

Constraint Forecast Analysis Reports for Enduring Connection Policy (ECP) 2.5

Results for Area B for Solar and Wind

Version 1.0

11/02/26



Revision History						
Revision	Date	Description	Originator	Reviewer	Checker	Approver
R0	11.02.2026	Overview results and node results in Area B	ECP Team	ECP Lead	ECP Senior Lead	Economic Analysis Manager

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1 Overview for Area B

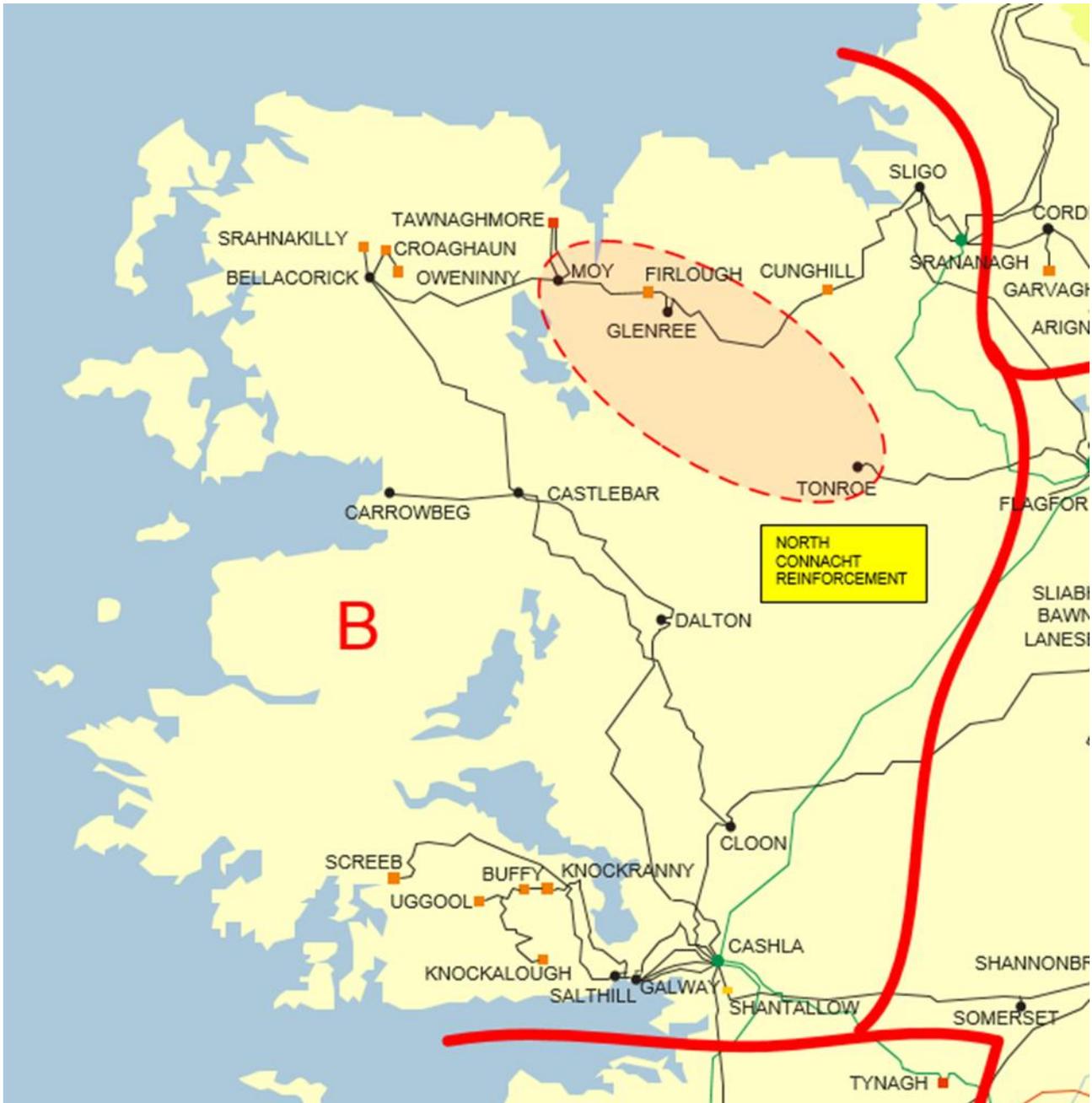


Figure 1-1 Network Map for Area B

The transmission network in Area B and the surrounding area is shown in Figure 1-1. Area B, in the west of the country includes a mix of wind and solar generation. The counties that are covered in this area include Sligo (partial), Mayo, Roscommon (partial), Leitrim and Galway (partial). The 220 kV circuits are shown in green and the 110 kV circuits in black. Possible future transmission stations and lines for the connection of new generation are also shown on the map above.

1.1 Introduction

This document is for customers wishing to see the estimated Total Dispatch Down for Area B. For information on the study assumptions, methodology and Ireland summary report please refer to the ECP webpage¹. This document contains two main sections:

Section 1: An overview of the estimated surplus, curtailment, and constraint values for Area B for a range of scenarios. There is a total of six core ECP-2.5 studies and eight sensitivity studies presented in this report. The results highly depend on the study assumptions, which are described in the Assumptions Document.

Section 2: Area B Node Results: provides a table of results for each renewable generator type at every node in the area. This table documents the installed capacity, available energy, surplus, curtailment, and constraint for every node in Area B.

1.2 Key Summary

At times of high renewable generation, there is a net export of power from Area B, and the dominant power flows tend to be from Area B towards the load centres on the east coast and the interconnectors. These flow patterns are relevant when seeking to understand constraint apportionment in the simulation.

Constraints in Area B can be caused both by local and wider system issues. Constraints in the model are optimised on a system-wide basis so, in theory, an increase in the installed generation in another area can increase constraints in Area B. Also, the power flowing out of Area B meets and joins with power flows from other areas, as the power flows towards east region.

In Area B, during the high renewable energy scenarios, the Cunghill 110kV and Sligo 110 kV region becomes a major bottleneck for the northern part of Area B. Power flowing from Area A and generation from Area B merge in this region. The 110 kV circuit from Bellacorick to both Sligo and Castlebar is heavily loaded. Additionally, the loss of a 220 kV circuit/transformer in this region creates an overload in the associated 110 kV circuits. Area B also sees binding issues for generators connected to the 110 kV lines that are connecting to Cashla 220 kV.

However, the generators at Castlebar 110 kV and Dalton 110 kV experience rescue flows pushing back to Bellacorick station and are hence considered as a part of A, B North subgroup. The 110 kV parallel paths are critical transmission infrastructure for these areas during times of high wind. Any loss of these 110 kV parallel lines results in additional dispatch down. This region is hence considered as a part of Area A to form Area A and B North subgroup.

For southern region of Area B, the issues are more localised around Galway and Salthill. The Cashla 220 kV Station by itself is well connected using the 220 kV circuits (Tynagh and Flagford) and is not considered as a part of this subgroup. Furthermore, the Cloon 110 kV station is connected to Cashla and Lanesboro and sees less congestion and is therefore also not included in this subgroup.

The North Connacht 110 kV project brings significant benefit to this area and is active for all study years. The Flagford - Sligo Capacity Needs project provides significant benefit to the northern region of area B in the Future Grid scenario.

¹ [https://www.eirgrid.ie/industry/customer-information/ecp-constraint-forecast-reports#Enduring%20Connection%20Policy%20\(ECP\)](https://www.eirgrid.ie/industry/customer-information/ecp-constraint-forecast-reports#Enduring%20Connection%20Policy%20(ECP))

1.3 Generation Overview

A detailed system-level overview of the renewable generation scenarios used in these studies is given in the area non-specific all Island Summary Report. The distribution of generation in each scenario based on technology, area and node is given in Assumptions document. The node-level installed wind and solar generation for Area A in the “ECP” scenario is given in Table 1-1. Installed and controllable energy in Area B is given in Table 1-2 for solar and Table 1-3 for wind.

Node	SO	Status	Solar	Wind
Bellacorick	DSO	due to connected		34
Bellacorick	TSO	connected		83
Bellacorick	DSO	connected		33
Bellacorick	DSO	due to connected		4
Bellacorick	TSO	connected		89
Bellacorick	TSO	due to connected		220
Bellacorick	DSO	connected		6
Bellacorick	DSO	connected		3
Cashla	TSO	due to connected	210	
Castlebar	DSO	due to connected	5	
Castlebar	DSO	connected		7
Castlebar	DSO	connected		8
Castlebar	DSO	connected		28
Cloon	DSO	due to connected	34	
Cloon	TSO	due to connected	50	
Cloon	DSO	due to connected		14
Cloon	DSO	connected		4
Cunghill	TSO	connected		35
Dalton	DSO	due to connected	20	
Dalton	DSO	connected		41
Dalton	DSO	connected		3
Firlough	TSO	due to connected		76
Galway	DSO	due to connected	1	
Glenree	DSO	connected		43
Glenree	DSO	due to connected		5
Glenree	DSO	connected		34
Knockranny	TSO	connected		91
Knockranny	TSO	due to connected		65

Knockranny	TSO	connected		34
Moy	DSO	due to connected	4	
Moy	DSO	connected		6
Salthill	DSO	connected		41
Sreebe	DSO	connected		6
Shantallow	TSO	due to connected	35	
Sligo	DSO	due to connected		4
Sligo	DSO	connected		14
Tawnaghmore	DSO	connected		19
Tonroe	DSO	due to connected		5
Tonroe	DSO	connected		12
Uggool	TSO	connected		169
Total			359	1236

Table 1-1 Wind and Solar Generation Summary (MW) in Area B for Generation Scenario "ECP"

Solar	ECP	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Ireland (MW)	9312	9312	9312	9312	9312
Installed Area B (MW)	359	359	359	359	359
Installed Controllable Area B (MW)	359	359	359	359	359
Available Controllable Area B (GWh)	459	459	459	459	459

Table 1-2 Installed MW and Available GWh for Area B - Solar

Wind	ECP	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Ireland (MW)	8197	11271	13197	13197	13197
Installed Area B (MW)	1235	1235	1235	1235	1235
Installed Controllable Area B (MW)	1179	1179	1179	1179	1179
Available Controllable Area B (GWh)	4083	4083	4083	4083	4083

Table 1-3 Installed MW and Available GWh for Area B - Wind

1.4 Subgroups

There is a post-processing step between the PLEXOS simulation and this report to ensure an appropriate allocation of constraints among generators sharing the bottlenecks. This is done by creating constraint subgroups within an area or spanning multiple different areas. The subgroups are selected based on an assessment of the raw PLEXOS results and based on TSO experience of dispatch down on the real system. The subgroups are chosen to group those generators into a constraint group that are expected to experience similar constraint levels. The subgroups are selected on the basis that they share a common transmission bottleneck, or they are electrically close to a congested area within the network.

It was observed that the PLEXOS internal logic was constantly choosing the same set of generators to dispatch down with respect to multiple contingencies in the area, thus identifying a need to share the constraints. The contingencies and overloaded lines associated with the area are included in All Island Summary report.

Analysis of Area B identified a constraint subgroup for solar and wind generation that are affected, they are north and south of Area B and west of Area C, therefore details of these has also been included. The subgroup nodes are given in Table 1-4. The individual node level dispatch down is given in Section 2.

Subgroup	Nodes
A, B North	Bellacorick
	Castlebar
	Cunghill
	Dalton
	Firlough
	Glenree
	Moy
	Sligo
	Tawnaghmore
	Tonroe
B South	Knockranny
	Salthill
	Uggool
	Galway
C	Cashla
	Cloon
	Shantallow

Table 1-4 Area B generators nodes and their subgroups



Figure 1-2 Subgroups A & B North, B South and C (subgroups outlined by blue dashed line)

1.5 Area B - Summary Results

The Total Dispatch Down results for Area B are provided below in Table 1-5 to Table 1-20 and Figure 1-3 to Figure 1-10. These include the breakdown between surplus, curtailment, and constraint. The Table 1-6, Table 1-8, Table 1-10, Table 1-12, Table 1-14, Table 1-16 Table 1-18 and table 1-20 gives the results of constraint sensitivity scenario. The Total Dispatch Down percentages are based on the total available energy. The Total Dispatch Down is the sum of surplus, curtailment, and constraint. The node level breakdown of surplus, curtailment and constraint are given in Section 2. The results show that the system level Total Dispatch Down increases with additional installed capacity due to a significant increase in surplus. However, the Total Dispatch Down reduces when the 2030 studies are compared with 2028 and there is a further reduction in the Future Grid scenario owing to increased demand, network reinforcement, interconnection, and relaxed system level operational limits.

For each generation type in Area B (solar non-priority, wind non-priority and wind priority), the total installed capacity in MW and total available generation in GWh are given in Table 1-5, to Table 1-20. The total generation in GWh after dispatch down and the corresponding percentage Total Dispatch Down are also included in the tables for each scenario. Details on the generation and network scenarios are given in the Assumptions document and Methodology report.

1.5.1 Non - priority Solar Results for A & B North

The solar not priority data is given in the following table.

Area B (A, B North)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	4	16	29					
Installed Capacity (MW)	2030	4	16	29	29	29			
Installed Capacity (MW)	FG						29	29	29
Available Energy (GWh)	2028	5	21	36					
Available Energy (GWh)	2030	5	21	36	36	36			
Available Energy (GWh)	FG						36	36	36
Generation (GWh)	2028	5	16	25					
Generation (GWh)	2030	5	16	25	21	23			
Generation (GWh)	FG						27	25	28
Surplus (%)	2028	7 %	12 %	23 %					
Surplus (%)	2030	8 %	15 %	24 %	33 %	30 %			
Surplus (%)	FG						22 %	28 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	1 %	5 %	4 %					
Constraint (%)	2030	0 %	4 %	3 %	3 %	2 %			
Constraint (%)	FG						2 %	1 %	2 %
Total Dispatch Down (%)	2028	12 %	21 %	32 %					
Total Dispatch Down (%)	2030	11 %	21 %	31 %	41 %	36 %			
Total Dispatch Down (%)	FG						26 %	32 %	21 %

Table 1-5 - Surplus, Curtailement and Constraint for Solar Non-priority in Area B (A, B North)

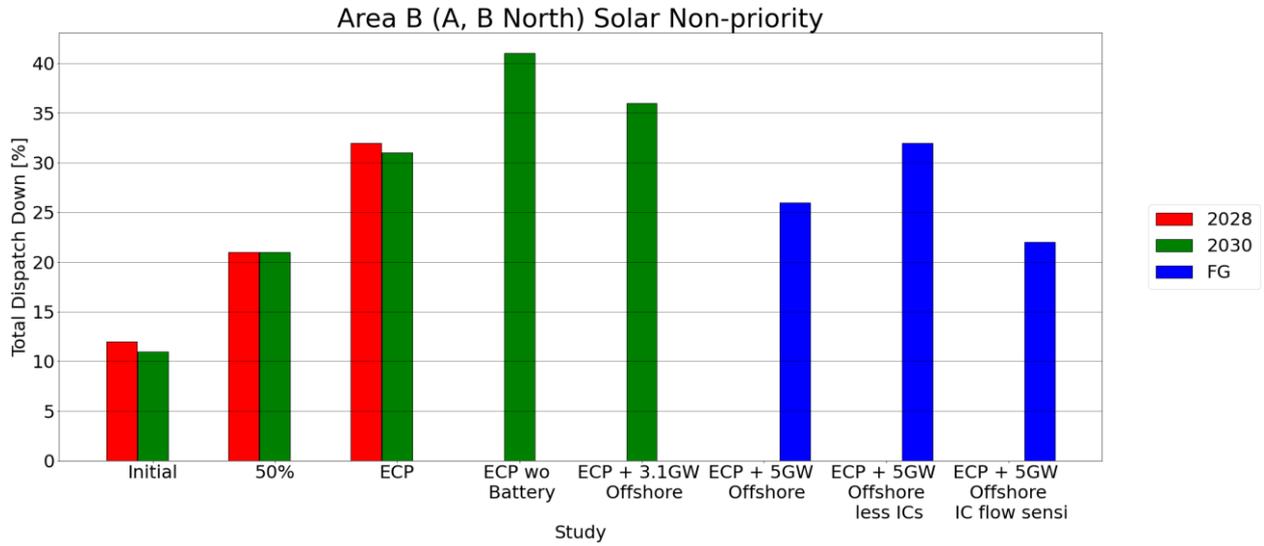


Figure 1-3 - Results Solar Non-priority Area B (A, B North)

Area B (A, B North)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	29	
Installed Capacity (MW)	2030	29	29
Available Energy (GWh)	2028	36	
Available Energy (GWh)	2030	36	36
Generation (GWh)	2028	25	
Generation (GWh)	2030	25	23
Surplus (%)	2028	23 %	
Surplus (%)	2030	24 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	4 %	
Constraint (%)	2030	3 %	2 %
Total Dispatch Down (%)	2028	32 %	
Total Dispatch Down (%)	2030	31 %	36 %

Table 1-6 - Surplus, Curtailement and Constraint for Solar Non-priority with Sensitivity in Area B (A, B North)

1.5.2 Non - priority Wind Results for A & B North

The wind not priority data is given in the following table.

Area B (A, B North)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	256	429	602					
Installed Capacity (MW)	2030	256	429	602	602	602			
Installed Capacity (MW)	FG						602	602	602
Available Energy (GWh)	2028	784	1314	1843					
Available Energy (GWh)	2030	779	1305	1830	1830	1830			
Available Energy (GWh)	FG						1830	1830	1830
Generation (GWh)	2028	435	666	792					
Generation (GWh)	2030	513	672	771	709	690			
Generation (GWh)	FG						918	892	1077
Surplus (%)	2028	18 %	23 %	29 %					
Surplus (%)	2030	14 %	24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	20 %	22 %	24 %					
Constraint (%)	2030	16 %	21 %	24 %	22 %	17 %			
Constraint (%)	FG						14 %	10 %	17 %
Total Dispatch Down (%)	2028	45 %	49 %	57 %					
Total Dispatch Down (%)	2030	34 %	49 %	58 %	61 %	62 %			
Total Dispatch Down (%)	FG						50 %	51 %	41 %

Table 1-7 - Surplus, Curtailement and Constraint for Wind Non-priority in Area B (A, B North)

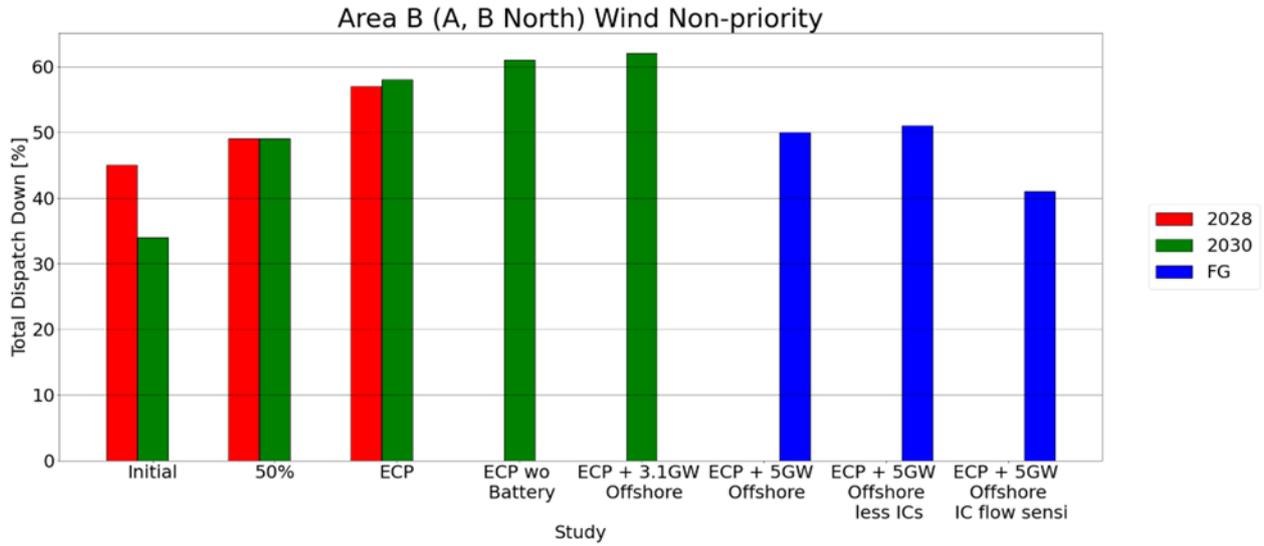


Figure 1-4- Results Wind Non-priority Area B (A, B North)

Area B (A, B North)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	602	
Installed Capacity (MW)	2030	602	602
Available Energy (GWh)	2028	1843	
Available Energy (GWh)	2030	1830	1830
Generation (GWh)	2028	926	
Generation (GWh)	2030	908	784
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	50 %	
Total Dispatch Down (%)	2030	50 %	57 %

Table 1-8- Surplus, Curtailement and Constraint for Wind Non-priority with Sensitivity in Area B (A, B North)

1.5.3 Priority Wind Results for A & B North

The wind priority data is given in the following table.

Area B (A, B North)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	164	164	164					
Installed Capacity (MW)	2030	164	164	164	164	164			
Installed Capacity (MW)	FG						164	164	164
Available Energy (GWh)	2028	501	501	501					
Available Energy (GWh)	2030	497	497	497	497	497			
Available Energy (GWh)	FG						497	497	497
Generation (GWh)	2028	449	452	449					
Generation (GWh)	2030	463	467	466	454	461			
Generation (GWh)	FG						468	469	483
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 1-9- Surplus, Curtailement and Constraint for Wind Priority in Area B (A, B North)

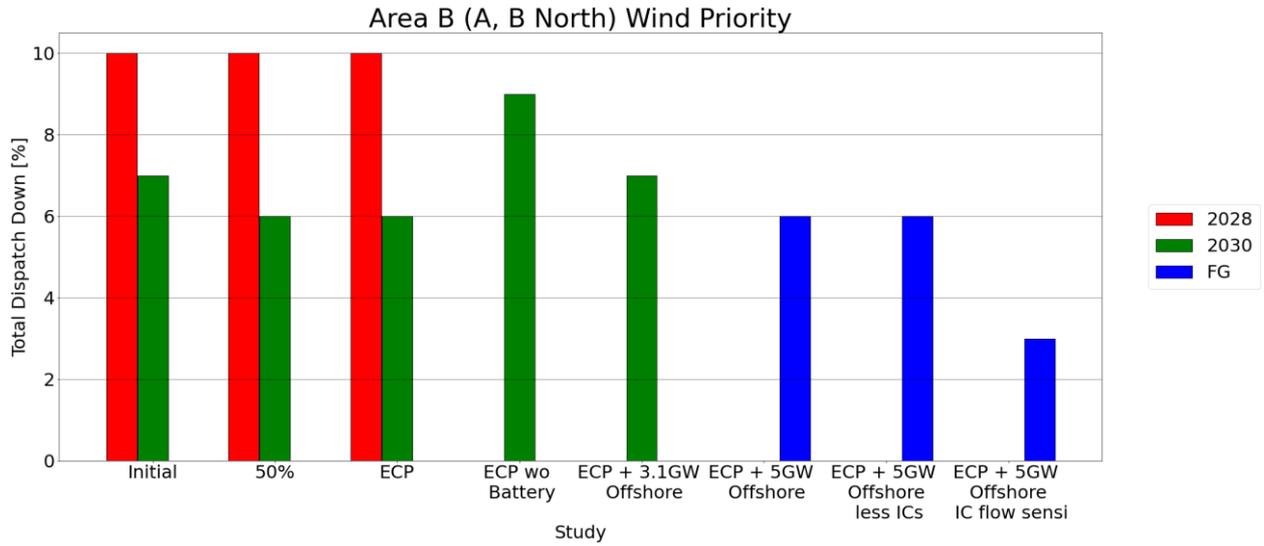


Figure 1-5- Results Wind Priority Area B (A, B North)

Area B (A, B North)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	164	
Installed Capacity (MW)	2030	164	164
Available Energy (GWh)	2028	501	
Available Energy (GWh)	2030	497	497
Generation (GWh)	2028	368	
Generation (GWh)	2030	382	403
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 1-10- Surplus, Curtailment and Constraint for Wind Priority with Sensitivity in Area B (A, B North)

1.5.4 Non-priority Solar Results for C

The solar not priority data is given in the following table.

Area B (C)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	20	174	329					
Installed Capacity (MW)	2030	20	174	329	329	329			
Installed Capacity (MW)	FG						329	329	329
Available Energy (GWh)	2028	26	224	422					
Available Energy (GWh)	2030	26	224	422	422	422			
Available Energy (GWh)	FG						422	422	422
Generation (GWh)	2028	22	181	276					
Generation (GWh)	2030	23	182	279	247	260			
Generation (GWh)	FG						286	269	309
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	2 %	2 %	6 %					
Constraint (%)	2030	0 %	1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028	14 %	19 %	35 %					
Total Dispatch Down (%)	2030	11 %	19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 1-11- Surplus, Curtailement and Constraint for Solar Non-priority in Area B (C)

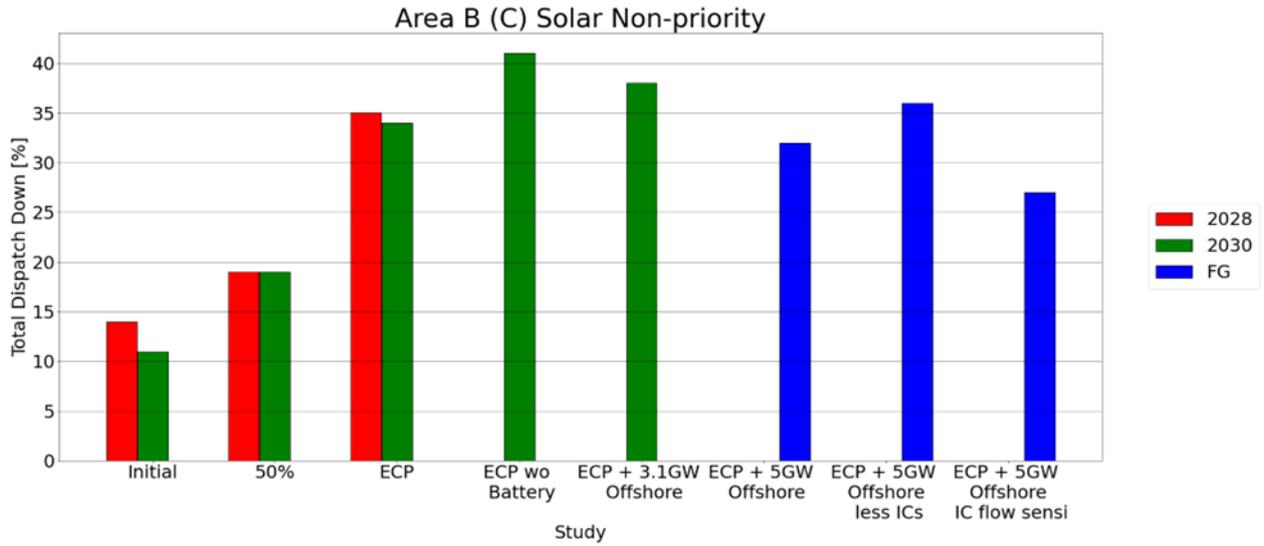


Figure 1-6- Results Solar Non-priority Area B (C)

Area B (C)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	329	
Installed Capacity (MW)	2030	329	329
Available Energy (GWh)	2028	422	
Available Energy (GWh)	2030	422	422
Generation (GWh)	2028	276	
Generation (GWh)	2030	279	260
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 1-12- Surplus, Curtailement and Constraint for Solar Non-priority with Sensitivity in Area B (C)

1.5.5 Non-priority Wind Results for C

The wind not priority data is given in the following table.

Area B (C)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		7	14					
Installed Capacity (MW)	2030		7	14	14	14			
Installed Capacity (MW)	FG						14	14	14
Available Energy (GWh)	2028		21	43					
Available Energy (GWh)	2030		21	43	43	43			
Available Energy (GWh)	FG						43	43	43
Generation (GWh)	2028		14	26					
Generation (GWh)	2030		15	28	25	23			
Generation (GWh)	FG						27	24	31
Surplus (%)	2028		23 %	29 %					
Surplus (%)	2030		24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		8 %	5 %					
Constraint (%)	2030		1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028		35 %	39 %					
Total Dispatch Down (%)	2030		28 %	34 %	40 %	46 %			
Total Dispatch Down (%)	FG						37 %	43 %	26 %

Table 1-13- Surplus, Curtailement and Constraint for Wind Non-priority in Area B (C)

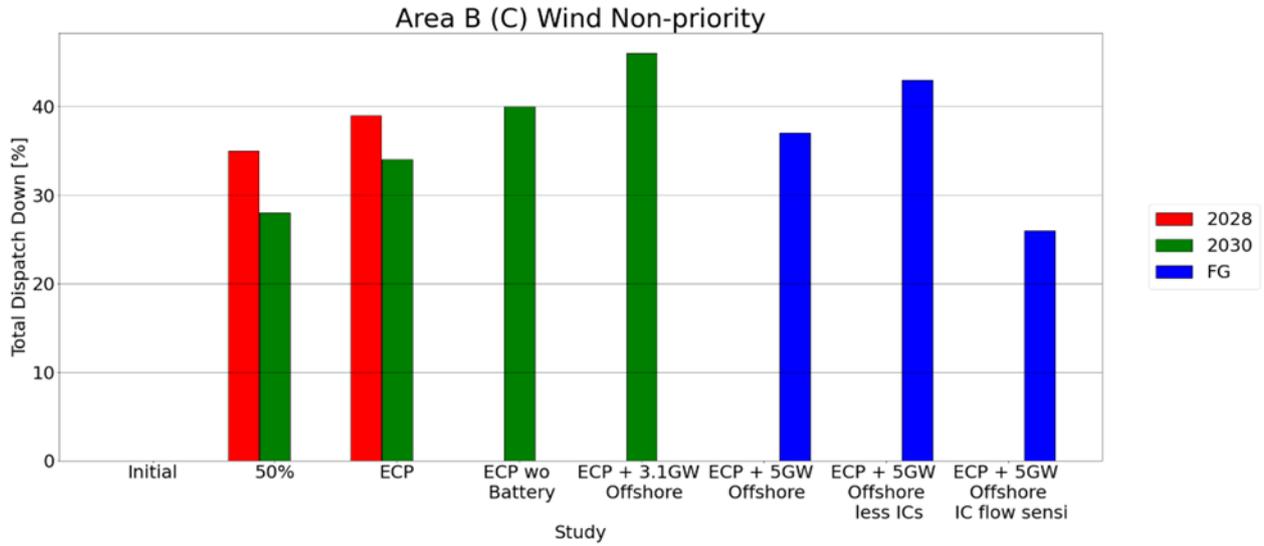


Figure 1-7- Results Wind Non-priority Area B (C)

Area B (C)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	14	
Installed Capacity (MW)	2030	14	14
Available Energy (GWh)	2028	43	
Available Energy (GWh)	2030	43	43
Generation (GWh)	2028	27	
Generation (GWh)	2030	28	23
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	38 %	
Total Dispatch Down (%)	2030	34 %	46 %

Table 1-14- Surplus, Curtailement and Constraint for Wind Non-priority with Sensitivity in Area B (C)

1.5.6 Non-priority Solar Results for B South

The solar not priority data is given in the following table.

Area B (B South)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		1	1					
Installed Capacity (MW)	2030		1	1	1	1			
Installed Capacity (MW)	FG						1	1	1
Available Energy (GWh)	2028		1	2					
Available Energy (GWh)	2030		1	2	2	2			
Available Energy (GWh)	FG						2	2	2
Generation (GWh)	2028		1	1					
Generation (GWh)	2030		1	1	1	1			
Generation (GWh)	FG						1	1	1
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		1 %	1 %					
Constraint (%)	2030		0 %	0 %	1 %	0 %			
Constraint (%)	FG						1 %	0 %	1 %
Total Dispatch Down (%)	2028		17 %	29 %					
Total Dispatch Down (%)	2030		17 %	28 %	38 %	34 %			
Total Dispatch Down (%)	FG						26 %	32 %	20 %

Table 1-15- Surplus, Curtailement and Constraint for Solar Non-priority in Area B (B South)

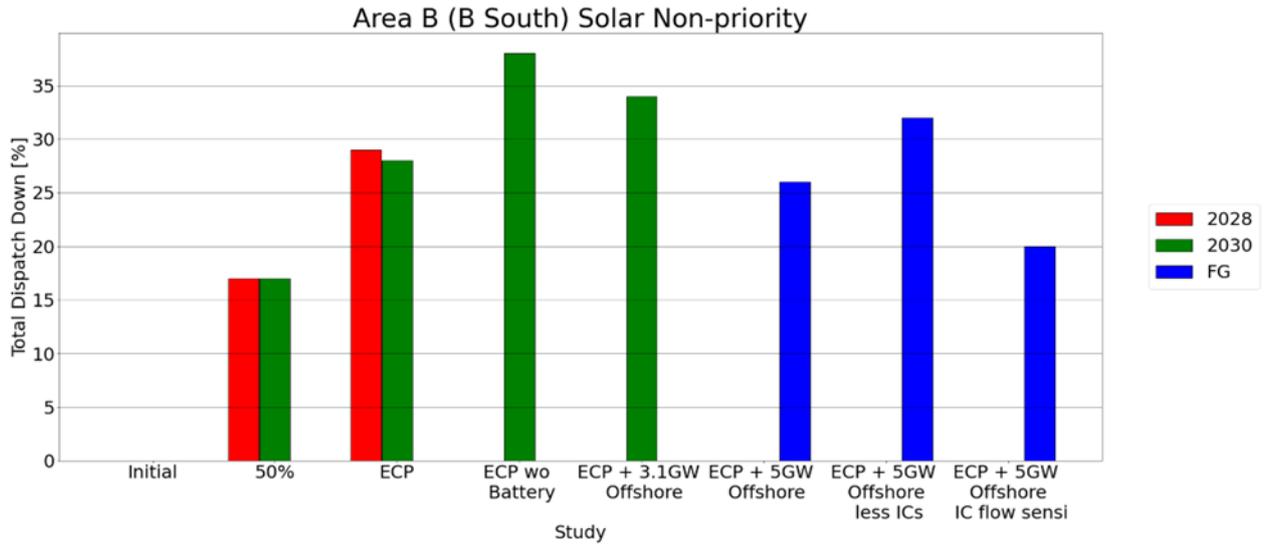


Figure 1-8 - Results Solar Non-priority Area B (B South)

Area B (B South)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	1	
Installed Capacity (MW)	2030	1	1
Available Energy (GWh)	2028	2	
Available Energy (GWh)	2030	2	2
Generation (GWh)	2028	1	
Generation (GWh)	2030	1	1
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	1 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	29 %	
Total Dispatch Down (%)	2030	28 %	34 %

Table 1-16- Surplus, Curtailement and Constraint for Solar Non-priority with Sensitivity in Area B (B South)

1.5.7 Non-priority Wind Results for B South

The wind not priority data is given in the following table.

Area B (B South)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	109	133	156					
Installed Capacity (MW)	2030	109	133	156	156	156			
Installed Capacity (MW)	FG						156	156	156
Available Energy (GWh)	2028	485	590	695					
Available Energy (GWh)	2030	483	588	692	692	692			
Available Energy (GWh)	FG						692	692	692
Generation (GWh)	2028	214	315	358					
Generation (GWh)	2030	338	379	408	375	345			
Generation (GWh)	FG						344	366	457
Surplus (%)	2028	13 %	17 %	22 %					
Surplus (%)	2030	10 %	18 %	24 %	28 %	35 %			
Surplus (%)	FG						27 %	32 %	18 %
Curtailed (%)	2028	6 %	5 %	4 %					
Curtailed (%)	2030	4 %	3 %	3 %	4 %	3 %			
Curtailed (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	37 %	25 %	22 %					
Constraint (%)	2030	16 %	15 %	15 %	14 %	12 %			
Constraint (%)	FG						21 %	13 %	15 %
Total Dispatch Down (%)	2028	56 %	47 %	48 %					
Total Dispatch Down (%)	2030	30 %	35 %	41 %	46 %	50 %			
Total Dispatch Down (%)	FG						50 %	47 %	34 %

Table 1-17- Surplus, Curtailment and Constraint for Wind Non-priority in Area B (B South)

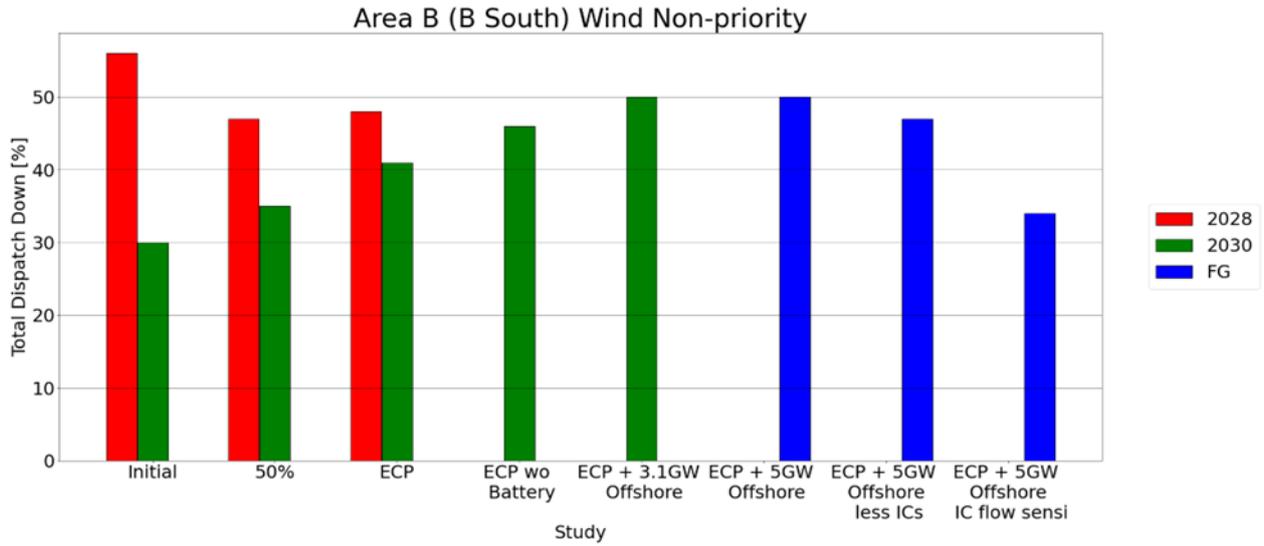


Figure 1-9- Results Wind Non-priority Area B (B South)

Area B (B South)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	156	
Installed Capacity (MW)	2030	156	156
Available Energy (GWh)	2028	695	
Available Energy (GWh)	2030	692	692
Generation (GWh)	2028	450	
Generation (GWh)	2030	469	395
Surplus (%)	2028	22 %	
Surplus (%)	2030	24 %	35 %
Curtailement (%)	2028	4 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	9 %	
Constraint (%)	2030	6 %	5 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	32 %	43 %

Table 1-18- Surplus, Curtailement and Constraint for Wind Non-priority with Sensitivity in Area B (B South)

1.5.8 Priority Wind Results for B South

The wind priority data is given in the following table.

Area B (B South)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	244	244	244					
Installed Capacity (MW)	2030	244	244	244	244	244			
Installed Capacity (MW)	FG						244	244	244
Available Energy (GWh)	2028	1025	1025	1025					
Available Energy (GWh)	2030	1020	1020	1020	1020	1020			
Available Energy (GWh)	FG						1020	1020	1020
Generation (GWh)	2028	935	941	935					
Generation (GWh)	2030	960	968	965	941	954			
Generation (GWh)	FG						969	970	994
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	9 %	9 %	9 %					
Curtailement (%)	2030	6 %	5 %	6 %	8 %	7 %			
Curtailement (%)	FG						5 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	9 %	9 %	9 %					
Total Dispatch Down (%)	2030	6 %	5 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						5 %	5 %	3 %

Table 1-19- Surplus, Curtailement and Constraint for Wind Priority in Area B (B South)

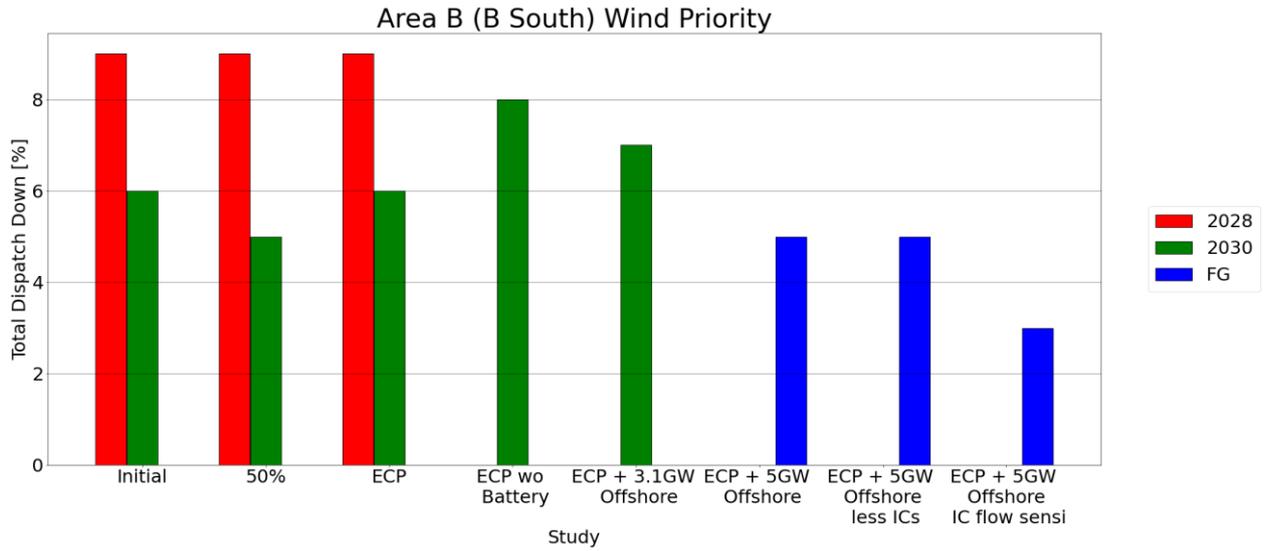


Figure 1-10- Results Wind Priority Area B (B South)

Area B (B South)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	244	
Installed Capacity (MW)	2030	244	244
Available Energy (GWh)	2028	1025	
Available Energy (GWh)	2030	1020	1020
Generation (GWh)	2028	843	
Generation (GWh)	2030	904	903
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	9 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	9 %	
Constraint (%)	2030	6 %	5 %
Total Dispatch Down (%)	2028	18 %	
Total Dispatch Down (%)	2030	12 %	12 %

Table 1-20- Surplus, Curtailement and Constraint for Wind Priority with Sensitivity in Area B (B South)

2 Area B Node Results

This section presents results for 17 nodes in Area B.

In each node section:

- One table presents a list of the generators at each node that are included in the study.
- For each generator type (solar not priority, wind not priority or wind priority), one table contains the estimated levels of surplus, curtailment and constraint that generators estimate to experience are reported for all study scenarios. Note that the constraint dispatch down allocation is based on Grandfathering, which results in non-priority generators being reduced ahead of priority generators for constraint reasons.
- In addition to the core studies, one table contains a set of sensitivity studies results are also included, which employs pro-rata allocation of constraints.

Example

If you take Bellacorick, the below table identified which are Grandfathering and Pro-rata, the entire rest of this document is structured in this manner.

Table 2-2	Grandfathering	
Figure 2-2	Grandfathering	
Table 2-3	Pro-rata	From table 2-2 to table 2-3, constraints dispatch down % and total dispatch down % are different.

2.1 Bellacorick



Figure 2-1- Location of node Bellacorick

Generator	SO	Capacity	Type	Status
Bellacorick (1)	DSO	6.45	wind priority	connected
Oweninny Power (1)	TSO	89.0	wind not priority	connected
Bunnahowen (1)	DSO	2.55	wind uncontrolled	connected
Oweninny Power (2)	TSO	83.0	wind not priority	connected
Sheskin (1)	DSO	32.9	wind not priority	connected
Corvoderry (was Gortnahurra (1))	DSO	33.9	wind not priority	due to connected
Oweninny 3 (Previously Oweninny 5)	TSO	50.0	wind not priority	due to connected
Dooleeg More (1)	DSO	2.5	wind not priority	due to connected
Dooleeg More Ext.	DSO	1.3	wind not priority	due to connected
Oweninny (3) extension	TSO	40.0	wind not priority	due to connected
Sheskin South	TSO	129.6	wind not priority	due to connected

Table 2-1- Generation Included in Study for Node Bellacorick

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	206	334	462					
Installed Capacity (MW)	2030	206	334	462	462	462			
Installed Capacity (MW)	FG						462	462	462
Available Energy (GWh)	2028	631	1023	1415					
Available Energy (GWh)	2030	627	1016	1406	1406	1406			
Available Energy (GWh)	FG						1406	1406	1406
Generation (GWh)	2028	350	519	609					
Generation (GWh)	2030	413	523	592	544	530			
Generation (GWh)	FG						705	685	827
Surplus (%)	2028	18 %	23 %	29 %					
Surplus (%)	2030	14 %	24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	20 %	22 %	24 %					
Constraint (%)	2030	16 %	21 %	24 %	22 %	17 %			
Constraint (%)	FG						14 %	10 %	17 %
Total Dispatch Down (%)	2028	45 %	49 %	57 %					
Total Dispatch Down (%)	2030	34 %	49 %	58 %	61 %	62 %			
Total Dispatch Down (%)	FG						50 %	51 %	41 %

Table 2-2- Surplus, Curtailement and Constraint for Wind non-priority for Node Bellacorick

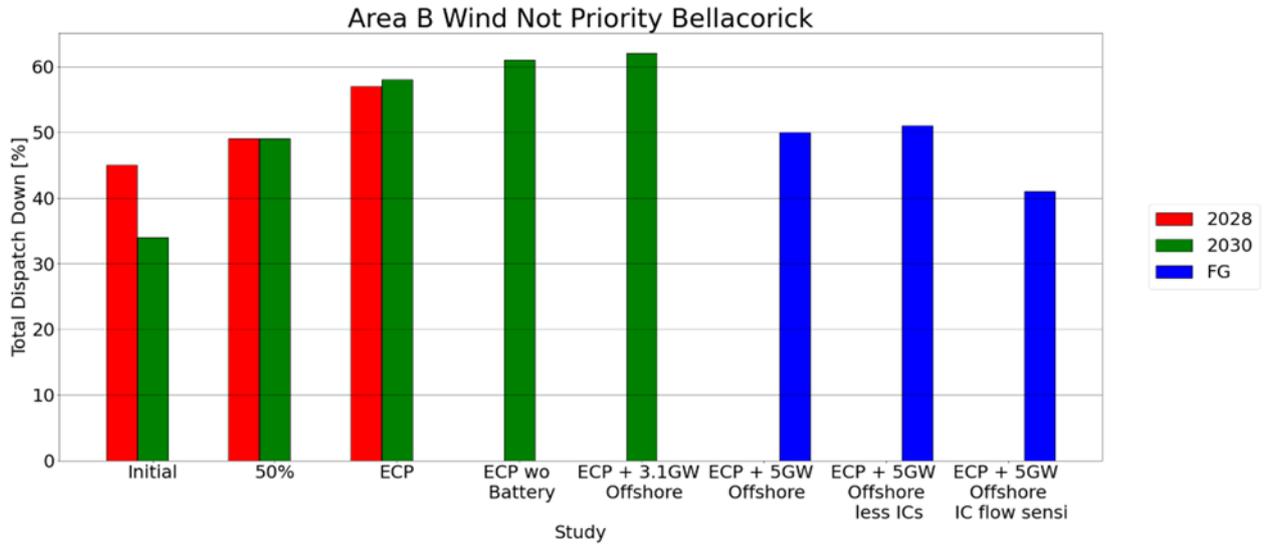


Figure 2-2- Total Dispatch Down for Wind not priority for Node Bellacorick

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	462	
Installed Capacity (MW)	2030	462	462
Available Energy (GWh)	2028	1415	
Available Energy (GWh)	2030	1406	1406
Generation (GWh)	2028	711	
Generation (GWh)	2030	697	602
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	50 %	
Total Dispatch Down (%)	2030	50 %	57 %

Table 2-3- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Bellacorick

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	6	6	6					
Installed Capacity (MW)	2030	6	6	6	6	6			
Installed Capacity (MW)	FG						6	6	6
Available Energy (GWh)	2028	20	20	20					
Available Energy (GWh)	2030	20	20	20	20	20			
Available Energy (GWh)	FG						20	20	20
Generation (GWh)	2028	18	18	18					
Generation (GWh)	2030	18	18	18	18	18			
Generation (GWh)	FG						18	19	19
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-4- Surplus, Curtailement and Constraint for Wind priority for Node Bellacorick

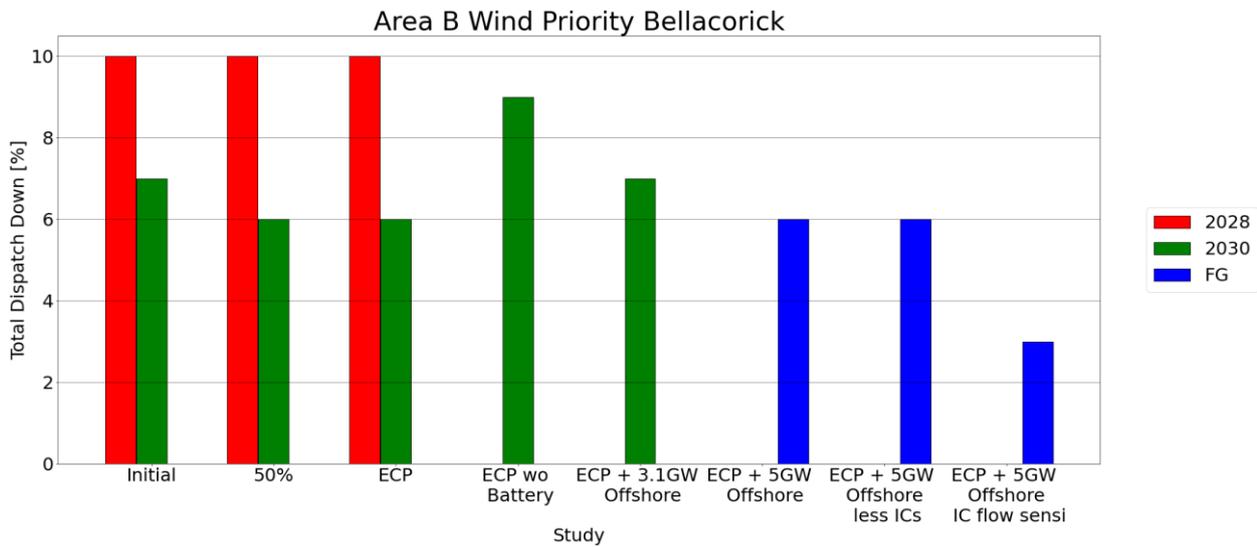


Figure 2-3- Total Dispatch Down for Wind priority for Node Bellacorick

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	6	
Installed Capacity (MW)	2030	6	6
Available Energy (GWh)	2028	20	
Available Energy (GWh)	2030	20	20
Generation (GWh)	2028	15	
Generation (GWh)	2030	15	16
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-5- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Bellacorick

2.2 Cashla

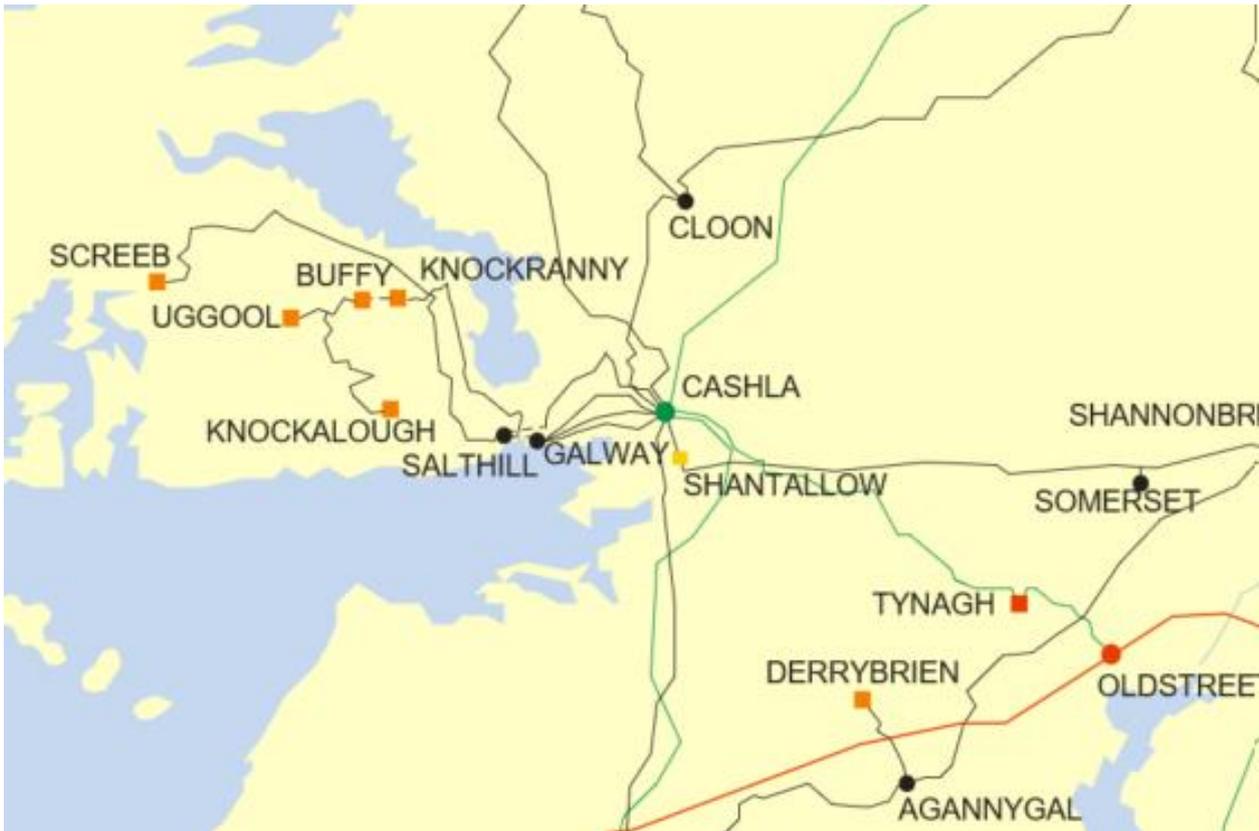


Figure 2-4- Location of node Cashla

Generator	SO	Capacity	Type	Status
Ballymoneen Solar Park	TSO	100.0	solar not priority	due to connected
Ballymoneen Phase 2	TSO	5.0	solar not priority	due to connected
Moyvilla Solar	TSO	85.0	solar not priority	due to connected
Ballymoneen ph3 solar	TSO	20.0	solar not priority	due to connected

Table 2-6- Generation Included in Study for Node Cashla

The solar not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		105	210					
Installed Capacity (MW)	2030		105	210	210	210			
Installed Capacity (MW)	FG						210	210	210
Available Energy (GWh)	2028		135	269					
Available Energy (GWh)	2030		135	269	269	269			
Available Energy (GWh)	FG						269	269	269
Generation (GWh)	2028		109	176					
Generation (GWh)	2030		109	178	158	166			
Generation (GWh)	FG						183	172	197
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-7- Surplus, Curtailement and Constraint for Solar non-priority for Node Cashla

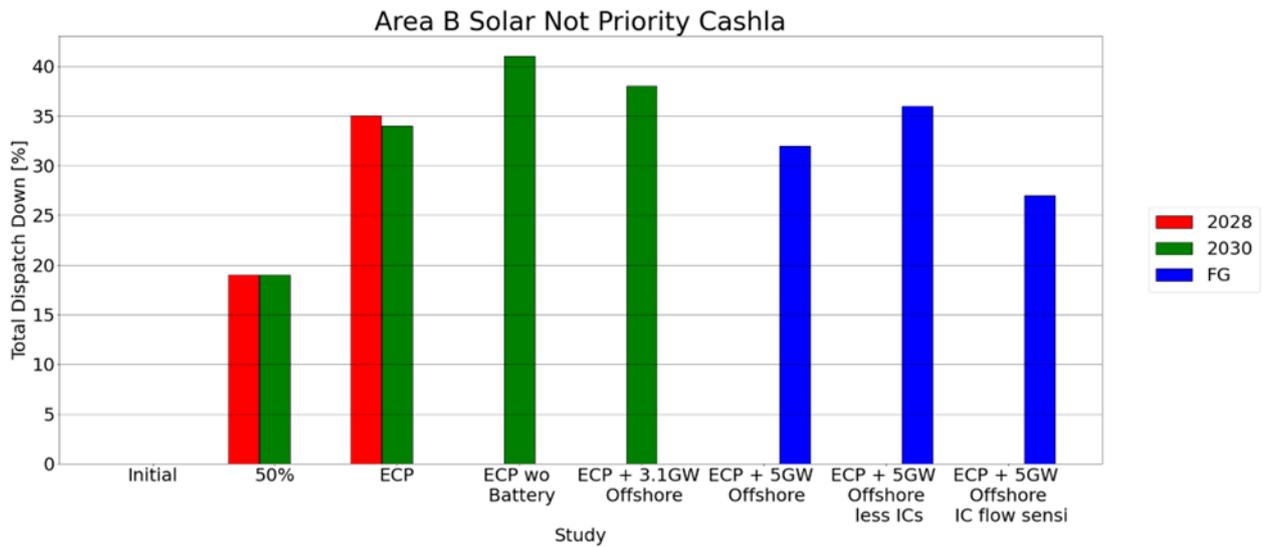


Figure 2-5- Total Dispatch Down for Solar not priority for Node Cashla

The solar not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	210	
Installed Capacity (MW)	2030	210	210
Available Energy (GWh)	2028	269	
Available Energy (GWh)	2030	269	269
Generation (GWh)	2028	176	
Generation (GWh)	2030	178	166
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-8- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Cashla

2.3 Castlebar

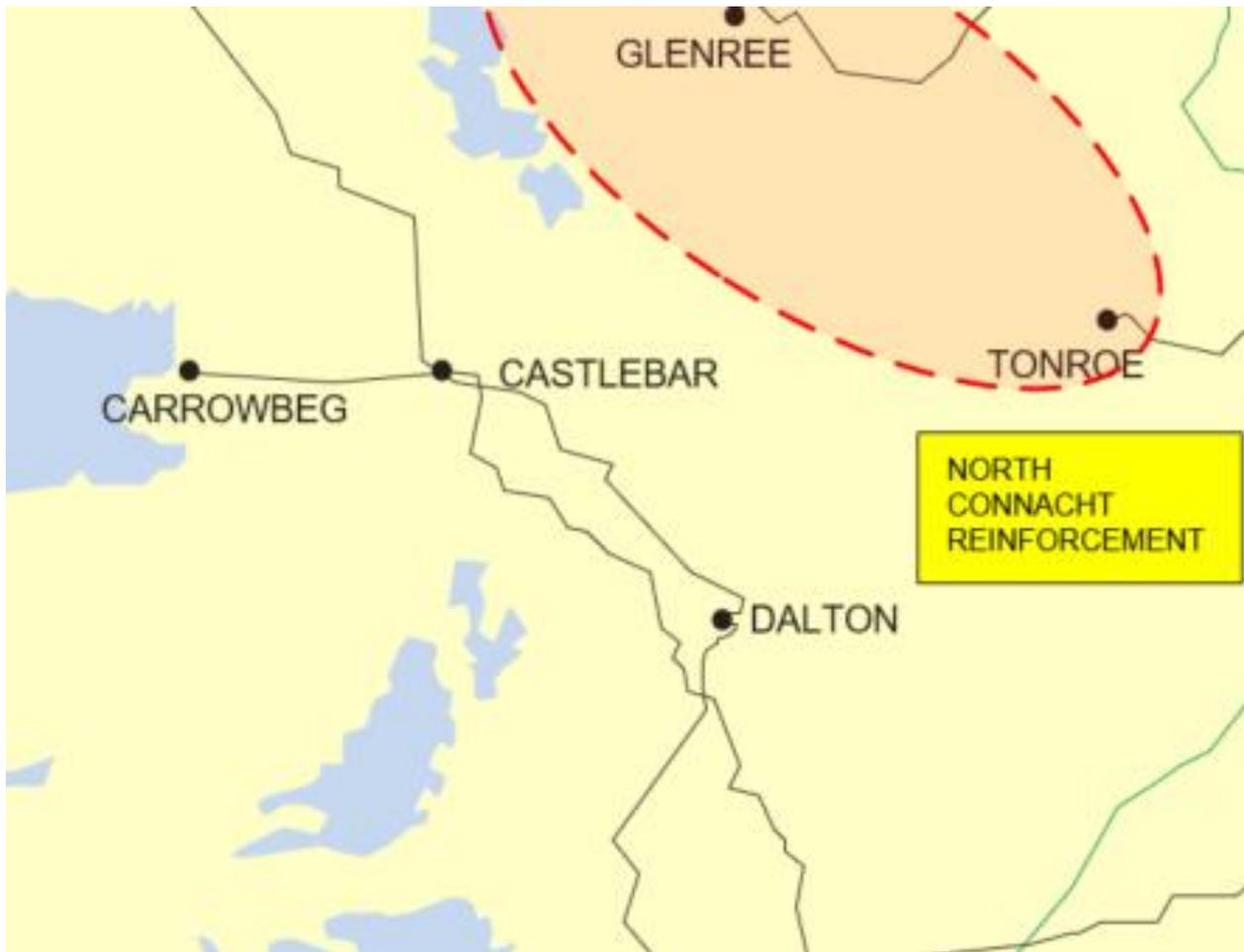


Figure 2-6- Location of node Castlebar

Generator	SO	Capacity	Type	Status
Cuillalea (1)	DSO	3.4	wind uncontrolled	connected
Raheen Barr (1)	DSO	18.7	wind uncontrolled	connected
Raheen Barr extension (was Derrynadivva extension)	DSO	6.8	wind not priority	connected
Lenanavea (Burren) Wind Farm	DSO	4.65	wind uncontrolled	connected
Cuillalea (2)	DSO	1.59	wind uncontrolled	connected
Derrynadivva Wind Farm (prev. Raheen Bar 2)	DSO	8.5	wind priority	connected
Moy Valley Decarbonising Community CLG	DSO	4.99	solar not priority	due to connected

Table 2-9- Generation Included in Study for Node Castlebar

The solar not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		2	5					
Installed Capacity (MW)	2030		2	5	5	5			
Installed Capacity (MW)	FG						5	5	5
Available Energy (GWh)	2028		3	6					
Available Energy (GWh)	2030		3	6	6	6			
Available Energy (GWh)	FG						6	6	6
Generation (GWh)	2028		3	4					
Generation (GWh)	2030		3	4	4	4			
Generation (GWh)	FG						5	4	5
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		5 %	4 %					
Constraint (%)	2030		4 %	3 %	3 %	2 %			
Constraint (%)	FG						2 %	1 %	2 %
Total Dispatch Down (%)	2028		21 %	32 %					
Total Dispatch Down (%)	2030		21 %	31 %	41 %	36 %			
Total Dispatch Down (%)	FG						26 %	32 %	22 %

Table 2-10- Surplus, Curtailement and Constraint for Solar non-priority for Node Castlebar

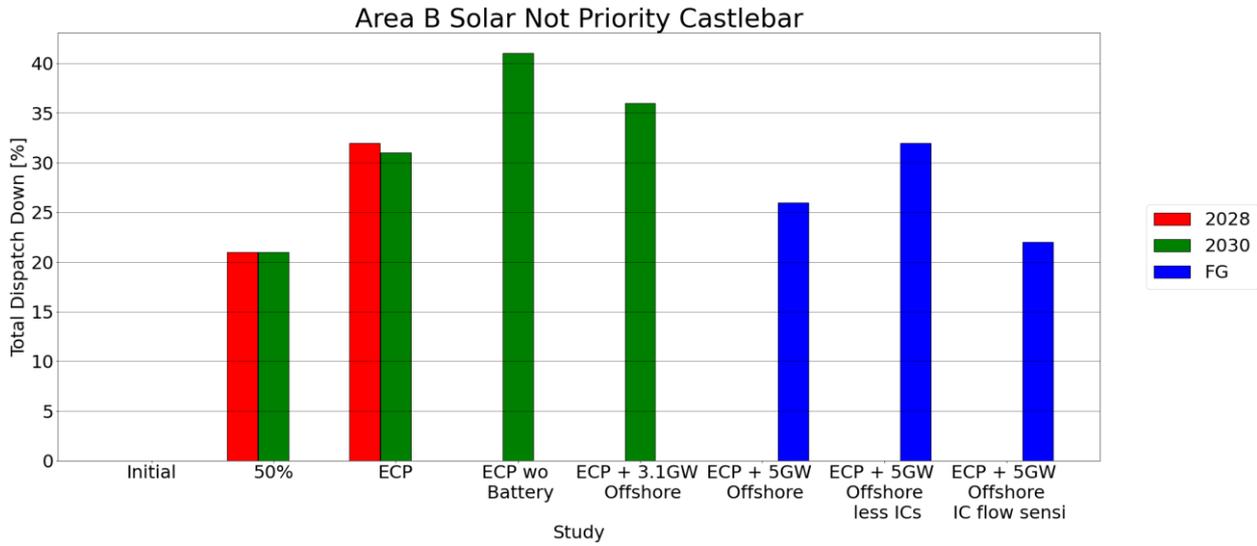


Figure 2-7- Total Dispatch Down for Solar not priority for Node Castlebar

The solar not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	5	
Installed Capacity (MW)	2030	5	5
Available Energy (GWh)	2028	6	
Available Energy (GWh)	2030	6	6
Generation (GWh)	2028	4	
Generation (GWh)	2030	4	4
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	4 %	
Constraint (%)	2030	3 %	2 %
Total Dispatch Down (%)	2028	32 %	
Total Dispatch Down (%)	2030	31 %	36 %

Table 2-11- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Castlebar

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	7	7	7					
Installed Capacity (MW)	2030	7	7	7	7	7			
Installed Capacity (MW)	FG						7	7	7
Available Energy (GWh)	2028	21	21	21					
Available Energy (GWh)	2030	21	21	21	21	21			
Available Energy (GWh)	FG						21	21	21
Generation (GWh)	2028	12	11	9					
Generation (GWh)	2030	14	11	9	8	8			
Generation (GWh)	FG						10	10	12
Surplus (%)	2028	18 %	23 %	29 %					
Surplus (%)	2030	14 %	24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	20 %	22 %	24 %					
Constraint (%)	2030	16 %	21 %	24 %	22 %	17 %			
Constraint (%)	FG						14 %	10 %	17 %
Total Dispatch Down (%)	2028	45 %	49 %	57 %					
Total Dispatch Down (%)	2030	34 %	49 %	58 %	61 %	62 %			
Total Dispatch Down (%)	FG						50 %	51 %	41 %

Table 2-12- Surplus, Curtailment and Constraint for Wind non-priority for Node Castlebar

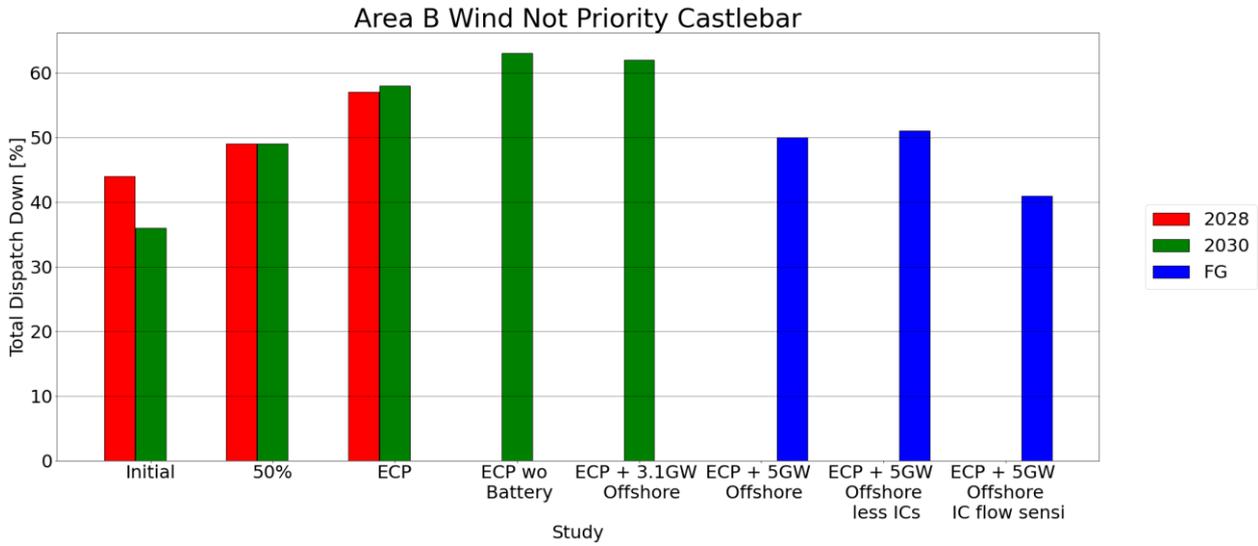


Figure 2-8- Total Dispatch Down for Wind not priority for Node Castlebar

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	7	
Installed Capacity (MW)	2030	7	7
Available Energy (GWh)	2028	21	
Available Energy (GWh)	2030	21	21
Generation (GWh)	2028	10	
Generation (GWh)	2030	10	9
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	50 %	
Total Dispatch Down (%)	2030	50 %	57 %

Table 2-13- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Castlebar

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	8	8	8					
Installed Capacity (MW)	2030	8	8	8	8	8			
Installed Capacity (MW)	FG						8	8	8
Available Energy (GWh)	2028	26	26	26					
Available Energy (GWh)	2030	26	26	26	26	26			
Available Energy (GWh)	FG						26	26	26
Generation (GWh)	2028	23	24	23					
Generation (GWh)	2030	24	24	24	24	24			
Generation (GWh)	FG						24	24	25
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-14- Surplus, Curtailement and Constraint for Wind priority for Node Castlebar

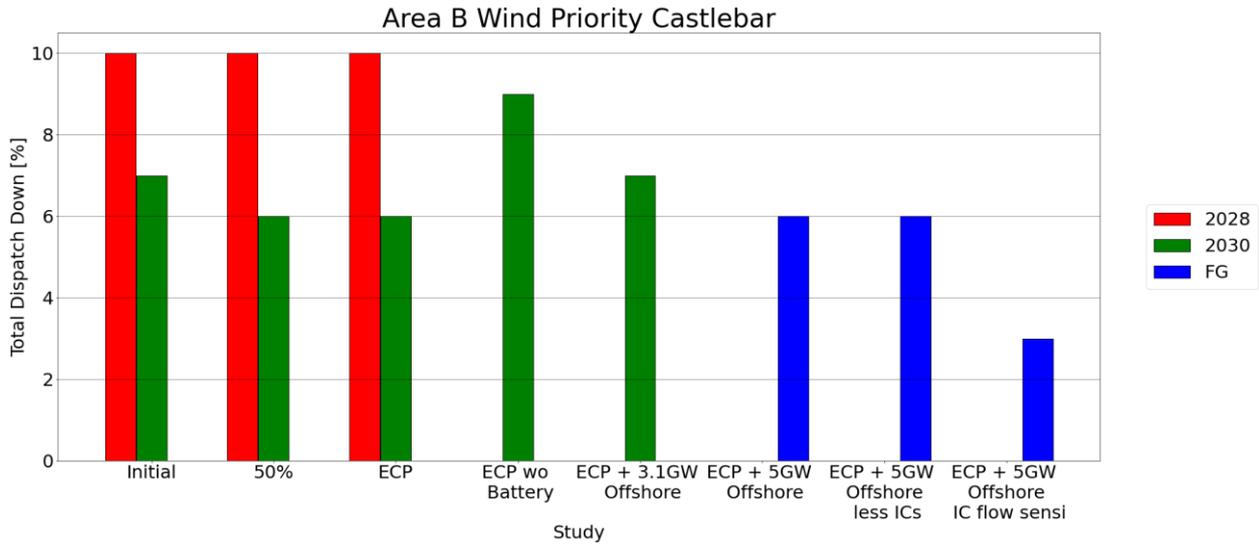


Figure 2-9- Total Dispatch Down for Wind priority for Node Castlebar

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	8	
Installed Capacity (MW)	2030	8	8
Available Energy (GWh)	2028	26	
Available Energy (GWh)	2030	26	26
Generation (GWh)	2028	19	
Generation (GWh)	2030	20	21
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-15- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Castlebar

2.4 Cloon

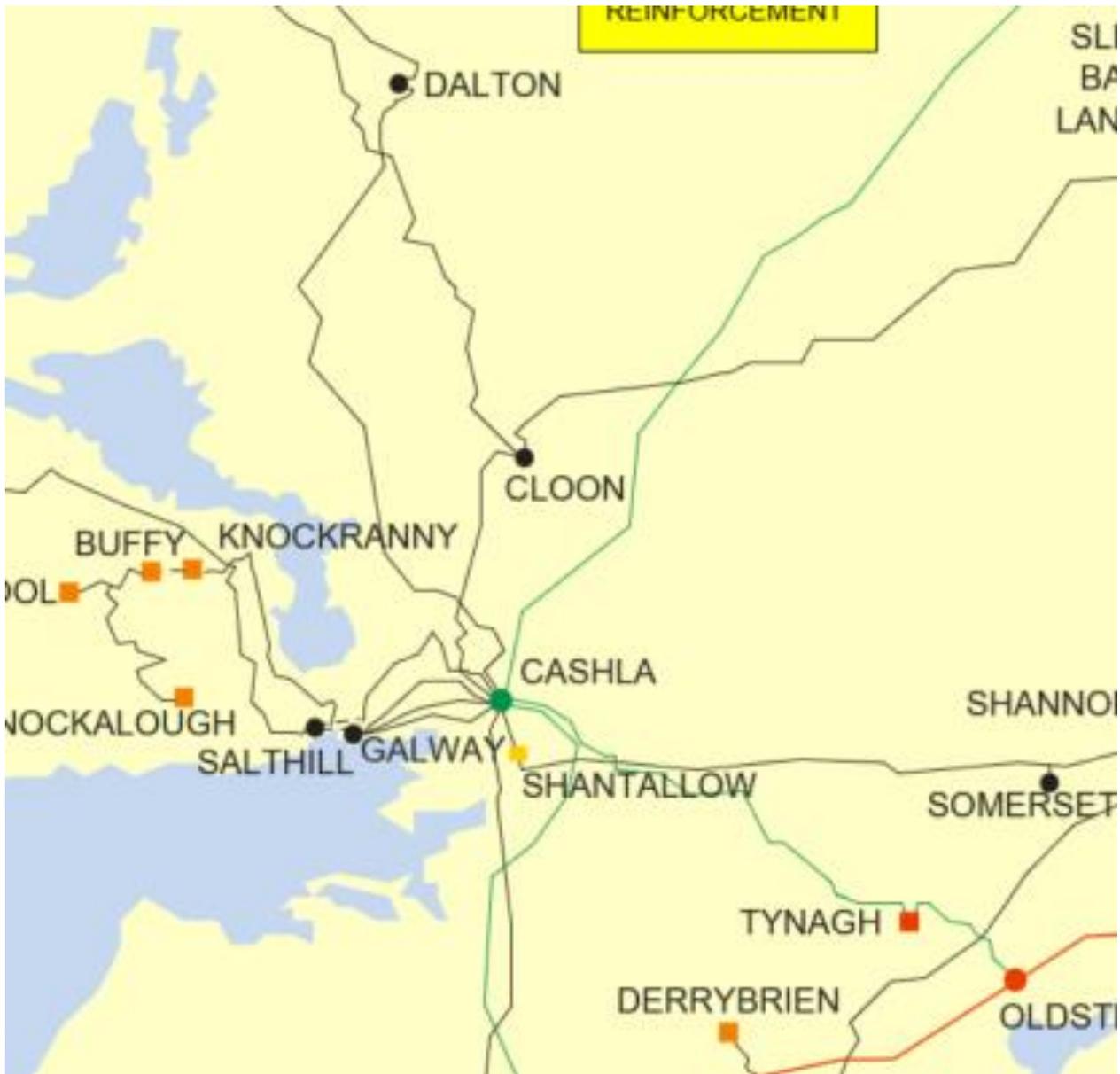


Figure 2-10- Location of node Cloon

Generator	SO	Capacity	Type	Status
Cloonlusk (1)	DSO	4.25	wind uncontrolled	connected
Barnderg Solar Farm	DSO	4.0	solar not priority	due to connected
Cloonascragh Solar	DSO	20.0	solar not priority	due to connected
Clooninagh Wind Farm	DSO	4.5	wind not priority	due to connected
Barnacurragh Solar Park	TSO	50.0	solar not priority	due to connected

Milltown Community Solar Farm	DSO	4.99	solar not priority	due to connected
Cloonbar WF	DSO	4.99	wind not priority	due to connected
Ballinderry Solar	DSO	4.99	solar not priority	due to connected
Ballinakilla Wind Farm	DSO	4.5	wind not priority	due to connected

Table 2-16- Generation Included in Study for Node Cloon

The solar not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	20	52	84					
Installed Capacity (MW)	2030	20	52	84	84	84			
Installed Capacity (MW)	FG						84	84	84
Available Energy (GWh)	2028	26	67	108					
Available Energy (GWh)	2030	26	67	108	108	108			
Available Energy (GWh)	FG						108	108	108
Generation (GWh)	2028	22	54	70					
Generation (GWh)	2030	23	54	71	63	66			
Generation (GWh)	FG						73	69	79
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	2 %	2 %	6 %					
Constraint (%)	2030	0 %	1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028	14 %	19 %	35 %					
Total Dispatch Down (%)	2030	11 %	19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-17- Surplus, Curtailement and Constraint for Solar non-priority for Node Cloon

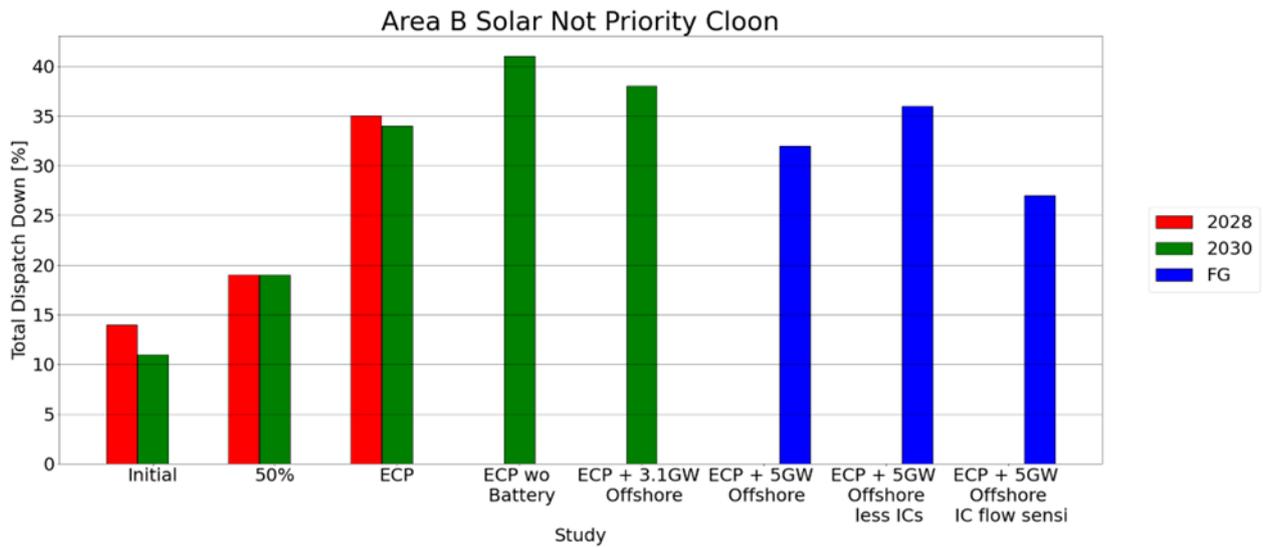


Figure 2-11- Total Dispatch Down for Solar not priority for Node Cloon

The solar not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	84	
Installed Capacity (MW)	2030	84	84
Available Energy (GWh)	2028	108	
Available Energy (GWh)	2030	108	108
Generation (GWh)	2028	70	
Generation (GWh)	2030	71	66
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-18- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Cloon

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		7	14					
Installed Capacity (MW)	2030		7	14	14	14			
Installed Capacity (MW)	FG						14	14	14
Available Energy (GWh)	2028		21	43					
Available Energy (GWh)	2030		21	43	43	43			
Available Energy (GWh)	FG						43	43	43
Generation (GWh)	2028		14	26					
Generation (GWh)	2030		15	28	25	23			
Generation (GWh)	FG						27	24	31
Surplus (%)	2028		23 %	29 %					
Surplus (%)	2030		24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		8 %	5 %					
Constraint (%)	2030		1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028		35 %	39 %					
Total Dispatch Down (%)	2030		28 %	34 %	40 %	46 %			
Total Dispatch Down (%)	FG						37 %	43 %	26 %

Table 2-19- Surplus, Curtailement and Constraint for Wind non-priority for Node Cloon

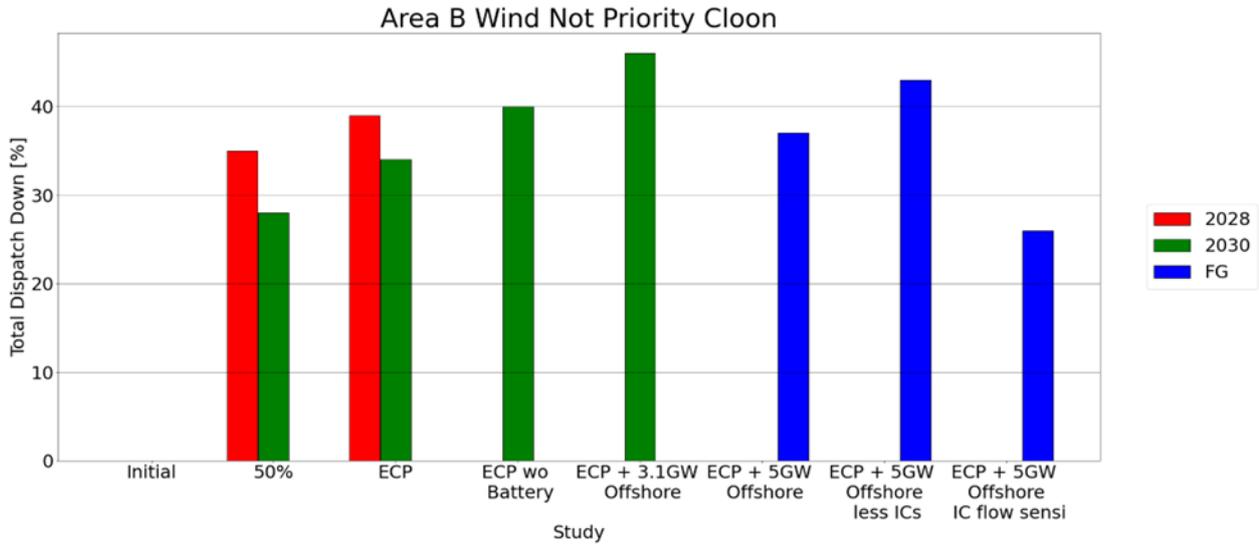


Figure 2-12- Total Dispatch Down for Wind not priority for Node Cloon

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	14	
Installed Capacity (MW)	2030	14	14
Available Energy (GWh)	2028	43	
Available Energy (GWh)	2030	43	43
Generation (GWh)	2028	27	
Generation (GWh)	2030	28	23
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	38 %	
Total Dispatch Down (%)	2030	34 %	46 %

Table 2-20- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Cloon

2.5 Cunghill



Figure 2-13- Location of node Cunghill

Generator	SO	Capacity	Type	Status
Kingsmountain (1)	TSO	23.75	wind priority	connected
Kingsmountain (2)	TSO	11.05	wind priority	connected

Table 2-21- Generation Included in Study for Node Cunghill

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	35	35	35					
Installed Capacity (MW)	2030	35	35	35	35	35			
Installed Capacity (MW)	FG						35	35	35
Available Energy (GWh)	2028	107	107	107					
Available Energy (GWh)	2030	106	106	106	106	106			
Available Energy (GWh)	FG						106	106	106
Generation (GWh)	2028	96	96	96					
Generation (GWh)	2030	98	99	99	97	98			
Generation (GWh)	FG						100	100	103
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-22- Surplus, Curtailement and Constraint for Wind priority for Node Cunghill

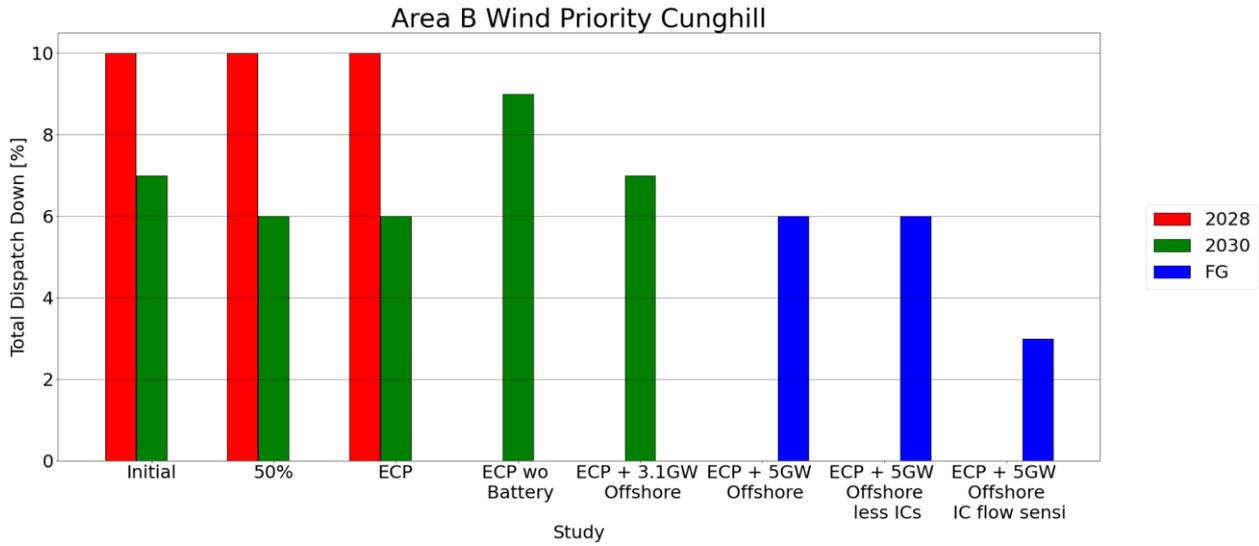


Figure 2-14- Total Dispatch Down for Wind priority for Node Cunghill

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	35	
Installed Capacity (MW)	2030	35	35
Available Energy (GWh)	2028	107	
Available Energy (GWh)	2030	106	106
Generation (GWh)	2028	78	
Generation (GWh)	2030	81	86
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-23- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Cunghill

2.6 Dalton

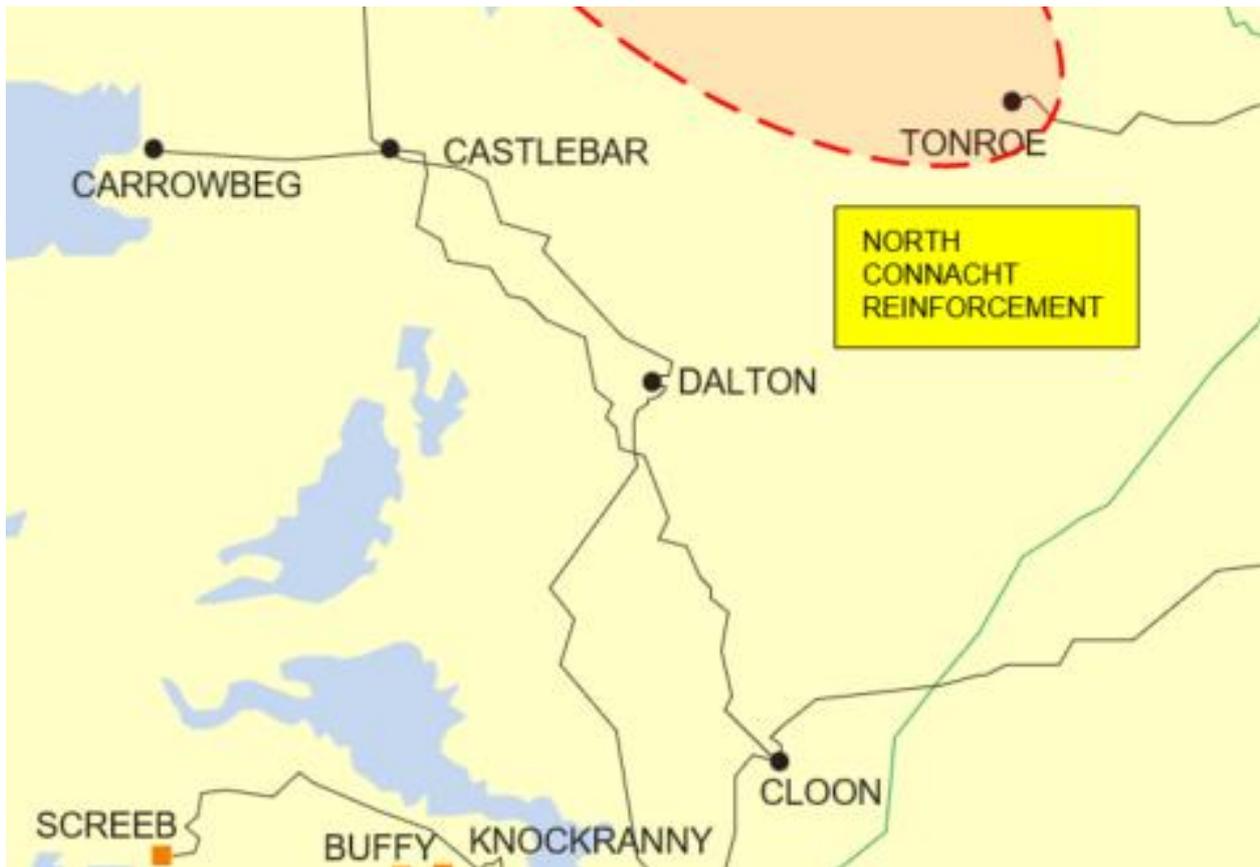


Figure 2-15- Location of node Dalton

Generator	SO	Capacity	Type	Status
Mace Upper (1)	DSO	2.55	wind uncontrolled	connected
Magheramore and Cloontooa (1)	DSO	40.8	wind priority	connected
Lisduff Solar Park (Claremorris)	DSO	4.0	solar not priority	due to connected
Claremorris 2 Solar Farm	DSO	4.0	solar not priority	due to connected
Kilbeg Solar	DSO	12.0	solar not priority	due to connected

Table 2-24- Generation Included in Study for Node Dalton

The solar not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	4	12	20					
Installed Capacity (MW)	2030	4	12	20	20	20			
Installed Capacity (MW)	FG						20	20	20
Available Energy (GWh)	2028	5	15	26					
Available Energy (GWh)	2030	5	15	26	26	26			
Available Energy (GWh)	FG						26	26	26
Generation (GWh)	2028	5	12	17					
Generation (GWh)	2030	5	12	18	15	16			
Generation (GWh)	FG						19	17	20
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	1 %	5 %	4 %					
Constraint (%)	2030	0 %	4 %	3 %	3 %	2 %			
Constraint (%)	FG						2 %	1 %	2 %
Total Dispatch Down (%)	2028	12 %	21 %	32 %					
Total Dispatch Down (%)	2030	11 %	21 %	31 %	41 %	36 %			
Total Dispatch Down (%)	FG						26 %	32 %	22 %

Table 2-25- Surplus, Curtailement and Constraint for Solar non-priority for Node Dalton

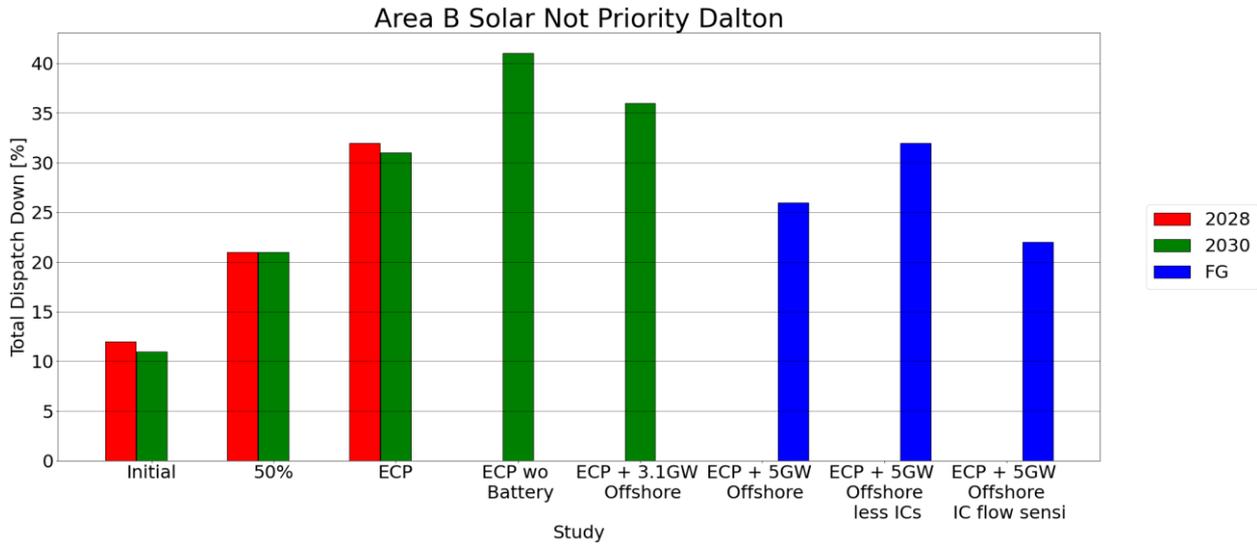


Figure 2-16- Total Dispatch Down for Solar not priority for Node Dalton

The solar not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	20	
Installed Capacity (MW)	2030	20	20
Available Energy (GWh)	2028	26	
Available Energy (GWh)	2030	26	26
Generation (GWh)	2028	17	
Generation (GWh)	2030	18	16
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	4 %	
Constraint (%)	2030	3 %	2 %
Total Dispatch Down (%)	2028	32 %	
Total Dispatch Down (%)	2030	31 %	36 %

Table 2-26- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Dalton

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	41	41	41					
Installed Capacity (MW)	2030	41	41	41	41	41			
Installed Capacity (MW)	FG						41	41	41
Available Energy (GWh)	2028	125	125	125					
Available Energy (GWh)	2030	124	124	124	124	124			
Available Energy (GWh)	FG						124	124	124
Generation (GWh)	2028	112	113	112					
Generation (GWh)	2030	115	117	116	113	115			
Generation (GWh)	FG						117	117	120
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-27- Surplus, Curtailement and Constraint for Wind priority for Node Dalton

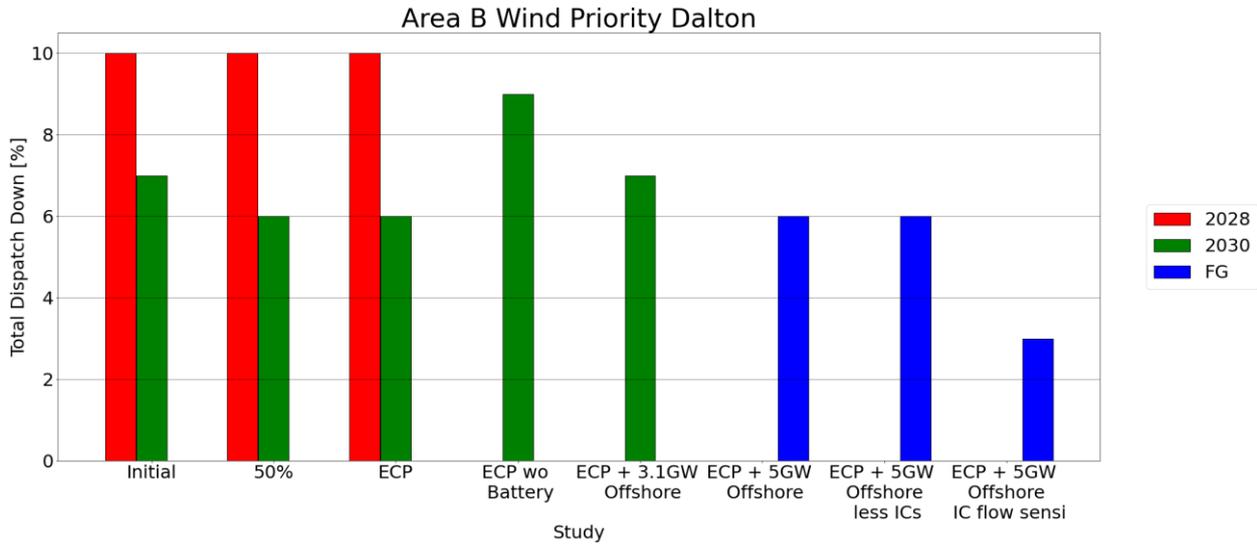


Figure 2-17- Total Dispatch Down for Wind priority for Node Dalton

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	41	
Installed Capacity (MW)	2030	41	41
Available Energy (GWh)	2028	125	
Available Energy (GWh)	2030	124	124
Generation (GWh)	2028	92	
Generation (GWh)	2030	95	101
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	26 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-28- Surplus, Curtailment and Constraint for Wind priority with sensitivity for Node Dalton

2.7 Firlough



Figure 2-18- Location of node Firlough

Generator	SO	Capacity	Type	Status
Firlough TG371 was Carrowleagh-Kilbride DG741	TSO	48.3	wind not priority	due to connected
Firlough Wind Farm	TSO	27.3	wind not priority	due to connected

Table 2-29- Generation Included in Study for Node Firlough

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		38	76					
Installed Capacity (MW)	2030		38	76	76	76			
Installed Capacity (MW)	FG						76	76	76
Available Energy (GWh)	2028		116	232					
Available Energy (GWh)	2030		115	230	230	230			
Available Energy (GWh)	FG						230	230	230
Generation (GWh)	2028		59	100					
Generation (GWh)	2030		59	97	89	87			
Generation (GWh)	FG						115	112	135
Surplus (%)	2028		23 %	29 %					
Surplus (%)	2030		24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		22 %	24 %					
Constraint (%)	2030		21 %	24 %	22 %	17 %			
Constraint (%)	FG						14 %	10 %	17 %
Total Dispatch Down (%)	2028		49 %	57 %					
Total Dispatch Down (%)	2030		49 %	58 %	61 %	62 %			
Total Dispatch Down (%)	FG						50 %	51 %	41 %

Table 2-30- Surplus, Curtailement and Constraint for Wind non-priority for Node Firlough

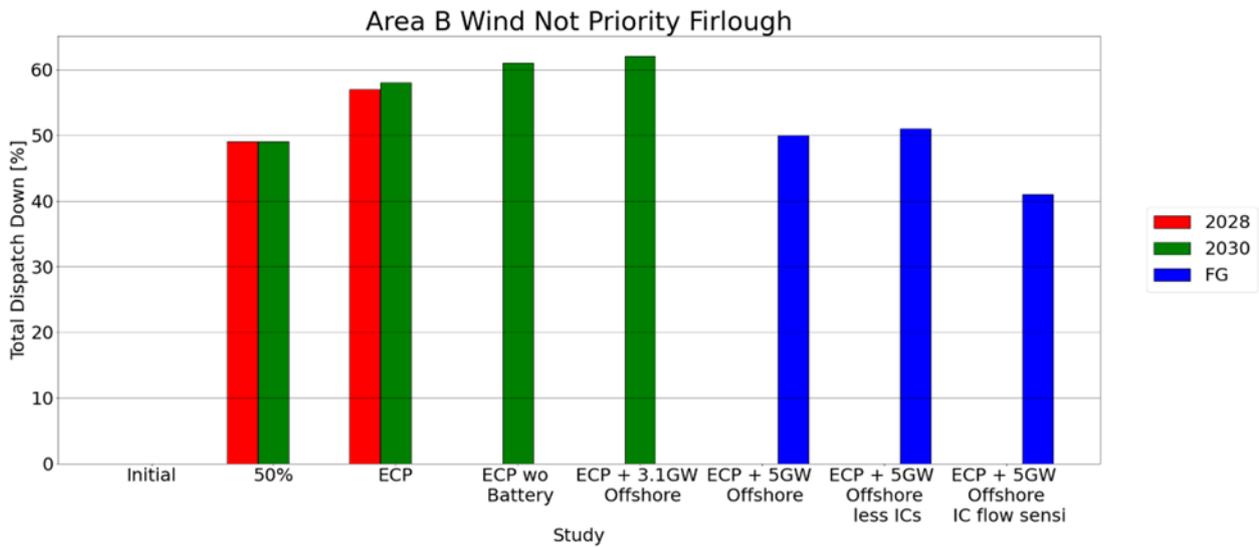


Figure 2-19- Total Dispatch Down for Wind not priority for Node Firlough

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	76	
Installed Capacity (MW)	2030	76	76
Available Energy (GWh)	2028	232	
Available Energy (GWh)	2030	230	230
Generation (GWh)	2028	116	
Generation (GWh)	2030	114	99
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	50 %	
Total Dispatch Down (%)	2030	50 %	57 %

Table 2-31- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Firlough

2.8 Galway

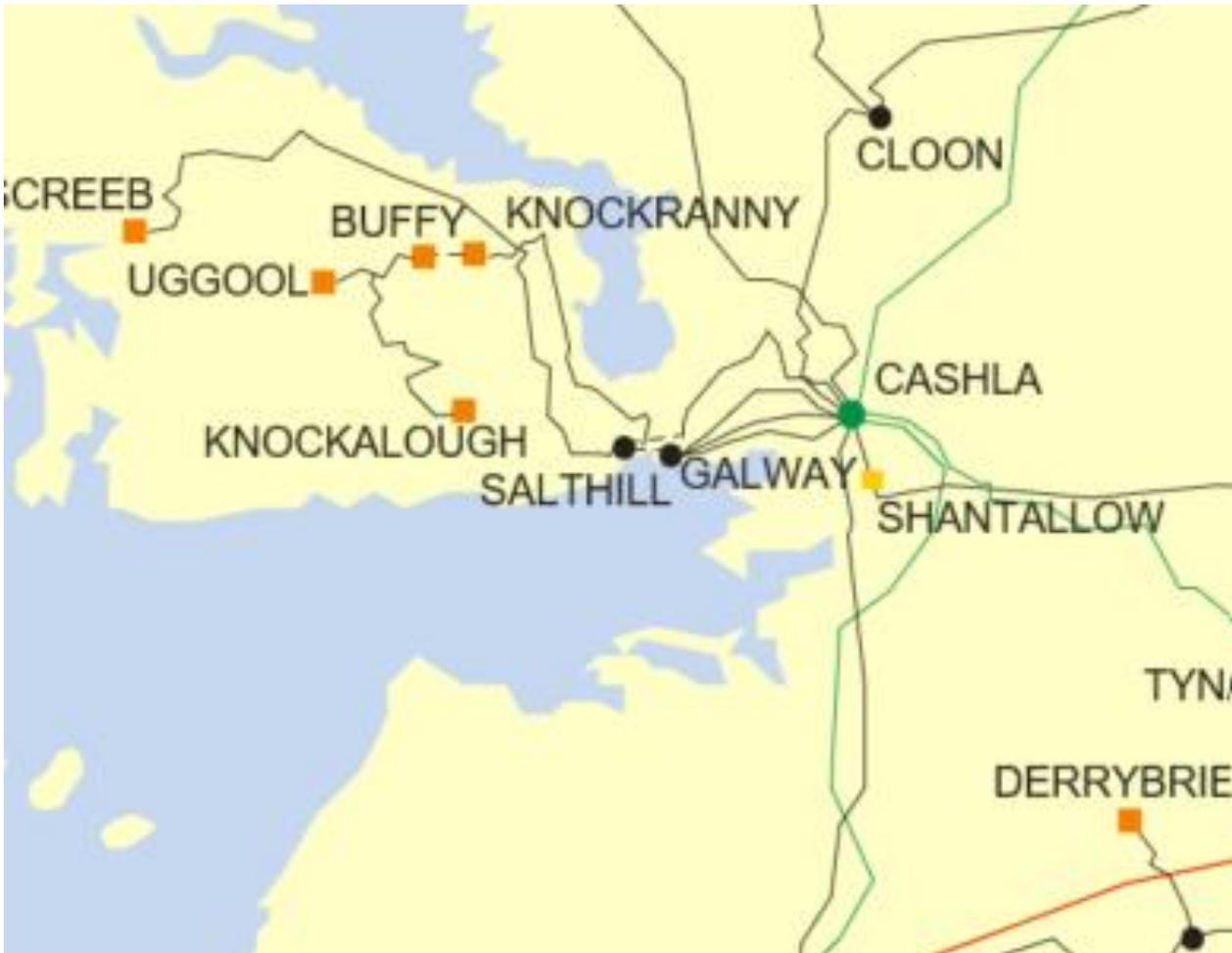


Figure 2-20 - Location of node Salthill

Generator	SO	Capacity	Type	Status
Dexcom Roadrunner - Battery CHP Solar	DSO	1.2	solar not priority	due to connected

Table 2-32 - Generation Included in Study for Node Galway

The solar not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		1	1					
Installed Capacity (MW)	2030		1	1	1	1			
Installed Capacity (MW)	FG						1	1	1
Available Energy (GWh)	2028		1	2					
Available Energy (GWh)	2030		1	2	2	2			
Available Energy (GWh)	FG						2	2	2
Generation (GWh)	2028		1	1					
Generation (GWh)	2030		1	1	1	1			
Generation (GWh)	FG						1	1	1
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		1 %	1 %					
Constraint (%)	2030		0 %	0 %	1 %	0 %			
Constraint (%)	FG						1 %	0 %	1 %
Total Dispatch Down (%)	2028		17 %	29 %					
Total Dispatch Down (%)	2030		17 %	28 %	38 %	34 %			
Total Dispatch Down (%)	FG						26 %	32 %	20 %

Table 2-33 - Surplus, Curtailement and Constraint for Solar non-priority for Node Galway

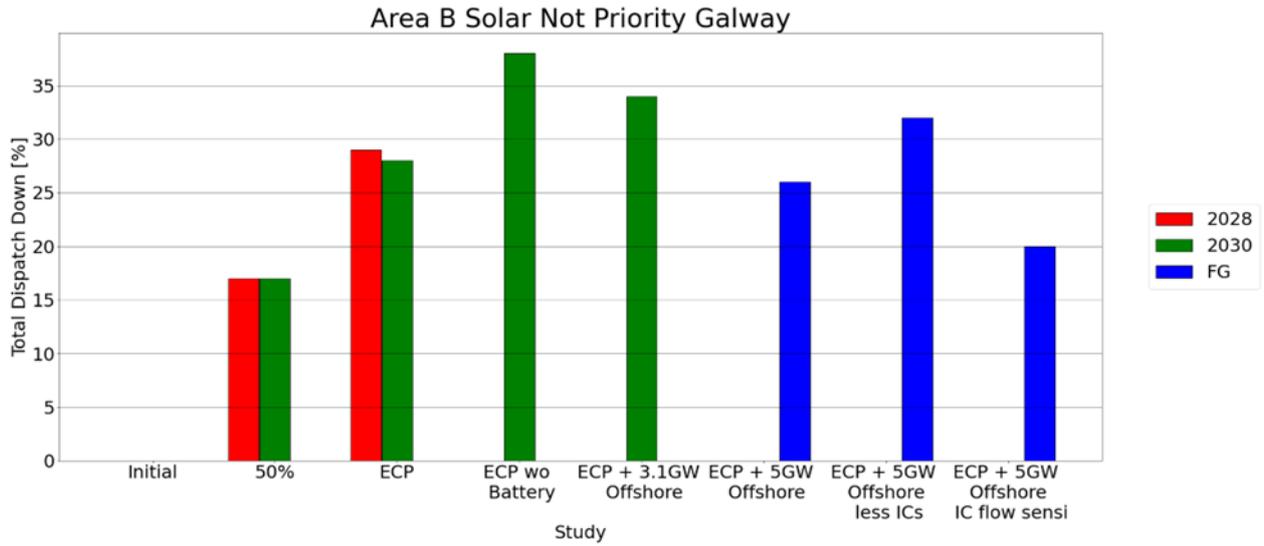


Figure 2-21- Total Dispatch Down for Solar not priority for Node Galway

The solar not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	1	
Installed Capacity (MW)	2030	1	1
Available Energy (GWh)	2028	2	
Available Energy (GWh)	2030	2	2
Generation (GWh)	2028	1	
Generation (GWh)	2030	1	1
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	1 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	29 %	
Total Dispatch Down (%)	2030	28 %	34 %

Table 2-34- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Galway

2.9 Glenree

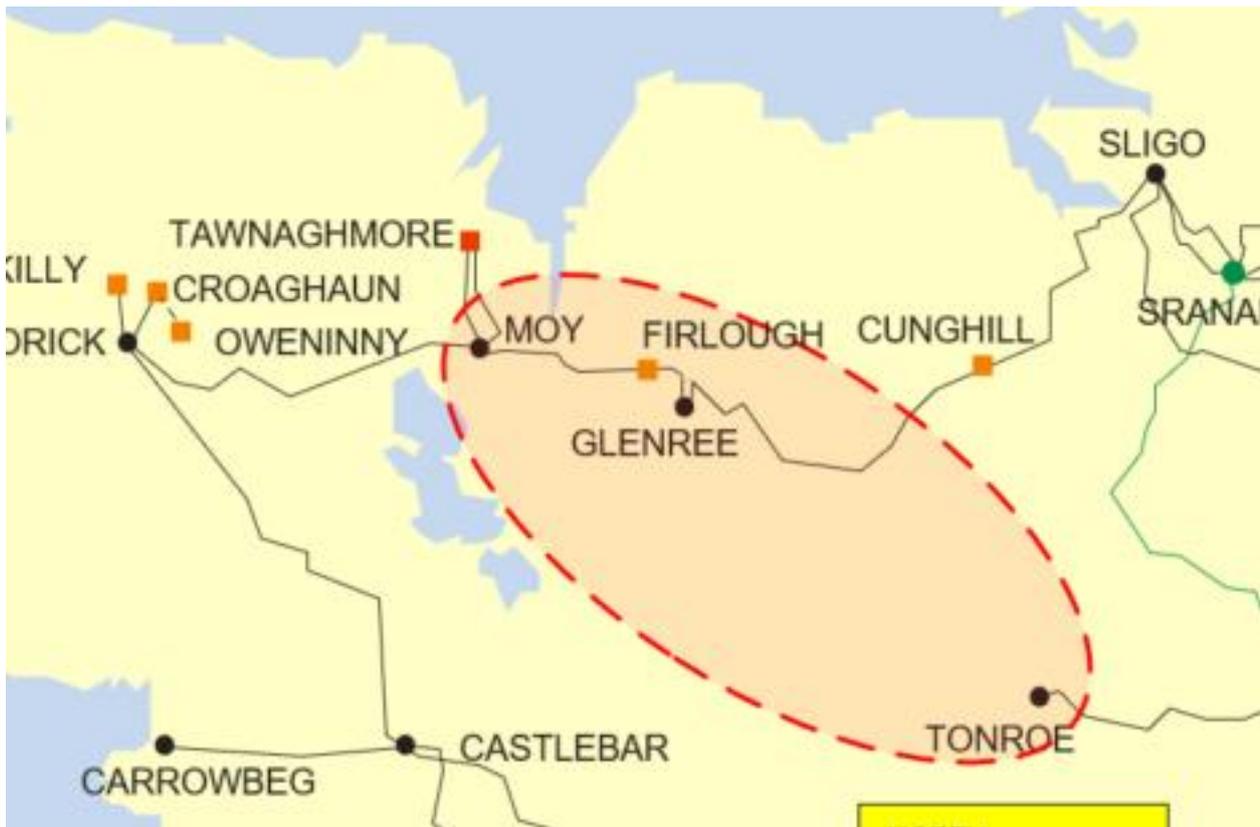


Figure 2-22- Location of node Glenree

Generator	SO	Capacity	Type	Status
Bunnyconnellan (1)	DSO	28.0	wind not priority	connected
Carrowleagh (1)	DSO	34.15	wind priority	connected
Carrowleagh (2)	DSO	2.65	wind not priority	connected
Black Lough (1)	DSO	12.5	wind not priority	connected
Chafhill Wind Farm (prev. Glenree)	DSO	4.95	wind not priority	due to connected

Table 2-35- Generation Included in Study for Node Glenree

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	43	46	48					
Installed Capacity (MW)	2030	43	46	48	48	48			
Installed Capacity (MW)	FG						48	48	48
Available Energy (GWh)	2028	132	140	147					
Available Energy (GWh)	2030	131	139	146	146	146			
Available Energy (GWh)	FG						146	146	146
Generation (GWh)	2028	73	71	63					
Generation (GWh)	2030	86	71	62	57	55			
Generation (GWh)	FG						73	71	86
Surplus (%)	2028	18 %	23 %	29 %					
Surplus (%)	2030	14 %	24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	20 %	22 %	24 %					
Constraint (%)	2030	16 %	21 %	24 %	22 %	17 %			
Constraint (%)	FG						14 %	10 %	17 %
Total Dispatch Down (%)	2028	45 %	49 %	57 %					
Total Dispatch Down (%)	2030	34 %	49 %	58 %	61 %	62 %			
Total Dispatch Down (%)	FG						50 %	51 %	41 %

Table 2-36- Surplus, Curtailement and Constraint for Wind non-priority for Node Glenree

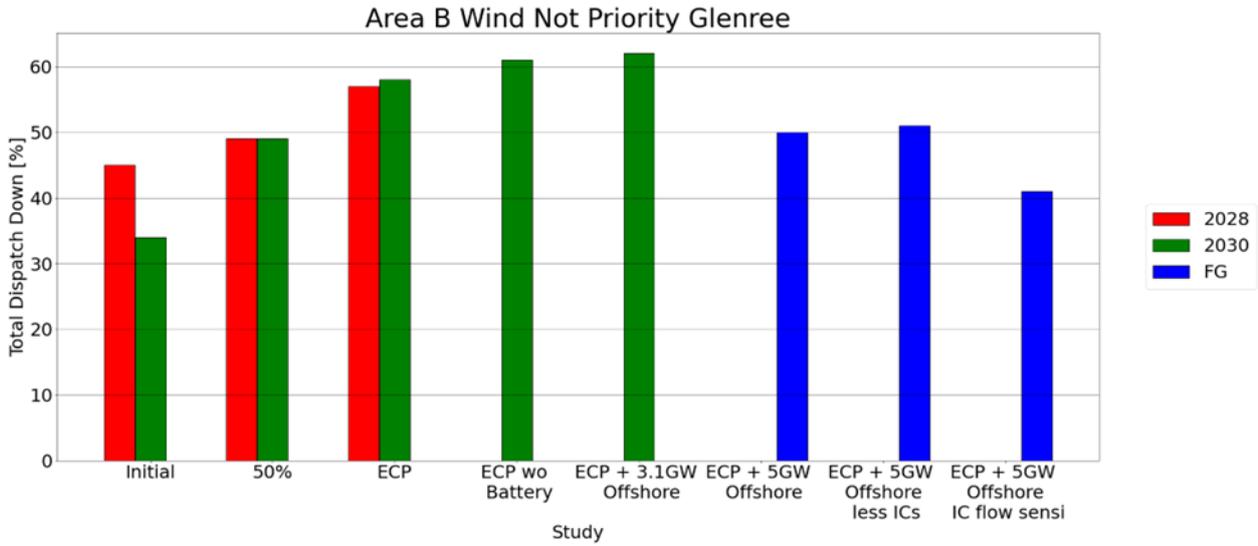


Figure 2-23- Total Dispatch Down for Wind not priority for Node Glenree

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	48	
Installed Capacity (MW)	2030	48	48
Available Energy (GWh)	2028	147	
Available Energy (GWh)	2030	146	146
Generation (GWh)	2028	74	
Generation (GWh)	2030	73	63
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	50 %	
Total Dispatch Down (%)	2030	50 %	57 %

Table 2-37- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Glenree

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	34	34	34					
Installed Capacity (MW)	2030	34	34	34	34	34			
Installed Capacity (MW)	FG						34	34	34
Available Energy (GWh)	2028	105	105	105					
Available Energy (GWh)	2030	104	104	104	104	104			
Available Energy (GWh)	FG						104	104	104
Generation (GWh)	2028	94	94	94					
Generation (GWh)	2030	97	98	97	95	96			
Generation (GWh)	FG						98	98	101
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-38- Surplus, Curtailment and Constraint for Wind priority for Node Glenree

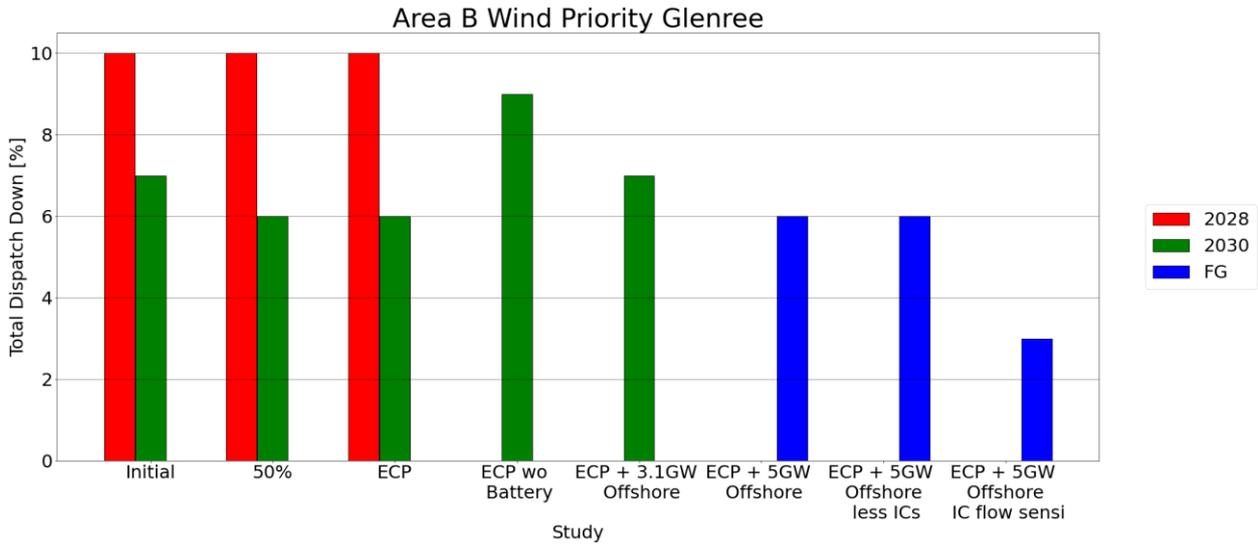


Figure 2-24- Total Dispatch Down for Wind priority for Node Glenree

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	34	
Installed Capacity (MW)	2030	34	34
Available Energy (GWh)	2028	105	
Available Energy (GWh)	2030	104	104
Generation (GWh)	2028	77	
Generation (GWh)	2030	80	84
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-39- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Glenree

2.10 Knockranny

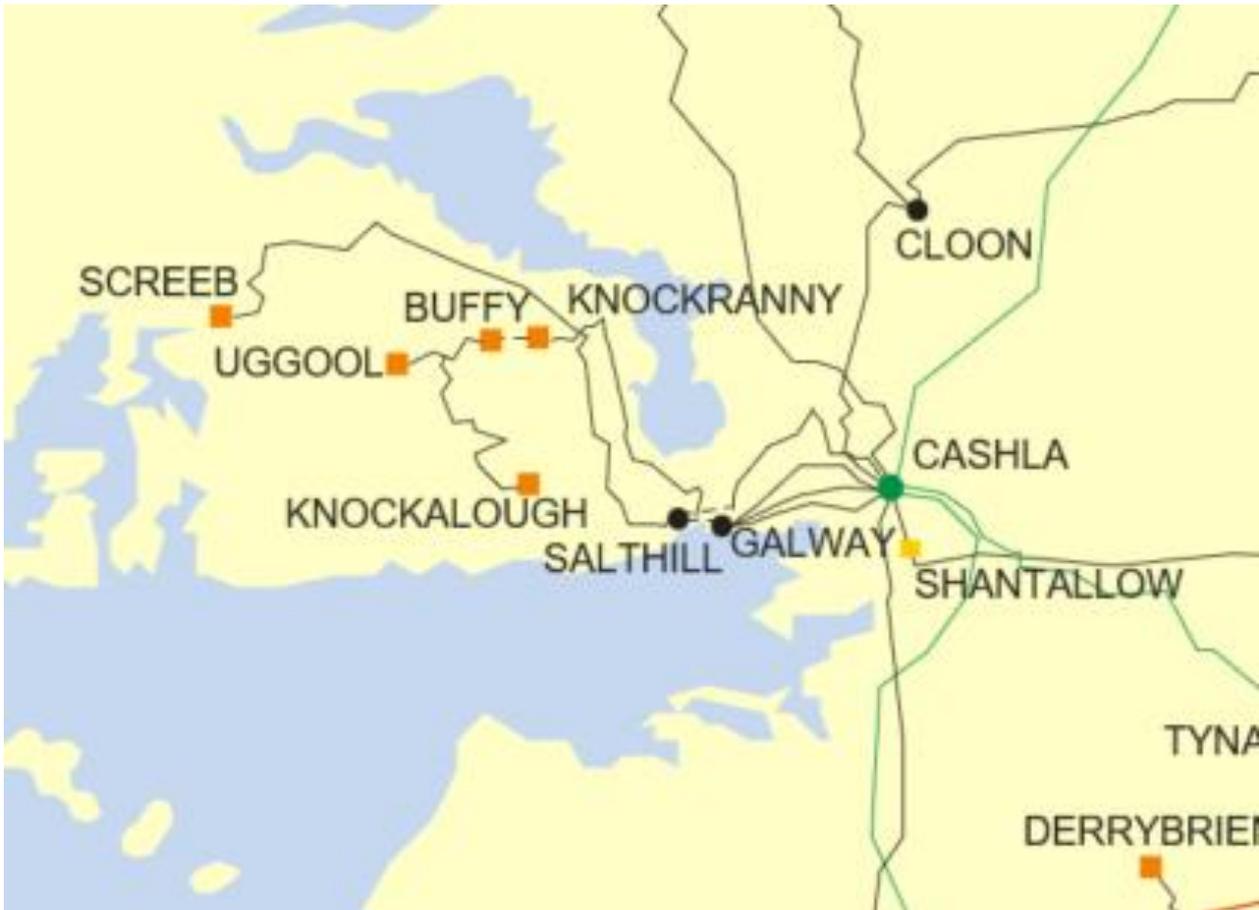


Figure 2-25- Location of node Knockranny

Generator	SO	Capacity	Type	Status
Knockalough (1)	TSO	33.6	wind priority	connected
Ardderoo 2 (Formerly Buffy)	TSO	64.2	wind not priority	connected
Ardderoo Wind Farm	TSO	27.0	wind not priority	connected
Ardderoo wind extension	TSO	18.0	wind not priority	due to connected
Knockranny wind	TSO	47.3	wind not priority	due to connected

Table 2-40- Generation Included in Study for Node Knockranny

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	109	133	156					
Installed Capacity (MW)	2030	109	133	156	156	156			
Installed Capacity (MW)	FG						156	156	156
Available Energy (GWh)	2028	485	590	695					
Available Energy (GWh)	2030	483	588	692	692	692			
Available Energy (GWh)	FG						692	692	692
Generation (GWh)	2028	214	315	358					
Generation (GWh)	2030	338	379	408	375	345			
Generation (GWh)	FG						344	366	457
Surplus (%)	2028	13 %	17 %	22 %					
Surplus (%)	2030	10 %	18 %	24 %	28 %	35 %			
Surplus (%)	FG						27 %	32 %	18 %
Curtailement (%)	2028	6 %	5 %	4 %					
Curtailement (%)	2030	4 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	37 %	25 %	22 %					
Constraint (%)	2030	16 %	15 %	15 %	14 %	12 %			
Constraint (%)	FG						21 %	13 %	15 %
Total Dispatch Down (%)	2028	56 %	47 %	48 %					
Total Dispatch Down (%)	2030	30 %	35 %	41 %	46 %	50 %			
Total Dispatch Down (%)	FG						50 %	47 %	34 %

Table 2-41- Surplus, Curtailement and Constraint for Wind non-priority for Node Knockranny

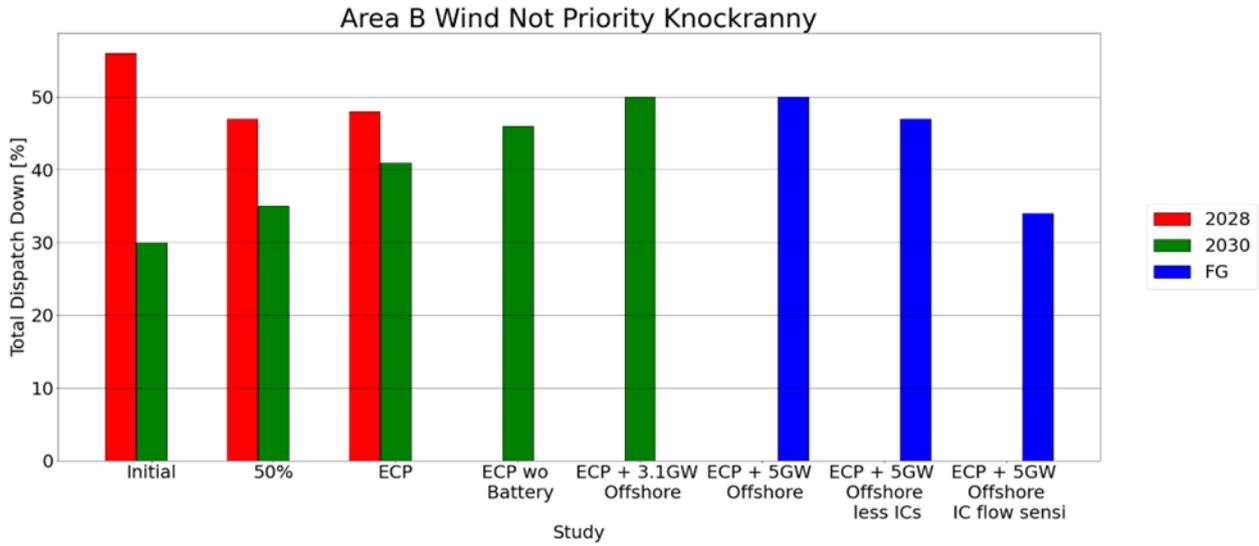


Figure 2-26- Total Dispatch Down for Wind not priority for Node Knockranny

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	156	
Installed Capacity (MW)	2030	156	156
Available Energy (GWh)	2028	695	
Available Energy (GWh)	2030	692	692
Generation (GWh)	2028	450	
Generation (GWh)	2030	469	395
Surplus (%)	2028	22 %	
Surplus (%)	2030	24 %	35 %
Curtailement (%)	2028	4 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	9 %	
Constraint (%)	2030	6 %	5 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	32 %	43 %

Table 2-42- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Knockranny

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	34	34	34					
Installed Capacity (MW)	2030	34	34	34	34	34			
Installed Capacity (MW)	FG						34	34	34
Available Energy (GWh)	2028	149	149	149					
Available Energy (GWh)	2030	149	149	149	149	149			
Available Energy (GWh)	FG						149	149	149
Generation (GWh)	2028	136	137	136					
Generation (GWh)	2030	140	141	141	137	139			
Generation (GWh)	FG						141	141	145
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	9 %	8 %	9 %					
Curtailement (%)	2030	6 %	5 %	5 %	8 %	6 %			
Curtailement (%)	FG						5 %	5 %	2 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	9 %	8 %	9 %					
Total Dispatch Down (%)	2030	6 %	5 %	5 %	8 %	6 %			
Total Dispatch Down (%)	FG						5 %	5 %	2 %

Table 2-43- Surplus, Curtailement and Constraint for Wind priority for Node Knockranny

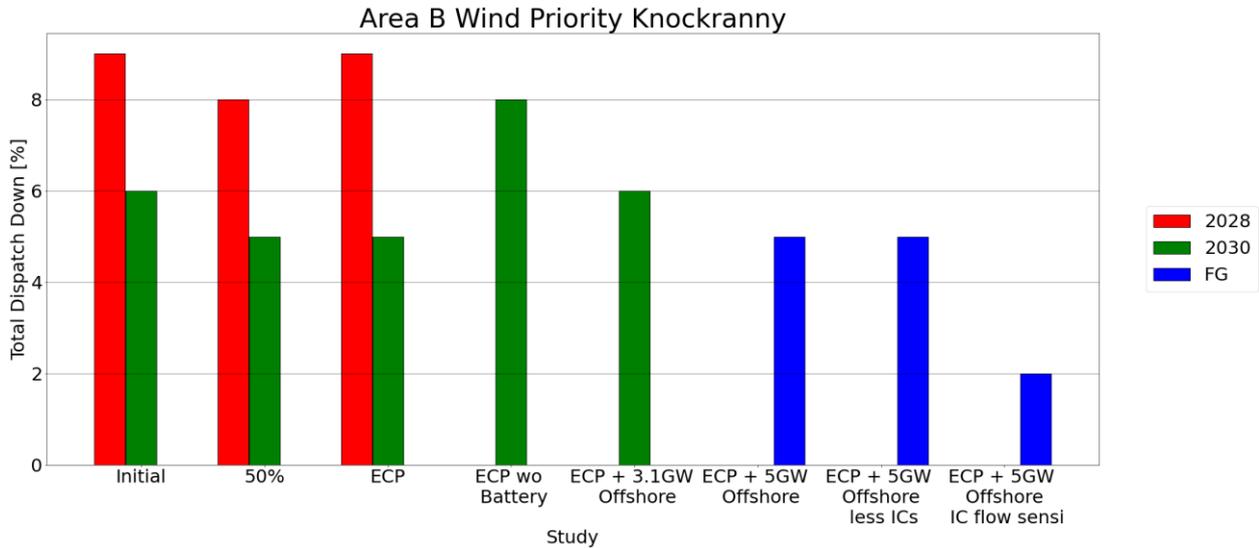


Figure 2-27- Total Dispatch Down for Wind priority for Node Knockranny

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	34	
Installed Capacity (MW)	2030	34	34
Available Energy (GWh)	2028	149	
Available Energy (GWh)	2030	149	149
Generation (GWh)	2028	123	
Generation (GWh)	2030	132	132
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	9 %	
Curtailement (%)	2030	5 %	6 %
Constraint (%)	2028	9 %	
Constraint (%)	2030	6 %	5 %
Total Dispatch Down (%)	2028	18 %	
Total Dispatch Down (%)	2030	11 %	11 %

Table 2-44- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Knockranny

2.11 Moy

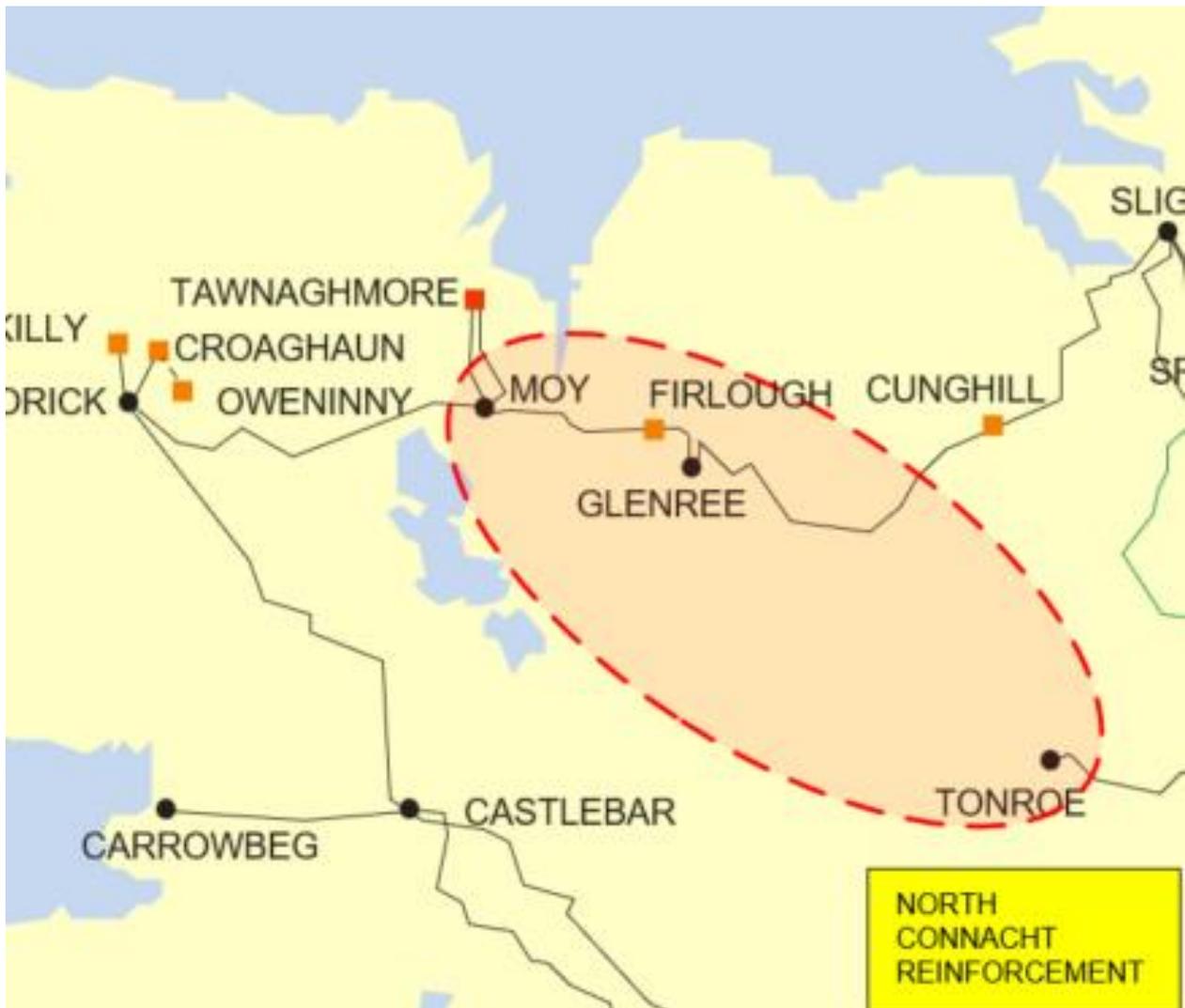


Figure 2-28- Location of node Moy

Generator	SO	Capacity	Type	Status
Lackan (1)	DSO	6.0	wind priority	connected
Carrowgarve Solar	DSO	4.0	solar not priority	due to connected

Table 2-45- Generation Included in Study for Node Moy

The solar not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		2	4					
Installed Capacity (MW)	2030		2	4	4	4			
Installed Capacity (MW)	FG						4	4	4
Available Energy (GWh)	2028		2	4					
Available Energy (GWh)	2030		2	4	4	4			
Available Energy (GWh)	FG						4	4	4
Generation (GWh)	2028		2	3					
Generation (GWh)	2030		2	3	2	3			
Generation (GWh)	FG						3	3	3
Surplus (%)	2028		12 %	22 %					
Surplus (%)	2030		14 %	24 %	33 %	30 %			
Surplus (%)	FG						22 %	28 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	3 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		5 %	4 %					
Constraint (%)	2030		4 %	3 %	3 %	2 %			
Constraint (%)	FG						2 %	1 %	2 %
Total Dispatch Down (%)	2028		21 %	32 %					
Total Dispatch Down (%)	2030		21 %	31 %	41 %	36 %			
Total Dispatch Down (%)	FG						26 %	32 %	21 %

Table 2-46- Surplus, Curtailement and Constraint for Solar non-priority for Node Moy

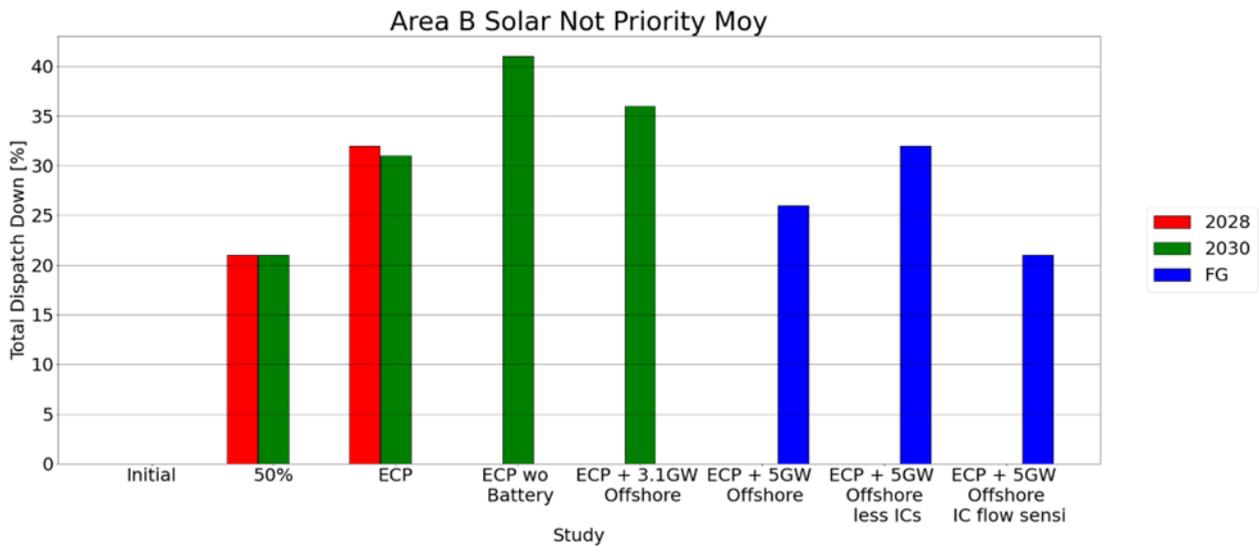


Figure 2-29- Total Dispatch Down for Solar not priority for Node Moy

The solar not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	4	
Installed Capacity (MW)	2030	4	4
Available Energy (GWh)	2028	4	
Available Energy (GWh)	2030	4	4
Generation (GWh)	2028	3	
Generation (GWh)	2030	3	3
Surplus (%)	2028	22 %	
Surplus (%)	2030	24 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	3 %	4 %
Constraint (%)	2028	4 %	
Constraint (%)	2030	3 %	2 %
Total Dispatch Down (%)	2028	32 %	
Total Dispatch Down (%)	2030	31 %	36 %

Table 2-47- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Moy

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	6	6	6					
Installed Capacity (MW)	2030	6	6	6	6	6			
Installed Capacity (MW)	FG						6	6	6
Available Energy (GWh)	2028	18	18	18					
Available Energy (GWh)	2030	18	18	18	18	18			
Available Energy (GWh)	FG						18	18	18
Generation (GWh)	2028	16	17	16					
Generation (GWh)	2030	17	17	17	17	17			
Generation (GWh)	FG						17	17	18
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-48- Surplus, Curtailement and Constraint for Wind priority for Node Moy

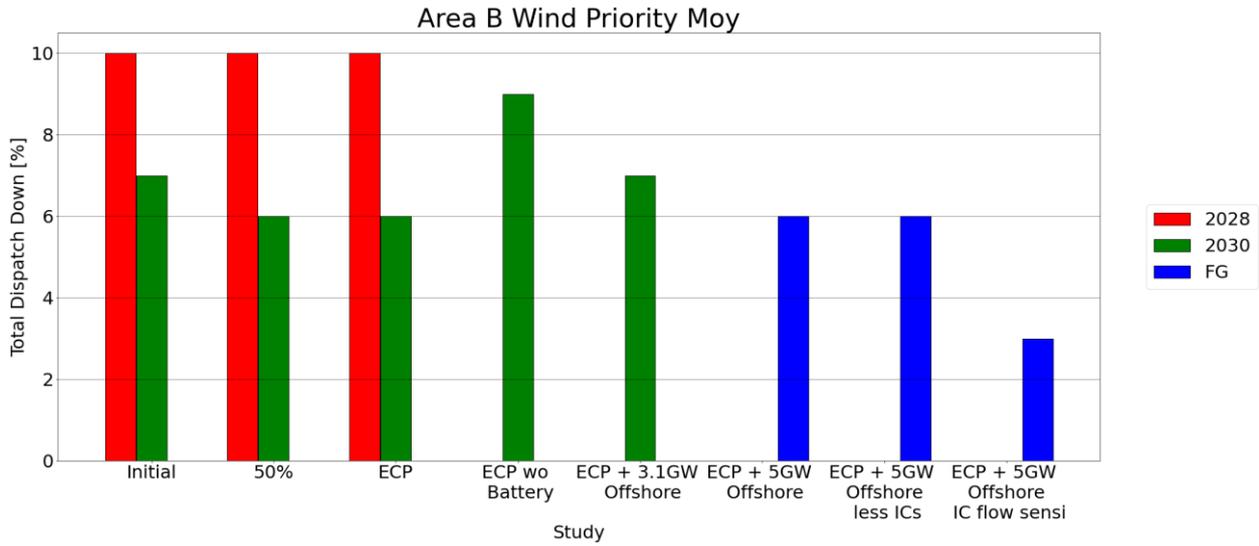


Figure 2-30- Total Dispatch Down for Wind priority for Node Moy

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	6	
Installed Capacity (MW)	2030	6	6
Available Energy (GWh)	2028	18	
Available Energy (GWh)	2030	18	18
Generation (GWh)	2028	13	
Generation (GWh)	2030	14	15
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-49- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Moy

2.12 Salthill

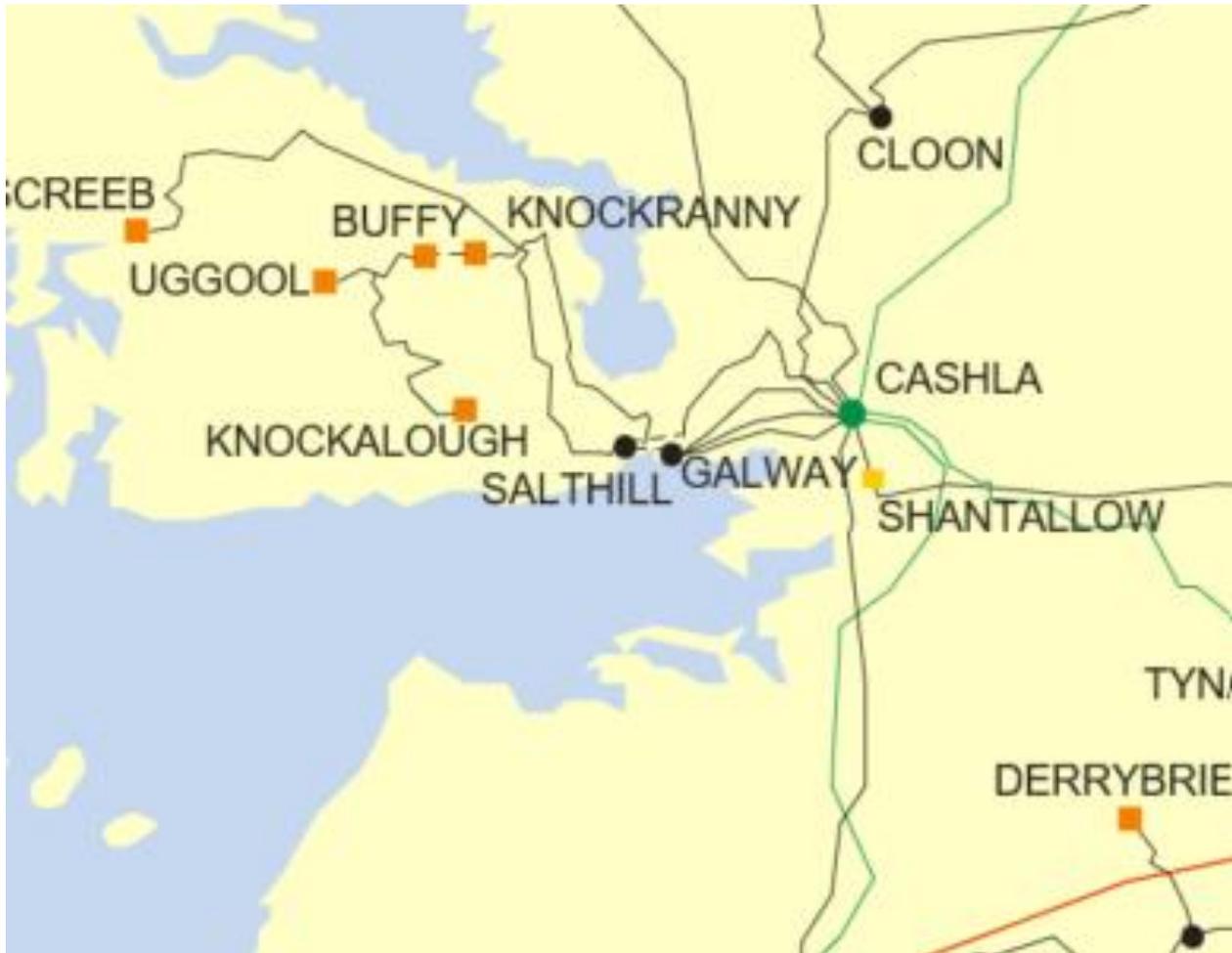


Figure 2-31- Location of node Salthill

Generator	SO	Capacity	Type	Status
Leitir Guingaid & Doire Chrith1 & 2 Merge	DSO	40.9	wind priority	connected

Table 2-50- Generation Included in Study for Node Salthill

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	41	41	41					
Installed Capacity (MW)	2030	41	41	41	41	41			
Installed Capacity (MW)	FG						41	41	41
Available Energy (GWh)	2028	125	125	125					
Available Energy (GWh)	2030	124	124	124	124	124			
Available Energy (GWh)	FG						124	124	124
Generation (GWh)	2028	112	113	112					
Generation (GWh)	2030	116	117	117	114	115			
Generation (GWh)	FG						117	117	121
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-51- Surplus, Curtailement and Constraint for Wind priority for Node Salthill

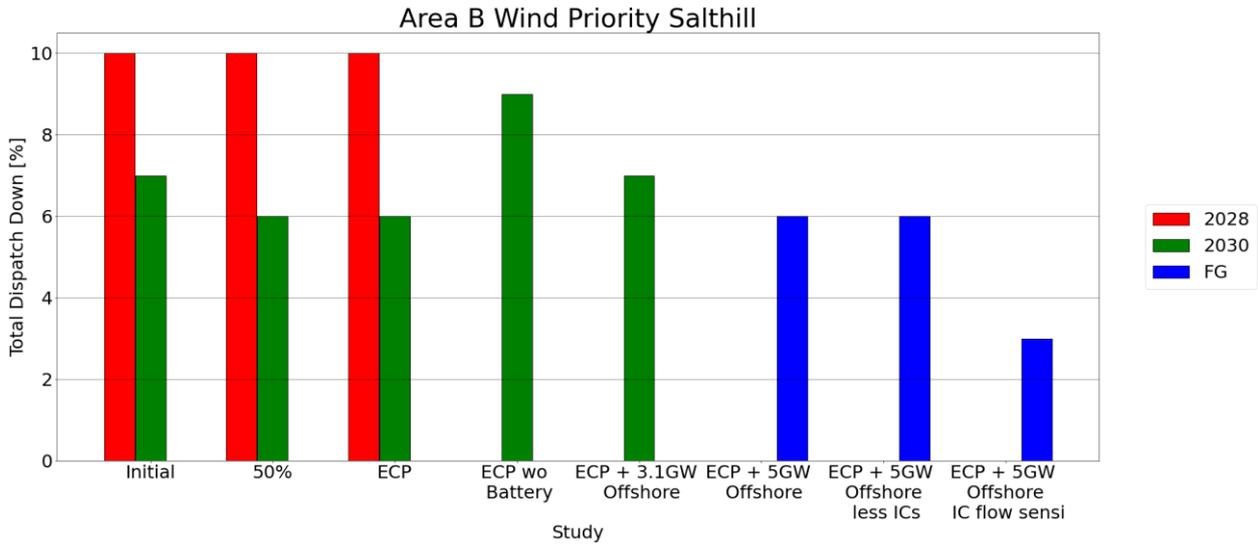


Figure 2-32- Total Dispatch Down for Wind priority for Node Salthill

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	41	
Installed Capacity (MW)	2030	41	41
Available Energy (GWh)	2028	125	
Available Energy (GWh)	2030	124	124
Generation (GWh)	2028	101	
Generation (GWh)	2030	109	109
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	9 %	
Constraint (%)	2030	6 %	5 %
Total Dispatch Down (%)	2028	19 %	
Total Dispatch Down (%)	2030	12 %	12 %

Table 2-52- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Salthill

2.13 Shantallow

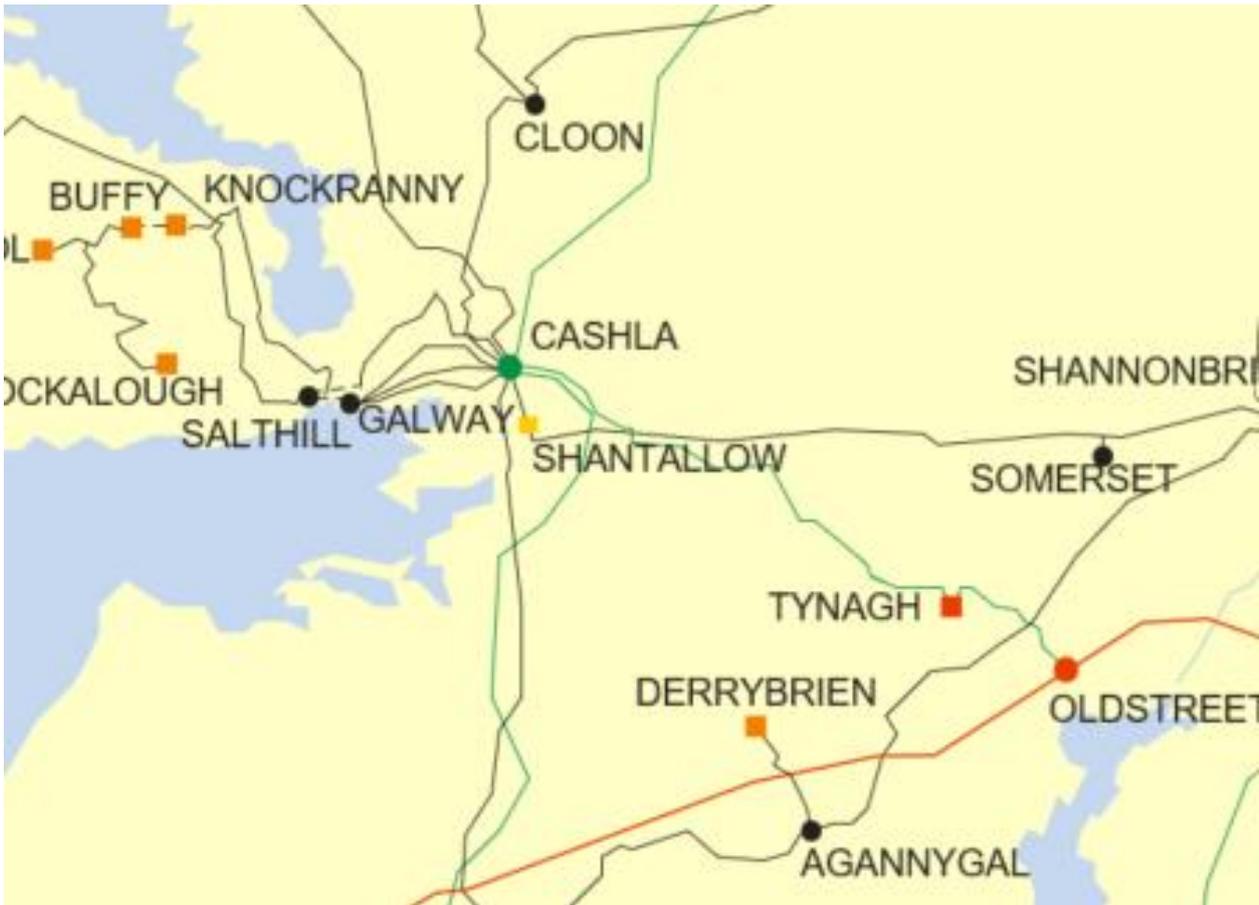


Figure 2-33- Location of node Shantallow

Generator	SO	Capacity	Type	Status
Shantallow Solar	TSO	35.0	solar not priority	due to connected

Table 2-53- Generation Included in Study for Node Shantallow

The solar not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		18	35					
Installed Capacity (MW)	2030		18	35	35	35			
Installed Capacity (MW)	FG						35	35	35
Available Energy (GWh)	2028		22	45					
Available Energy (GWh)	2030		22	45	45	45			
Available Energy (GWh)	FG						45	45	45
Generation (GWh)	2028		18	29					
Generation (GWh)	2030		18	30	26	28			
Generation (GWh)	FG						30	29	33
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-54- Surplus, Curtailement and Constraint for Solar non-priority for Node Shantallow

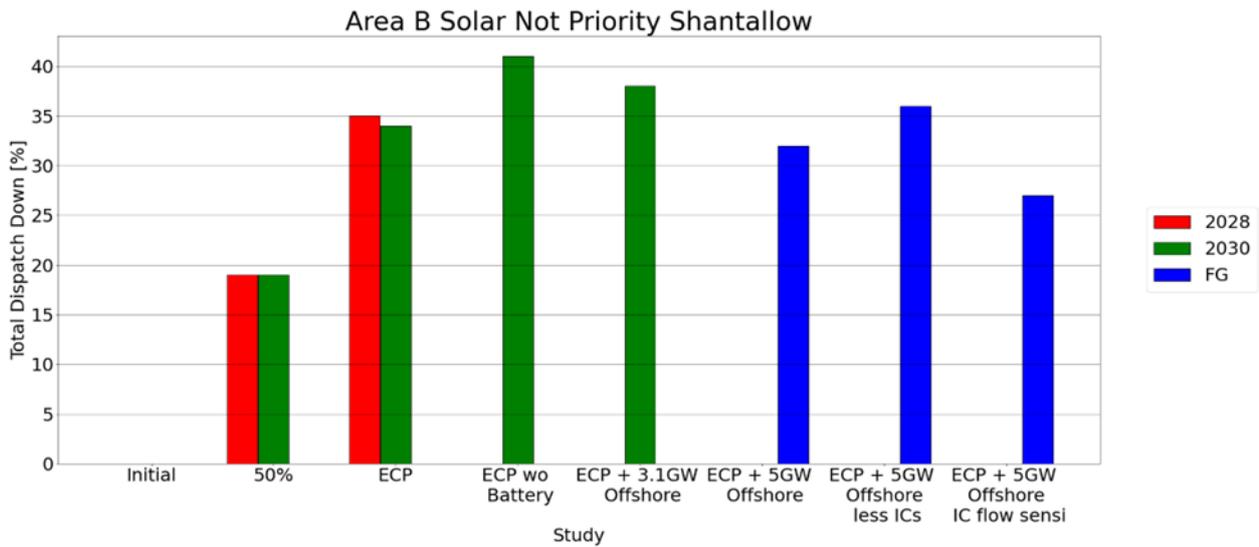


Figure 2-34- Total Dispatch Down for Solar not priority for Node Shantallow

The solar not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	35	
Installed Capacity (MW)	2030	35	35
Available Energy (GWh)	2028	45	
Available Energy (GWh)	2030	45	45
Generation (GWh)	2028	29	
Generation (GWh)	2030	30	28
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-55- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Shantallow

2.14 Sligo

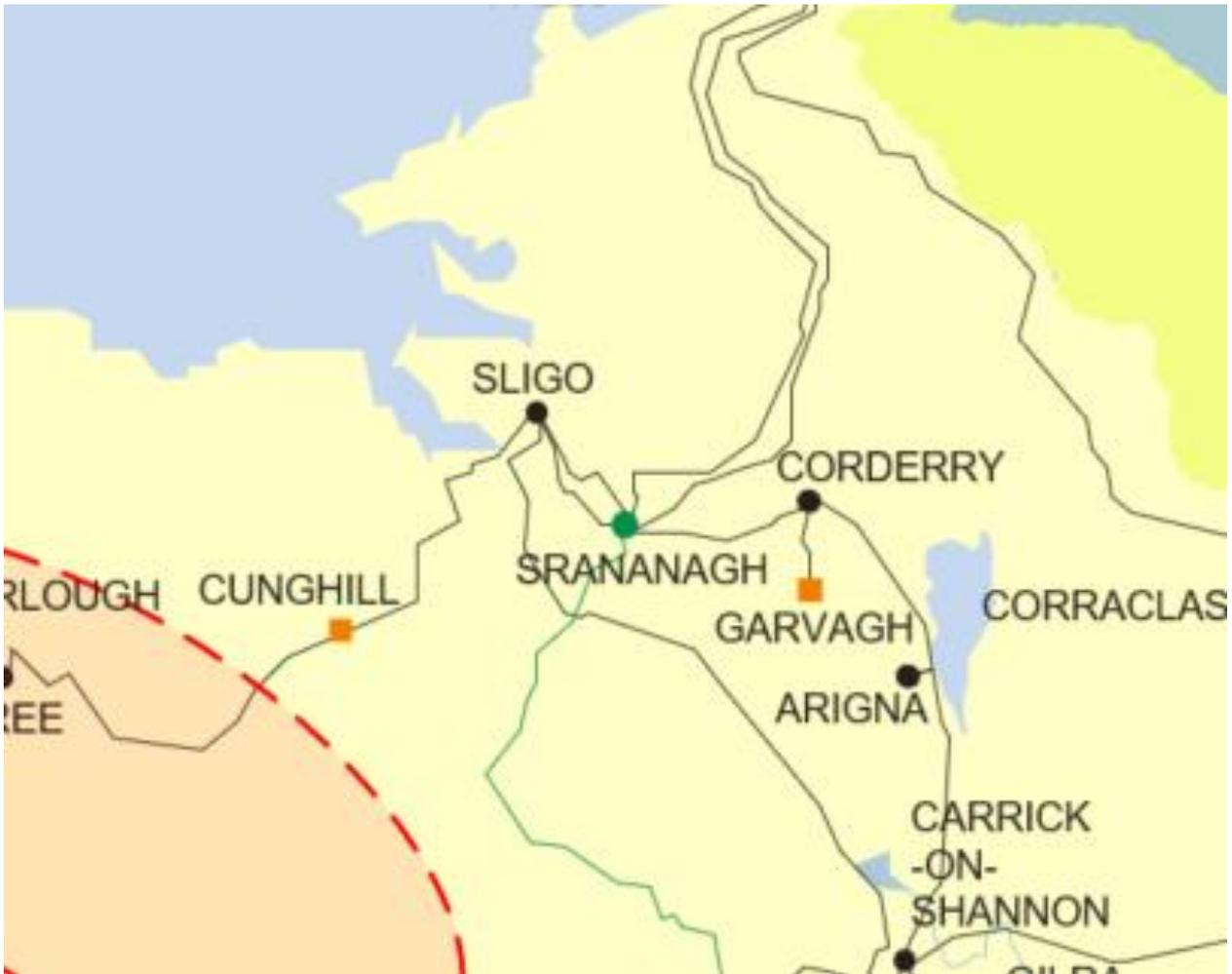


Figure 2-35- Location of node Sligo

Generator	SO	Capacity	Type	Status
Faghary (1)	DSO	6.0	wind priority	connected
Carrickeeny (1)	DSO	7.65	wind priority	connected
Templehouse Community Wind Turbine	DSO	4.08	wind not priority	due to connected

Table 2-56- Generation Included in Study for Node Sligo

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		2	4					
Installed Capacity (MW)	2030		2	4	4	4			
Installed Capacity (MW)	FG						4	4	4
Available Energy (GWh)	2028		6	12					
Available Energy (GWh)	2030		6	12	12	12			
Available Energy (GWh)	FG						12	12	12
Generation (GWh)	2028		3	5					
Generation (GWh)	2030		3	5	5	5			
Generation (GWh)	FG						6	6	7
Surplus (%)	2028		23 %	29 %					
Surplus (%)	2030		24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		22 %	24 %					
Constraint (%)	2030		21 %	24 %	22 %	17 %			
Constraint (%)	FG						14 %	10 %	17 %
Total Dispatch Down (%)	2028		49 %	57 %					
Total Dispatch Down (%)	2030		49 %	58 %	61 %	62 %			
Total Dispatch Down (%)	FG						50 %	51 %	41 %

Table 2-57- Surplus, Curtailement and Constraint for Wind non-priority for Node Sligo

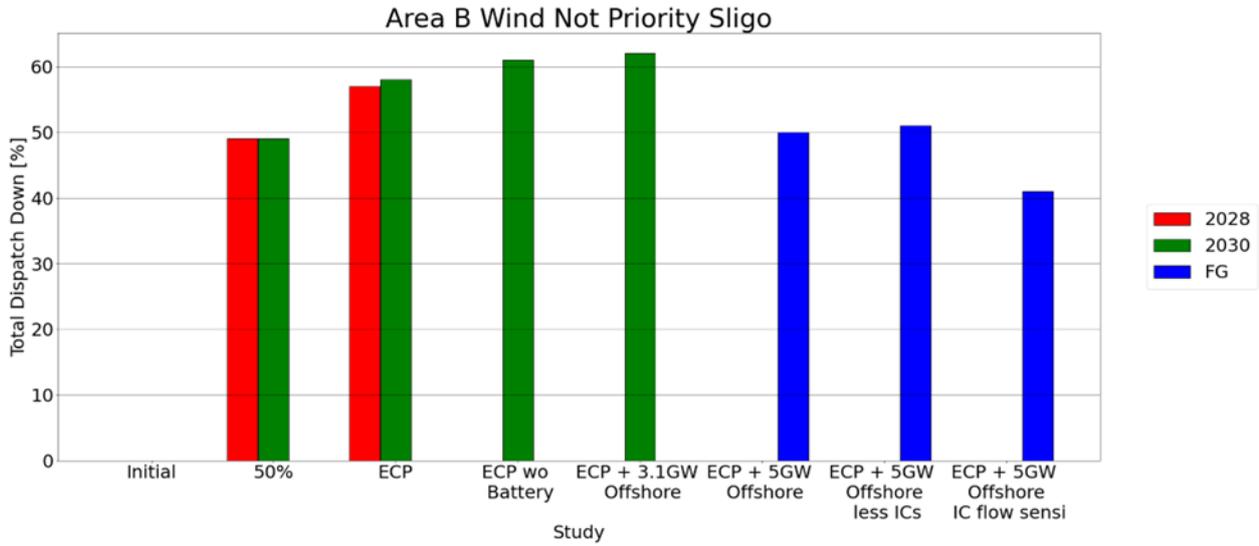


Figure 2-36- Total Dispatch Down for Wind not priority for Node Sligo

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	4	
Installed Capacity (MW)	2030	4	4
Available Energy (GWh)	2028	12	
Available Energy (GWh)	2030	12	12
Generation (GWh)	2028	6	
Generation (GWh)	2030	6	5
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	50 %	
Total Dispatch Down (%)	2030	50 %	57 %

Table 2-58- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Sligo

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	14	14	14					
Installed Capacity (MW)	2030	14	14	14	14	14			
Installed Capacity (MW)	FG						14	14	14
Available Energy (GWh)	2028	42	42	42					
Available Energy (GWh)	2030	42	42	42	42	42			
Available Energy (GWh)	FG						42	42	42
Generation (GWh)	2028	37	38	38					
Generation (GWh)	2030	39	39	39	38	38			
Generation (GWh)	FG						39	39	40
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-59- Surplus, Curtailment and Constraint for Wind priority for Node Sligo

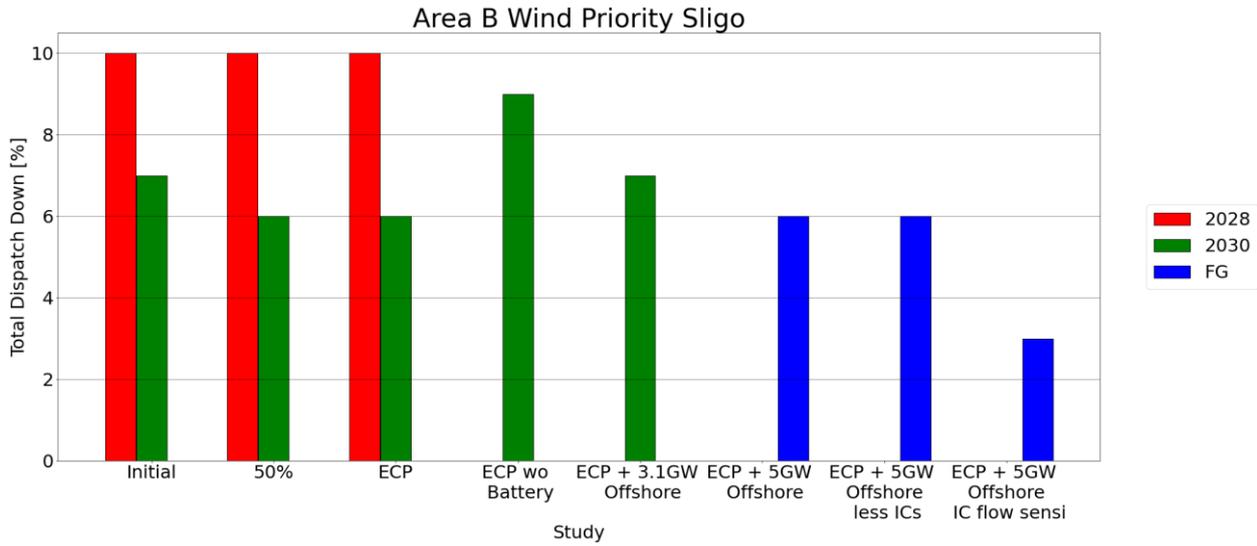


Figure 2-37- Total Dispatch Down for Wind priority for Node Sligo

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	14	
Installed Capacity (MW)	2030	14	14
Available Energy (GWh)	2028	42	
Available Energy (GWh)	2030	42	42
Generation (GWh)	2028	31	
Generation (GWh)	2030	32	34
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-60- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Sligo

2.15 Tawnaghmore

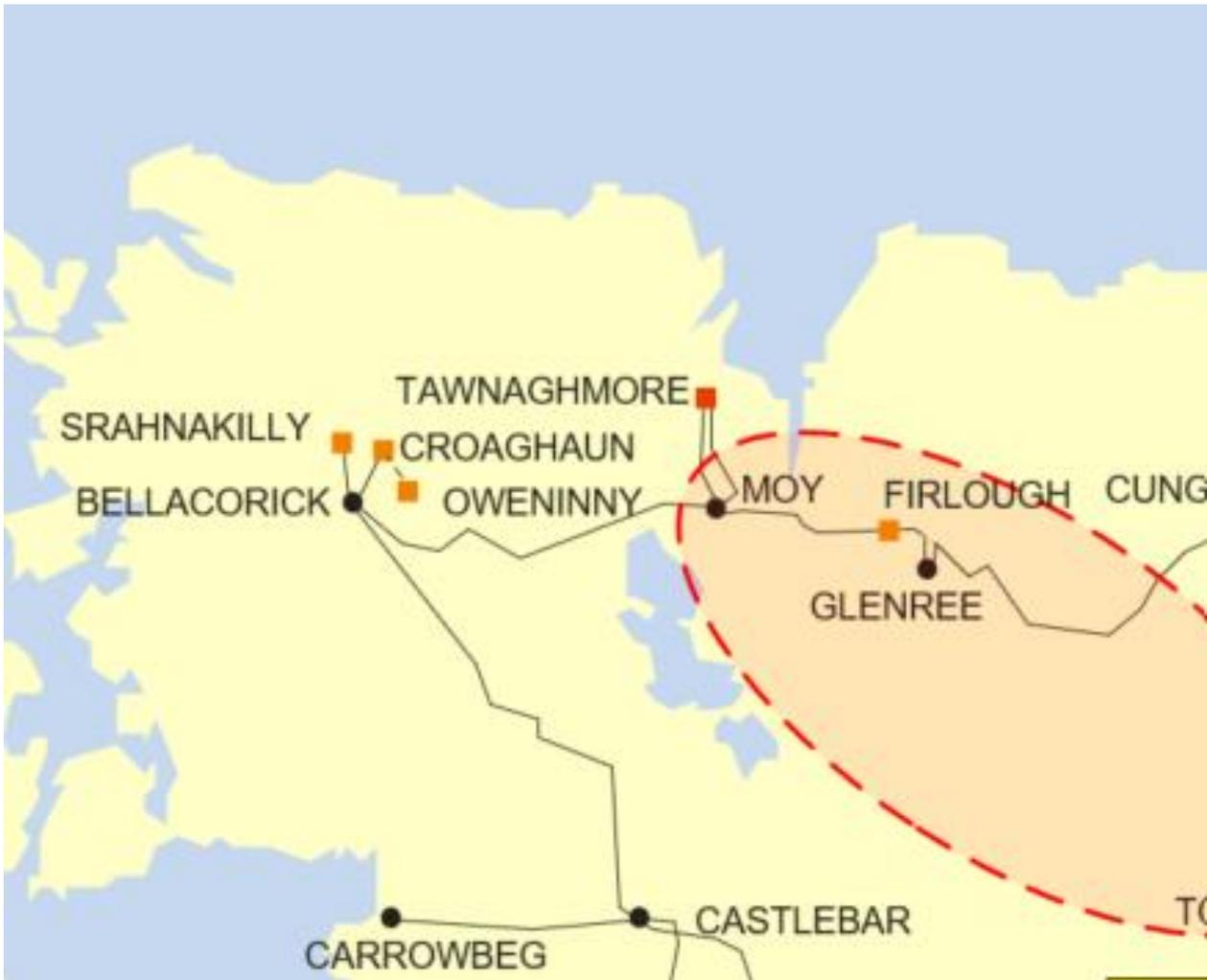


Figure 2-38- Location of node Tawnaghmore

Generator	SO	Capacity	Type	Status
Killala Wind Farm (Phase 1)	DSO	19.2	wind priority	connected

Table 2-61- Generation Included in Study for Node Tawnaghmore

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	19	19	19					
Installed Capacity (MW)	2030	19	19	19	19	19			
Installed Capacity (MW)	FG						19	19	19
Available Energy (GWh)	2028	59	59	59					
Available Energy (GWh)	2030	58	58	58	58	58			
Available Energy (GWh)	FG						58	58	58
Generation (GWh)	2028	53	53	53					
Generation (GWh)	2030	54	55	55	53	54			
Generation (GWh)	FG						55	55	57
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	10 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	9 %	7 %			
Curtailement (%)	FG						6 %	6 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	10 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	9 %	7 %			
Total Dispatch Down (%)	FG						6 %	6 %	3 %

Table 2-62- Surplus, Curtailment and Constraint for Wind priority for Node Tawnaghmore

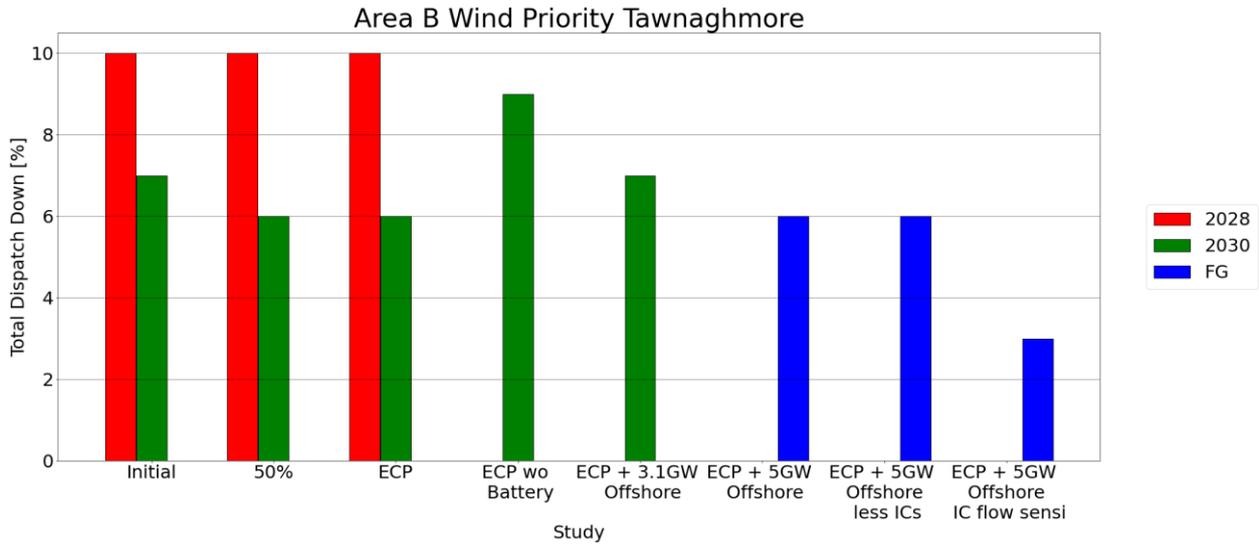


Figure 2-39- Total Dispatch Down for Wind priority for Node Tawnaghmore

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	19	
Installed Capacity (MW)	2030	19	19
Available Energy (GWh)	2028	59	
Available Energy (GWh)	2030	58	58
Generation (GWh)	2028	43	
Generation (GWh)	2030	45	47
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	27 %	
Total Dispatch Down (%)	2030	23 %	19 %

Table 2-63- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Tawnaghmore

2.16 Tonroe

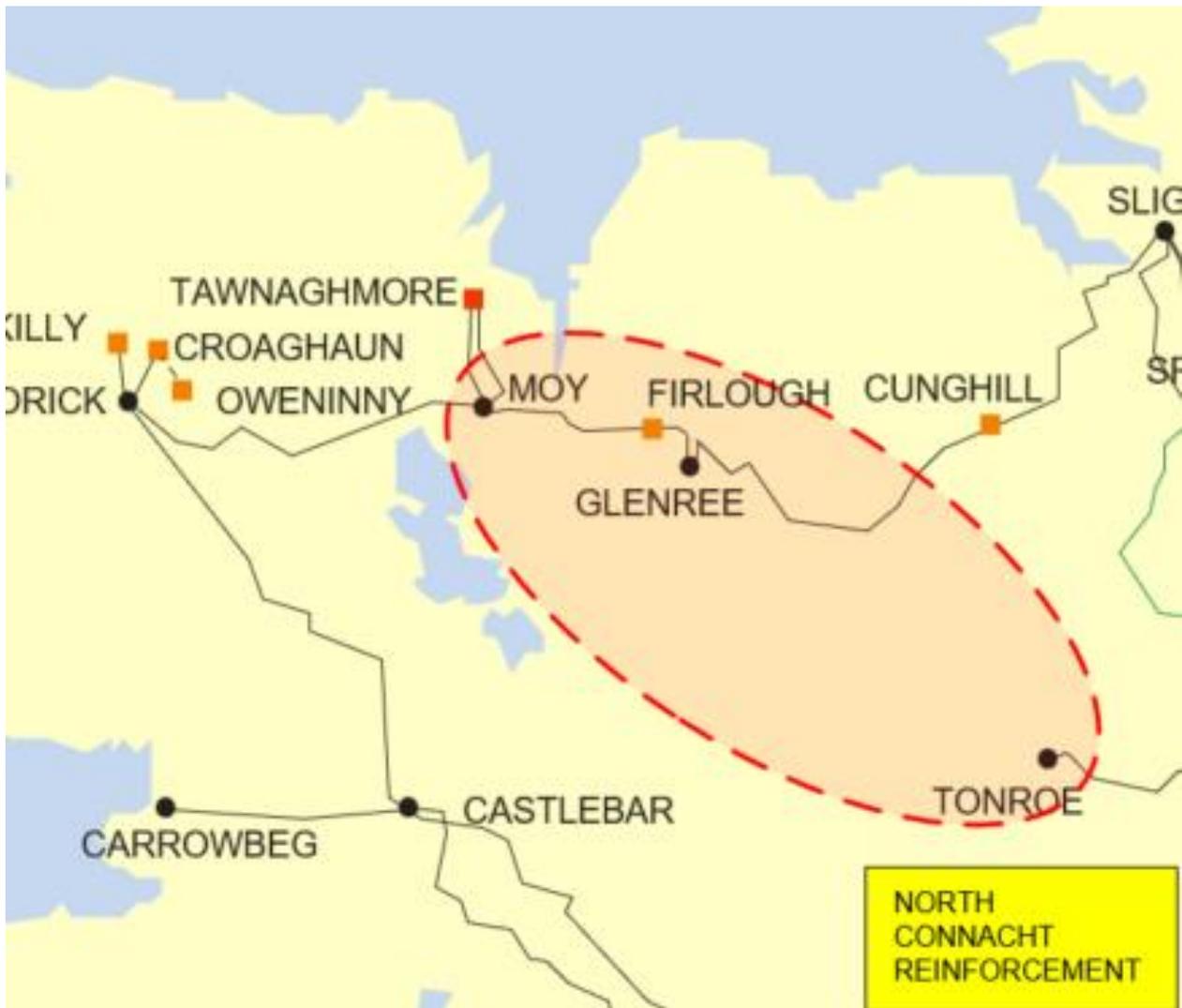


Figure 2-40- Location of node Tonroe

Generator	SO	Capacity	Type	Status
Largan Hill (1)	DSO	5.94	wind uncontrolled	connected
Roosky (1)	DSO	3.6	wind uncontrolled	connected
Grady Joinery	DSO	2.5	wind uncontrolled	connected
Cloonaragher Wind Farm	DSO	4.99	wind not priority	due to connected

Table 2-64- Generation Included in Study for Node Tonroe

The wind not priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		2	5					
Installed Capacity (MW)	2030		2	5	5	5			
Installed Capacity (MW)	FG						5	5	5
Available Energy (GWh)	2028		8	15					
Available Energy (GWh)	2030		8	15	15	15			
Available Energy (GWh)	FG						15	15	15
Generation (GWh)	2028		4	7					
Generation (GWh)	2030		4	6	6	6			
Generation (GWh)	FG						8	7	9
Surplus (%)	2028		23 %	29 %					
Surplus (%)	2030		24 %	31 %	36 %	43 %			
Surplus (%)	FG						34 %	39 %	22 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		22 %	24 %					
Constraint (%)	2030		21 %	24 %	22 %	17 %			
Constraint (%)	FG						14 %	10 %	17 %
Total Dispatch Down (%)	2028		49 %	57 %					
Total Dispatch Down (%)	2030		49 %	58 %	61 %	62 %			
Total Dispatch Down (%)	FG						50 %	51 %	41 %

Table 2-65- Surplus, Curtailement and Constraint for Wind non-priority for Node Tonroe

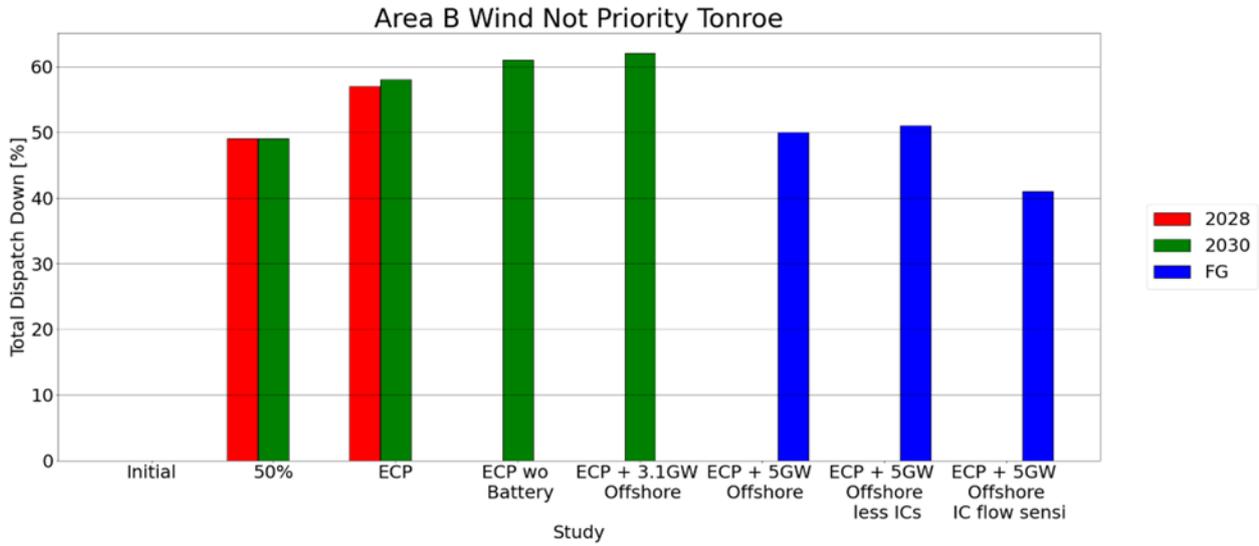


Figure 2-41- Total Dispatch Down for Wind not priority for Node Tonroe

The wind not priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	5	
Installed Capacity (MW)	2030	5	5
Available Energy (GWh)	2028	15	
Available Energy (GWh)	2030	15	15
Generation (GWh)	2028	8	
Generation (GWh)	2030	8	7
Surplus (%)	2028	29 %	
Surplus (%)	2030	31 %	43 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	16 %	
Constraint (%)	2030	17 %	12 %
Total Dispatch Down (%)	2028	50 %	
Total Dispatch Down (%)	2030	50 %	57 %

Table 2-66- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Tonroe

2.17 Uggool

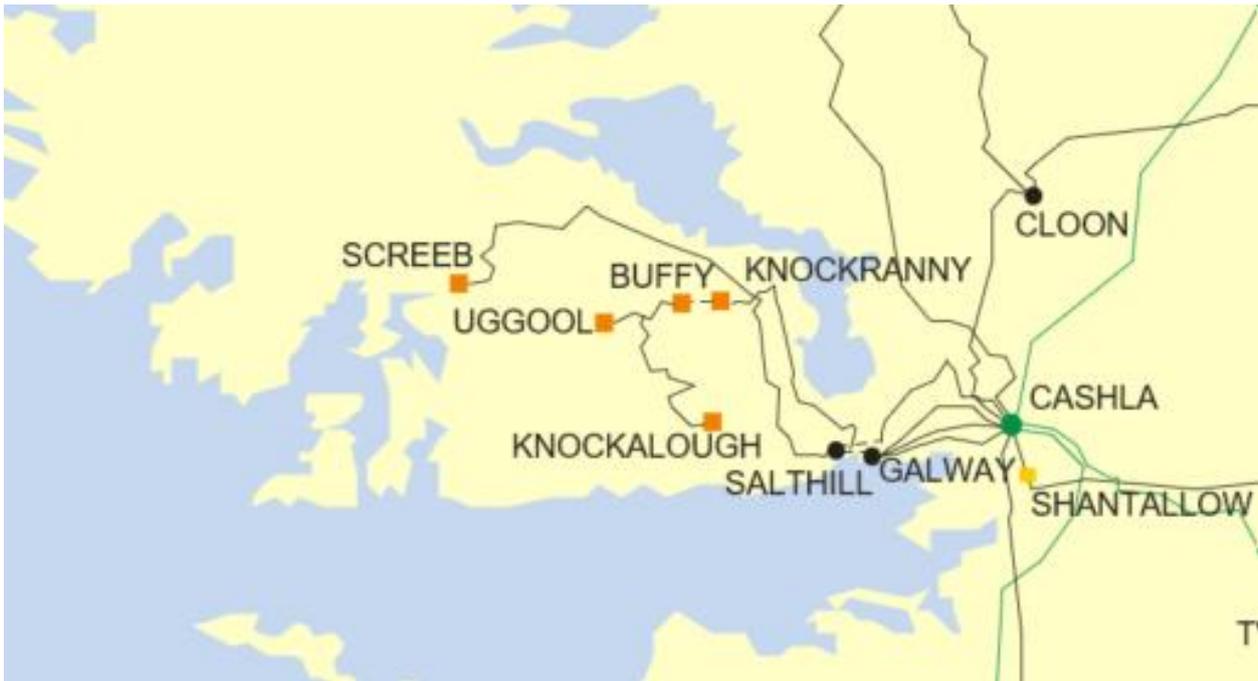


Figure 2-42 - Location of node Uggool

Generator	SO	Capacity	Type	Status
Uggool (1)	TSO	64.0	wind priority	connected
Seecon (1)	TSO	105.0	wind priority	connected

Table 2-67- Generation Included in Study for Node Uggool

The wind priority data is given in the following table.

Area B	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	169	169	169					
Installed Capacity (MW)	2030	169	169	169	169	169			
Installed Capacity (MW)	FG						169	169	169
Available Energy (GWh)	2028	751	751	751					
Available Energy (GWh)	2030	747	747	747	747	747			
Available Energy (GWh)	FG						747	747	747
Generation (GWh)	2028	686	690	686					
Generation (GWh)	2030	705	710	708	690	699			
Generation (GWh)	FG						710	711	729
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	9 %	8 %	9 %					
Curtailement (%)	2030	6 %	5 %	5 %	8 %	6 %			
Curtailement (%)	FG						5 %	5 %	2 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	9 %	8 %	9 %					
Total Dispatch Down (%)	2030	6 %	5 %	5 %	8 %	6 %			
Total Dispatch Down (%)	FG						5 %	5 %	2 %

Table 2-68- Surplus, Curtailement and Constraint for Wind priority for Node Ugool

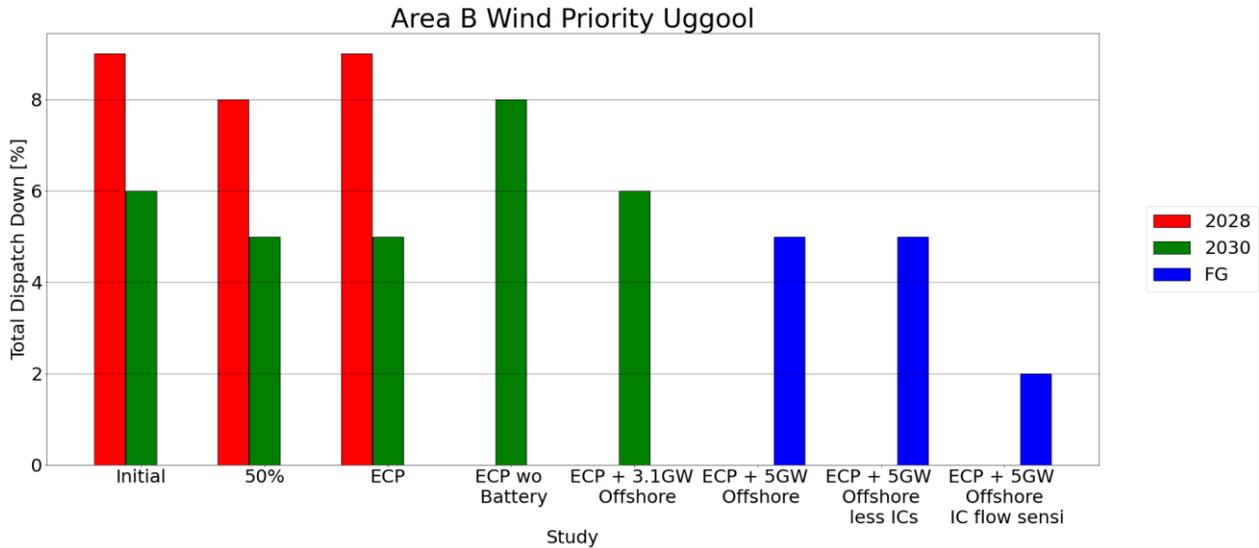


Figure 2-43- Total Dispatch Down for Wind priority for Node Uggool

The wind priority with sensitivity data is given in the following table.

Area B	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	169	
Installed Capacity (MW)	2030	169	169
Available Energy (GWh)	2028	751	
Available Energy (GWh)	2030	747	747
Generation (GWh)	2028	619	
Generation (GWh)	2030	663	662
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	9 %	
Curtailement (%)	2030	5 %	6 %
Constraint (%)	2028	9 %	
Constraint (%)	2030	6 %	5 %
Total Dispatch Down (%)	2028	18 %	
Total Dispatch Down (%)	2030	11 %	11 %

Table 2-69- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Uggool