	0.335	0.365	0.398	0.432	0.468
50 < IC ≤ 60	0	0.050	0.098	0.144	0.189	0.231	0.269	0.303	0.334	0.364	0.396	0.430	0.464
60 < IC ≤ 70	0	0.050	0.098	0.143	0.188	0.231	0.270	0.304	0.335	0.365	0.397	0.430	0.463
70 < IC ≤ 80	0	0.050	0.098	0.143	0.188	0.231	0.270	0.304	0.336	0.367	0.398	0.430	0.462
80 < IC ≤ 90	0	0.049	0.097	0.143	0.188	0.231	0.270	0.305	0.337	0.368	0.400	0.431	0.461
90 < IC ≤ 100	0	0.049	0.097	0.142	0.187	0.231	0.270	0.306	0.338	0.369	0.401	0.431	0.460
100 < IC ≤ 110	0	0.048	0.097	0.142	0.187	0.230	0.270	0.305	0.337	0.369	0.401	0.430	0.458
110 < IC ≤ 120	0	0.048	0.096	0.142	0.187	0.229	0.269	0.304	0.336	0.368	0.399	0.428	0.456
120 < IC ≤ 130	0	0.048	0.096	0.142	0.186	0.229	0.268	0.303	0.335	0.367	0.397	0.427	0.454
130 < IC ≤ 140	0	0.048	0.096	0.141	0.186	0.228	0.267	0.302	0.334	0.365	0.396	0.425	0.452
140 < IC ≤ 150	0	0.048	0.096	0.141	0.185	0.227	0.266	0.301	0.332	0.364	0.394	0.423	0.449
150 < IC ≤ 160	0	0.048	0.095	0.141	0.184	0.226	0.265	0.299	0.331	0.363	0.392	0.421	0.447
160 < IC ≤ 170	0	0.048	0.095	0.140	0.184	0.225	0.263	0.298	0.329	0.361	0.391	0.419	0.445
170 < IC ≤ 180	0	0.048	0.095	0.140	0.183	0.224	0.262	0.296	0.328	0.359	0.389	0.417	0.442
180 < IC ≤ 190	0	0.048	0.095	0.140	0.182	0.223	0.261	0.295	0.326	0.357	0.387	0.414	0.440
190 < IC ≤ 200	0	0.048	0.095	0.139	0.182	0.222	0.259	0.293	0.325	0.355	0.385	0.412	0.438

Table 4 – Initial Capacity Marginal De-Rating Curves for DSUs with Maximum Down Time ≤ 6 hours

Initial Capacity (IC) (MW)	Hours of Demand Reduction Capability												
	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	≤ 6.0
0 ≤ IC ≤ 10	0	0.071	0.124	0.170	0.213	0.253	0.288	0.315	0.336	0.357	0.379	0.407	0.437
10 < IC ≤ 20	0	0.070	0.123	0.168	0.211	0.250	0.285	0.312	0.333	0.354	0.376	0.404	0.434
20 < IC ≤ 30	0	0.067	0.119	0.165	0.206	0.245	0.280	0.307	0.329	0.350	0.373	0.399	0.428
30 < IC ≤ 40	0	0.065	0.118	0.162	0.203	0.242	0.277	0.304	0.326	0.347	0.370	0.396	0.423
40 < IC ≤ 50	0	0.063	0.116	0.160	0.201	0.239	0.273	0.301	0.323	0.344	0.368	0.393	0.419
50 < IC ≤ 60	0	0.061	0.114	0.158	0.198	0.236	0.271	0.298	0.321	0.342	0.366	0.390	0.416
60 < IC ≤ 70	0	0.060	0.113	0.156	0.197	0.234	0.268	0.296	0.319	0.340	0.365	0.388	0.412
70 < IC ≤ 80	0	0.059	0.111	0.154	0.195	0.232	0.267	0.295	0.318	0.339	0.363	0.386	0.410
80 < IC ≤ 90	0	0.058	0.110	0.153	0.194	0.231	0.265	0.293	0.317	0.339	0.362	0.385	0.408
90 < IC ≤ 100	0	0.057	0.109	0.152	0.192	0.230	0.264	0.292	0.315	0.338	0.361	0.384	0.405
100 < IC ≤ 110	0	0.056	0.107	0.150	0.191	0.229	0.262	0.290	0.313	0.337	0.360	0.382	0.403
110 < IC ≤ 120	0	0.055	0.106	0.149	0.189	0.227	0.260	0.288	0.312	0.335	0.358	0.380	0.401
120 < IC ≤ 130	0	0.055	0.106	0.149	0.189	0.226	0.259	0.287	0.310	0.334	0.357	0.378	0.399
130 < IC ≤ 140	0	0.055	0.106	0.149	0.188	0.225	0.258	0.285	0.309	0.332	0.355	0.377	0.397
140 < IC ≤ 150	0	0.056	0.106	0.148	0.188	0.224	0.257	0.284	0.308	0.331	0.353	0.375	0.395
150 < IC ≤ 160	0	0.057	0.106	0.148	0.188	0.223	0.255	0.283	0.307	0.330	0.352	0.373	0.393
160 < IC ≤ 170	0	0.057	0.106	0.148	0.187	0.223	0.254	0.281	0.305	0.328	0.350	0.371	0.391
170 < IC ≤ 180	0	0.057	0.105	0.147	0.186	0.221	0.252	0.278	0.303	0.326	0.348	0.369	0.388
180 < IC ≤ 190	0	0.055	0.103	0.145	0.184	0.219	0.249	0.276	0.300	0.323	0.345	0.366	0.385
190 < IC ≤ 200	0	0.054	0.101	0.143	0.181	0.216	0.246	0.272	0.297	0.319	0.342	0.362	0.382

Note: the values of Initial Capacity in units of MW are values prior to the application of De-Rating Factors.

Table 5 - Initial Capacity Marginal De-Rating Factors for Wind and Solar

Wind	Solar
0.064	0.182

Table 6 - Annual Run-Hour Limit (ARHL) De-Rating Factors

Initial Annual Run Hour Limit (hours)	New Gas Turbine	New Steam Turbine	Other
≤ 500 hours	0.14	0.14	1
> 500 ≤ 1500 hours	0.43	0.43	1
>1500 hours	1	1	1

2.2 Final Capacity Requirement

D.3.1.2 (b) the final Capacity Requirement for the Capacity Year to be used in the Capacity Auction;

The Capacity Requirement is determined by the Regulatory Authorities in accordance with Section D.3.1.3 (b) of the Capacity Market Code. The Capacity Requirement is set out in Table 7.

Table 7 - Capacity Requirement

Capacity Requirement (MW)
6621

N.B. The actual capacity to be auctioned is subject to adjustment to account for a number of considerations and will be set out in the final Demand Curve and Locational Capacity Constraint Required Quantities set by the Regulatory Authorities and published in the Final Auction Information Pack.

2.3 Indicative Demand Curve

D.3.1.2 (c) an indicative Demand Curve to be used in the Capacity Auction;

The Demand Curve is determined by the Regulatory Authorities in accordance with section F.3 of the Capacity Market Code. The approved **indicative** Demand Curve is set out in Table 8:

Table 8 - Indicative Demand Curve to be used in the Capacity Auction

De-Rated Capacity (MW)	Demand Curve Point (€/MW per year)
TBC	146,920
TBC	146,920
TBC	92,300
TBC	0

N.B. The final Demand Curve will be set by the Regulatory Authorities prior to the issue of the Final Auction Information Pack, and shall be confirmed within the Final Auction Information Pack.

2.4 Locational Capacity Constraints

D.3.1.2 (d) for each Locational Capacity Constraint for the relevant Capacity Year to be used in the Capacity Auction, the final nodes on the Transmission System (and the Distribution System, as applicable) to which the Locational Capacity Constraint applies;

In accordance with Section C.2 of the Capacity Market Code and the approved Locational Capacity Constraints methodology ([SEM-17-040](#)), the System Operators calculate and submit to the Regulatory Authorities any Locational Capacity Constraints applicable to the Capacity Year for their determination. The approved Level 1 and Level 2 Locational Capacity Constraints are set out in Table 9 and Table 10.

Table 9 - Level 1 Locational Capacity Constraints

Level	Locational Capacity Constraint Area Name	Associated Level 2 Locational Constraint Area(s)	Locational Capacity Constraint Area Nodes	Required Quantity (MW) ⁵
1	L1-1: Northern Ireland		All nodes within Northern Ireland	Value to be provided in Final Auction Information Pack
1	L1-2: Ireland		All nodes within Ireland except those in Greater Dublin	Value to be provided in Final Auction Information Pack
1	L1-3: Greater Dublin ⁶	L2-1: Dublin North L2-2: Dublin South	All nodes within Dublin North and Dublin South Level 2 LCC Areas	Value to be provided in Final Auction Information Pack

⁵ Required Quantity (MW) represented in de-rated MW values.

⁶ If a new node is to be connected within the Level 2-1 Greater Dublin then it must meet either of these conditions: (i) the new node must be electrically connected between two nodes listed under the L2-1 Greater Dublin nodes; or (ii) an outage of a single item of plant in an otherwise intact network results in the new node being electrically connected to an existing L2-1 Greater Dublin node and no other node outside of L2-1 Greater Dublin area.

Table 10 - Level 2 Locational Capacity Constraints

Level	Locational Capacity Constraint Area Name	Associated Level 1 Locational Constraint Area	Locational Capacity Constraint Area Nodes	Required Quantity (MW) ⁷
2	L2-1: Dublin North	L1-3: Greater Dublin	<ol style="list-style-type: none"> 1. Artane 110 kV [ART] 2. Baltrasna 110 kV [BAL] 3. Barnageeragh 110 kV [BAG] 4. Belcamp 220/110 kV [BLC] 5. Bracetown 220 kV [BRT] 6. Cabra 110 kV [CAB] 7. Cloghran 110 kV [CLG] 8. Clonee 220 kV [CLE] 9. College Park 110 kV [COL] 10. Corduff 220/110 kV [CDU] 11. Cromcastle 110 kV [CRM] 12. Cruiserath 220 kV [CRH] 13. Dardistown 110 kV [DTN] 14. Darndale 110 kV [DND] 15. Finglas 220/110 kV [FIN] 16. Glasmore 110 kV [GLA] 17. Grange 110 kV [GRA] 18. Huntstown 220 kV [HUN] 19. Kilmore 110 kV [KLM] 20. Macetown 110 kV [MCE] 21. McDermott 110 kV [MCD] 22. Newbury 110 kV [NBY] 23. North Wall 220 kV [NW] 24. Pelletstown 110 kV [PTN] 25. Poolbeg 220 kV [PB]⁸ 26. Poppintree 110 kV [POP] 27. Ryebrook 110 kV [RYB] 28. Stephenstown 110 kV [SVN] 29. Shellybanks 220 kV [SHL] 30. Snughborough 110 kV [SBH] 31. Wolfe Tone 110 kV [WOL] 	Value to be provided in Final Auction Information Pack.
	L2-2: Dublin South	L1-3: Greater Dublin	<ol style="list-style-type: none"> 1. Adamstown 110 kV [ADM] 2. Airton 110 kV [ATN] 3. Barnakyle 110kV [BKY] 4. Blackrock 110 kV [BLA] 5. Castlebagot 110 kV [CBT] 6. City West 110kV [CTY] 7. Cookstown 110/38 kV [COO]⁹ 8. Corkagh 110 kV [CKG] 9. Clutterland 110 kV [CLU] 10. Fortunestown 110 kV [FTT] 11. Francis Street 110 kV [FRA] 12. Grange Castle 110 kV [GCA] 13. Harolds Cross 110 kV [HAR] 14. Heuston Square 110 kV [HEU] 15. Inchicore 220/110 kV [INC] 16. Irishtown 220 kV [ISH] 17. Kilmahud 110 kV [KUD] 18. Milltown 110 kV [MIL] 19. Misery Hill 110 kV [MHL] 20. Nangor 110 kV [NAN] 21. North Quays 110 kV [NQS] 22. Poolbeg 220 kV [PB]⁸ 23. Ringsend 110 kV [RE] 24. Trinity 110 kV [TRN] 25. Whitebank 110 kV [WBK] 	Value to be provided in Final Auction Information Pack.

⁷ Required Quantity (MW) represented in de-rated MW values.

⁸ Poolbeg node can be in North or South Dublin depending on which side of the interbus reactor the connection is made.

⁹ Cookstown 38 kV is fed from Inchicore which is in the LCC. Cookstown 10 kV is fed from Carrickmines and hence is not in the LCC.

2.5 Awarded Capacity

D.3.1.2 (e) at the date of the Initial Auction Information Pack, how much Awarded Capacity has already been procured for the relevant Capacity Year;

The Awarded Capacity for Capacity Year 2023/2024 is set out in Table 11.

Table 11 - Awarded Capacity

Awarded Capacity (MW)	
L1-1: Northern Ireland	1957.588
L1-2: Ireland	5347.937
L2-1: Dublin North	661.581
L2-2: Dublin South	1042.963

2.6 Auction Price Cap

D.3.1.2 (f) the final Auction Price Cap to be used in the Capacity Auction (in Euro and Sterling);

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed Auction Price Caps are set out in Table 12. As stated in SEM-22-644, the SEM Committee have proposed a value of €146,920/de-rated MW/year for inclusion in the IAIP. The SEM Committee is currently undertaking a Best New Entrant net CONE study, which may be complete prior to the issue of the Final Auction Information Pack. Depending on the outcome of that study, the SEM Committee may choose to revise the Auction Price Cap before the auction.

Table 12 – Auction Price Caps

Auction Price Cap (€/MW per year)	Auction Price Cap (£/MW per year)
146,920	130,846.95

2.7 Existing Capacity Price Cap

D.3.1.2 (g) the final Existing Capacity Price Cap to be used in the Capacity Auction (in Euro and Sterling);

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed Existing Capacity Price Caps are set out in Table 13.

Table 13 – Existing Capacity Price Caps

Existing Capacity Price Cap (€/MW per year)	Existing Capacity Price Cap (£/MW per year)
46,150	41,104.19

2.8 New Capacity Investment Rate Threshold

D.3.1.2 (h) the final €/MW rate of the New Capacity Investment Rate Threshold to be used in the Capacity Auction;

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed New Capacity Investment Rate Thresholds are set out in Table 14.

Table 14 – New Capacity Investment Rate Thresholds

New Capacity Investment Rate Threshold (€/MW)	New Capacity Investment Rate Threshold (£/MW)
300,000	267,180

2.9 Annual Stop-Loss Limit Factor

D.3.1.2 (i) the final Annual Stop-Loss Limit Factor applicable to Awarded Capacity allocated in the Capacity Auction;

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed Annual Stop-Loss Limit Factor is set out in Table 15.

Table 15 – Annual Stop-Loss Limit Factor

Annual Stop-Loss Limit Factor
1.5

2.10 Billing Period Stop-Loss Limit Factor

D.3.1.2 (j) the final Billing Period Stop-Loss Limit Factor applicable to Awarded Capacity allocated in the Capacity Auction;

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed Billing Period Stop-Loss Limit Factor is set out in Table 16.

Table 16 – Billing Period Stop-Loss Limit Factor

Billing Period Stop-Loss Limit Factor
0.5

2.11 Annual Capacity Payment Exchange Rate

D.3.1.2 (k) the indicative Annual Capacity Payment Exchange Rate applicable to Awarded Capacity allocated in the Capacity Auction;

The approved **indicative** Annual Capacity Payment Exchange Rates are set out in Table 17.

Table 17 - Annual Capacity Payment Exchange Rates

Annual Capacity Payment Exchange Rate	Annual Capacity Payment Exchange Rate
€1 = £0.8906	£1 = €1.12283

The Annual Capacity Payment Exchange Rate in Table 17 has been used to convert Euro values of the Auction Price Cap, the Existing Capacity Price Cap and the New Capacity Investment Rate Threshold into Sterling values.

N.B. The final Annual Capacity Payment Exchange Rate will be included in the Final Auction Information Pack. This rate has been calculated using the same approach that was used for calculating the SEM Annual Capacity Exchange Rate.

2.12 Increase and Decrease Tolerance

D.3.1.2 (l) the final allowed Increase Tolerance and Decrease Tolerance by Technology Class that may be applied by a Participant in its Application for Qualification to Capacity Market Unit de-ratings;

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed Increase and Decrease Tolerances are set out in Table 18.

Table 18 – Increase and Decrease Tolerances per Technology Class

Technology Class	INCTOL(%)	DECTOL(%)
All except DSUs	0	0
DSUs	0	100

The DECTOL for the DSU Technology Class also applies to any demand reduction component of a Candidate Unit that is part of an Autoproducer Site (where the demand reduction component is calculated as the Autoproducer Demand Reduction Volume / Maximum Export Capacity).

In accordance with SEM Committee decision [SEM-18-030](#), where satisfactory evidence is provided to the System Operators, the DECTOL shall be 100% for a Candidate Unit that, due to relevant emissions legislation, has its running hours restricted to an extent that would reasonably be considered to prevent reliable delivery of their De-rated Capacity at times of scarcity, e.g. the 500 hour limits set out in Annex V of the Industrial Emission Directive (2010/75) in relation to NOx emissions.

2.13 Performance Securities

D.3.1.2 (m) in respect of Performance Securities:

- (i) the final Performance Security Posting Dates/ Events applicable to Awarded New Capacity allocated in the Capacity Auction; and
- (ii) for each Performance Security Posting Date/ Event, the final €/MW rate to be applied in setting Performance Securities applicable to Awarded New Capacity allocated in the Capacity Auction;

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed final Performance Security Posting Dates / Events and final Performance Security Rates are set out in Table 19.

Table 19 - Performance Security Dates and Rates

Date / Event	Performance Security Rate (€/MW)
From 13 months to beginning of Capacity Year	30,000
From beginning of Capacity Year	40,000

2.14 Termination Charge Rates

D.3.1.2 (n) the final €/MW fee rates for calculating Termination Charges applicable to Awarded New Capacity allocated in the Capacity Auction;

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed final Termination Charge rates are set out in Table 20.

Table 20 - Termination Charge Rates

Date / Event	Termination Rate (€/MW)
From 13 months to beginning of Capacity Year	30,000
From beginning of Capacity Year	40,000

2.15 Administered Scarcity Price

D.3.1.2 (o) anticipated values for the Full Administered Scarcity Price and the Reserve Scarcity Price Curve applicable to the Capacity Year;

As set out in the SEM Committee consultation ([SEM-22-064](#)), the proposed anticipated values of the Full Administered Scarcity Price and the Reserve Scarcity Price Curve are set out in Table 21.

Table 21 – Anticipated Administered Scarcity Price Curve

Short Term Reserve (MW)	Administered Scarcity Price (€/MWh)
Demand Control	25% of VoLL
0	25% of VoLL
500	DSU Theoretical Price

2.16 Strike Price

D.3.1.2 (p) anticipated values for the parameters listed in paragraph F.16.1.1 and F.16.1.5 of the Trading and Settlement Code to be applied in determining the Strike Price in accordance with the Trading and Settlement Code for the Capacity Year; and

The approved anticipated values to be applied in determining the Strike Price are set out in Table 22.

Table 22 – Anticipated Strike Price calculation components

Strike Price Component	Value	Unit
PCARBON _m	PCARBON _m Index	€/tCO ₂ e
PFUELNG _m	[PFUELNG _m Index (p/therm) x 0.01 (£/p) + PFUELNG _m Transport (£/therm)] x Exchange Rate (€/£) x 9.48 (therm/GJ) x 3.6 (GJ/MWh)	€/MWh
PFUELO _m	[PFUELO _m Index (\$/t) x Exchange Rate (€/£) + PFUELO _m Transport (€/t)] x 0.025 (t/GJ) x 3.6 (GJ/MWh)	€/MWh
PCARBON _m Index	ICE ECX EUA Futures – EUA - (monthly) ¹⁰	€/tCO ₂ e
PFUELNG _m Index	ICE UK Natural Gas Index (monthly)	p/therm
PFUELNG _m Transport	0.0424 ¹¹	£/therm
PFUELO _m Index	Platt's Forward Curve (monthly) for monthly swap transactions for 1% sulphur free on board (FOB) fuel oil cargoes in North West Europe (NWE) for the relevant month (AAEGRO0)	\$/t
PFUELO _m Transport	50 ¹²	€/t
FTHEORYPU _y	15	%
FCARBONING _y	0.202	tCO ₂ e/MWh
FCARBONINO _y	0.277	tCO ₂ e/MWh
PTHEORYDSU _y	500	€/MWh
Exchange Rate (€/£)	The Trading Day Exchange Rate as defined in the Trading and Settlement Code	€/£
Exchange Rate (€/£)	The rate set at 17:00 the day before the Trading Day, from the same source as used for the Trading Day Exchange Rate	€/£
therm per GJ	9.48 ¹³	therm/GJ
LSFO calorific value	0.025 ¹⁴	t/GJ

¹⁰ The December price for a given year will apply to all months falling within that year.

¹¹ NI natural gas transport adder used in I-SEM PLEXOS Forecast Model 2016-17.

¹² Based on ROI LSFO transport adder used in I-SEM PLEXOS Forecast Model 2016-17.

¹³ I-SEM PLEXOS Forecast Model 2016-17

¹⁴ I-SEM PLEXOS Forecast Model 2016-17

2.17 Capacity Auction Timetable

D.3.1.2 (q) the final Capacity Auction Timetable as it relates to events after the publication of the Initial Auction Information Pack (subject to section D.2).

The approved Capacity Auction Timetable is set out in Table 23.

Table 23 – Capacity Auction Timetable

	Event	Date
1	Initial Auction Information Pack Date: the last publication date for the Initial Auction Information Pack	05/12/2022
2	Opt-out Notification Date: the last date a Participant can submit an Opt-out Notification	19/12/2022
3	Exception Application Date: the last time a Participant can make an Exception Application to the Regulatory Authorities	16/01/2023
4	Qualification Application Date: the last date a Participant can submit an Application for Qualification in respect of the Capacity Auction	03/02/2023
5	Provisional Qualification Results Date: the date by which the System Operators are expected to inform persons who submit Applications for Qualification of Provisional SO Qualification Decisions in respect of the Capacity Auction	14/04/2023
6	Final Qualification Submission Date: the date by which the System Operators are expected to provide Final Qualification Results in respect of the Capacity Auction to the Regulatory Authorities for approval	12/06/2023
7	Final Qualification Results Date: the date by which the System Operators are expected to inform persons who submit Applications for Qualification of Final Qualification Decisions in respect of the Capacity Auction	30/06/2023
8	Qualification Results Publication Date: the date by which the System Operators are expected to publish the total Qualified capacity in respect of the Capacity Auction	30/06/2023
9	Date for finalising the Locational Capacity Constraint Limits for the Capacity Auction	30/06/2023
10	Final Auction Information Pack Date: the date by which the System Operators are expected to publish the Final Auction Information Pack for the Capacity Auction	30/06/2023
11	Capacity Auction Submission Commencement: the earliest date and time that Participants may submit Capacity Auction Offers in respect of Capacity Market Units Qualified to participate in the Capacity Auction	06/07/2023
12	Capacity Auction Submission End: the last date and time until Participants may submit Capacity Auction Offers in respect of Capacity Market Units Qualified to participate in the Capacity Auction	18/07/2023 10:00
13	Capacity Auction Run Start: the day and time that the System Operators initiate the run of the software program referred to in paragraph F.8.5.1 in respect of the Capacity Auction	18/07/2023 12:00
14	Capacity Auction Completion Date: the date by which the System Operators are expected to complete the Capacity Auction (including the Capacity Auction Monitor’s review)	25/07/2023
15	Capacity Auction Provisional Results Date: the date by which the System Operators are expected to provide provisional Capacity Auction results to Participants	25/07/2023
15A	Capacity Auction Provisional Results Publication Date: the date by which the System Operators are expected to publish provisional Capacity Auction Results	31/07/2023

	Event	Date
16	Capacity Auction Approval Date: the date by which the Regulatory Authorities are expected to approve the Capacity Auction results	31/08/2023
17	Capacity Auction Results Date: the date the System Operators are expected to publish the Capacity Auction results	07/09/2023
18	Performance Security Date: the last date for Participants to provide Performance Securities to the System Operators for Awarded New Capacity allocated in the Capacity Auction	25/09/2023

2.18 Timeframe for Reviewable Decisions and Qualification Disputes

Appendix C: Table B: Timeframe for Reviewable Decisions and Qualification Disputes.

The approved timetable for Reviewable Decisions and Qualification Disputes is set out in Table 24.

Table 24 – Timeframe for Reviewable Decisions and Qualification Disputes

	Event	Date
1	Timeframe within which Applications for Review must be lodged	18/04/2023
2	Timeframe within which System Operators may reject a non-complying Application for Review	20/04/2023
3	Timeframe within which Participant must comply with a request for further information	27/04/2023
4	Timeframe within which System Operators must notify Participant of outcome of their reconsideration	05/05/2023
5	Latest date for giving a Dispute Notice in relation to a Qualification Dispute	10/05/2023
6	Latest date by which the CMDRB shall give its decision in relation to a Qualification Dispute	07/06/2023

2.19 Implementation Progress Reporting Schedule

J.4.2.3 The System Operators shall publish:

- (a) the reporting schedule for Awarded New Capacity initially in the applicable Capacity Auction Timetable; and
- (b) any amended reporting schedule within two Working Days of receiving the schedule or amended schedule from the Regulatory Authorities.

Table 25 lists the Implementation Progress Reporting Schedule for the 2023/2024 T-1 Capacity Auction.

Table 25 - Implementation Progress Reporting Schedule

Report Name	Date
Implementation Progress Report 1	30/09/2023
Implementation Progress Report 2	22/03/2024
Implementation Progress Report 3	20/09/2024

The obligation also remains on the Participant with Awarded Capacity to report upon achieving the following Milestones (where applicable):

- (i) Substantial Financial Completion;
- (ii) Commencement of Construction Works; and
- (iii) Substantial Completion.

2.20 Substantial Financial Completion Period

Table 26 includes the Substantial Financial Completion Period applicable to this Capacity Auction.

D.3.1.2 The Initial Auction Information Pack for a Capacity Auction shall set out:

(r) The Substantial Financial Completion Period.

Table 26 – Substantial Financial Completion Period

Substantial Financial Completion Period
18 months

2.21 Long Stop Date

Table 27 includes the Long Stop Dates applicable to this Capacity Auction. The inclusion within the Initial Auction Information Pack is to draw attention to the change in definition of Long Stop Date as a result of the SEM Committee Decision ([SEM-18-030](#)).

Table 27 – Long Stop Date

For Capacity awards with a capacity duration of one year	For Capacity awards with a capacity duration greater than one year
31 st October 2023	31 st March 2025

3. Capacity Market Code Items Change Table

Information contained within this Initial Auction Information Pack (IAIP) may be subject to change during the publication of the Final Auction Information Pack (FAIP). The FAIP is due to be published in accordance with the Capacity Auction Timetable. Table 28 provides a breakdown of Capacity Market Code items which are deemed to be Final/Indicative and Anticipated.

Table 28 – Capacity Market Code Items Change Table

Code Item	IAIP	FAIP
De-Rating Curves	Final	Final
Capacity Requirement	Final	Final
Indicative Demand Curve	Indicative	Final
Locational Capacity Constraint Areas	Final	Final
Locational Capacity Constraint Minimum Requirement	Values not included in IAIP	Final
Awarded Capacity	Indicative	Final
Auction Price Cap	Final	Final
Existing Capacity Price Cap	Final	Final
New Capacity Investment Rate Threshold	Final	Final
Annual Stop-Loss Limit Factor	Final	Final
Billing Period Stop-Loss Limit Factor	Final	Final
Annual Capacity Payment Exchange Rate	Indicative	Final
Increase and Decrease Tolerance	Final	Final
Performance Securities	Final	Final
Termination Charge Rates	Final	Final
Administered Scarcity Price	Anticipated	Anticipated
Strike Price	Anticipated	Anticipated
Capacity Auction Timetable	Indicative	Final