

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

Results for Area E 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 E	ECP Team	ECP Lead	ECP Senior Lead	Economic Analysis Manager

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2.22	Mallow	110
2.23	Moneypoint	113
2.24	Moneypoint 220kv	116
2.25	Oughtragh	119
2.26	Pollagh	124
2.27	Rathkeale	129
2.28	Reamore	132
2.29	Tralee	137
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1 Overview for Area E

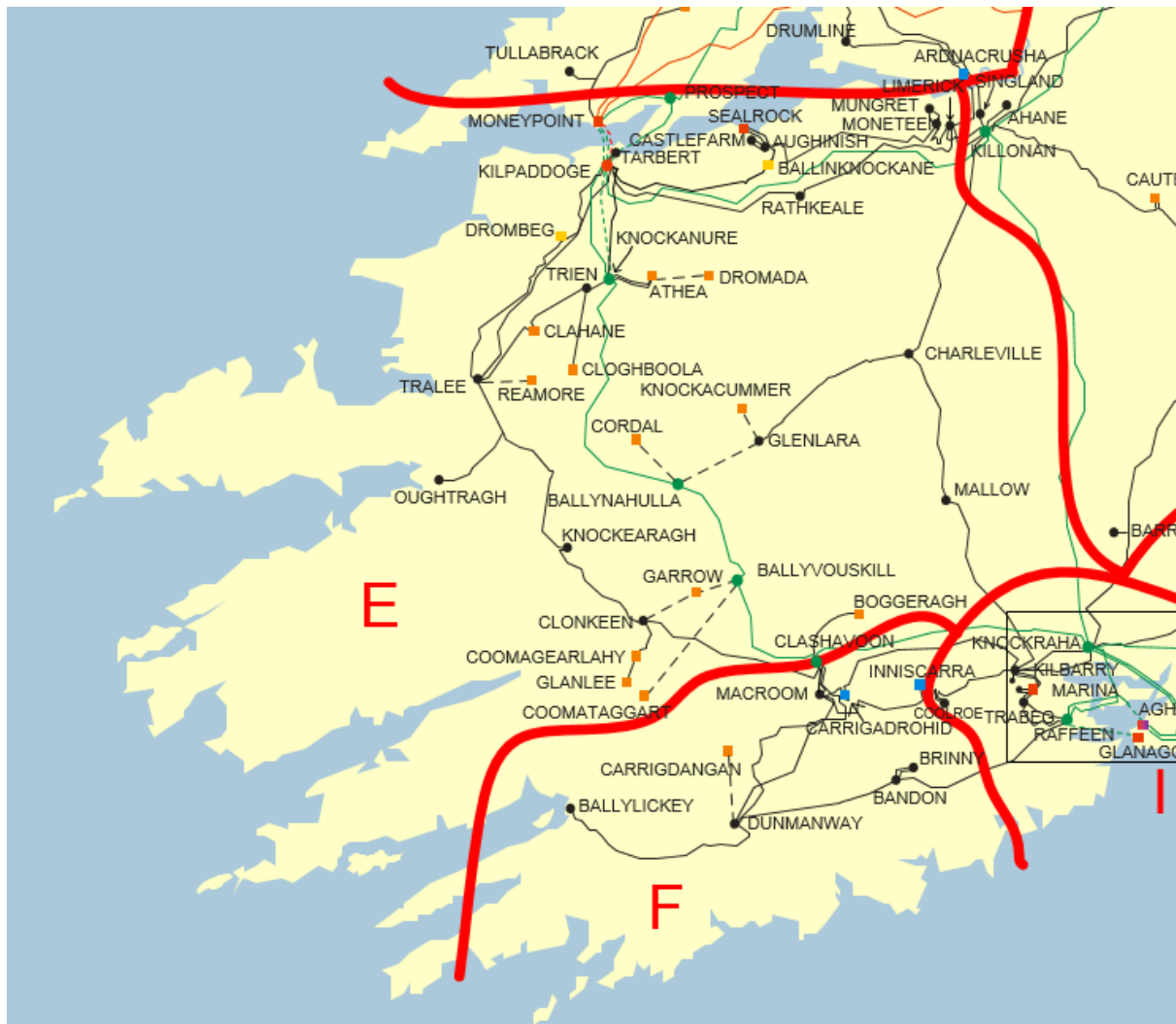


Figure 1-1 Network Map for Area E

Area E, in the southwest of the country includes a mix of wind and solar generation. The counties that are covered in this area include Clare (partial), Kerry, Cork (partial) and Limerick. The transmission network in Area E and the surrounding area is shown in Figure 1-1. The 400 kV circuits are shown in red, 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 E. For information on the study assumptions, methodology and Ireland summary report please refer to the ECP webpage¹. This document contains two main sections:

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))

Section 1: An overview of the estimated surplus, curtailment, and constraint values for Area E 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 E 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 E.

1.2 Key Summary

At times of high renewable generation, there is a net export of power from Area E, and the dominant power flows tend to be from Area E 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 E 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 E.

Also, the power flowing out of Area E meets and joins with power flows from other areas, as the power flows towards east region. With the addition of the Celtic interconnector, during high renewable scenarios the power flow changes and flows towards the interconnector connected at Knockraha.

The power from Area E tends to flow onto the 220 kV circuit connecting Tarbert 220 kV station to Knockraha 220 kV station. In Area E, during the high renewable energy scenarios, the Knockanure 220kV and Ballyvouskil 220KV region are some of the congested regions for the northern and southern part of Area E respectively. Any issues with the 220 kV circuit or with parallel paths can limit the generation in this area. The power flows towards either direction depending on the wind availability in the region. The area also benefits from the Celtic interconnector connecting to Knockraha since 2028. Additionally, the issues binding for the circuits in Area E can create additional stress in the Area F and Area I circuits, as they merge with rescue flows towards Knockraha. Contingencies in this area were seen to affect adjacent areas as the rescue flow utilizes the available parallel path formed by 110 kV circuits. List of binding contingency and overloaded lines are given in ECP 2.5 Ireland Summary Report in ECP webpage.

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 E in the “ECP” scenario is given in Table 1-1. Installed and controllable energy in Area E is given in Table 1-2 for solar and Table 1-3 for wind.

Node	SO	Status	Solar	Wind
Athea	TSO	connected		23
Athea	TSO	connected		34
Ballinknockane	TSO	due to connected	50	
Ballyvouskil 220	TSO	due to connected	12	
Ballyvouskil 220	TSO	due to connected		42
Boggeragh	DSO	due to connected	13	
Boggeragh	TSO	due to connected	12	
Boggeragh	DSO	connected		23
Boggeragh	DSO	connected		20
Boggeragh	TSO	connected		123
Charleville	TSO	due to connected	165	

Charleville	DSO	connected		51
Charleville	DSO	connected		18
Clahane	TSO	due to connected	34	
Clahane	TSO	connected		52
Clashavoon	TSO	due to connected		112
Cloghboola	DSO	connected		55
Cloghboola	TSO	connected		46
Coomagearlahy	TSO	due to connected	7	
Coomagearlahy	TSO	connected		81
Coomataggart	DSO	connected		43
Coomataggart	TSO	connected		114
Coomataggart	TSO	due to connected		86
Cordal	DSO	connected		58
Cordal	TSO	connected		90
Dromada	TSO	connected		28
Drombeg	TSO	due to connected	94	
Drombeg	DSO	due to connected		25
Garrow	DSO	connected		10
Garrow	TSO	connected		59
Garrow	DSO	connected		5
Glanlee	TSO	due to connected		26
Glanlee	TSO	connected		30
Glenlara	DSO	connected	5	
Glenlara 220Kv Side	DSO	connected		14
Glenlara	DSO	connected		26
Glenlara 220Kv Side	DSO	connected		27
Kilpaddoge	DSO	connected		18
Kilpaddoge	TSO	connected		37
Knockacummer	TSO	connected		105
Knockearagh	DSO	due to connected	5	
Knockearagh	DSO	connected		9
Knockearagh	DSO	connected		4
Limerick	DSO	due to connected	5	
Mallow	DSO	connected	5	
Moneypoint 220Kv	TSO	due to connected		450
Moneypoint	TSO	connected		17
Oughtragh	DSO	due to connected	9	
Oughtragh	DSO	connected		9
Pollagh	TSO	due to connected	128	
Pollagh	TSO	due to connected		50
Rathkeale	DSO	connected		28
Rathkeale	DSO	connected		5
Reamore	DSO	due to connected		30
Reamore	DSO	connected		58

Reamore	DSO	connected		2
Tralee	DSO	due to connected	15	
Tralee	DSO	connected		15
Tralee	DSO	connected		33
Trien	DSO	connected		47
Trien	DSO	connected		8
Trien	DSO	connected		19
Total			559	2265

Table 1-1 Wind and Solar Generation Summary (MW) in Area E 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 E (MW)	559	559	559	559	559
Installed Controllable Area E (MW)	559	559	559	559	559
Available Controllable Area E (GWh)	655	655	655	655	655

Table 1-2- Installed MW and Available GWh for Area E - 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 E (MW)	1814	2264	2264	2264	2264
Installed Controllable Area E (MW)	1727	2177	2177	2177	2177
Available Controllable Area E (GWh)	5593	7583	7583	7583	7583

Table 1-3- Installed MW and Available GWh for Area E - 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.

Analysis of Area E identified a constraint subgroup for solar and wind generation combining Area E, Area F and Area I. The subgroup nodes are given in Table 1-4. A number of nodes in the north of Area E are included in the D and E North subgroup. The individual node level dispatch down is given in Section 2.

Subgroup	Nodes
D and E North	Ballinknockane
	Limerick
	Moneypoint
	Moneypoint 220 kV
	Rathkeale
E, F & I	Athea
	Ballyvouskil 220 kV
	Boggeragh
	Charleville
	Clahane
	Clashavoon
	Cloghboola
	Coomagearlahy
	Coomataggart
	Cordal
	Dromada
	Drombeg
	Garrow
	Glanlee
	Glenlara
	Glenlara 220kv
	Kilpaddoge
	Knockacummer
	Knockearagh
	Mallow
	Oughtragh
	Pollagh
	Reamore
	Tralee
	Trien

Table 1-4 Area E generators nodes and their subgroups



Figure 1-2 Subgroups E, F & I and D & E North (subgroups outlined by blue dashed line)

1.5 Area E - Summary Results

The Total Dispatch Down results for Area E are provided below in Table 1-5 to Table 1-16 and Figure 1-3 to Figure 1-8. 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 and Table 1-16 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 in most cases 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 E (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 1-16. 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 E, F & I

The solar non-priority data is given in the following table.

Area E (E, F & I)	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	94	299	504					
Installed Capacity (MW)	2030	94	299	504	504	504			
Installed Capacity (MW)	FG						504	504	504
Available Energy (GWh)	2028	110	351	591					
Available Energy (GWh)	2030	110	350	591	591	591			
Available Energy (GWh)	FG						591	591	591
Generation (GWh)	2028	73	278	410					
Generation (GWh)	2030	93	286	420	364	386			
Generation (GWh)	FG						427	396	470
Surplus (%)	2028	8 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	22 %	4 %	2 %					
Constraint (%)	2030	5 %	1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028	34 %	21 %	31 %					
Total Dispatch Down (%)	2030	16 %	18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 1-5 - Surplus, Curtailement and Constraint for Solar Non-priority in Area E (E, F & I)

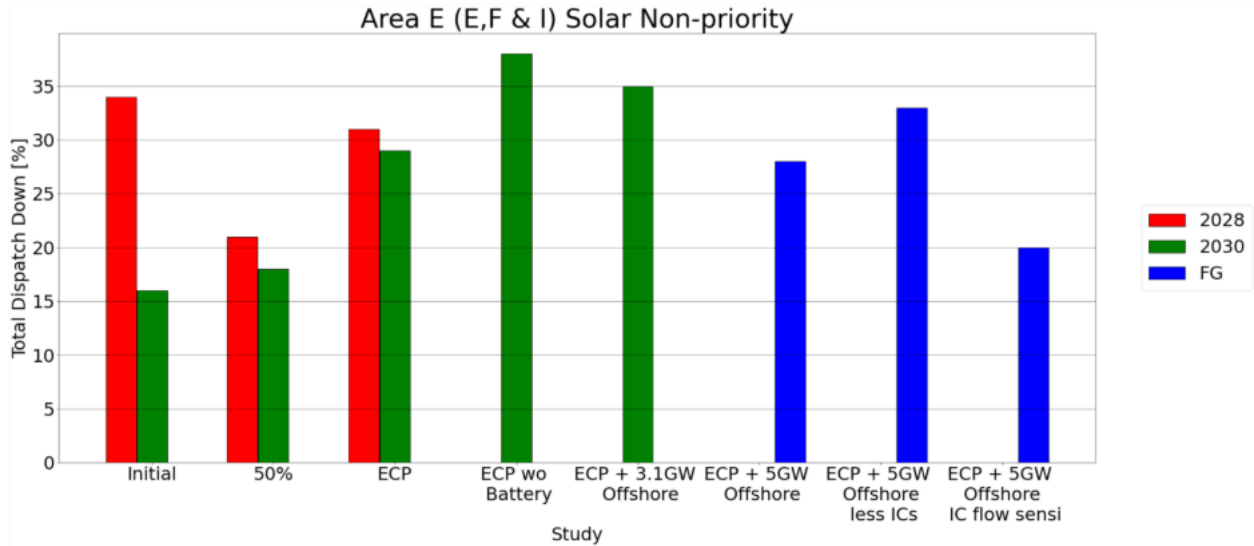


Figure 1-3- Results Solar Non-priority Area E (E, F & I)

Area E (E,F & I)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	504	
Installed Capacity (MW)	2030	504	504
Available Energy (GWh)	2028	591	
Available Energy (GWh)	2030	591	591
Generation (GWh)	2028	410	
Generation (GWh)	2030	420	386
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 1-6 - Surplus, Curtailement and Constraint for Solar Non-priority with sensitivity in Area E (E, F & I)

1.5.2 Non - priority Wind Results for E, F & I

The wind non-priority data is given in the following table.

Area E (E,F & I)	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	274	434	595					
Installed Capacity (MW)	2030	274	434	595	595	595			
Installed Capacity (MW)	FG						595	595	595
Available Energy (GWh)	2028	894	1415	1937					
Available Energy (GWh)	2030	888	1406	1925	1925	1925			
Available Energy (GWh)	FG						1925	1925	1925
Generation (GWh)	2028	222	700	1000					
Generation (GWh)	2030	568	881	1109	957	660			
Generation (GWh)	FG						1001	969	1370
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 1-7 - Surplus, Curtailment and Constraint for Wind Non-priority in Area E (E, F & I)

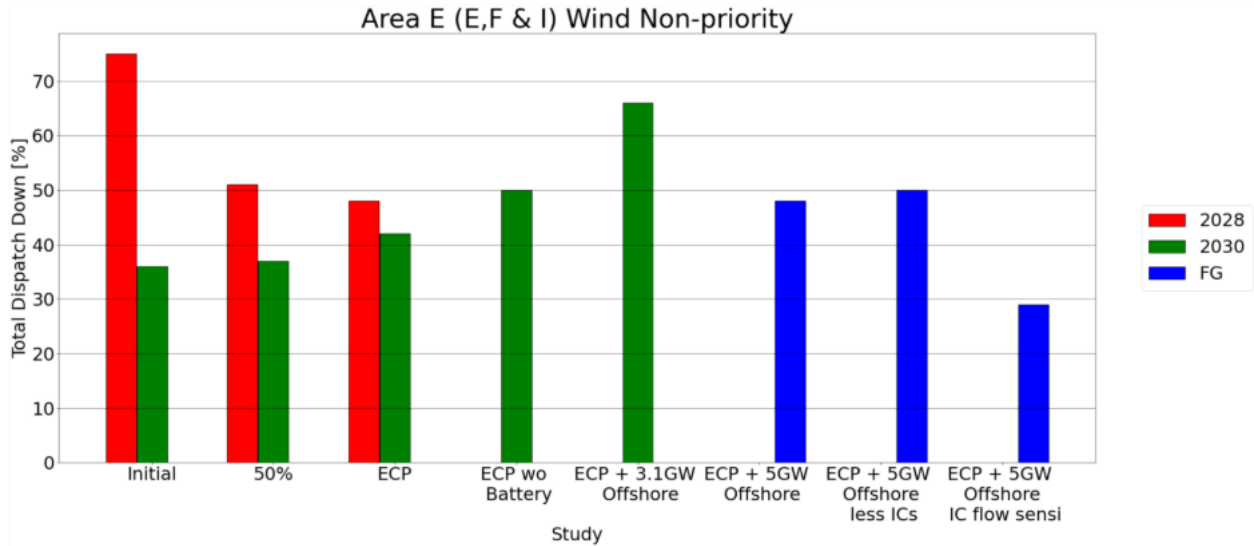


Figure 1-4 - Results Wind Non-priority Area E (E, F & I)

Area E (E,F & I)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	595	
Installed Capacity (MW)	2030	595	595
Available Energy (GWh)	2028	1937	
Available Energy (GWh)	2030	1925	1925
Generation (GWh)	2028	1218	
Generation (GWh)	2030	1249	937
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 1-8 - Surplus, Curtailement and Constraint for Wind Non-priority with sensitivity in Area E (E, F & I)

1.5.3 Priority Wind Results for E, F & I

The wind priority data is given in the following table.

Area E (E, F & I)	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	1088	1088	1088					
Installed Capacity (MW)	2030	1088	1088	1088	1088	1088			
Installed Capacity (MW)	FG						1088	1088	1088
Available Energy (GWh)	2028	3546	3546	3546					
Available Energy (GWh)	2030	3523	3523	3523	3523	3523			
Available Energy (GWh)	FG						3523	3523	3523
Generation (GWh)	2028	3200	3228	3208					
Generation (GWh)	2030	3291	3322	3316	3231	3276			
Generation (GWh)	FG						3328	3334	3424
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 1-9 - Surplus, Curtailement and Constraint for Wind Priority in Area E (E, F & I)

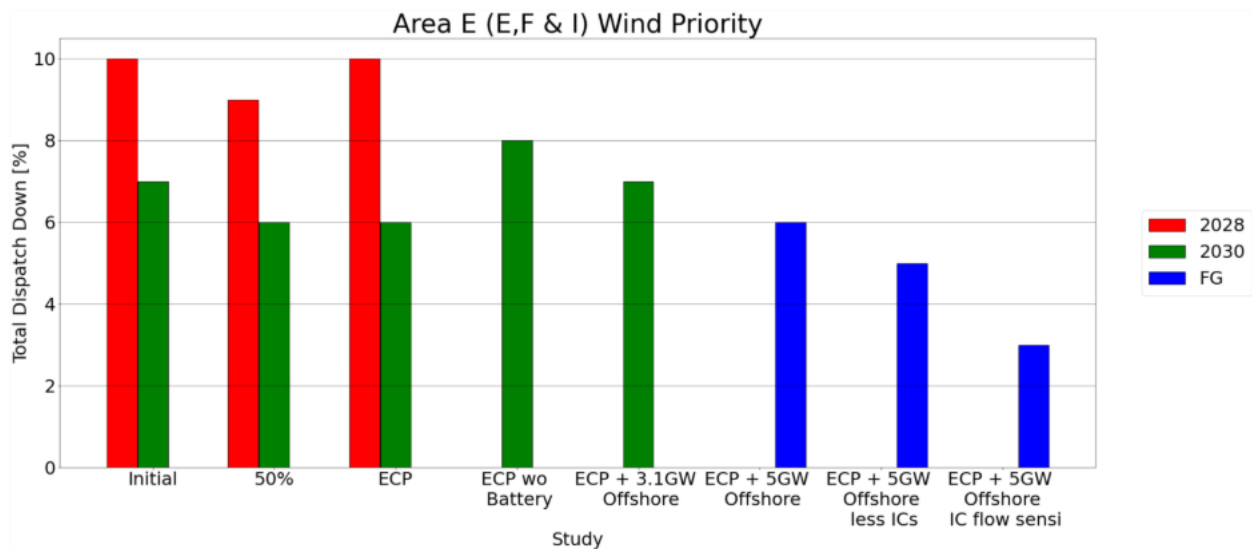


Figure 1-5 - Results Wind Priority Area E (E, F & I)

Area E (E,F & I)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	1088	
Installed Capacity (MW)	2030	1088	1088
Available Energy (GWh)	2028	3546	
Available Energy (GWh)	2030	3523	3523
Generation (GWh)	2028	2982	
Generation (GWh)	2030	3170	2989
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 1-10 - Surplus, Curtailement and Constraint for Wind Priority with sensitivity in Area E (E, F & I)

1.5.4 Non - priority Solar Results for D and E North

The solar non-priority data is given in the following table.

Area E (D and E 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	50	52	55					
Installed Capacity (MW)	2030	50	52	55	55	55			
Installed Capacity (MW)	FG						55	55	55
Available Energy (GWh)	2028	59	62	64					
Available Energy (GWh)	2030	59	61	64	64	64			
Available Energy (GWh)	FG						64	64	64
Generation (GWh)	2028	51	51	46					
Generation (GWh)	2030	52	51	46	40	42			
Generation (GWh)	FG						48	44	52
Surplus (%)	2028	8 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	1 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						1 %	0 %	0 %
Total Dispatch Down (%)	2028	13 %	17 %	29 %					
Total Dispatch Down (%)	2030	11 %	18 %	28 %	38 %	34 %			
Total Dispatch Down (%)	FG						26 %	32 %	20 %

Table 1-11 - Surplus, Curtailment and Constraint for Solar Non-priority in Area E (D and E North)

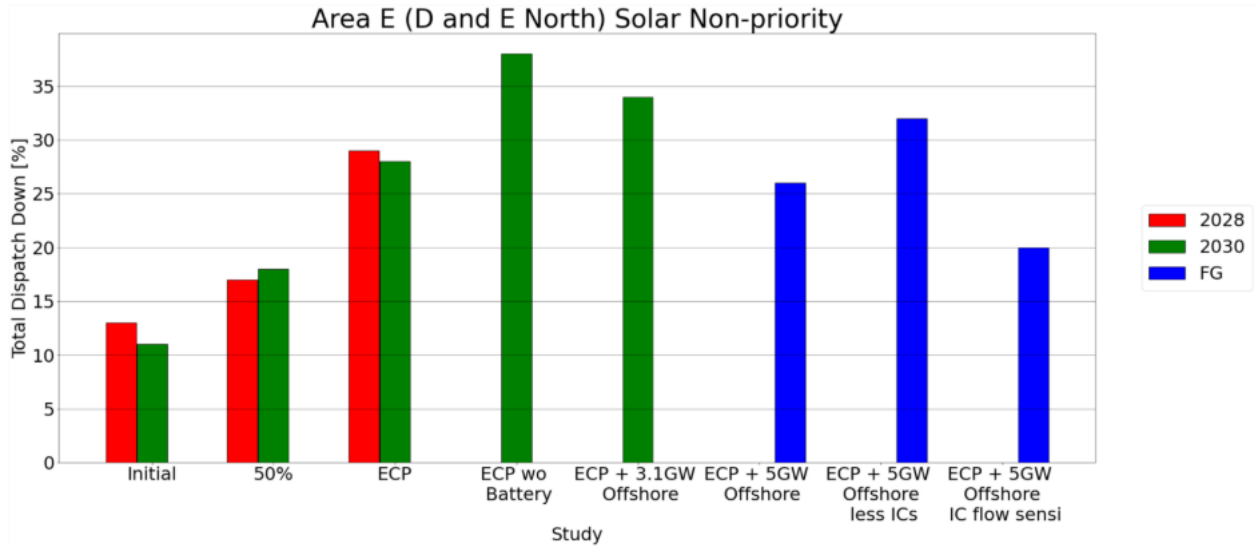


Figure 1-6 - Results Solar Non-priority Area E (D and E North)

Area E (D and E North)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	55	
Installed Capacity (MW)	2030	55	55
Available Energy (GWh)	2028	64	
Available Energy (GWh)	2030	64	64
Generation (GWh)	2028	46	
Generation (GWh)	2030	46	42
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailment (%)	2028	6 %	
Curtailment (%)	2030	4 %	4 %
Constraint (%)	2028	0 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	29 %	
Total Dispatch Down (%)	2030	28 %	34 %

Table 1-12- Surplus, Curtailment and Constraint for Solar Non-priority with sensitivity in Area E (D and E North)

1.5.5 Non - priority Wind Results for D and E North

The wind non-priority data is given in the following table.

Area E (D and E 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								
Installed Capacity (MW)	2030					450			
Installed Capacity (MW)	FG						450	450	450
Available Energy (GWh)	2028								
Available Energy (GWh)	2030					1990			
Available Energy (GWh)	FG						1990	1990	1990
Generation (GWh)	2028								
Generation (GWh)	2030					1228			
Generation (GWh)	FG						1307	1284	1593
Surplus (%)	2028								
Surplus (%)	2030					35 %			
Surplus (%)	FG						27 %	32 %	18 %
Curtailement (%)	2028								
Curtailement (%)	2030					3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028								
Constraint (%)	2030					0 %			
Constraint (%)	FG						5 %	1 %	1 %
Total Dispatch Down (%)	2028								
Total Dispatch Down (%)	2030					38 %			
Total Dispatch Down (%)	FG						34 %	36 %	20 %

Table 1-13 - Surplus, Curtailment and Constraint for Wind Non-priority in Area E (D and E North)

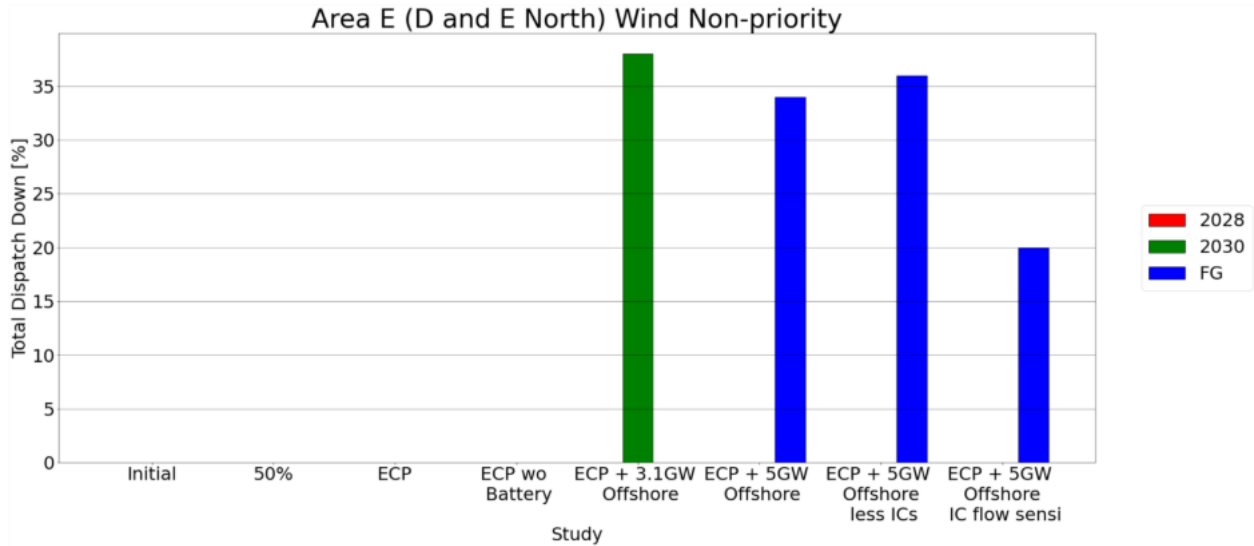


Figure 1-7 - Results Wind Non-priority Area E (D and E North)

Area E (D and E North)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028		
Installed Capacity (MW)	2030		450
Available Energy (GWh)	2028		
Available Energy (GWh)	2030		1990
Generation (GWh)	2028		
Generation (GWh)	2030		1229
Surplus (%)	2028		
Surplus (%)	2030		35 %
Curtailement (%)	2028		
Curtailement (%)	2030		3 %
Constraint (%)	2028		
Constraint (%)	2030		0 %
Total Dispatch Down (%)	2028		
Total Dispatch Down (%)	2030		38 %

Table 1-14 - Surplus, Curtailement and Constraint for Wind Non-priority with sensitivity in Area E (D and E North)

1.5.6 Priority Wind Results for D and E North

The wind priority data is given in the following table.

Area E (D and E 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	45	45	45					
Installed Capacity (MW)	2030	45	45	45	45	45			
Installed Capacity (MW)	FG						45	45	45
Available Energy (GWh)	2028	146	146	146					
Available Energy (GWh)	2030	145	145	145	145	145			
Available Energy (GWh)	FG						145	145	145
Generation (GWh)	2028	132	133	132					
Generation (GWh)	2030	135	137	136	133	135			
Generation (GWh)	FG						137	137	141
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 1-15 - Surplus, Curtailement and Constraint for Wind Priority in Area E (D and E North)

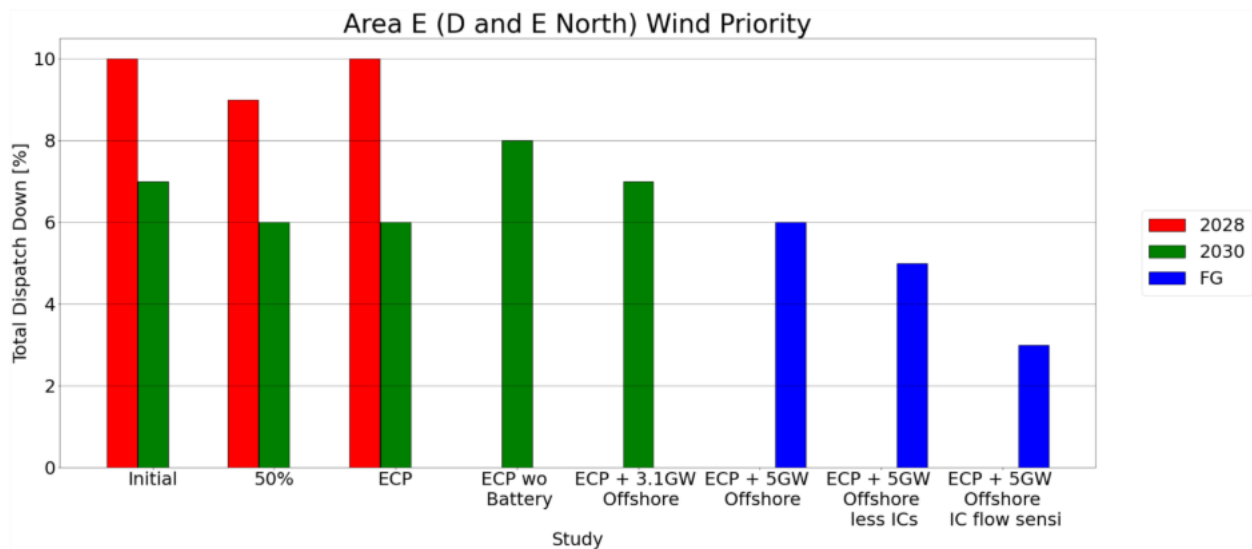


Figure 1-8 - Results Wind Priority Area E (D and E North)

Area E (D and E North)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	45	
Installed Capacity (MW)	2030	45	45
Available Energy (GWh)	2028	146	
Available Energy (GWh)	2030	145	145
Generation (GWh)	2028	132	
Generation (GWh)	2030	136	134
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	0 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	10 %	
Total Dispatch Down (%)	2030	6 %	7 %

Table 1-16 - Surplus, Curtailement and Constraint for Wind Priority with sensitivity in Area E (D and E North)

2 Area E Node Results

This section presents results for 30 nodes in Area E.

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 Athea, 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 Athea



Figure 2-1 - Location of node Athea

Generator	SO	Capacity	Type	Status
Beenanaspock and Tobertooreen Wind Farm	TSO	23.15	wind not priority	connected
Athea (1)a	TSO	34.35	wind priority	connected

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

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

Area E	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	23	23	23					
Installed Capacity (MW)	2030	23	23	23	23	23			
Installed Capacity (MW)	FG						23	23	23
Available Energy (GWh)	2028	75	75	75					
Available Energy (GWh)	2030	75	75	75	75	75			
Available Energy (GWh)	FG						75	75	75
Generation (GWh)	2028	19	37	39					
Generation (GWh)	2030	48	47	43	37	26			
Generation (GWh)	FG						39	38	53
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailment (%)	2028	6 %	5 %	5 %					
Curtailment (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailment (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

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

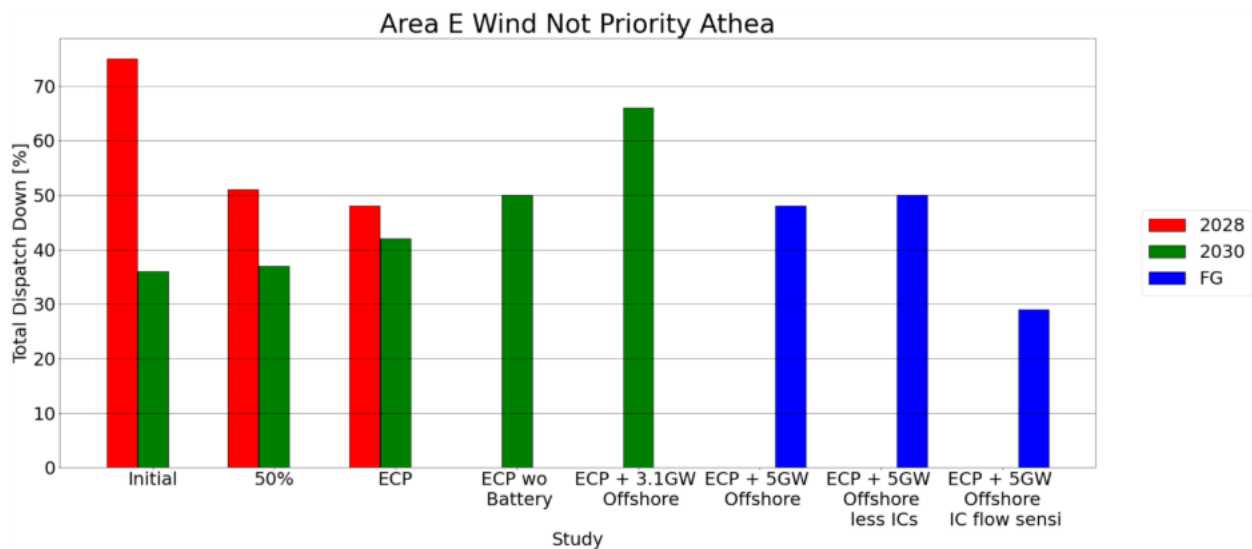


Figure 2-2- Total Dispatch Down for Wind not priority for Node Athea

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	23	
Installed Capacity (MW)	2030	23	23
Available Energy (GWh)	2028	75	
Available Energy (GWh)	2030	75	75
Generation (GWh)	2028	47	
Generation (GWh)	2030	49	36
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

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

The wind priority data is given in the following table.

Area E	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	112	112	112					
Available Energy (GWh)	2030	111	111	111	111	111			
Available Energy (GWh)	FG						111	111	111
Generation (GWh)	2028	101	102	101					
Generation (GWh)	2030	104	105	105	102	103			
Generation (GWh)	FG						105	105	108
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-4 - Surplus, Curtailment and Constraint for Wind priority for Node Athea

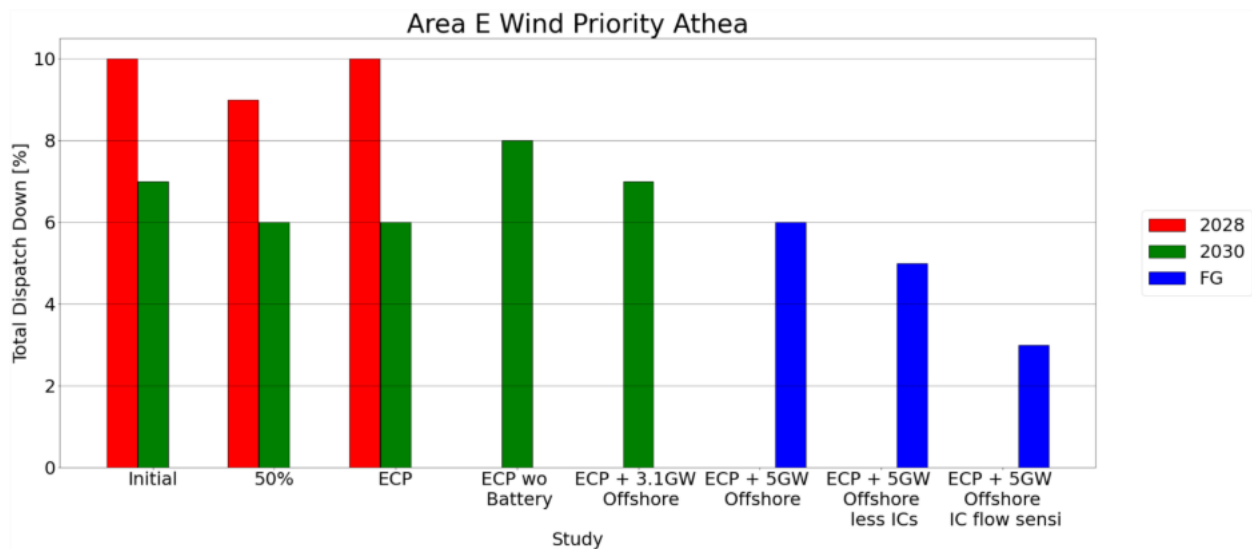


Figure 2-3 - Total Dispatch Down for Wind priority for Node Athea

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	34	
Installed Capacity (MW)	2030	34	34
Available Energy (GWh)	2028	112	
Available Energy (GWh)	2030	111	111
Generation (GWh)	2028	94	
Generation (GWh)	2030	100	94
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

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

2.2 Ballinknockane

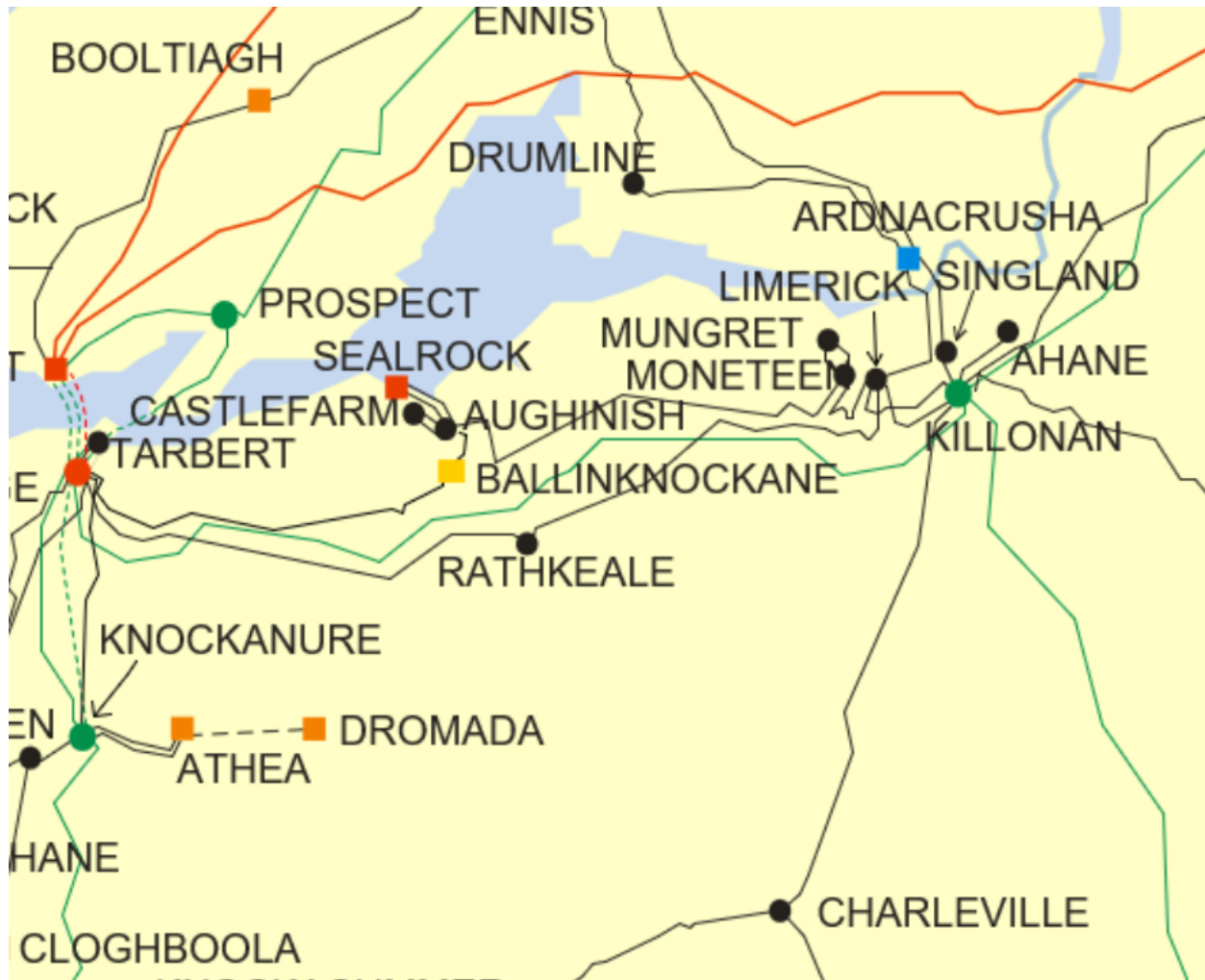


Figure 2-4 - Location of node Ballinknockane

Generator	SO	Capacity	Type	Status
Ballinknockane Solar Farm	TSO	50.0	solar not priority	due to connected

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

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

Area E	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	50	50	50					
Installed Capacity (MW)	2030	50	50	50	50	50			
Installed Capacity (MW)	FG						50	50	50
Available Energy (GWh)	2028	59	59	59					
Available Energy (GWh)	2030	59	59	59	59	59			
Available Energy (GWh)	FG						59	59	59
Generation (GWh)	2028	51	49	42					
Generation (GWh)	2030	52	48	42	36	38			
Generation (GWh)	FG						43	40	47
Surplus (%)	2028	8 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	1 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						1 %	0 %	0 %
Total Dispatch Down (%)	2028	13 %	17 %	29 %					
Total Dispatch Down (%)	2030	11 %	18 %	28 %	38 %	34 %			
Total Dispatch Down (%)	FG						26 %	32 %	20 %

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

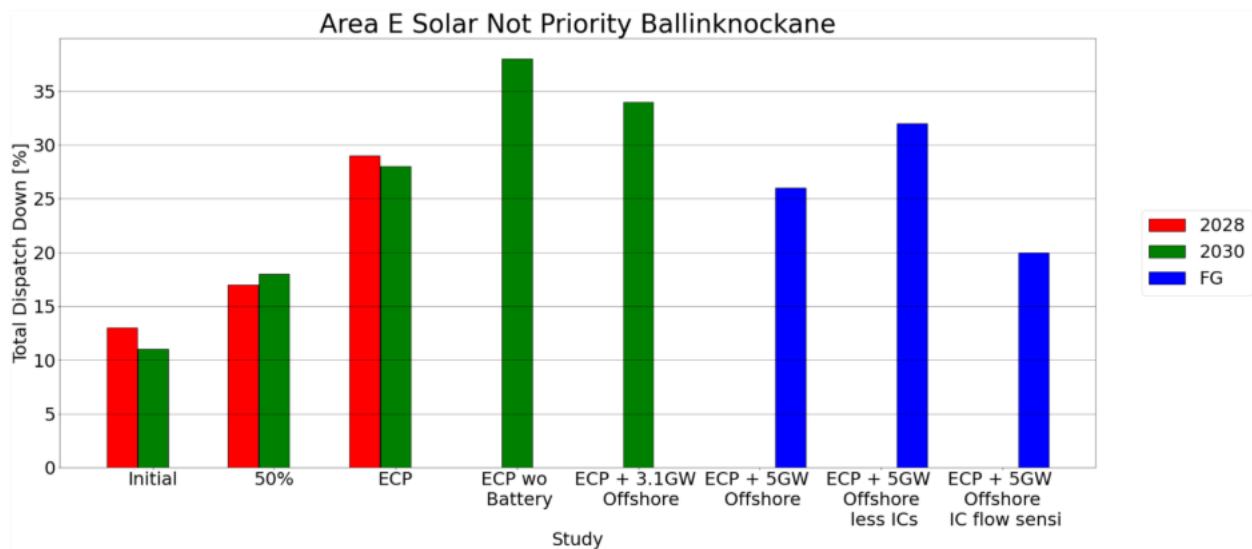


Figure 2-5 - Total Dispatch Down for Solar not priority for Node Ballinknockane

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	50	
Installed Capacity (MW)	2030	50	50
Available Energy (GWh)	2028	59	
Available Energy (GWh)	2030	59	59
Generation (GWh)	2028	42	
Generation (GWh)	2030	42	38
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	0 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	29 %	
Total Dispatch Down (%)	2030	28 %	34 %

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

2.3 Ballyvouskil 220

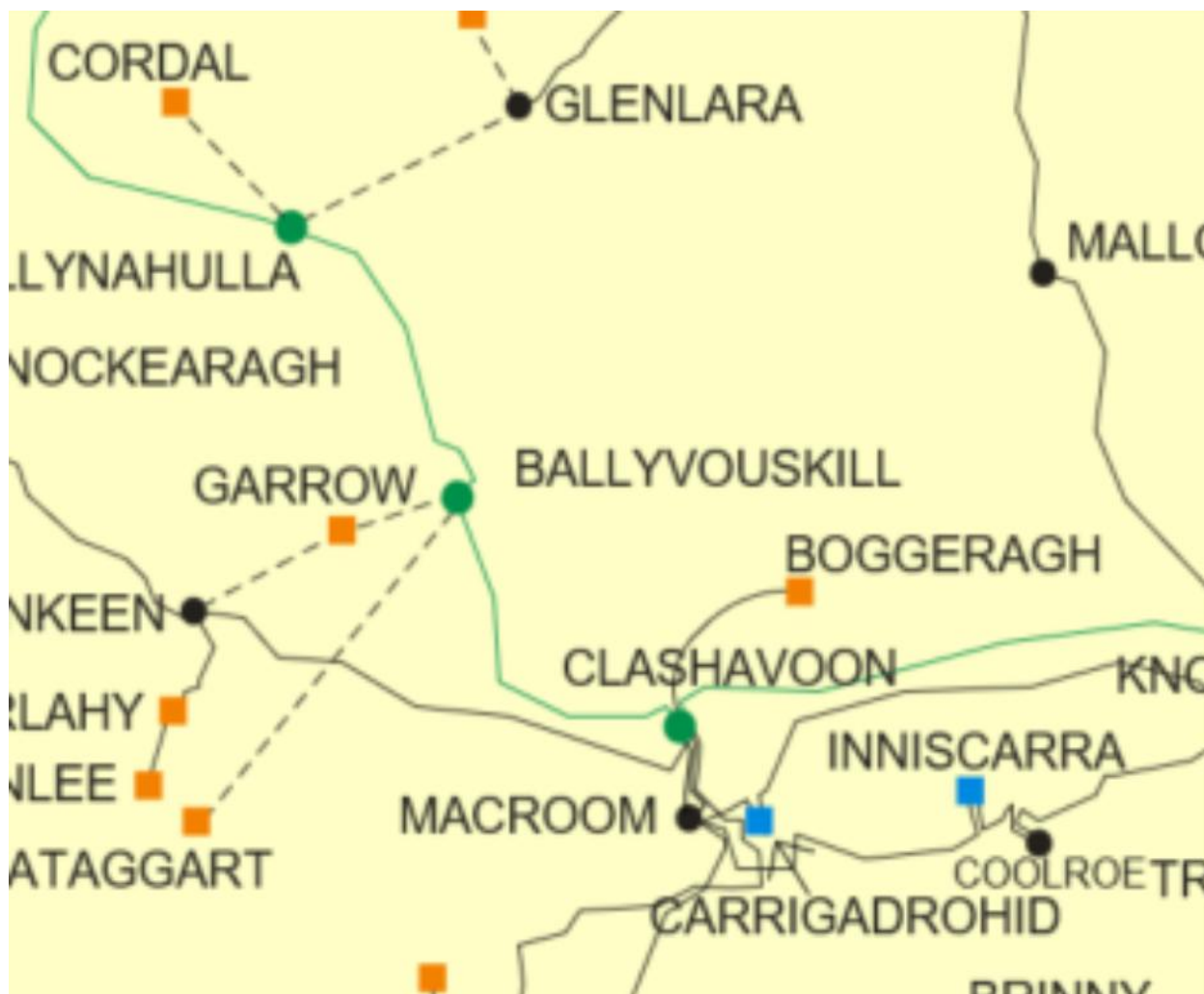


Figure 2-6 - Location of node Ballyvouskil 220

Generator	SO	Capacity	Type	Status
Knocknamork solar	TSO	12.5	solar not priority	due to connected
Knocknamork wind	TSO	42.0	wind not priority	due to connected

Table 2-9- Generation Included in Study for Node Ballyvouskil 220

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

Area E	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	12					
Installed Capacity (MW)	2030		6	12	12	12			
Installed Capacity (MW)	FG						12	12	12
Available Energy (GWh)	2028		7	15					
Available Energy (GWh)	2030		7	15	15	15			
Available Energy (GWh)	FG						15	15	15
Generation (GWh)	2028		6	10					
Generation (GWh)	2030		6	10	9	10			
Generation (GWh)	FG						11	10	12
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-10 - Surplus, Curtailement and Constraint for Solar non-priority for Node Ballyvouskil 220

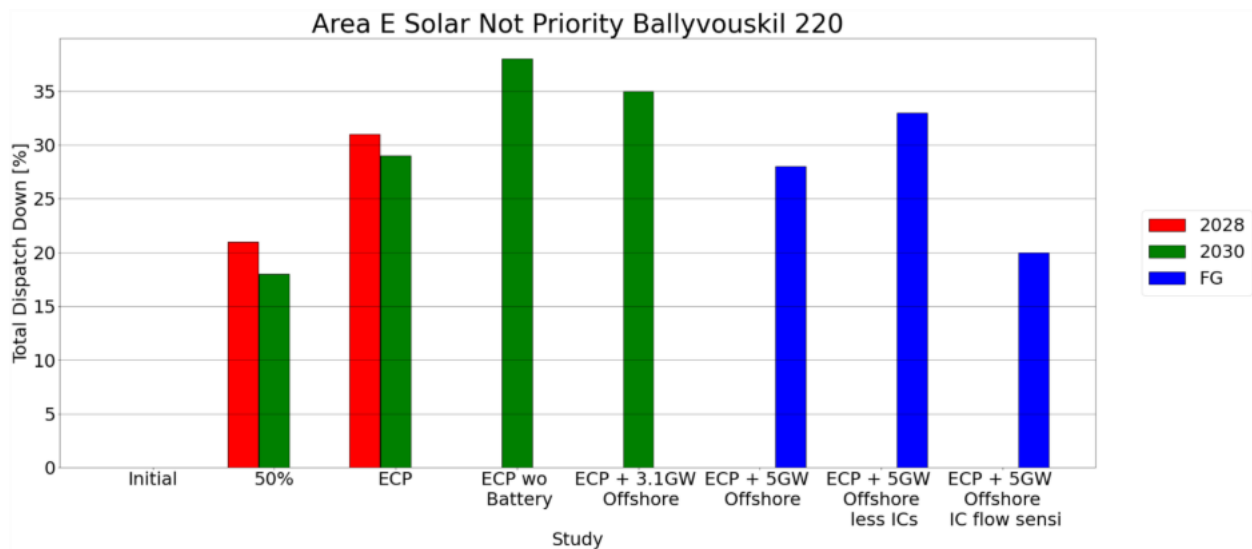


Figure 2-7- Total Dispatch Down for Solar not priority for Node Ballyvouskil 220

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	12	
Installed Capacity (MW)	2030	12	12
Available Energy (GWh)	2028	15	
Available Energy (GWh)	2030	15	15
Generation (GWh)	2028	10	
Generation (GWh)	2030	10	10
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-11- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Ballyvouskil 220

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

Area E	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		21	42					
Installed Capacity (MW)	2030		21	42	42	42			
Installed Capacity (MW)	FG						42	42	42
Available Energy (GWh)	2028		68	137					
Available Energy (GWh)	2030		68	136	136	136			
Available Energy (GWh)	FG						136	136	136
Generation (GWh)	2028		34	71					
Generation (GWh)	2030		43	78	68	47			
Generation (GWh)	FG						71	68	97
Surplus (%)	2028		21 %	26 %					
Surplus (%)	2030		22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		25 %	18 %					
Constraint (%)	2030		12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028		51 %	48 %					
Total Dispatch Down (%)	2030		37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-12 - Surplus, Curtailement and Constraint for Wind non-priority for Node Ballyvouskil 220

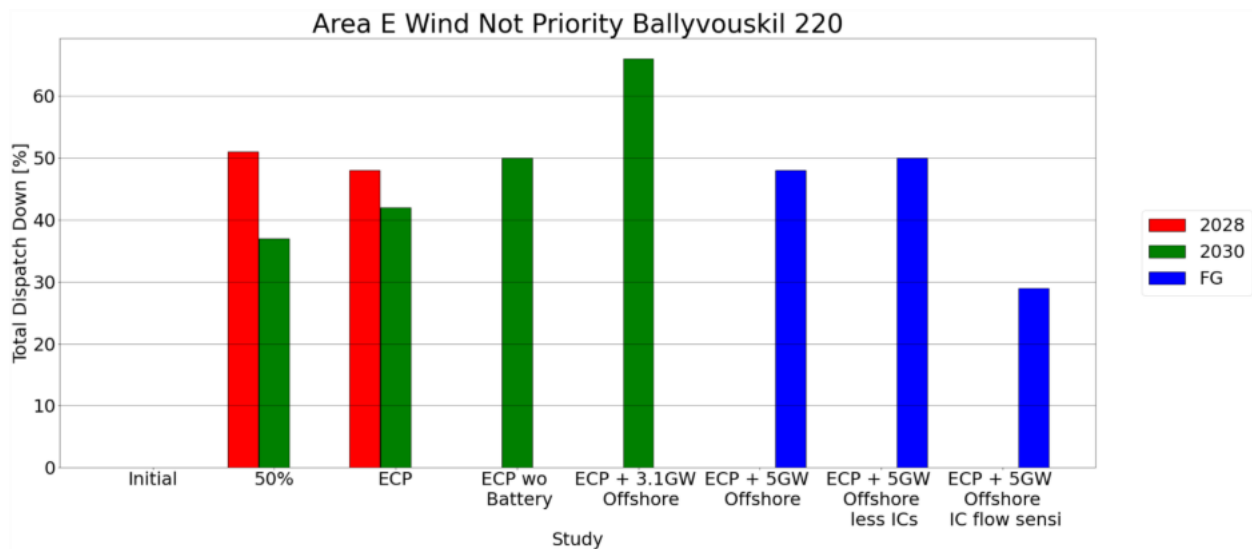


Figure 2-8 - Total Dispatch Down for Wind not priority for Node Ballyvouskil 220

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	42	
Installed Capacity (MW)	2030	42	42
Available Energy (GWh)	2028	137	
Available Energy (GWh)	2030	136	136
Generation (GWh)	2028	86	
Generation (GWh)	2030	88	66
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-13 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Ballyvouskil 220

2.4 Boggeragh



Figure 2-9- Location of node Boggeragh

Generator	SO	Capacity	Type	Status
Carriggannon (1)	DSO	20.0	wind priority	connected
Boggeragh (1)	TSO	57.0	wind priority	connected
Esk (1)	DSO	5.95	wind not priority	connected
Boggeragh 2	TSO	65.7	wind priority	connected
Esk Wind Farm (sub metered Gneevies 2 Merge)	DSO	5.4	wind not priority	connected
ESK Wind Farm Phase 2	DSO	12.0	wind not priority	connected
Carrigraigue Solar Extension	TSO	11.5	solar not priority	due to connected
Esk (3)	DSO	12.7	solar not priority	due to connected

Table 2-14- Generation Included in Study for Node Boggeragh

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

Area E	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		12	24					
Installed Capacity (MW)	2030		12	24	24	24			
Installed Capacity (MW)	FG						24	24	24
Available Energy (GWh)	2028		14	28					
Available Energy (GWh)	2030		14	28	28	28			
Available Energy (GWh)	FG						28	28	28
Generation (GWh)	2028		11	20					
Generation (GWh)	2030		12	20	17	19			
Generation (GWh)	FG						20	19	23
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-15 - Surplus, Curtailment and Constraint for Solar non-priority for Node Boggeragh

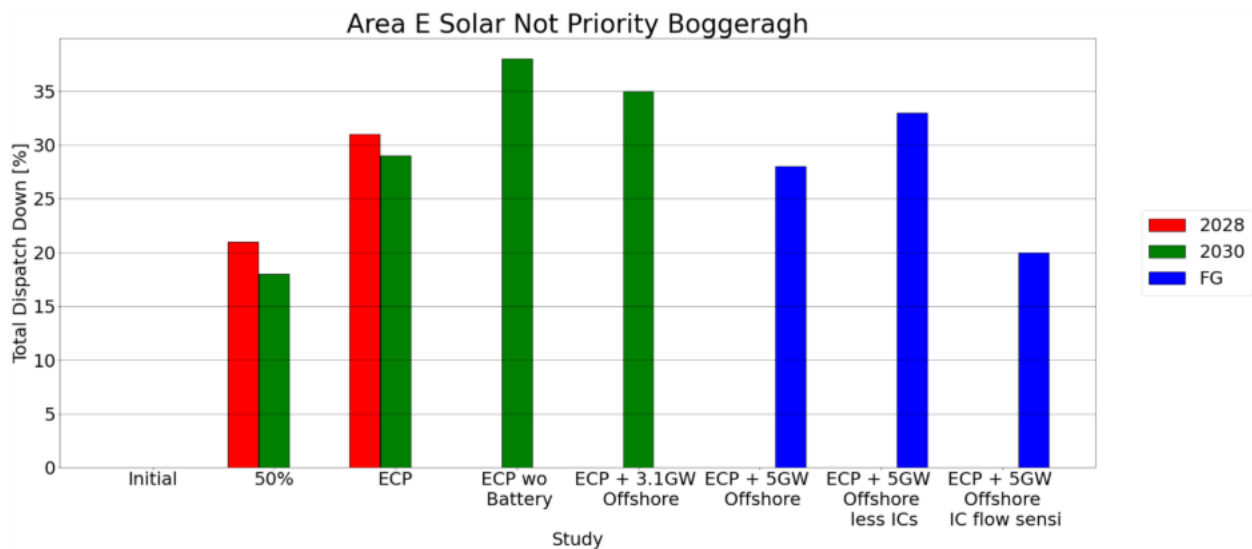


Figure 2-10 - Total Dispatch Down for Solar not priority for Node Boggeragh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	24	
Installed Capacity (MW)	2030	24	24
Available Energy (GWh)	2028	28	
Available Energy (GWh)	2030	28	28
Generation (GWh)	2028	20	
Generation (GWh)	2030	20	19
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-16 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Boggeragh

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

Area E	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	23	23	23					
Installed Capacity (MW)	2030	23	23	23	23	23			
Installed Capacity (MW)	FG						23	23	23
Available Energy (GWh)	2028	76	76	76					
Available Energy (GWh)	2030	76	76	76	76	76			
Available Energy (GWh)	FG						76	76	76
Generation (GWh)	2028	19	38	39					
Generation (GWh)	2030	48	47	44	38	26			
Generation (GWh)	FG						39	38	54
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-17 - Surplus, Curtailment and Constraint for Wind non-priority for Node Boggeragh

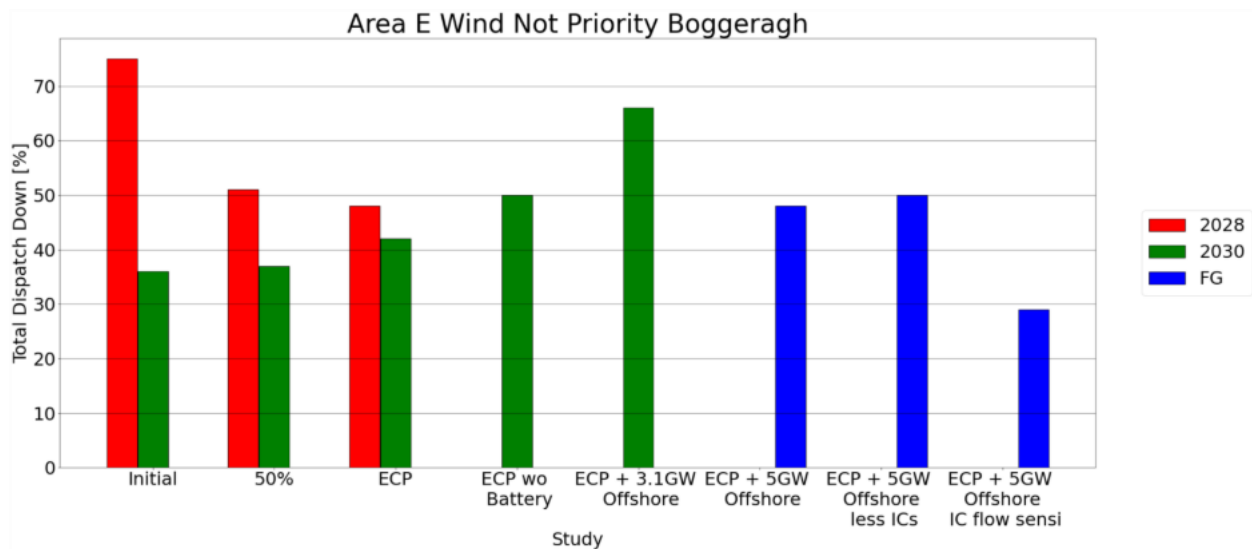


Figure 2-11- Total Dispatch Down for Wind not priority for Node Boggeragh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	23	
Installed Capacity (MW)	2030	23	23
Available Energy (GWh)	2028	76	
Available Energy (GWh)	2030	76	76
Generation (GWh)	2028	48	
Generation (GWh)	2030	49	37
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-18 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Boggeragh

The wind priority data is given in the following table.

Area E	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	143	143	143					
Installed Capacity (MW)	2030	143	143	143	143	143			
Installed Capacity (MW)	FG						143	143	143
Available Energy (GWh)	2028	465	465	465					
Available Energy (GWh)	2030	462	462	462	462	462			
Available Energy (GWh)	FG						462	462	462
Generation (GWh)	2028	420	423	421					
Generation (GWh)	2030	432	436	435	424	430			
Generation (GWh)	FG						436	437	449
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-19 - Surplus, Curtailment and Constraint for Wind priority for Node Boggeragh

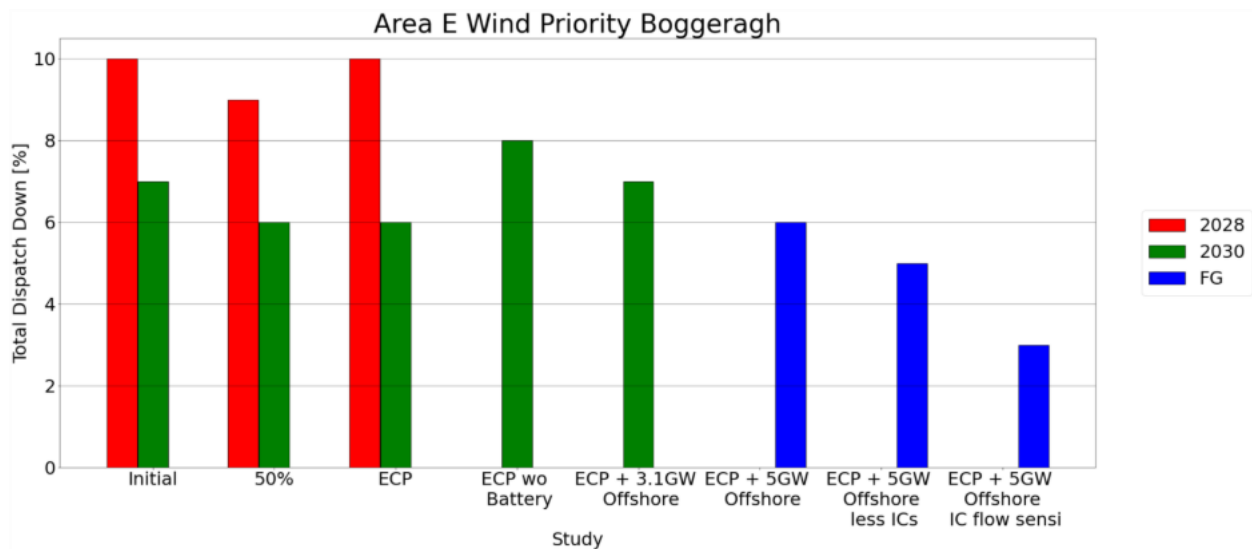


Figure 2-12- Total Dispatch Down for Wind priority for Node Boggeragh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	143	
Installed Capacity (MW)	2030	143	143
Available Energy (GWh)	2028	465	
Available Energy (GWh)	2030	462	462
Generation (GWh)	2028	391	
Generation (GWh)	2030	416	392
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

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

2.5 Charleville



Figure 2-13- Location of node Charleville

Generator	SO	Capacity	Type	Status
Boolard Wind Farm (Charleville)	DSO	4.45	wind uncontrolled	connected
Rathnacally (1)	DSO	4.45	wind uncontrolled	connected
Castlepook (1)	DSO	33.1	wind priority	connected
Knocknatallig	DSO	18.3	wind priority	connected
Kilbrehert (1)	DSO	4.799	wind uncontrolled	connected
Kilmeedy (1)	DSO	4.7	wind uncontrolled	connected
Ballyroe Solar	TSO	120.0	solar not priority	due to connected
Ballyroe Solar Extension	TSO	45.0	solar not priority	due to connected

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

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

Area E	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		82	165					
Installed Capacity (MW)	2030		82	165	165	165			
Installed Capacity (MW)	FG						165	165	165
Available Energy (GWh)	2028		97	193					
Available Energy (GWh)	2030		97	193	193	193			
Available Energy (GWh)	FG						193	193	193
Generation (GWh)	2028		77	134					
Generation (GWh)	2030		79	137	119	126			
Generation (GWh)	FG						140	130	154
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-22 - Surplus, Curtailment and Constraint for Solar non-priority for Node Charleville

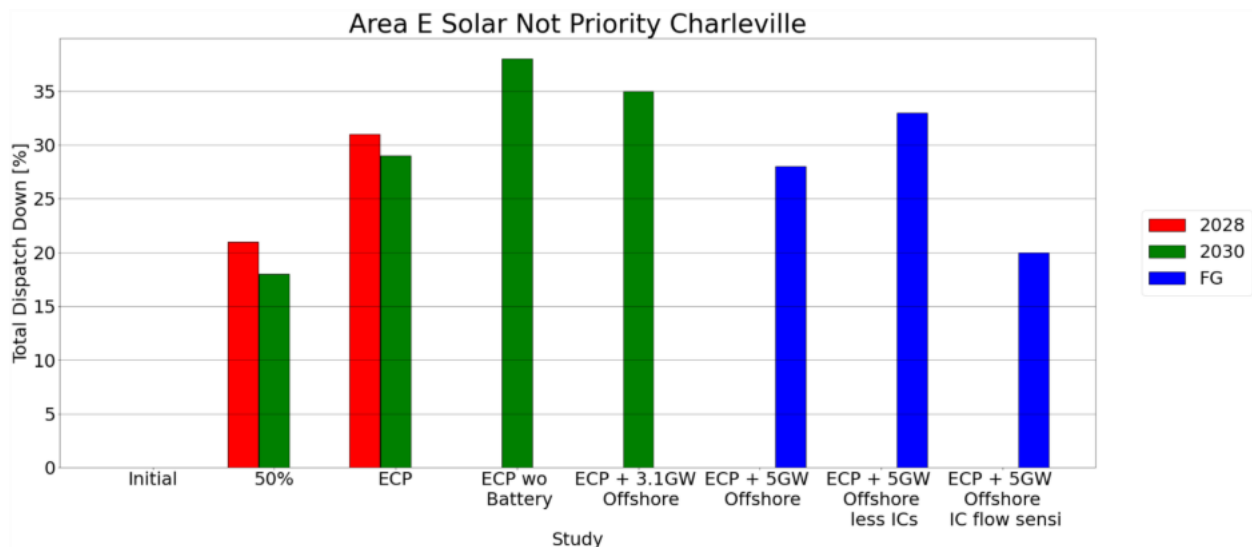


Figure 2-14 - Total Dispatch Down for Solar not priority for Node Charleville

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	165	
Installed Capacity (MW)	2030	165	165
Available Energy (GWh)	2028	193	
Available Energy (GWh)	2030	193	193
Generation (GWh)	2028	134	
Generation (GWh)	2030	137	126
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-23 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Charleville

The wind priority data is given in the following table.

Area E	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	51	51	51					
Installed Capacity (MW)	2030	51	51	51	51	51			
Installed Capacity (MW)	FG						51	51	51
Available Energy (GWh)	2028	167	167	167					
Available Energy (GWh)	2030	166	166	166	166	166			
Available Energy (GWh)	FG						166	166	166
Generation (GWh)	2028	151	152	152					
Generation (GWh)	2030	155	157	157	153	155			
Generation (GWh)	FG						157	157	162
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-24 - Surplus, Curtailment and Constraint for Wind priority for Node Charleville

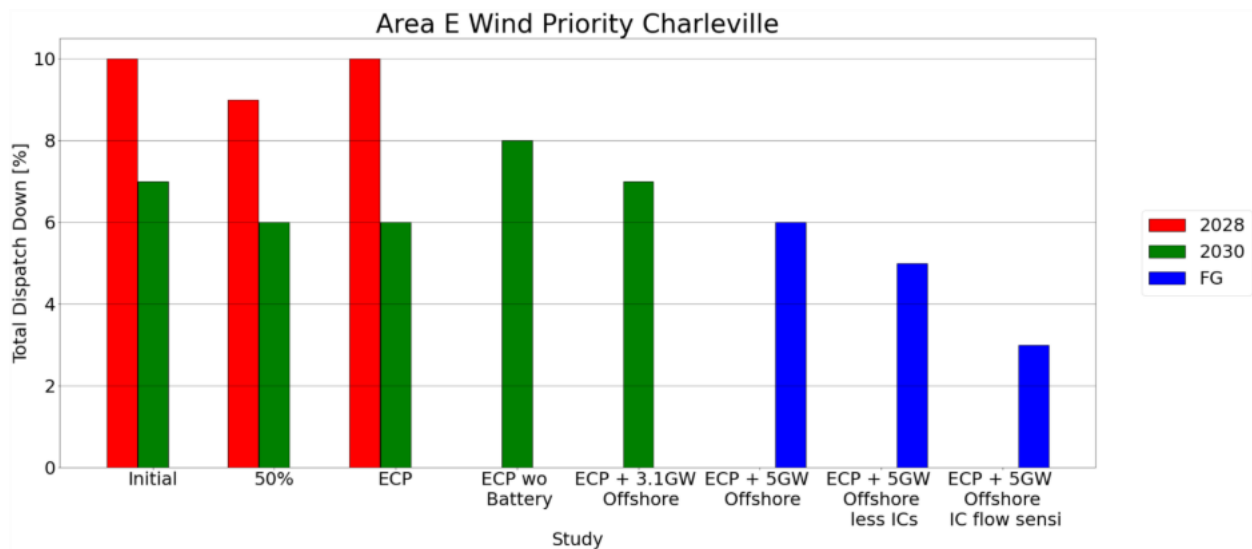


Figure 2-15- Total Dispatch Down for Wind priority for Node Charleville

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	51	
Installed Capacity (MW)	2030	51	51
Available Energy (GWh)	2028	167	
Available Energy (GWh)	2030	166	166
Generation (GWh)	2028	141	
Generation (GWh)	2030	150	141
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-25 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Charleville

2.6 Clahane

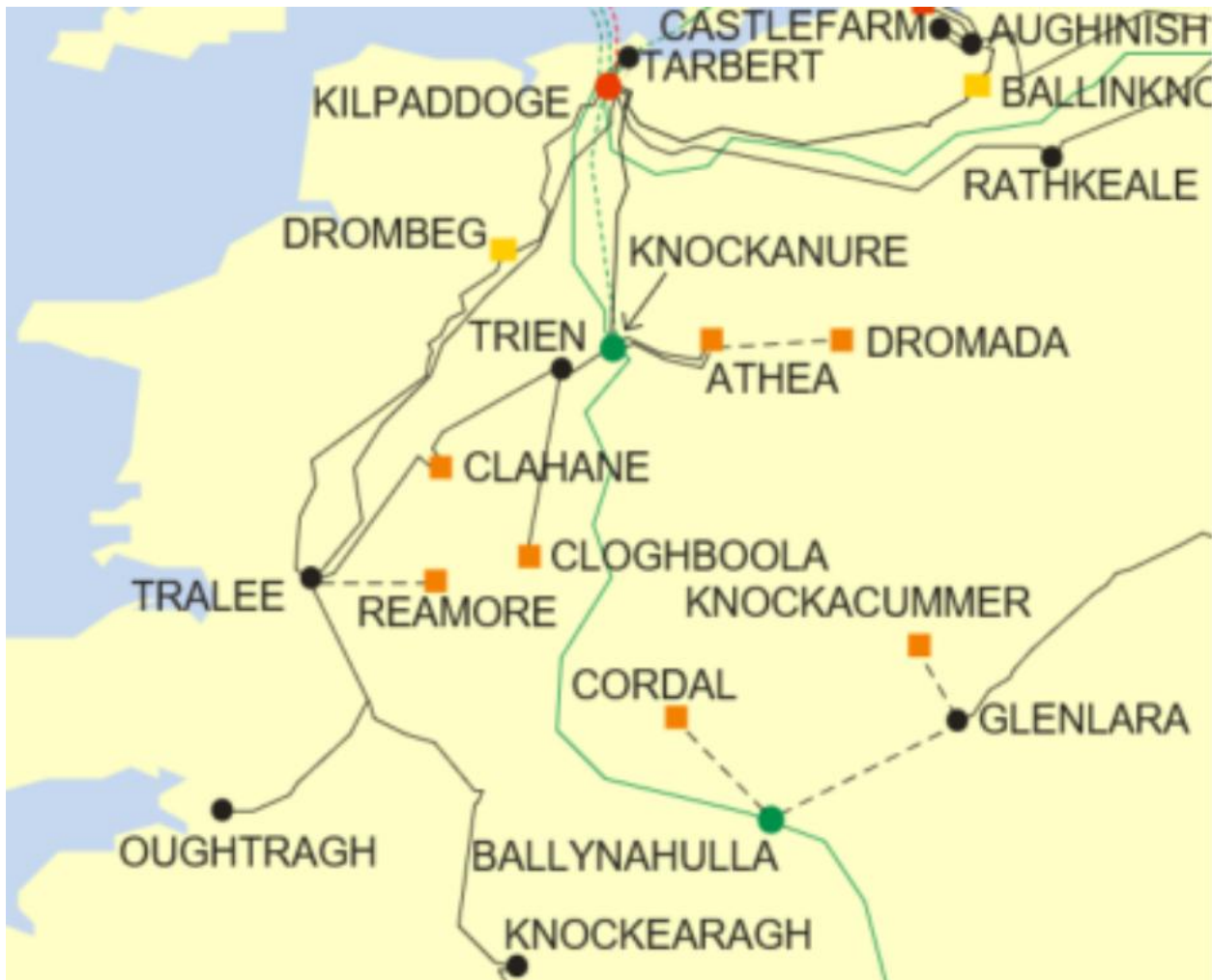


Figure 2-16- Location of node Clahane

Generator	SO	Capacity	Type	Status
Clahane (1)	TSO	37.8	wind priority	connected
Clahane (2)	TSO	13.8	wind priority	connected
Banemore Solar Farm	TSO	34.0	solar not priority	due to connected

Table 2-26- Generation Included in Study for Node Clahane

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

Area E	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	40	40	40					
Available Energy (GWh)	2030	40	40	40	40	40			
Available Energy (GWh)	FG						40	40	40
Generation (GWh)	2028	26	32	28					
Generation (GWh)	2030	34	33	28	25	26			
Generation (GWh)	FG						29	27	32
Surplus (%)	2028	8 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailment (%)	2028	4 %	4 %	6 %					
Curtailment (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailment (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	22 %	4 %	2 %					
Constraint (%)	2030	5 %	1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028	34 %	21 %	31 %					
Total Dispatch Down (%)	2030	16 %	18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-27- Surplus, Curtailment and Constraint for Solar non-priority for Node Clahane

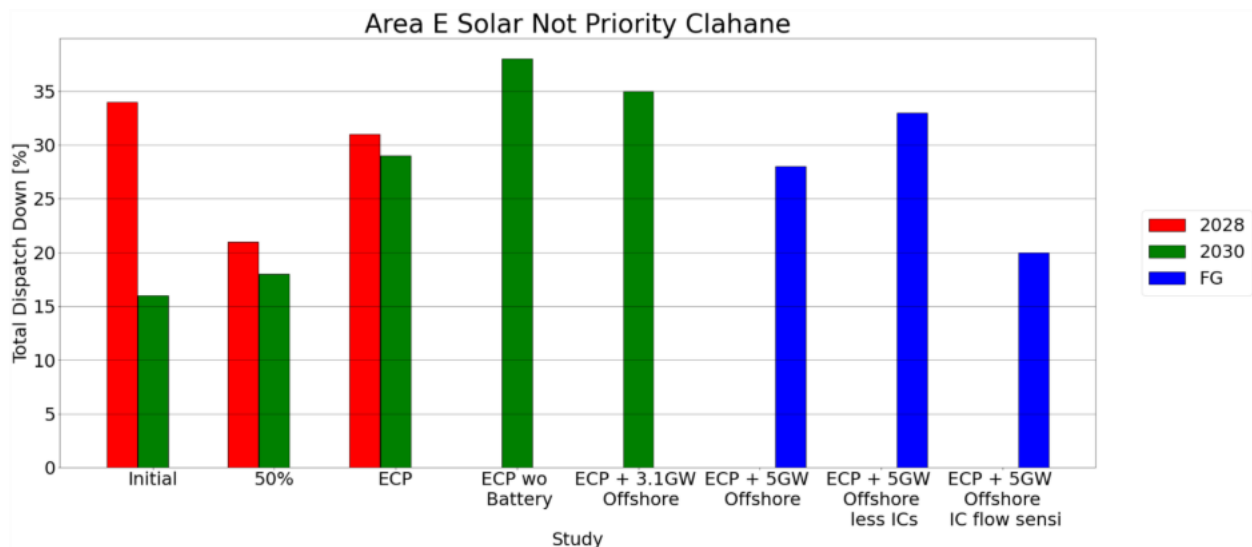


Figure 2-17- Total Dispatch Down for Solar not priority for Node Clahane

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	34	
Installed Capacity (MW)	2030	34	34
Available Energy (GWh)	2028	40	
Available Energy (GWh)	2030	40	40
Generation (GWh)	2028	28	
Generation (GWh)	2030	28	26
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-28- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Clahane

The wind priority data is given in the following table.

Area E	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	52	52	52					
Installed Capacity (MW)	2030	52	52	52	52	52			
Installed Capacity (MW)	FG						52	52	52
Available Energy (GWh)	2028	168	168	168					
Available Energy (GWh)	2030	167	167	167	167	167			
Available Energy (GWh)	FG						167	167	167
Generation (GWh)	2028	152	153	152					
Generation (GWh)	2030	156	158	157	153	155			
Generation (GWh)	FG						158	158	162
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-29 - Surplus, Curtailment and Constraint for Wind priority for Node Clahane

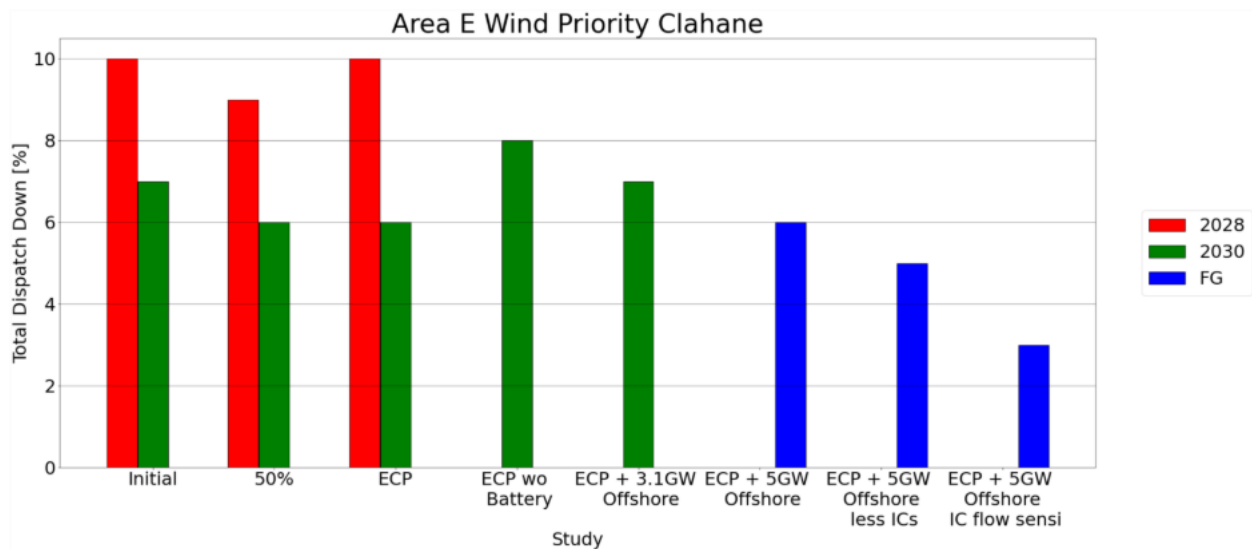


Figure 2-18 - Total Dispatch Down for Wind priority for Node Clahane

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	52	
Installed Capacity (MW)	2030	52	52
Available Energy (GWh)	2028	168	
Available Energy (GWh)	2030	167	167
Generation (GWh)	2028	141	
Generation (GWh)	2030	150	142
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-30 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Clahane

2.7 Clashavoon



Figure 2-19- Location of node Clashavoon

Generator	SO	Capacity	Type	Status
Ballinagree	TSO	112.0	wind not priority	due to connected

Table 2-31 - Generation Included in Study for Node Clashavoon

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

Area E	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		56	112					
Installed Capacity (MW)	2030		56	112	112	112			
Installed Capacity (MW)	FG						112	112	112
Available Energy (GWh)	2028		182	365					
Available Energy (GWh)	2030		181	363	363	363			
Available Energy (GWh)	FG						363	363	363
Generation (GWh)	2028		90	188					
Generation (GWh)	2030		114	209	180	124			
Generation (GWh)	FG						189	182	258
Surplus (%)	2028		21 %	26 %					
Surplus (%)	2030		22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailment (%)	2028		5 %	5 %					
Curtailment (%)	2030		3 %	3 %	4 %	3 %			
Curtailment (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		25 %	18 %					
Constraint (%)	2030		12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028		51 %	48 %					
Total Dispatch Down (%)	2030		37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-32- Surplus, Curtailment and Constraint for Wind non-priority for Node Clashavoon

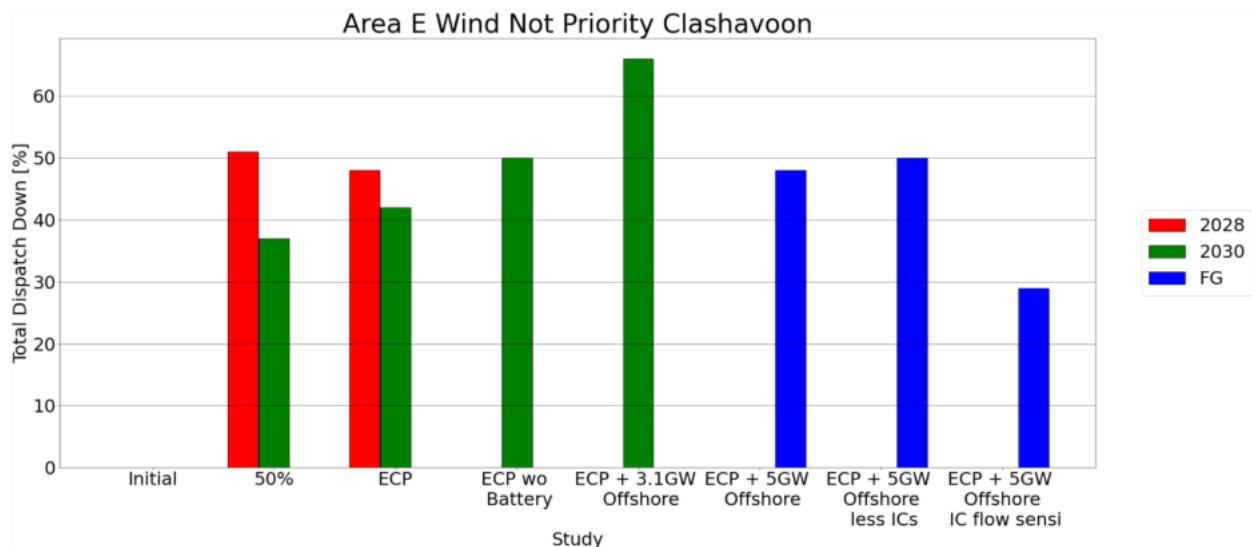


Figure 2-20- Total Dispatch Down for Wind not priority for Node Clashavoon

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	112	
Installed Capacity (MW)	2030	112	112
Available Energy (GWh)	2028	365	
Available Energy (GWh)	2030	363	363
Generation (GWh)	2028	229	
Generation (GWh)	2030	235	176
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-33 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Clashavoon

2.8 Cloghboola

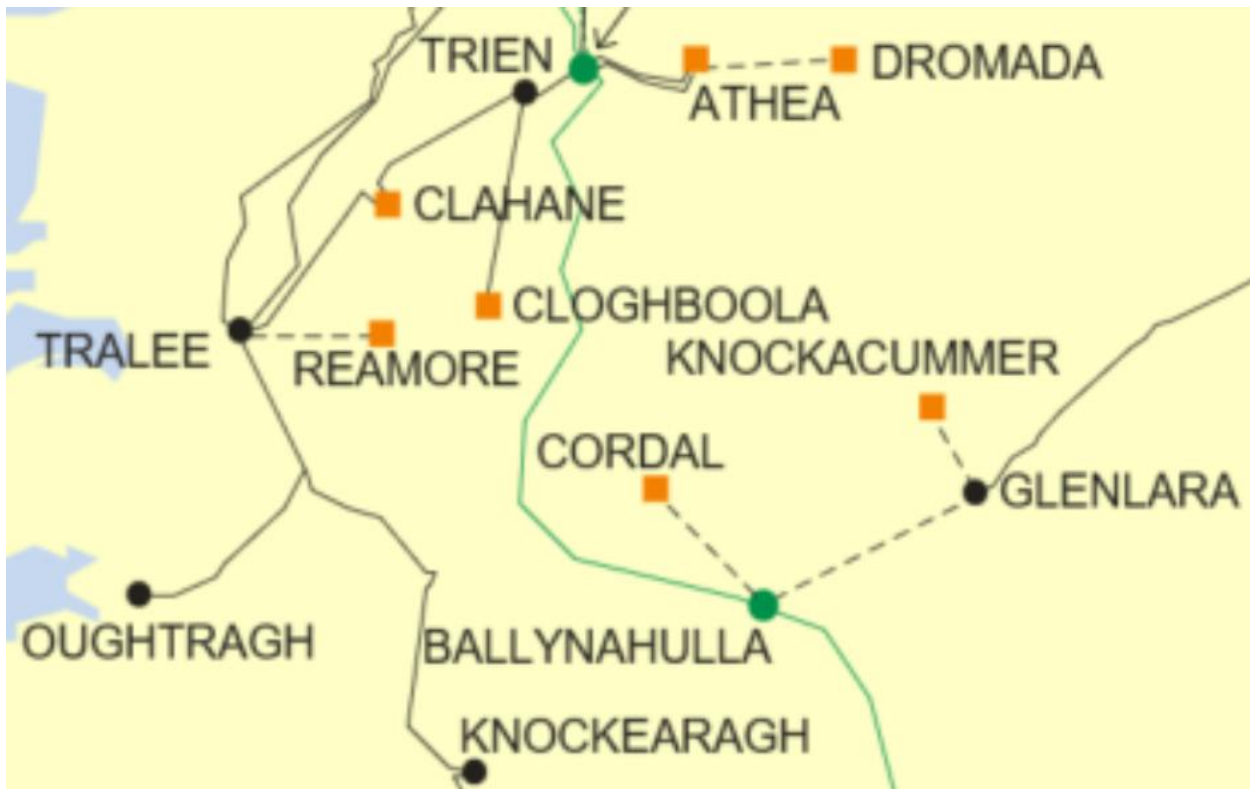


Figure 2-21- Location of node Cloghboola

Generator	SO	Capacity	Type	Status
Knocknagashel Wind (Cloghboola (1))	TSO	46.0	wind priority	connected
Cloghanaleskirt (1)	DSO	12.55	wind priority	connected
Glanaruddery 1 (formerly Dromadda More Wind Farm)	DSO	20.0	wind priority	connected
Glantaunyalkeen Windfarm(Cloghboola (2) Ext)	DSO	9.999	wind priority	connected
Glanaruddery 2 (formerly Dromadda More 2)	DSO	12.0	wind priority	connected

Table 2-34 - Generation Included in Study for Node Cloghboola

The wind priority data is given in the following table.

Area E	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	101	101	101					
Installed Capacity (MW)	2030	101	101	101	101	101			
Installed Capacity (MW)	FG						101	101	101
Available Energy (GWh)	2028	328	328	328					
Available Energy (GWh)	2030	326	326	326	326	326			
Available Energy (GWh)	FG						326	326	326
Generation (GWh)	2028	296	298	296					
Generation (GWh)	2030	304	307	306	299	303			
Generation (GWh)	FG						307	308	316
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-35- Surplus, Curtailment and Constraint for Wind priority for Node Cloghboola

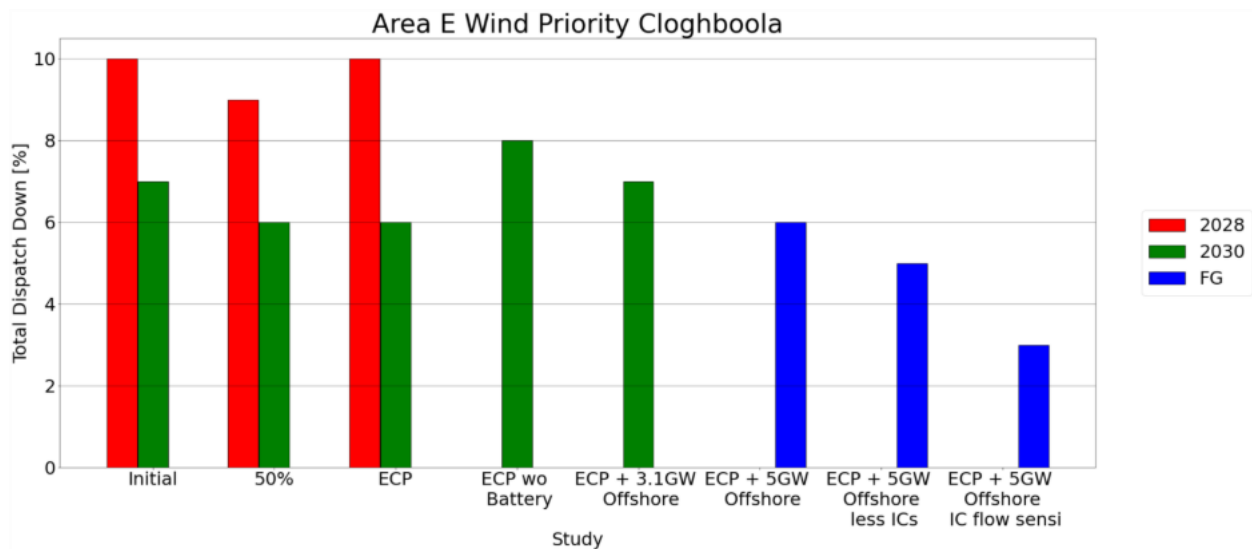


Figure 2-22- Total Dispatch Down for Wind priority for Node Cloghboola

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	101	
Installed Capacity (MW)	2030	101	101
Available Energy (GWh)	2028	328	
Available Energy (GWh)	2030	326	326
Generation (GWh)	2028	276	
Generation (GWh)	2030	293	276
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-36- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Cloghboola

2.9 Coomagearlahy



Figure 2-23 - Location of node Coomagearlahy

Generator	SO	Capacity	Type	Status
Coomagearlahy (1)	TSO	42.5	wind priority	connected
Coomagearlahy (3)	TSO	30.0	wind priority	connected
Coomagearlahy (2)	TSO	8.5	wind priority	connected
Coumaclovane Solar Extension	TSO	7.0	solar not priority	due to connected

Table 2-37 - Generation Included in Study for Node Coomagearlahy

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

Area E	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	7					
Installed Capacity (MW)	2030		4	7	7	7			
Installed Capacity (MW)	FG						7	7	7
Available Energy (GWh)	2028		4	8					
Available Energy (GWh)	2030		4	8	8	8			
Available Energy (GWh)	FG						8	8	8
Generation (GWh)	2028		3	6					
Generation (GWh)	2030		3	6	5	5			
Generation (GWh)	FG						6	5	7
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-38- Surplus, Curtailment and Constraint for Solar non-priority for Node Coomagearlaly

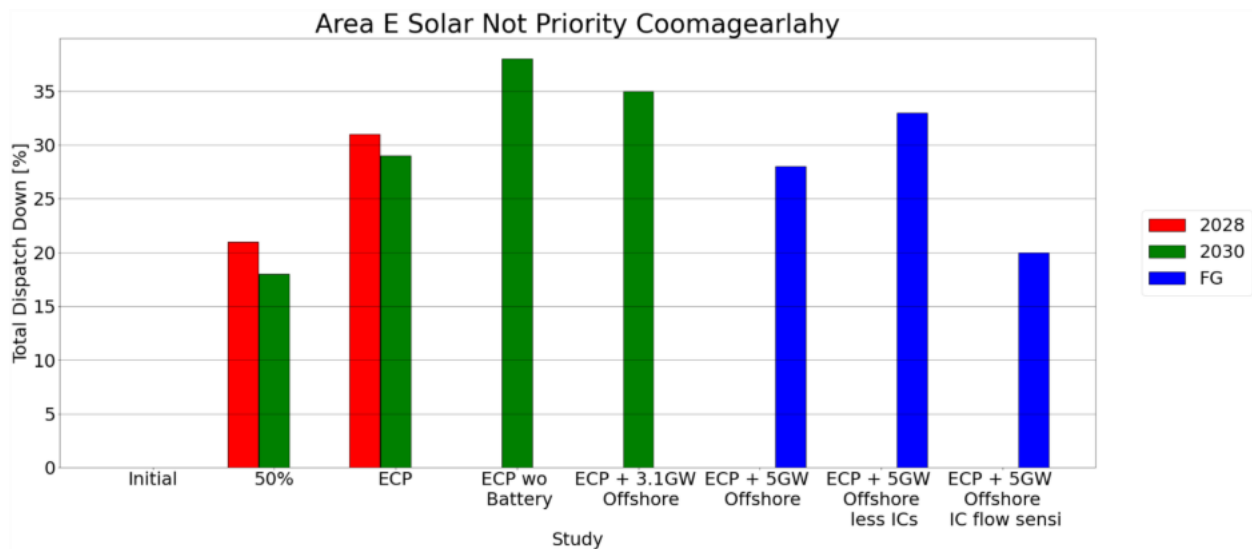


Figure 2-24 - Total Dispatch Down for Solar not priority for Node Coomagearlalhy

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	7	
Installed Capacity (MW)	2030	7	7
Available Energy (GWh)	2028	8	
Available Energy (GWh)	2030	8	8
Generation (GWh)	2028	6	
Generation (GWh)	2030	6	5
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-39 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Coomagearlalhy

The wind priority data is given in the following table.

Area E	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	81	81	81					
Installed Capacity (MW)	2030	81	81	81	81	81			
Installed Capacity (MW)	FG						81	81	81
Available Energy (GWh)	2028	264	264	264					
Available Energy (GWh)	2030	262	262	262	262	262			
Available Energy (GWh)	FG						262	262	262
Generation (GWh)	2028	238	240	239					
Generation (GWh)	2030	245	247	247	240	244			
Generation (GWh)	FG						248	248	255
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-40- Surplus, Curtailment and Constraint for Wind priority for Node Coomagearlaly

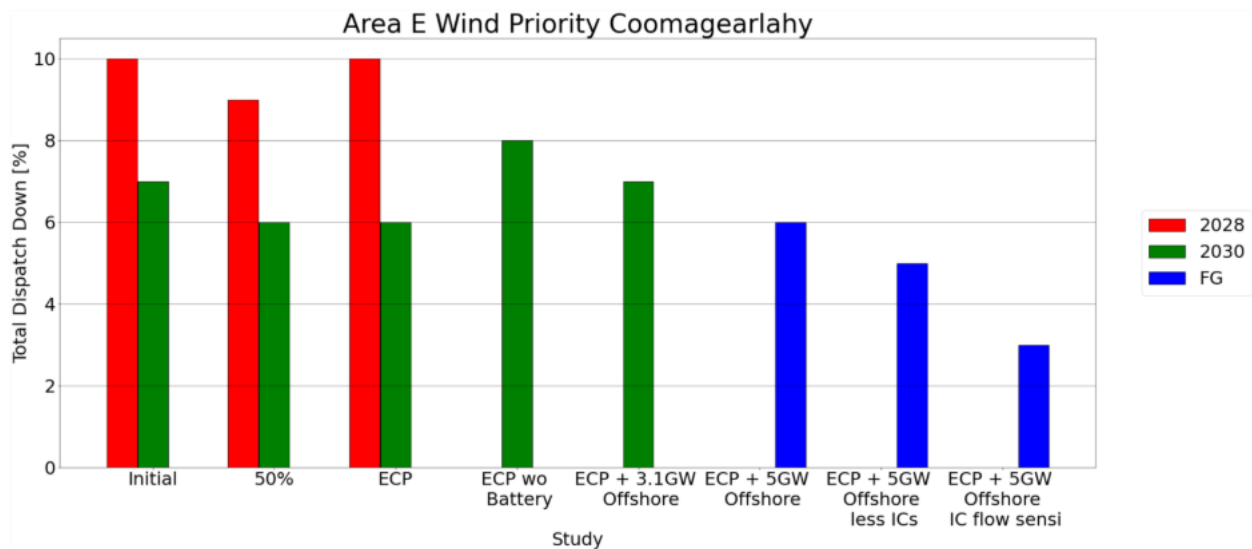


Figure 2-25 - Total Dispatch Down for Wind priority for Node Coomagearlalhy

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	81	
Installed Capacity (MW)	2030	81	81
Available Energy (GWh)	2028	264	
Available Energy (GWh)	2030	262	262
Generation (GWh)	2028	222	
Generation (GWh)	2030	236	222
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailment (%)	2028	10 %	
Curtailment (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-41 - Surplus, Curtailment and Constraint for Wind priority with sensitivity for Node Coomagearlalhy

2.10 Coomataggart



Figure 2-26- Location of node Coomataggart

Generator	SO	Capacity	Type	Status
Grousemount WF	TSO	114.2	wind not priority	connected
Cleanrath (1)	DSO	42.64	wind not priority	connected
Gortyrahilly	TSO	85.8	wind not priority	due to connected

Table 2-42 - Generation Included in Study for Node Coomataggart

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

Area E	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	157	200	243					
Installed Capacity (MW)	2030	157	200	243	243	243			
Installed Capacity (MW)	FG						243	243	243
Available Energy (GWh)	2028	511	651	791					
Available Energy (GWh)	2030	508	647	786	786	786			
Available Energy (GWh)	FG						786	786	786
Generation (GWh)	2028	127	322	408					
Generation (GWh)	2030	325	405	452	390	269			
Generation (GWh)	FG						409	395	559
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailment (%)	2028	6 %	5 %	5 %					
Curtailment (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailment (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-43- Surplus, Curtailment and Constraint for Wind non-priority for Node Coomatagart

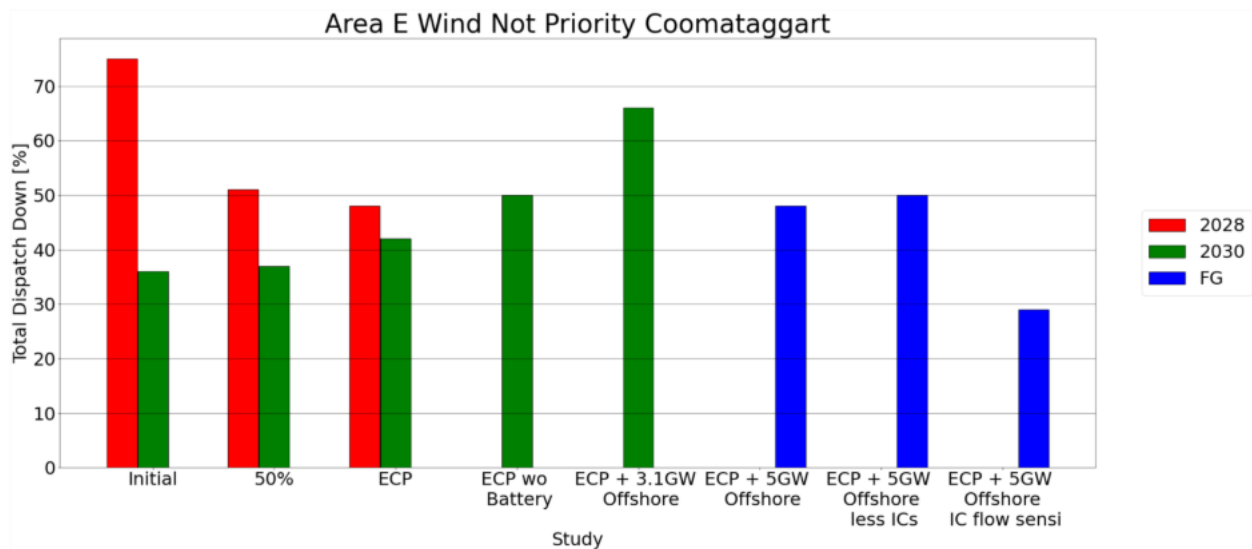


Figure 2-27- Total Dispatch Down for Wind not priority for Node Coomataggart

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	243	
Installed Capacity (MW)	2030	243	243
Available Energy (GWh)	2028	791	
Available Energy (GWh)	2030	786	786
Generation (GWh)	2028	497	
Generation (GWh)	2030	510	382
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

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

2.11 Cordal

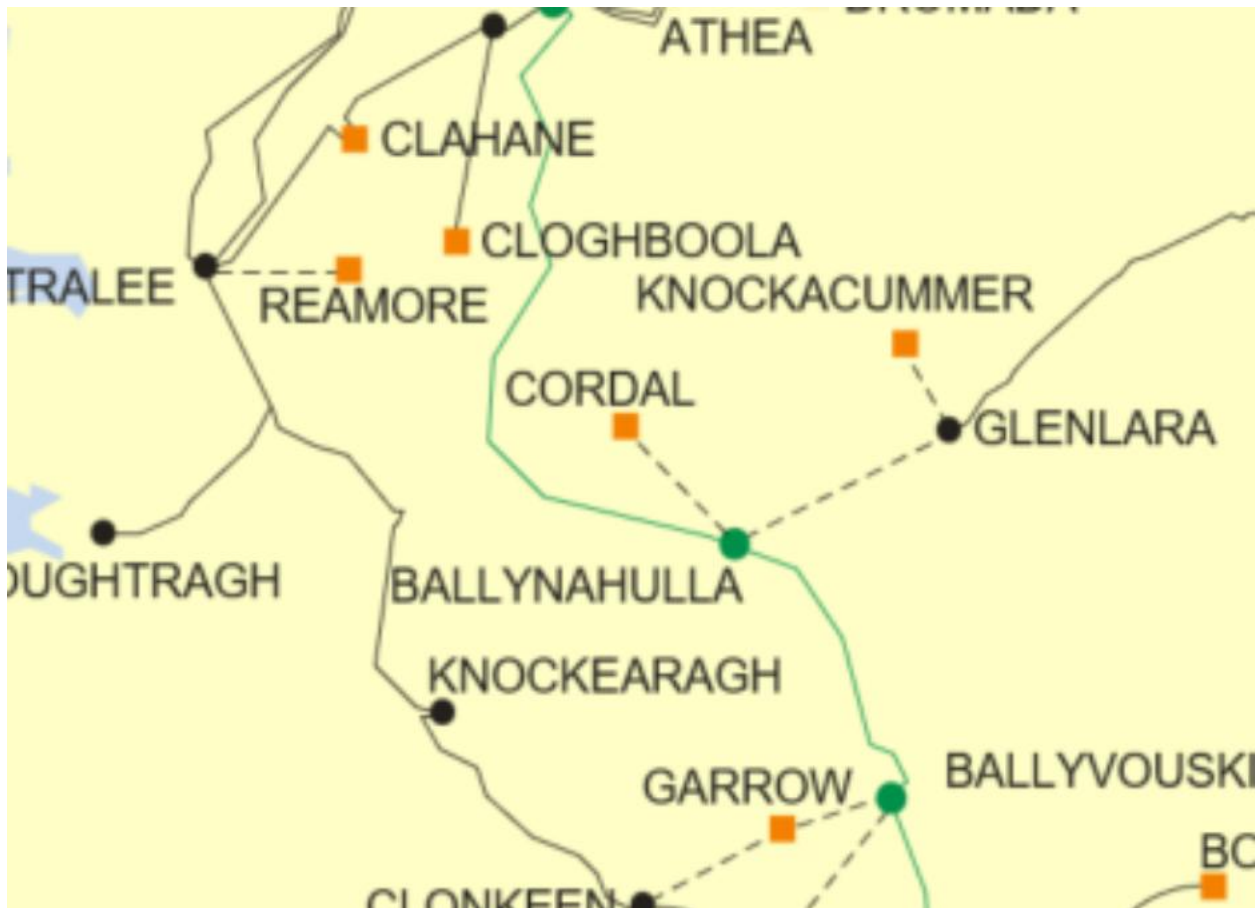


Figure 2-28- Location of node Cordal

Generator	SO	Capacity	Type	Status
Coollegrean (1)	DSO	18.5	wind priority	connected
Scartaglen (1)	DSO	35.45	wind priority	connected
Scartaglen (2)	DSO	3.8	wind priority	connected
Cordal (1+2)	TSO	89.85	wind priority	connected

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

The wind priority data is given in the following table.

Area E	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	148	148	148					
Installed Capacity (MW)	2030	148	148	148	148	148			
Installed Capacity (MW)	FG						148	148	148
Available Energy (GWh)	2028	481	481	481					
Available Energy (GWh)	2030	478	478	478	478	478			
Available Energy (GWh)	FG						478	478	478
Generation (GWh)	2028	434	438	435					
Generation (GWh)	2030	446	451	450	438	444			
Generation (GWh)	FG						451	452	464
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-46 - Surplus, Curtailment and Constraint for Wind priority for Node Cordal

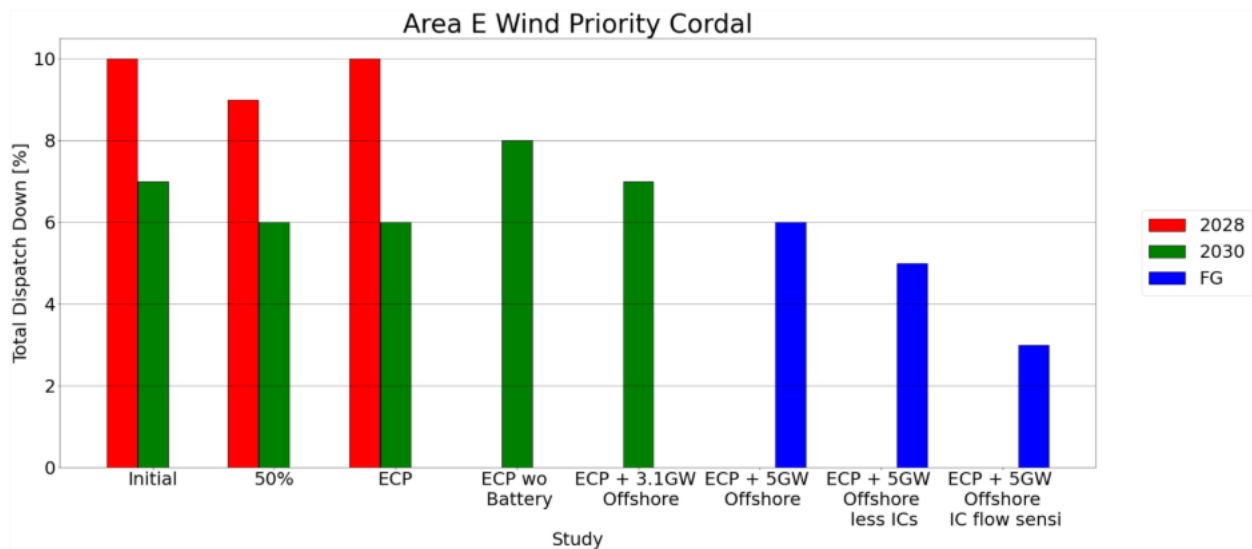


Figure 2-29 - Total Dispatch Down for Wind priority for Node Cordal

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	148	
Installed Capacity (MW)	2030	148	148
Available Energy (GWh)	2028	481	
Available Energy (GWh)	2030	478	478
Generation (GWh)	2028	404	
Generation (GWh)	2030	430	405
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-47 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Cordal

2.12 Dromada



Figure 2-30 - Location of node Dromada

Generator	SO	Capacity	Type	Status
Dromada (1)	TSO	28.5	wind priority	connected

Table 2-48 - Generation Included in Study for Node Dromada

The wind priority data is given in the following table.

Area E	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	28	28	28					
Installed Capacity (MW)	2030	28	28	28	28	28			
Installed Capacity (MW)	FG						28	28	28
Available Energy (GWh)	2028	93	93	93					
Available Energy (GWh)	2030	92	92	92	92	92			
Available Energy (GWh)	FG						92	92	92
Generation (GWh)	2028	84	85	84					
Generation (GWh)	2030	86	87	87	85	86			
Generation (GWh)	FG						87	87	90
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-49 - Surplus, Curtailment and Constraint for Wind priority for Node Dromada

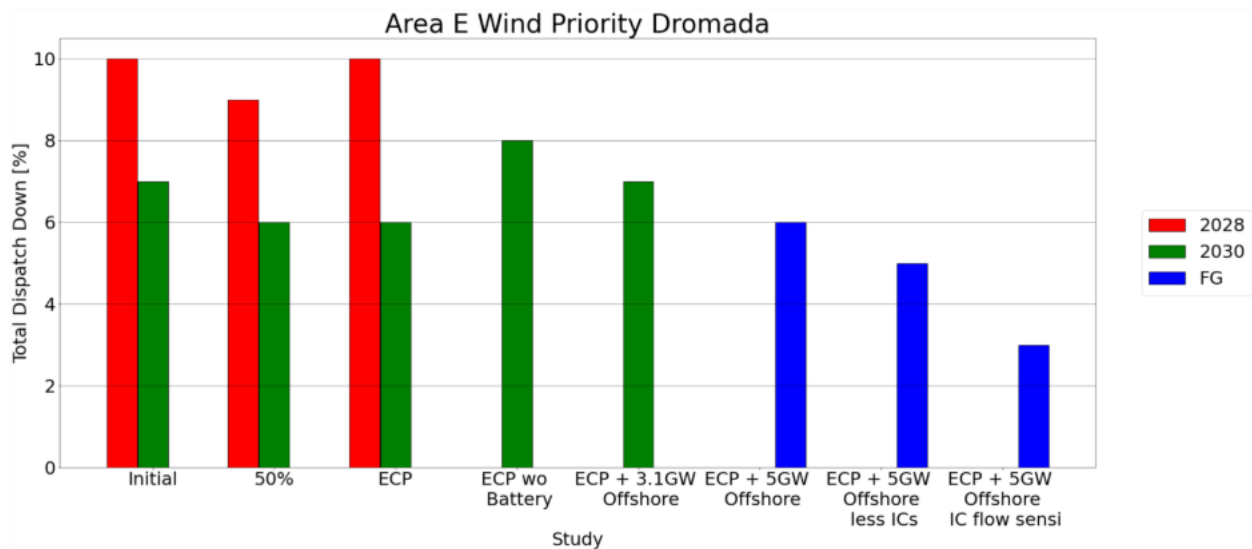


Figure 2-31 - Total Dispatch Down for Wind priority for Node Dromada

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	28	
Installed Capacity (MW)	2030	28	28
Available Energy (GWh)	2028	93	
Available Energy (GWh)	2030	92	92
Generation (GWh)	2028	78	
Generation (GWh)	2030	83	78
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-50 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Dromada

2.13 Drombeg

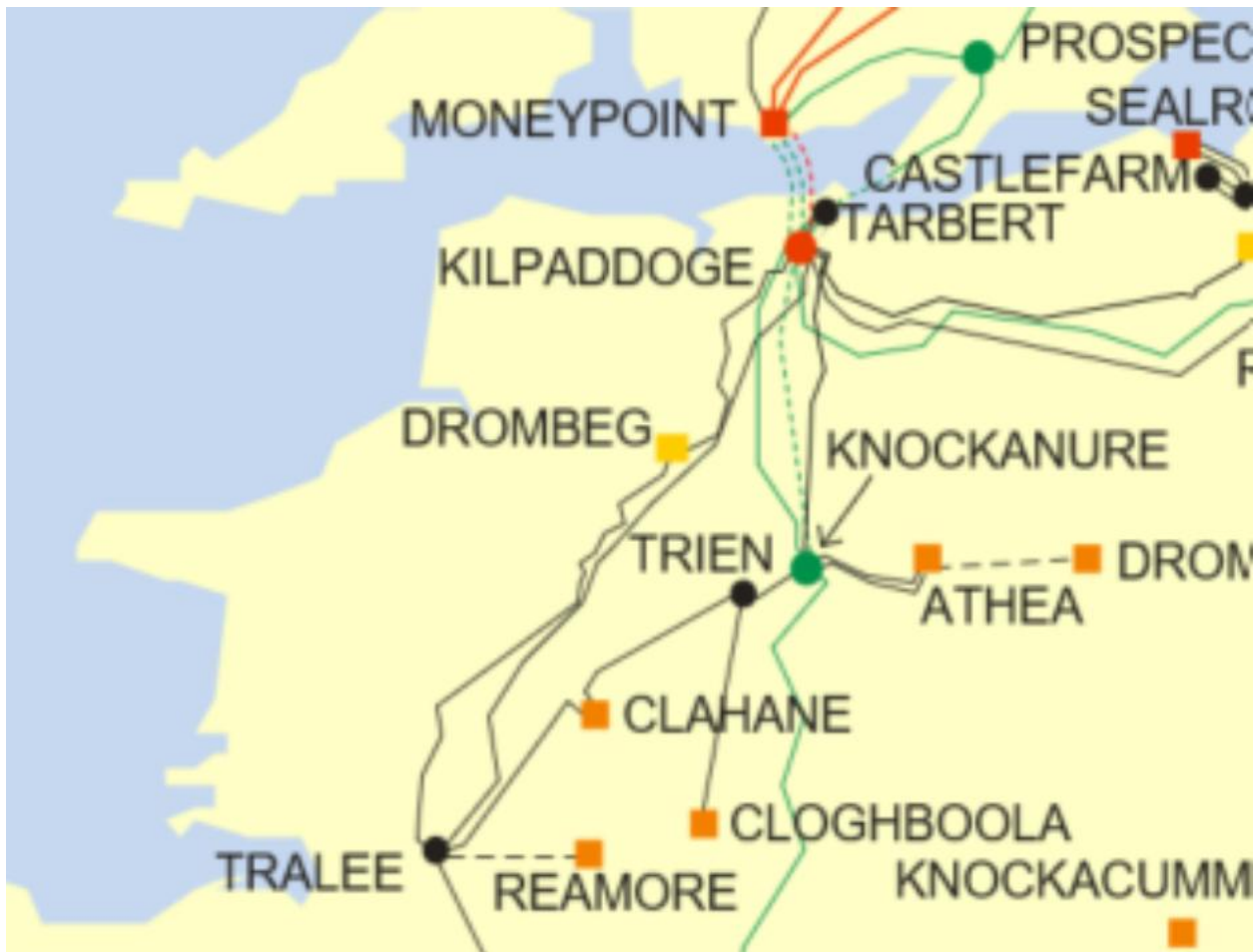


Figure 2-32 - Location of node Drombeg

Generator	SO	Capacity	Type	Status
Drombeg Solar Park	TSO	50.0	solar not priority	due to connected
Ballylongford Windfarm	DSO	25.2	wind not priority	due to connected
Drombeg Solar Park Phase II (Ballydonohoe)	TSO	44.0	solar not priority	due to connected

Table 2-51- Generation Included in Study for Node Drombeg

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

Area E	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	50	72	94					
Installed Capacity (MW)	2030	50	72	94	94	94			
Installed Capacity (MW)	FG						94	94	94
Available Energy (GWh)	2028	59	84	110					
Available Energy (GWh)	2030	59	84	110	110	110			
Available Energy (GWh)	FG						110	110	110
Generation (GWh)	2028	39	67	76					
Generation (GWh)	2030	49	69	78	68	72			
Generation (GWh)	FG						79	74	88
Surplus (%)	2028	8 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	22 %	4 %	2 %					
Constraint (%)	2030	5 %	1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028	34 %	21 %	31 %					
Total Dispatch Down (%)	2030	16 %	18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-52 - Surplus, Curtailement and Constraint for Solar non-priority for Node Drombeg

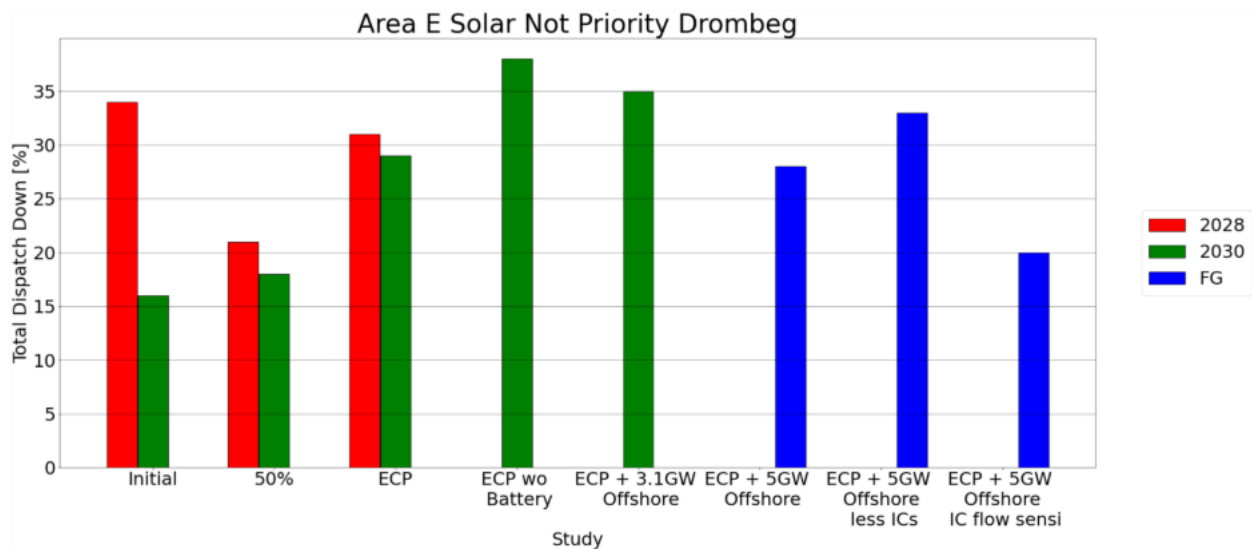


Figure 2-33 - Total Dispatch Down for Solar not priority for Node Drombeg

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	94	
Installed Capacity (MW)	2030	94	94
Available Energy (GWh)	2028	110	
Available Energy (GWh)	2030	110	110
Generation (GWh)	2028	76	
Generation (GWh)	2030	78	72
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-53 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Drombeg

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

Area E	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	25	25	25					
Installed Capacity (MW)	2030	25	25	25	25	25			
Installed Capacity (MW)	FG						25	25	25
Available Energy (GWh)	2028	82	82	82					
Available Energy (GWh)	2030	82	82	82	82	82			
Available Energy (GWh)	FG						82	82	82
Generation (GWh)	2028	20	41	42					
Generation (GWh)	2030	52	51	47	41	28			
Generation (GWh)	FG						42	41	58
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-54 - Surplus, Curtailement and Constraint for Wind non-priority for Node Drombeg

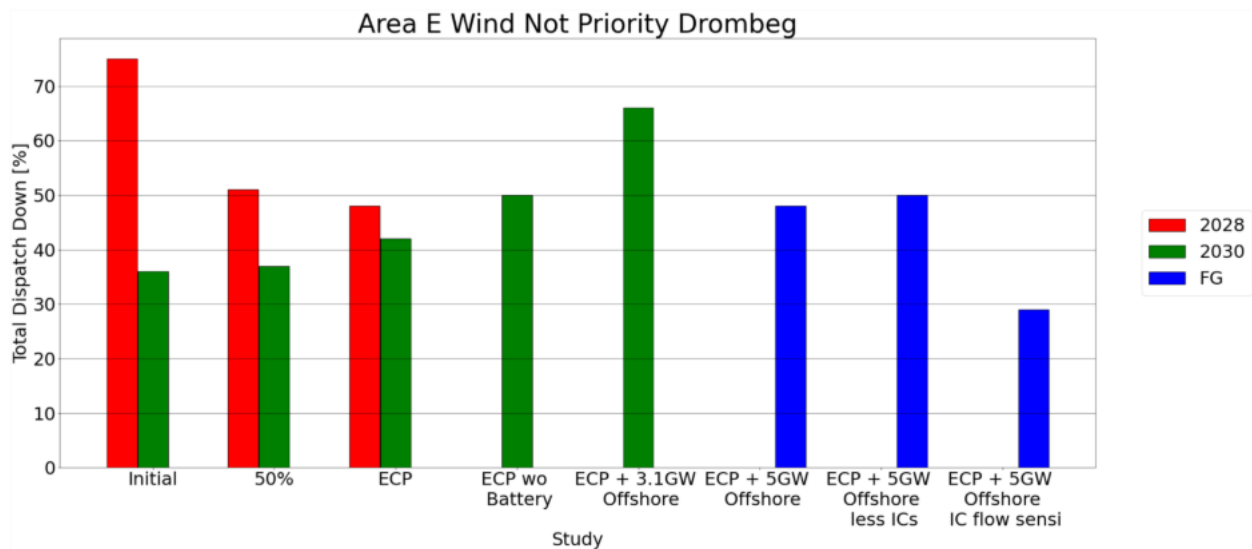


Figure 2-34 - Total Dispatch Down for Wind not priority for Node Drombeg

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	25	
Installed Capacity (MW)	2030	25	25
Available Energy (GWh)	2028	82	
Available Energy (GWh)	2030	82	82
Generation (GWh)	2028	52	
Generation (GWh)	2030	53	40
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-55 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Drombeg

2.14 Garrow



Figure 2-35 - Location of node Garrow

Generator	SO	Capacity	Type	Status
Coomacheo (1)	TSO	41.225	wind priority	connected
Coomacheo (2)	TSO	18.0	wind priority	connected
Clydaghroe (1)	DSO	4.99	wind uncontrolled	connected
Caherdowney (1)	DSO	10.0	wind priority	connected

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

The wind priority data is given in the following table.

Area E	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	69	69	69					
Installed Capacity (MW)	2030	69	69	69	69	69			
Installed Capacity (MW)	FG						69	69	69
Available Energy (GWh)	2028	226	226	226					
Available Energy (GWh)	2030	224	224	224	224	224			
Available Energy (GWh)	FG						224	224	224
Generation (GWh)	2028	204	205	204					
Generation (GWh)	2030	209	211	211	206	208			
Generation (GWh)	FG						212	212	218
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-57 - Surplus, Curtailment and Constraint for Wind priority for Node Garrow

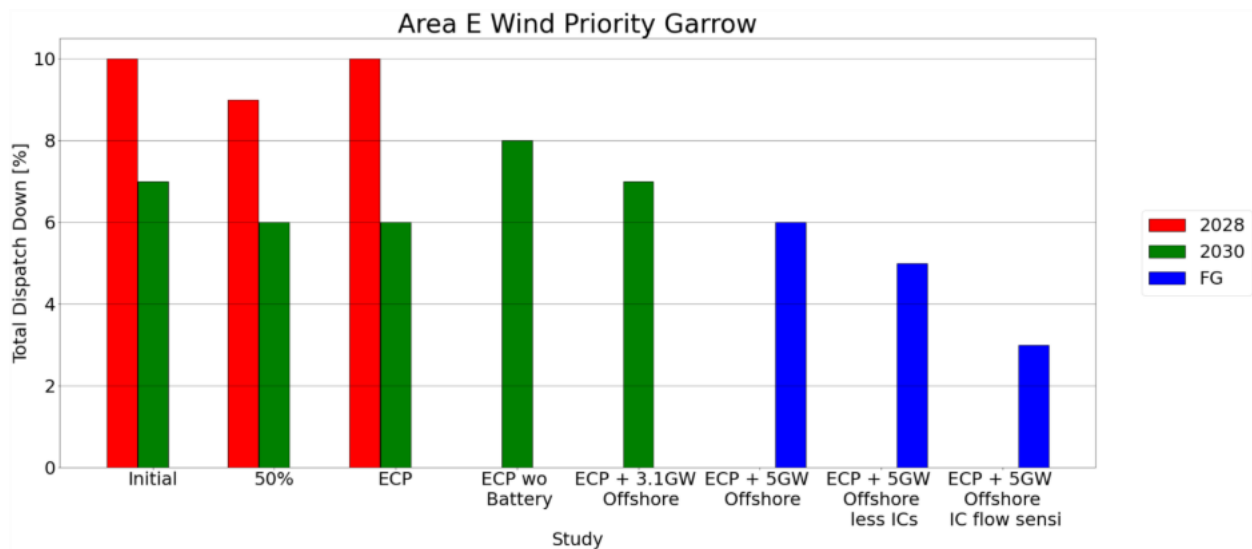


Figure 2-36- Total Dispatch Down for Wind priority for Node Garrow

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	69	
Installed Capacity (MW)	2030	69	69
Available Energy (GWh)	2028	226	
Available Energy (GWh)	2030	224	224
Generation (GWh)	2028	190	
Generation (GWh)	2030	202	190
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

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

2.15 Glanlee



Figure 2-37 - Location of node Glanlee

Generator	SO	Capacity	Type	Status
Glanlee (1)	TSO	29.8	wind priority	connected
Inchamore	TSO	26.0	wind not priority	due to connected

Table 2-59- Generation Included in Study for Node Glanlee

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

Area E	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		13	26					
Installed Capacity (MW)	2030		13	26	26	26			
Installed Capacity (MW)	FG						26	26	26
Available Energy (GWh)	2028		42	85					
Available Energy (GWh)	2030		42	84	84	84			
Available Energy (GWh)	FG						84	84	84
Generation (GWh)	2028		21	44					
Generation (GWh)	2030		26	48	42	29			
Generation (GWh)	FG						44	42	60
Surplus (%)	2028		21 %	26 %					
Surplus (%)	2030		22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailment (%)	2028		5 %	5 %					
Curtailment (%)	2030		3 %	3 %	4 %	3 %			
Curtailment (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		25 %	18 %					
Constraint (%)	2030		12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028		51 %	48 %					
Total Dispatch Down (%)	2030		37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-60 - Surplus, Curtailment and Constraint for Wind non-priority for Node Glanlee

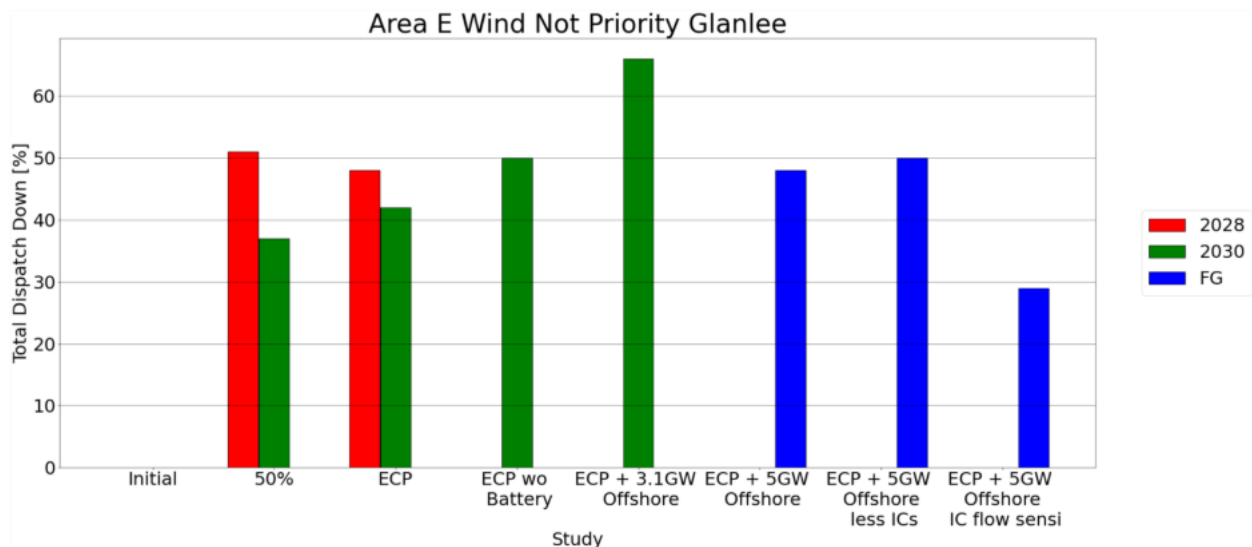


Figure 2-38 - Total Dispatch Down for Wind not priority for Node Glanlee

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	26	
Installed Capacity (MW)	2030	26	26
Available Energy (GWh)	2028	85	
Available Energy (GWh)	2030	84	84
Generation (GWh)	2028	53	
Generation (GWh)	2030	55	41
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-61- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Glanlee

The wind priority data is given in the following table.

Area E	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	30	30	30					
Installed Capacity (MW)	2030	30	30	30	30	30			
Installed Capacity (MW)	FG						30	30	30
Available Energy (GWh)	2028	97	97	97					
Available Energy (GWh)	2030	96	96	96	96	96			
Available Energy (GWh)	FG						96	96	96
Generation (GWh)	2028	88	88	88					
Generation (GWh)	2030	90	91	91	88	90			
Generation (GWh)	FG						91	91	94
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-62 - Surplus, Curtailement and Constraint for Wind priority for Node Glanlee

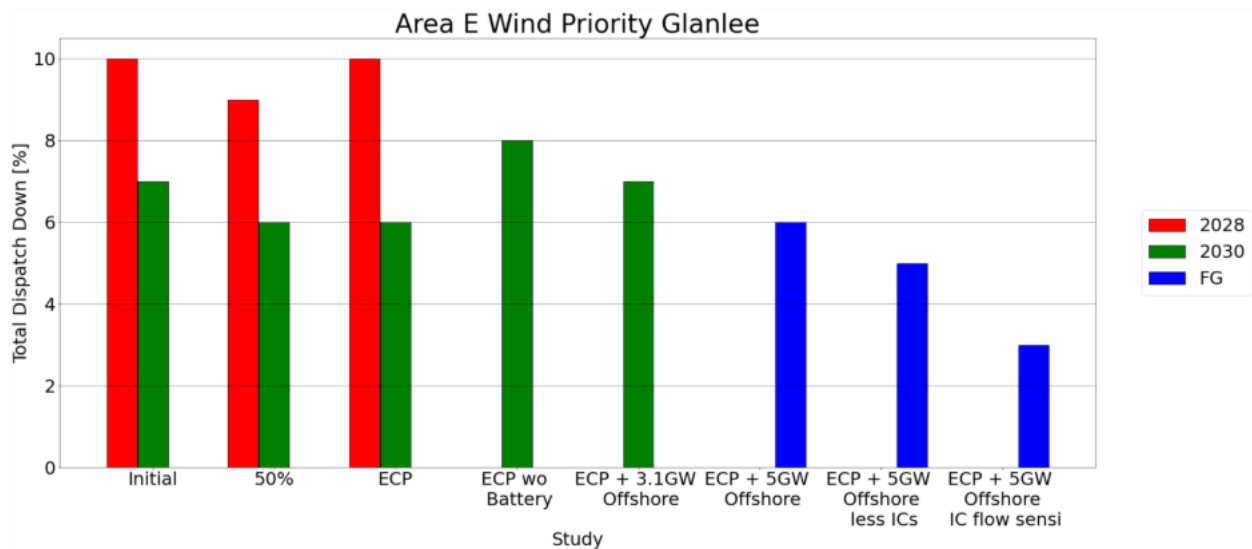


Figure 2-39 - Total Dispatch Down for Wind priority for Node Glanlee

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	30	
Installed Capacity (MW)	2030	30	30
Available Energy (GWh)	2028	97	
Available Energy (GWh)	2030	96	96
Generation (GWh)	2028	82	
Generation (GWh)	2030	87	82
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

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

2.16 Glenlara



Figure 2-40 - Location of node Glenlara

Generator	SO	Capacity	Type	Status
Taubeg (1)	DSO	26.0	wind priority	connected
Dromalour	DSO	4.95	solar not priority	connected

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

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

Area E	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	5	5	5					
Installed Capacity (MW)	2030	5	5	5	5	5			
Installed Capacity (MW)	FG						5	5	5
Available Energy (GWh)	2028	6	6	6					
Available Energy (GWh)	2030	6	6	6	6	6			
Available Energy (GWh)	FG						6	6	6
Generation (GWh)	2028	4	5	4					
Generation (GWh)	2030	5	5	4	4	4			
Generation (GWh)	FG						4	4	5
Surplus (%)	2028	8 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailment (%)	2028	4 %	4 %	6 %					
Curtailment (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailment (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	22 %	4 %	2 %					
Constraint (%)	2030	5 %	1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028	34 %	21 %	31 %					
Total Dispatch Down (%)	2030	16 %	18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-65 - Surplus, Curtailment and Constraint for Solar non-priority for Node Glenlara

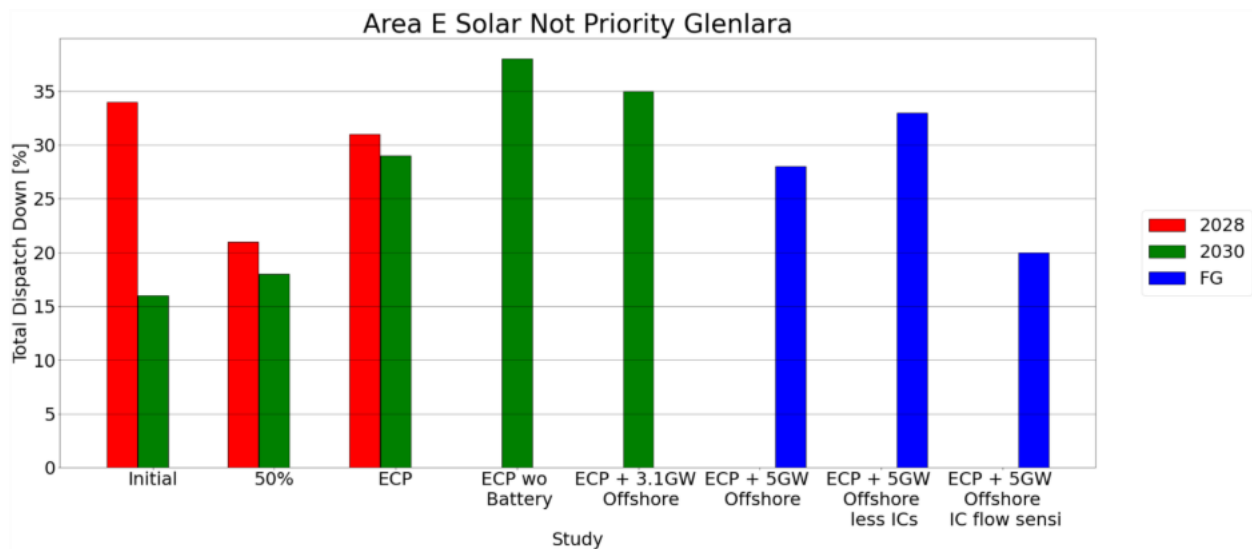


Figure 2-41 - Total Dispatch Down for Solar not priority for Node Glenlara

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

Area E	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 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-66- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Glenlara

2.17 Glenlara 220kv side



Figure 2-42 - Location of node Glenlara 220kv side

Generator	SO	Capacity	Type	Status
Dromdeeveen (1)	DSO	10.5	wind priority	connected
Mauricetown (Glenduff) Wind Farm	DSO	13.8	wind not priority	connected
Dromdeeveen (2)	DSO	16.5	wind priority	connected

Table 2-67 - Generation Included in Study for Node Glenlara 220kv side

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

Area E	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	45	45	45					
Available Energy (GWh)	2030	45	45	45	45	45			
Available Energy (GWh)	FG						45	45	45
Generation (GWh)	2028	11	22	23					
Generation (GWh)	2030	29	28	26	22	15			
Generation (GWh)	FG						23	22	32
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailment (%)	2028	6 %	5 %	5 %					
Curtailment (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailment (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-68 - Surplus, Curtailment and Constraint for Wind non-priority for Node Glenlara 220kv side

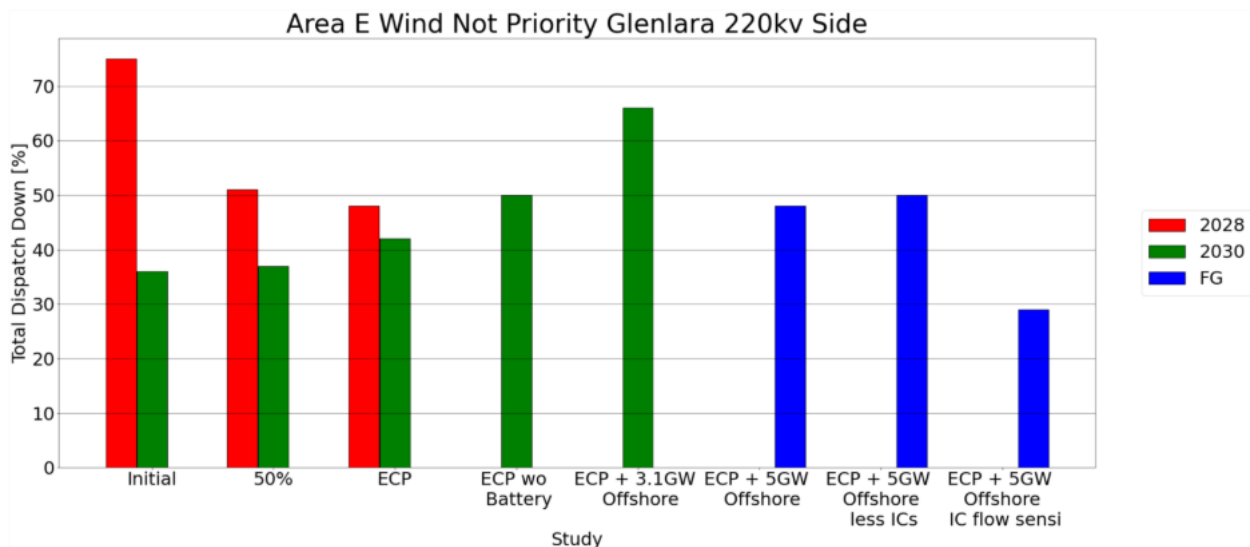


Figure 2-43 - Total Dispatch Down for Wind not priority for Node Glenlara 220kv side

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	14	
Installed Capacity (MW)	2030	14	14
Available Energy (GWh)	2028	45	
Available Energy (GWh)	2030	45	45
Generation (GWh)	2028	28	
Generation (GWh)	2030	29	22
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailment (%)	2028	5 %	
Curtailment (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-69 - Surplus, Curtailment and Constraint for Wind non-priority with sensitivity for Node Glenlara 220kv side

The wind priority data is given in the following table.

Area E	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	53	53	53					
Installed Capacity (MW)	2030	53	53	53	53	53			
Installed Capacity (MW)	FG						53	53	53
Available Energy (GWh)	2028	173	173	173					
Available Energy (GWh)	2030	172	172	172	172	172			
Available Energy (GWh)	FG						172	172	172
Generation (GWh)	2028	156	157	156					
Generation (GWh)	2030	160	162	162	157	160			
Generation (GWh)	FG						162	162	167
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-70 - Surplus, Curtailement and Constraint for Wind priority for Node Glenlara 220kv side

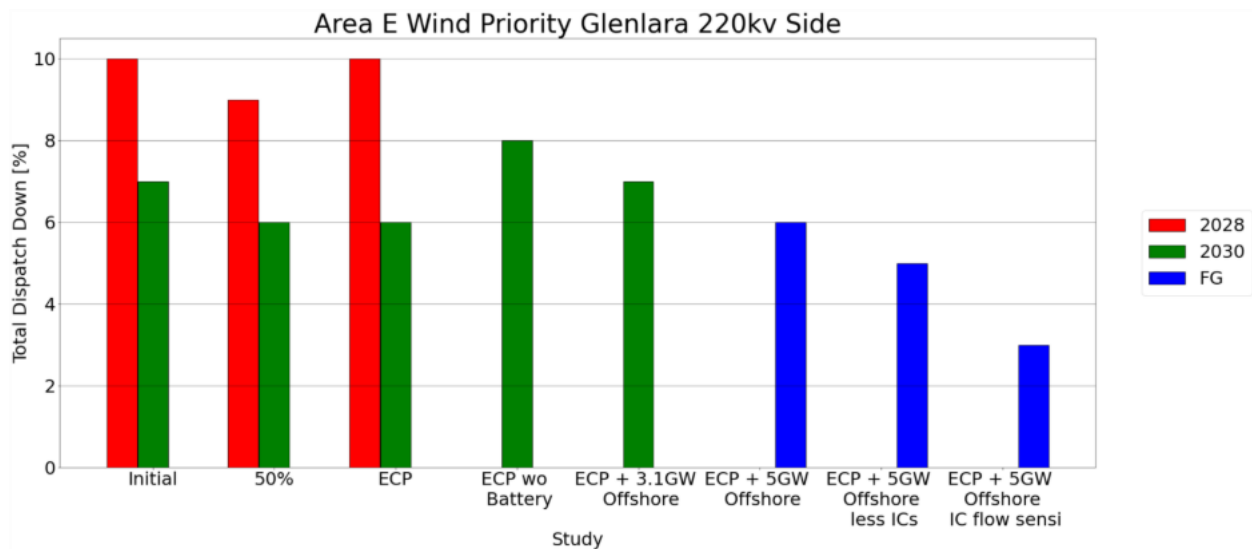


Figure 2-44 - Total Dispatch Down for Wind priority for Node Glenlara 220kv side

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	53	
Installed Capacity (MW)	2030	53	53
Available Energy (GWh)	2028	173	
Available Energy (GWh)	2030	172	172
Generation (GWh)	2028	156	
Generation (GWh)	2030	162	160
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	0 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	10 %	
Total Dispatch Down (%)	2030	6 %	7 %

Table 2-71 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Glenlara 220kv side

2.18 Kilpaddoge

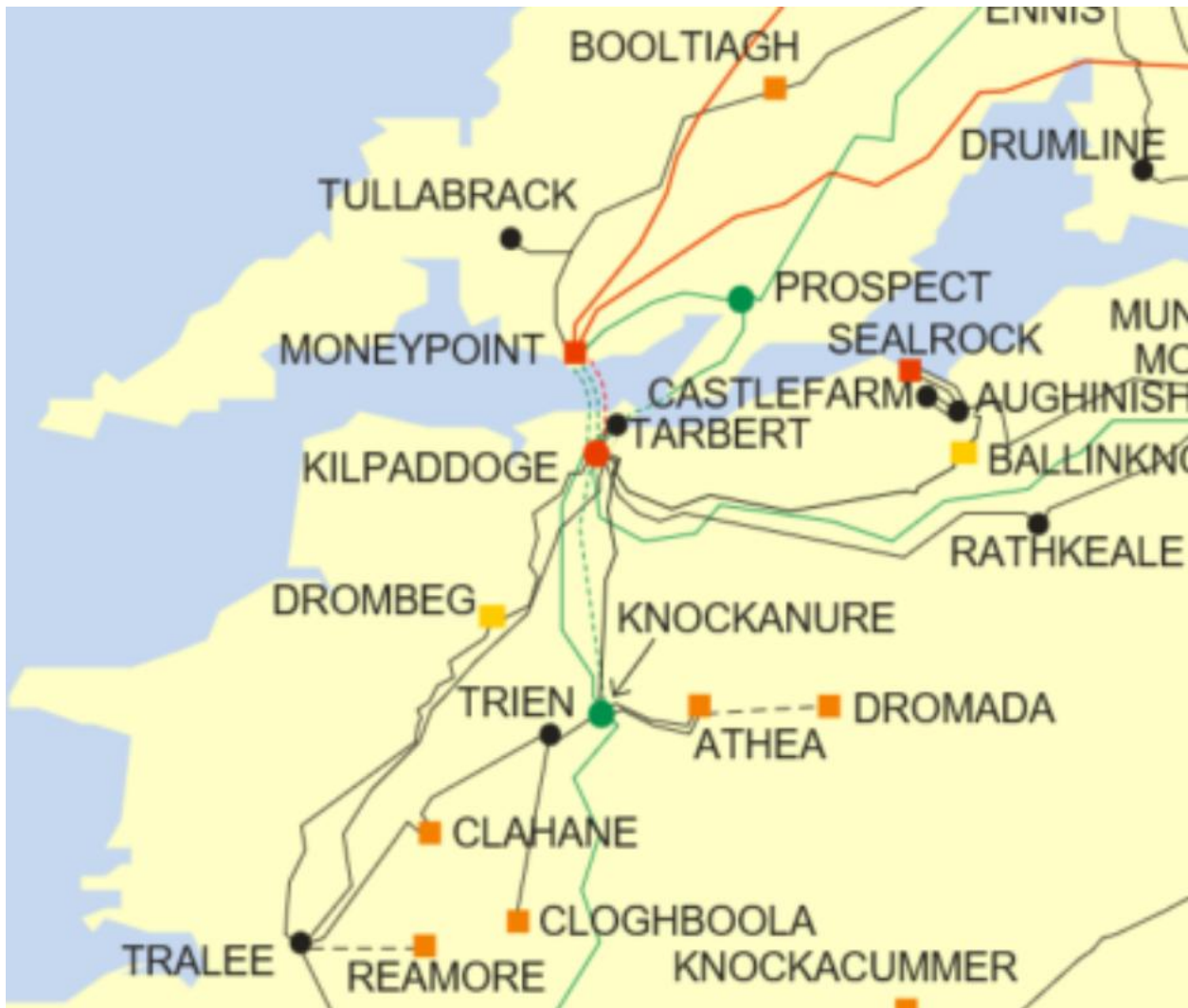


Figure 2-45- Location of node Kilpaddoge

Generator	SO	Capacity	Type	Status
Leanamore (1) (formerly Tarbert (1))	DSO	18.0	wind priority	connected
Kelwin Power Plant	TSO	37.0	wind priority	connected

Table 2-72 - Generation Included in Study for Node Kilpaddoge

The wind priority data is given in the following table.

Area E	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	55	55	55					
Installed Capacity (MW)	2030	55	55	55	55	55			
Installed Capacity (MW)	FG						55	55	55
Available Energy (GWh)	2028	179	179	179					
Available Energy (GWh)	2030	178	178	178	178	178			
Available Energy (GWh)	FG						178	178	178
Generation (GWh)	2028	162	163	162					
Generation (GWh)	2030	166	168	168	163	166			
Generation (GWh)	FG						168	169	173
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-73 - Surplus, Curtailment and Constraint for Wind priority for Node Kilpaddoge

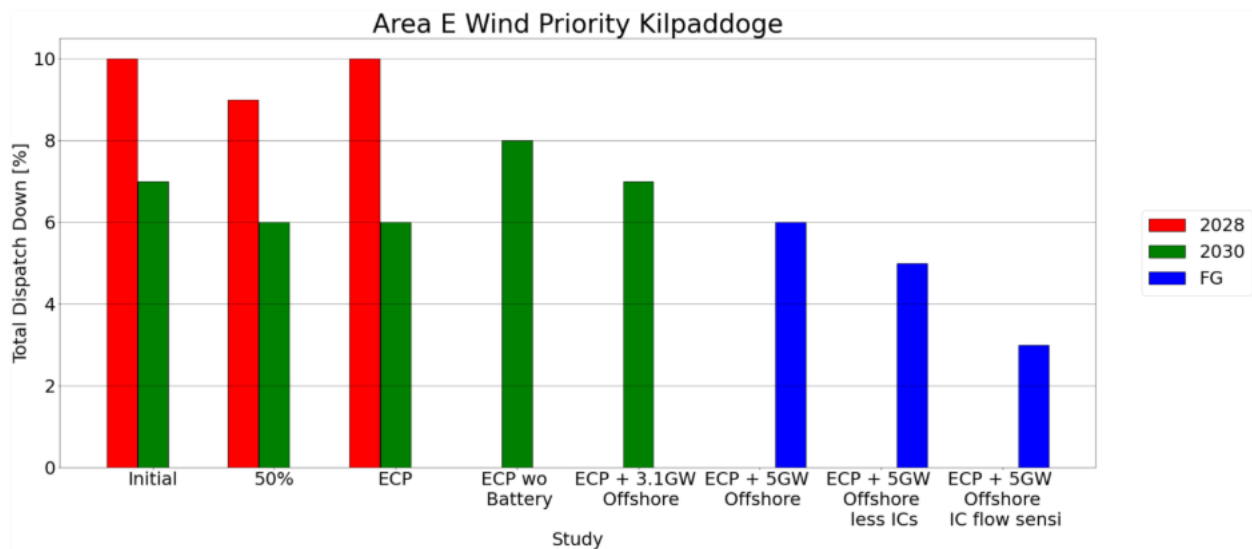


Figure 2-46- Total Dispatch Down for Wind priority for Node Kilpaddoge

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	55	
Installed Capacity (MW)	2030	55	55
Available Energy (GWh)	2028	179	
Available Energy (GWh)	2030	178	178
Generation (GWh)	2028	151	
Generation (GWh)	2030	160	151
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-74 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Kilpaddoge

2.19 Knockacummer

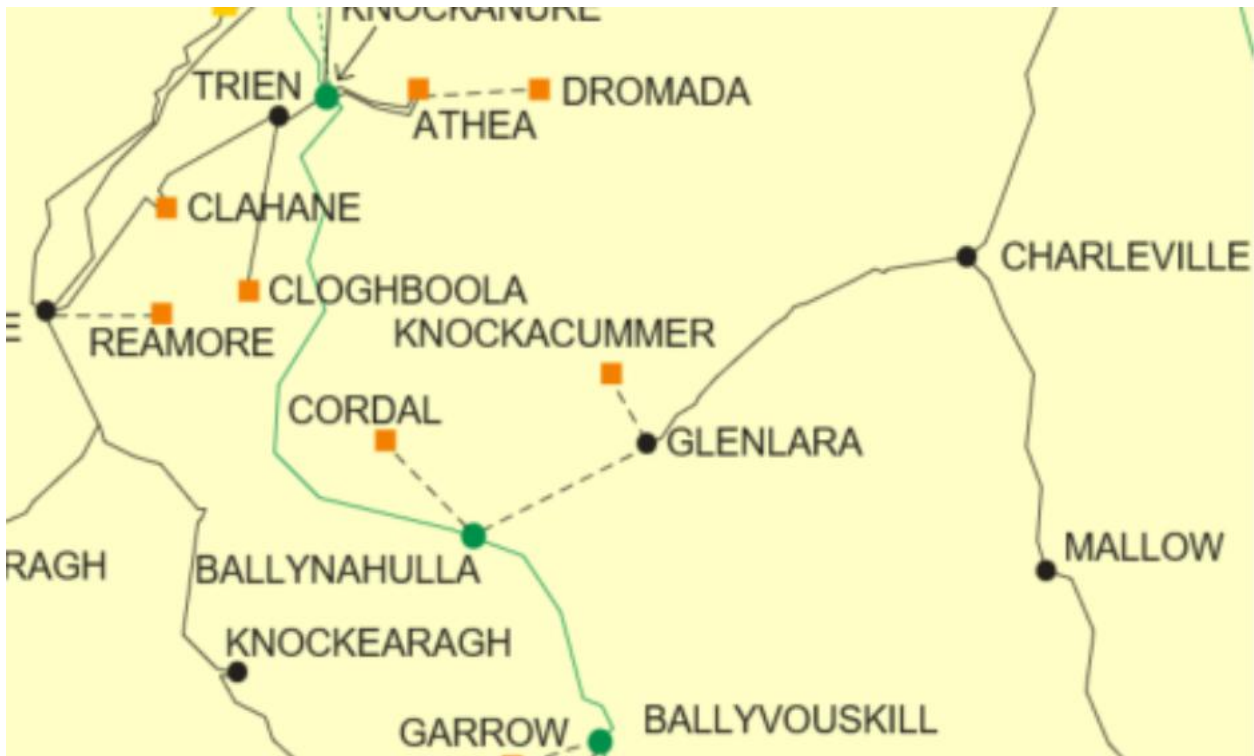


Figure 2-47- Location of node Knockacummer

Generator	SO	Capacity	Type	Status
Knockacummer (1)	TSO	105.0	wind priority	connected

Table 2-75 - Generation Included in Study for Node Knockacummer

The wind priority data is given in the following table.

Area E	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	105	105					
Installed Capacity (MW)	2030	105	105	105	105	105			
Installed Capacity (MW)	FG						105	105	105
Available Energy (GWh)	2028	342	342	342					
Available Energy (GWh)	2030	340	340	340	340	340			
Available Energy (GWh)	FG						340	340	340
Generation (GWh)	2028	309	311	310					
Generation (GWh)	2030	318	321	320	312	316			
Generation (GWh)	FG						321	322	330
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-76 - Surplus, Curtailement and Constraint for Wind priority for Node Knockacummer

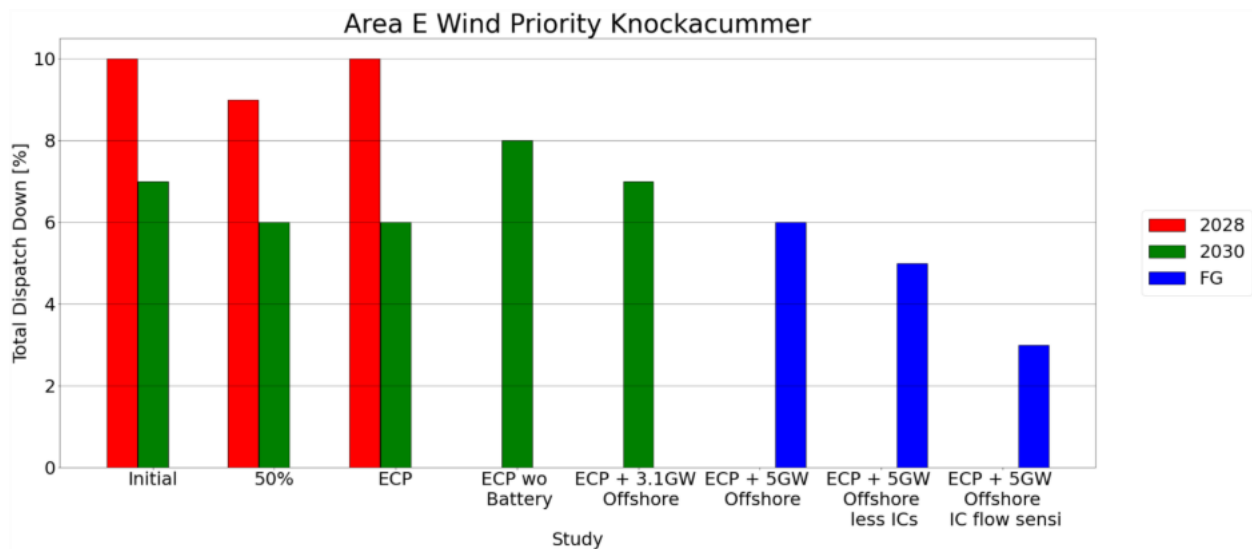


Figure 2-48- Total Dispatch Down for Wind priority for Node Knockacummer

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	105	
Installed Capacity (MW)	2030	105	105
Available Energy (GWh)	2028	342	
Available Energy (GWh)	2030	340	340
Generation (GWh)	2028	288	
Generation (GWh)	2030	306	288
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-77 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Knockacummer

2.20 Knockearagh

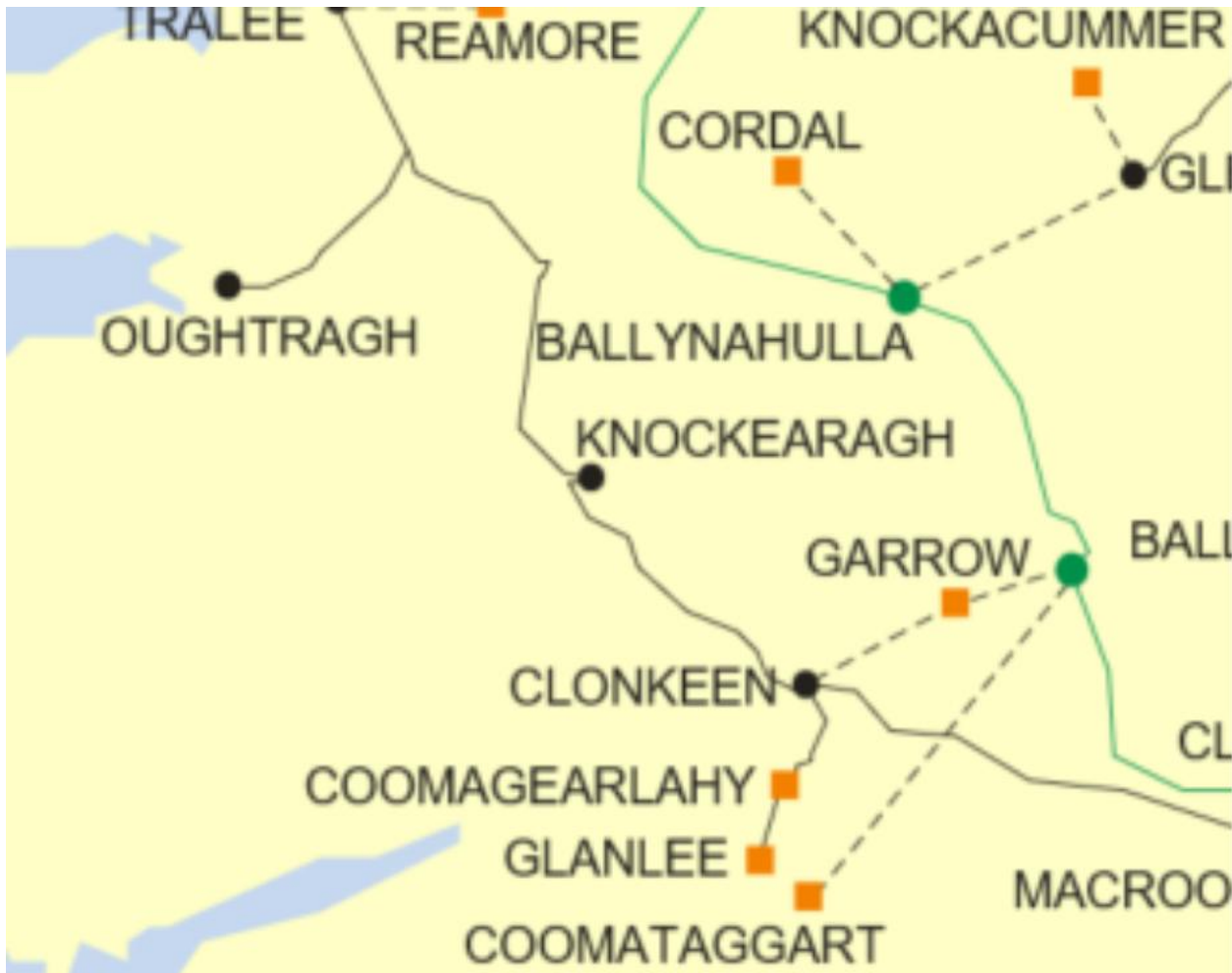


Figure 2-49- Location of node Knockearagh

Generator	SO	Capacity	Type	Status
Gneeves (1)	DSO	9.35	wind priority	connected
WEDcross (1)	DSO	4.5	wind uncontrolled	connected
Brighter Community Solar Farm Kilcummin	DSO	4.99	solar not priority	due to connected

Table 2-78- Generation Included in Study for Node Knockearagh

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

Area E	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		2	4					
Generation (GWh)	2030		2	4	4	4			
Generation (GWh)	FG						4	4	5
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-79- Surplus, Curtailment and Constraint for Solar non-priority for Node Knockearagh

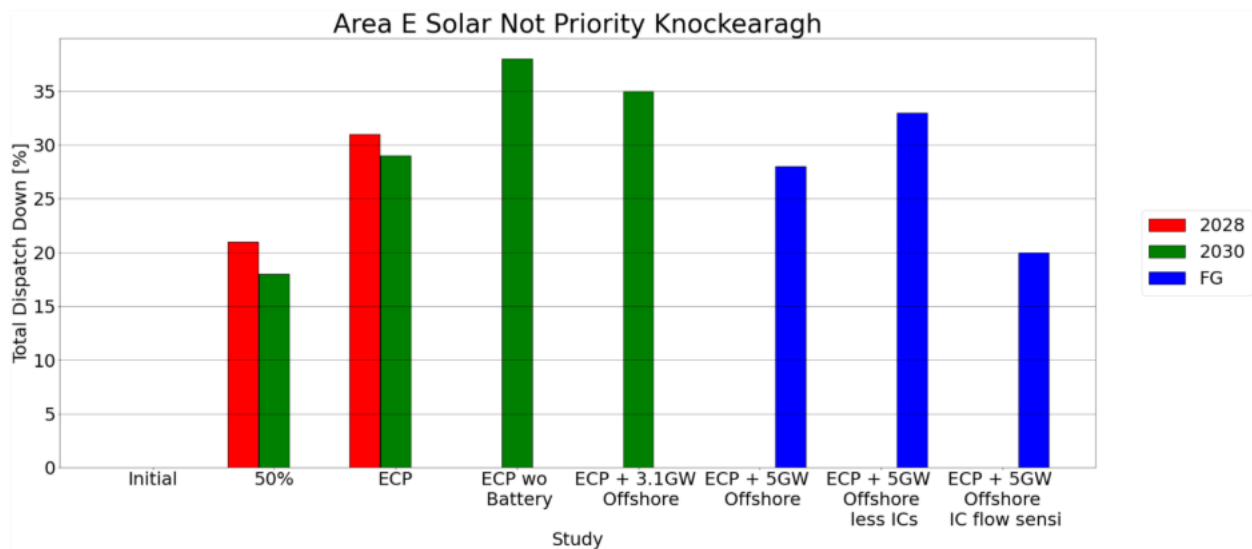


Figure 2-50- Total Dispatch Down for Solar not priority for Node Knockearagh

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

Area E	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 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-80- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Knockearagh

The wind priority data is given in the following table.

Area E	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	9	9	9					
Installed Capacity (MW)	2030	9	9	9	9	9			
Installed Capacity (MW)	FG						9	9	9
Available Energy (GWh)	2028	30	30	30					
Available Energy (GWh)	2030	30	30	30	30	30			
Available Energy (GWh)	FG						30	30	30
Generation (GWh)	2028	27	28	28					
Generation (GWh)	2030	28	29	28	28	28			
Generation (GWh)	FG						29	29	29
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-81 - Surplus, Curtailment and Constraint for Wind priority for Node Knockearagh

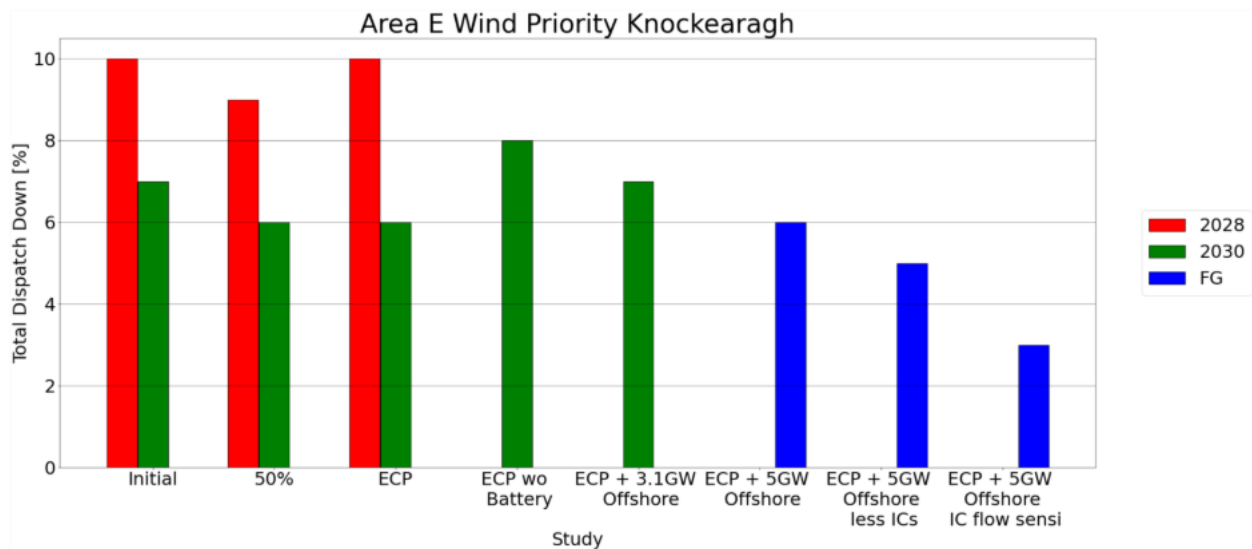


Figure 2-51- Total Dispatch Down for Wind priority for Node Knockearagh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	9	
Installed Capacity (MW)	2030	9	9
Available Energy (GWh)	2028	30	
Available Energy (GWh)	2030	30	30
Generation (GWh)	2028	26	
Generation (GWh)	2030	27	26
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-82 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Knockearagh

2.21 Limerick



Figure 2-52- Location of node Limerick

Generator	SO	Capacity	Type	Status
Islanduane Solar Farm	DSO	4.95	solar not priority	due to connected

Table 2-83- Generation Included in Study for Node Limerick

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

Area E	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		2	4					
Generation (GWh)	2030		2	4	4	4			
Generation (GWh)	FG						4	4	5
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		0 %	0 %					
Constraint (%)	2030		0 %	0 %	0 %	0 %			
Constraint (%)	FG						1 %	0 %	0 %
Total Dispatch Down (%)	2028		17 %	29 %					
Total Dispatch Down (%)	2030		18 %	28 %	38 %	34 %			
Total Dispatch Down (%)	FG						26 %	32 %	20 %

Table 2-84- Surplus, Curtailment and Constraint for Solar non-priority for Node Limerick

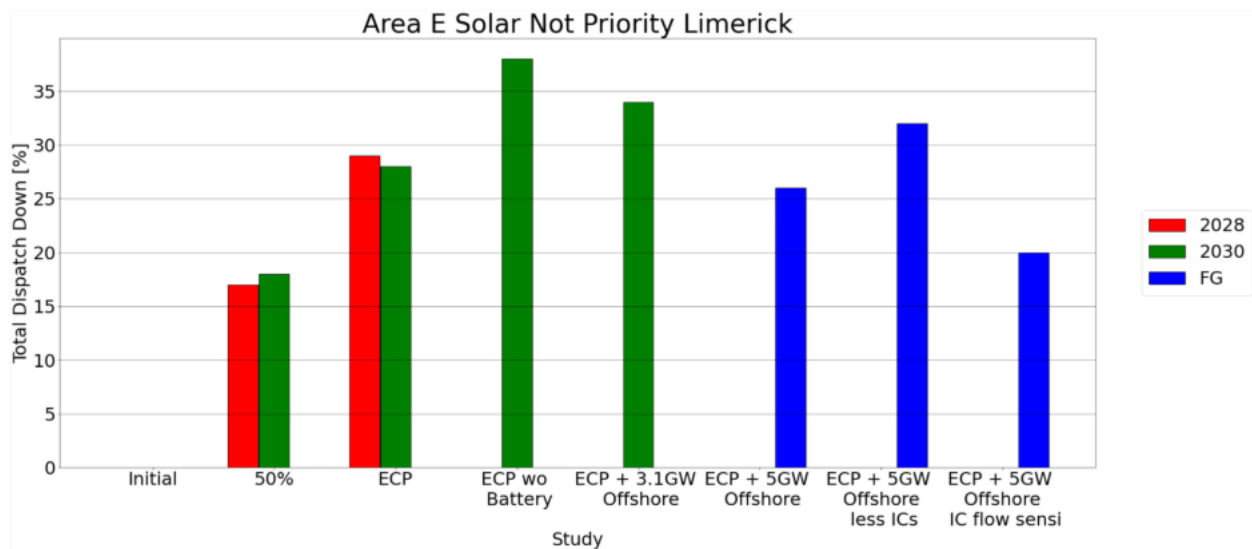


Figure 2-53 - Total Dispatch Down for Solar not priority for Node Limerick

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

Area E	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 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	0 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	29 %	
Total Dispatch Down (%)	2030	28 %	34 %

Table 2-85 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Limerick

2.22 Mallow



Figure 2-54- Location of node Mallow

Generator	SO	Capacity	Type	Status
Crossfield	DSO	4.95	solar not priority	connected

Table 2-86- Generation Included in Study for Node Mallow

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

Area E	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	5	5	5					
Installed Capacity (MW)	2030	5	5	5	5	5			
Installed Capacity (MW)	FG						5	5	5
Available Energy (GWh)	2028	6	6	6					
Available Energy (GWh)	2030	6	6	6	6	6			
Available Energy (GWh)	FG						6	6	6
Generation (GWh)	2028	4	5	4					
Generation (GWh)	2030	5	5	4	4	4			
Generation (GWh)	FG						4	4	5
Surplus (%)	2028	8 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailment (%)	2028	4 %	4 %	6 %					
Curtailment (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailment (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	22 %	4 %	2 %					
Constraint (%)	2030	5 %	1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028	34 %	21 %	31 %					
Total Dispatch Down (%)	2030	16 %	18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-87- Surplus, Curtailment and Constraint for Solar non-priority for Node Mallow

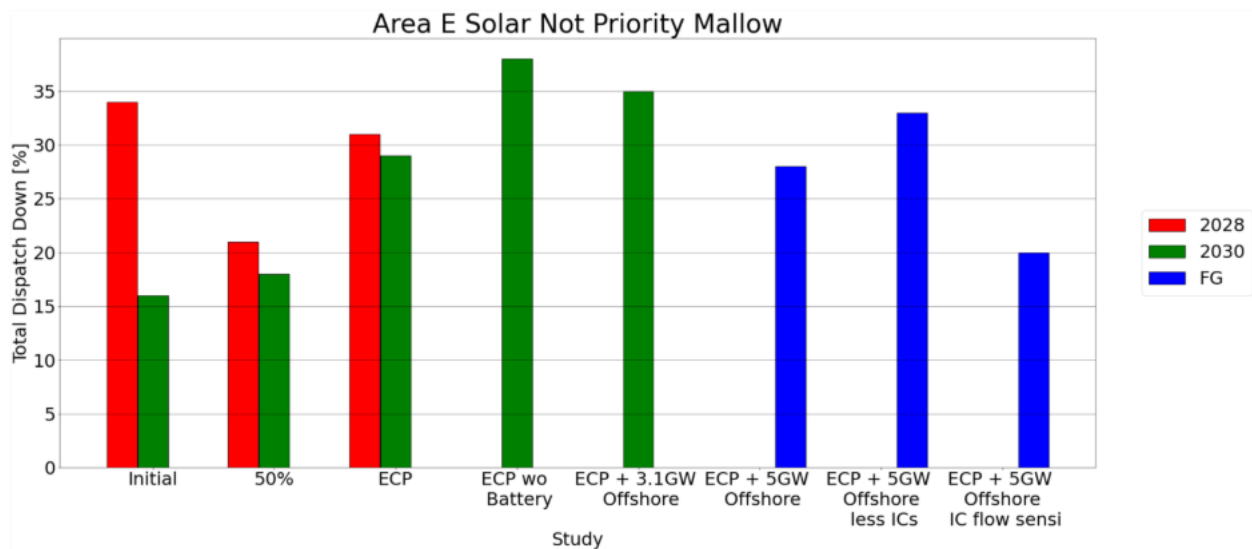


Figure 2-55 - Total Dispatch Down for Solar not priority for Node Mallow

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

Area E	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 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-88- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Mallow

2.23 Moneypoint

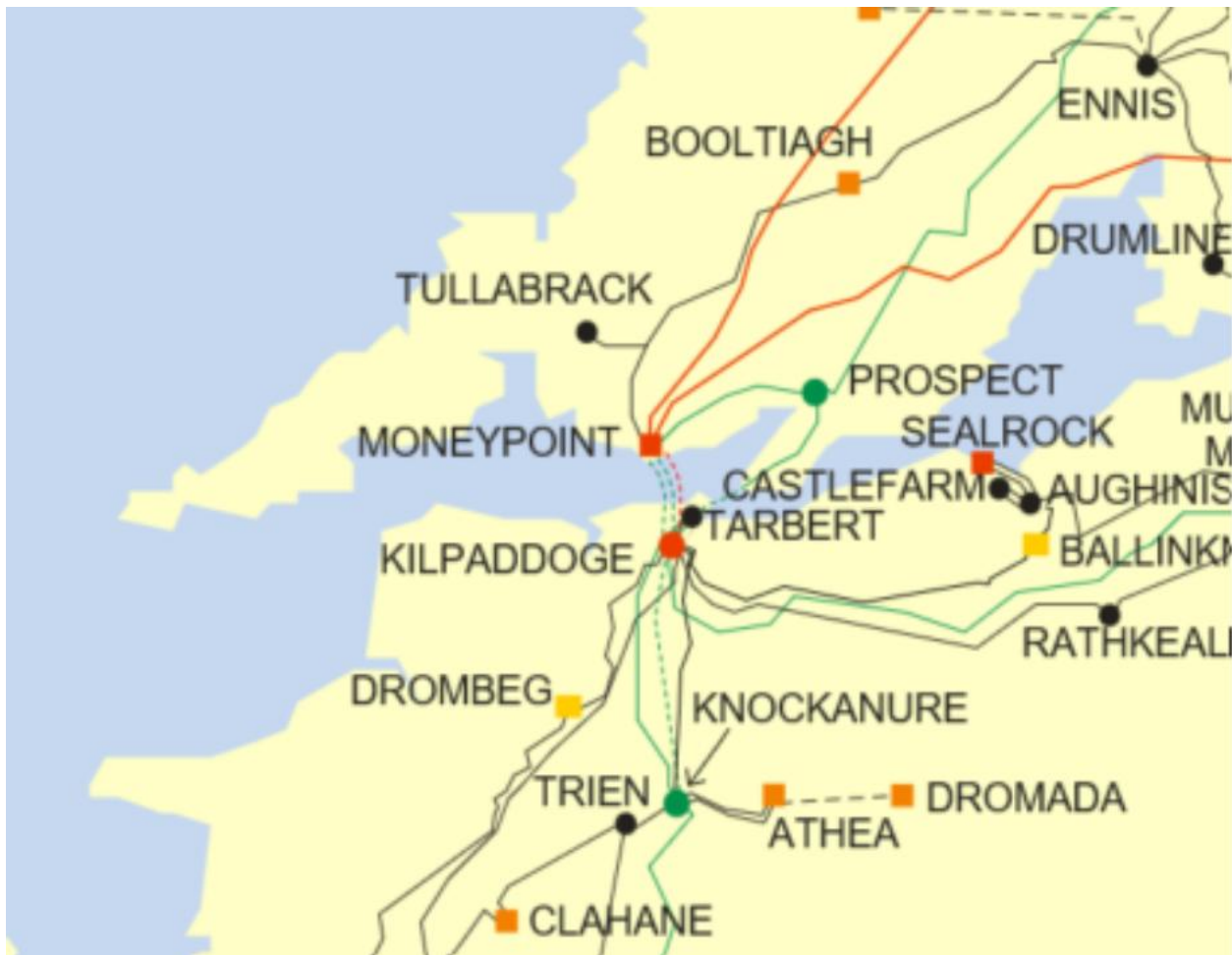


Figure 2-56- Location of node Moneypoint

Generator	SO	Capacity	Type	Status
Moneypoint WF	TSO	17.25	wind priority	connected

Table 2-89- Generation Included in Study for Node Moneypoint

The wind priority data is given in the following table.

Area E	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	17	17	17					
Installed Capacity (MW)	2030	17	17	17	17	17			
Installed Capacity (MW)	FG						17	17	17
Available Energy (GWh)	2028	56	56	56					
Available Energy (GWh)	2030	56	56	56	56	56			
Available Energy (GWh)	FG						56	56	56
Generation (GWh)	2028	51	51	51					
Generation (GWh)	2030	52	53	53	51	52			
Generation (GWh)	FG						53	53	54
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-90 - Surplus, Curtailment and Constraint for Wind priority for Node Moneypoint

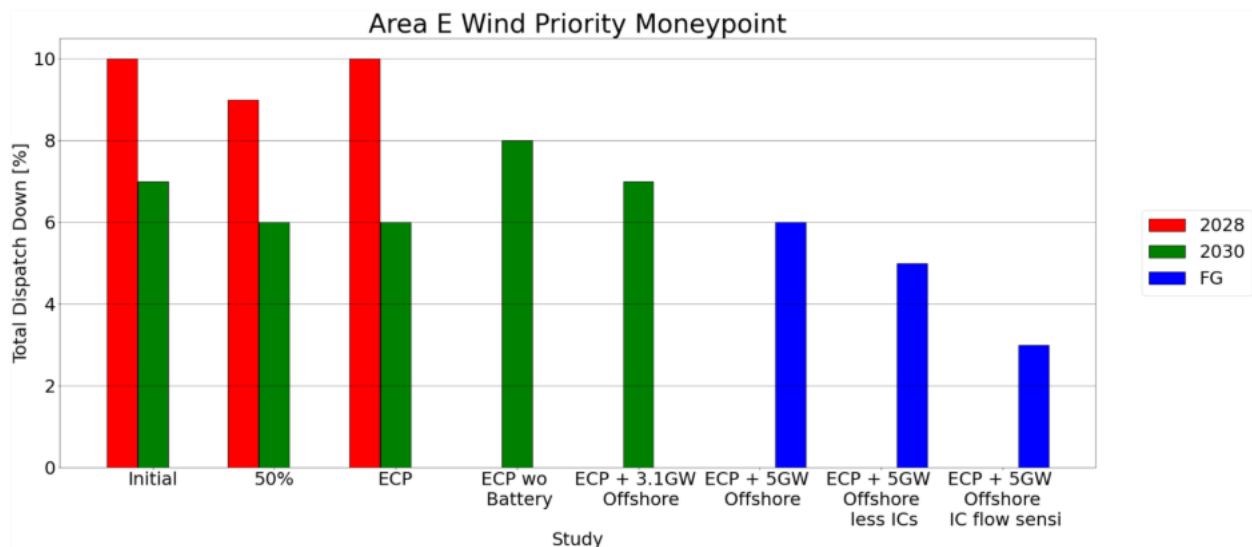


Figure 2-57- Total Dispatch Down for Wind priority for Node Moneypoint

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	17	
Installed Capacity (MW)	2030	17	17
Available Energy (GWh)	2028	56	
Available Energy (GWh)	2030	56	56
Generation (GWh)	2028	51	
Generation (GWh)	2030	53	52
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	0 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	10 %	
Total Dispatch Down (%)	2030	6 %	7 %

Table 2-91- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Moneypoint

2.24 Moneypoint 220kv

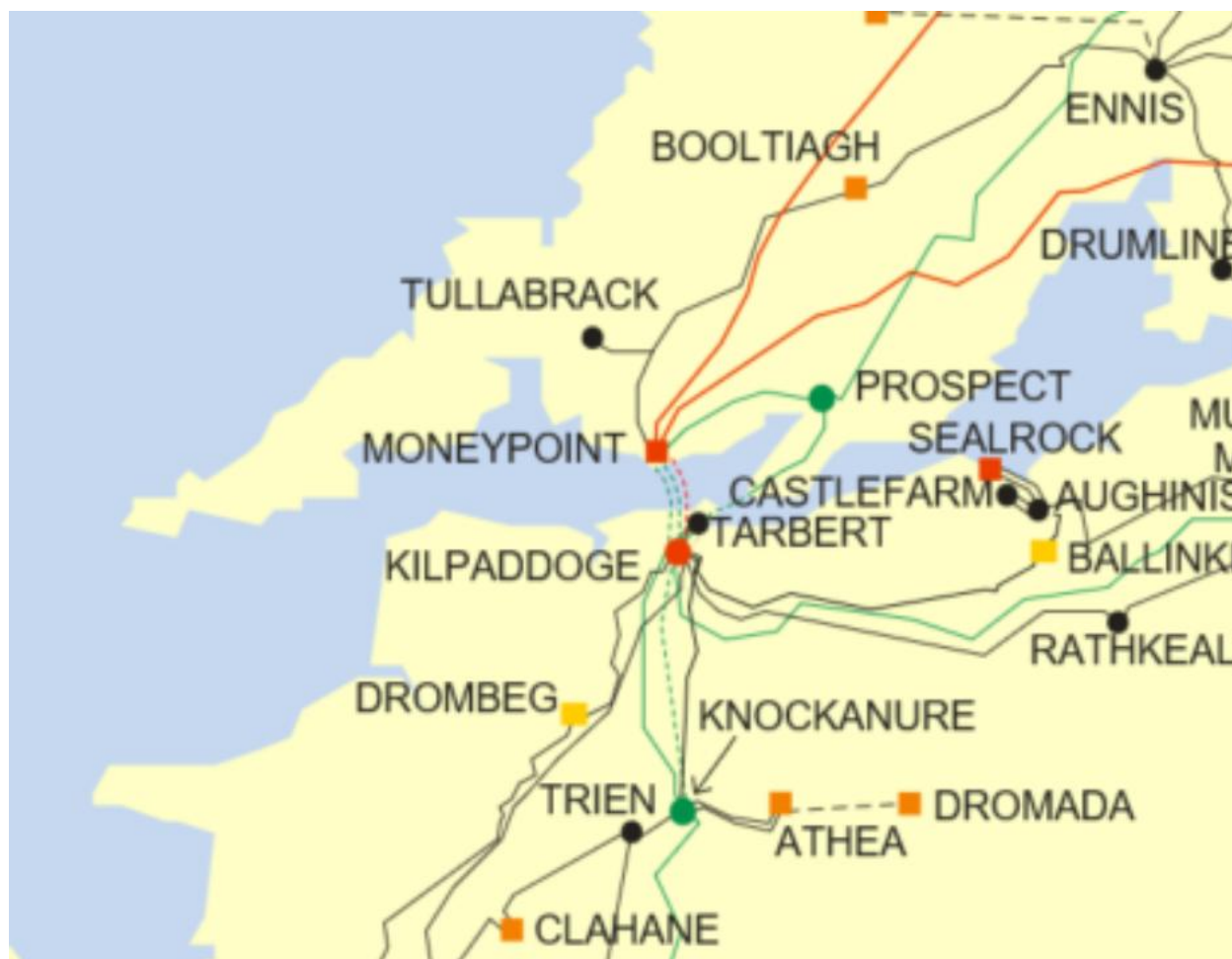


Figure 2-58- Location of node Moneypoint 220kv

Generator	SO	Capacity	Type	Status
Sceirde Rocks	TSO	450.0	wind not priority	due to connected

Table 2-92- Generation Included in Study for Node Moneypoint 220kv

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

Area E	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								
Installed Capacity (MW)	2030					450			
Installed Capacity (MW)	FG						450	450	450
Available Energy (GWh)	2028								
Available Energy (GWh)	2030					1990			
Available Energy (GWh)	FG						1990	1990	1990
Generation (GWh)	2028								
Generation (GWh)	2030					1228			
Generation (GWh)	FG						1307	1284	1593
Surplus (%)	2028								
Surplus (%)	2030					35 %			
Surplus (%)	FG						27 %	32 %	18 %
Curtailement (%)	2028								
Curtailement (%)	2030					3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028								
Constraint (%)	2030					0 %			
Constraint (%)	FG						5 %	1 %	1 %
Total Dispatch Down (%)	2028								
Total Dispatch Down (%)	2030					38 %			
Total Dispatch Down (%)	FG						34 %	36 %	20 %

Table 2-93 - Surplus, Curtailment and Constraint for Wind non-priority for Node Moneypoint 220kv

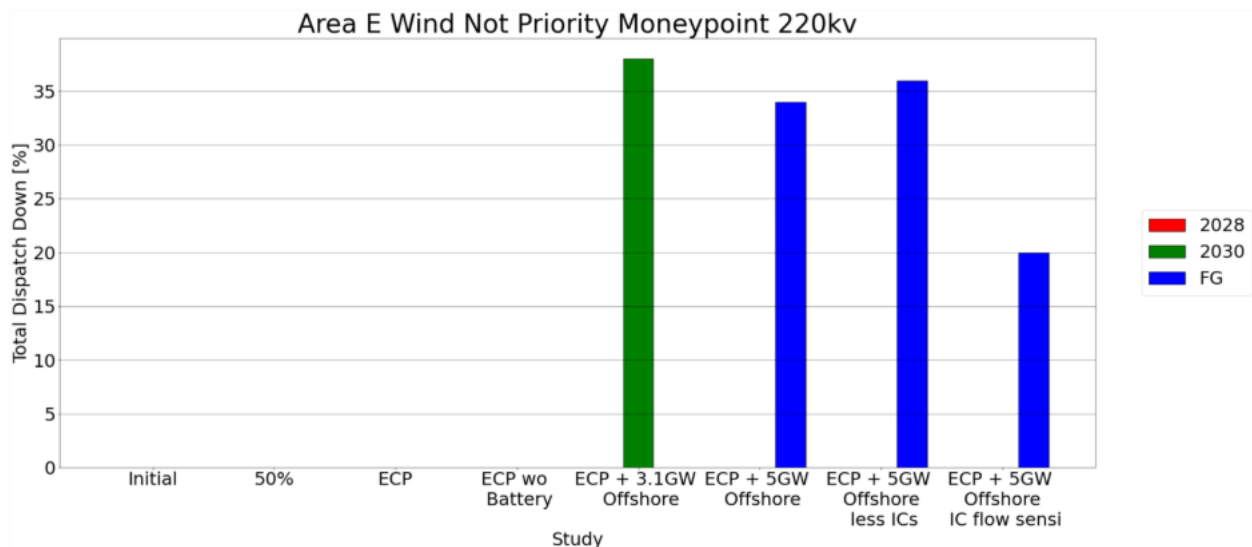


Figure 2-59- Total Dispatch Down for Wind not priority for Node Moneypoint 220kv

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028		
Installed Capacity (MW)	2030		450
Available Energy (GWh)	2028		
Available Energy (GWh)	2030		1990
Generation (GWh)	2028		
Generation (GWh)	2030		1229
Surplus (%)	2028		
Surplus (%)	2030		35 %
Curtailement (%)	2028		
Curtailement (%)	2030		3 %
Constraint (%)	2028		
Constraint (%)	2030		0 %
Total Dispatch Down (%)	2028		
Total Dispatch Down (%)	2030		38 %

Table 2-94 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Moneypoint 220kv

2.25 Oughtragh



Figure 2-60- Location of node Oughtragh

Generator	SO	Capacity	Type	Status
Knockaneden (1)	DSO	9.0	wind priority	connected
Maine Solar	DSO	4.0	solar not priority	due to connected
Knockreagh Community Solar	DSO	4.4	solar not priority	due to connected
Maine Solar Extension	DSO	1.0	solar not priority	due to connected

Table 2-95- Generation Included in Study for Node Oughtragh

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

Area E	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		5	9					
Installed Capacity (MW)	2030		5	9	9	9			
Installed Capacity (MW)	FG						9	9	9
Available Energy (GWh)	2028		6	11					
Available Energy (GWh)	2030		6	11	11	11			
Available Energy (GWh)	FG						11	11	11
Generation (GWh)	2028		4	8					
Generation (GWh)	2030		4	8	7	7			
Generation (GWh)	FG						8	7	9
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailment (%)	2028		4 %	6 %					
Curtailment (%)	2030		3 %	4 %	5 %	4 %			
Curtailment (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-96 - Surplus, Curtailment and Constraint for Solar non-priority for Node Oughtragh

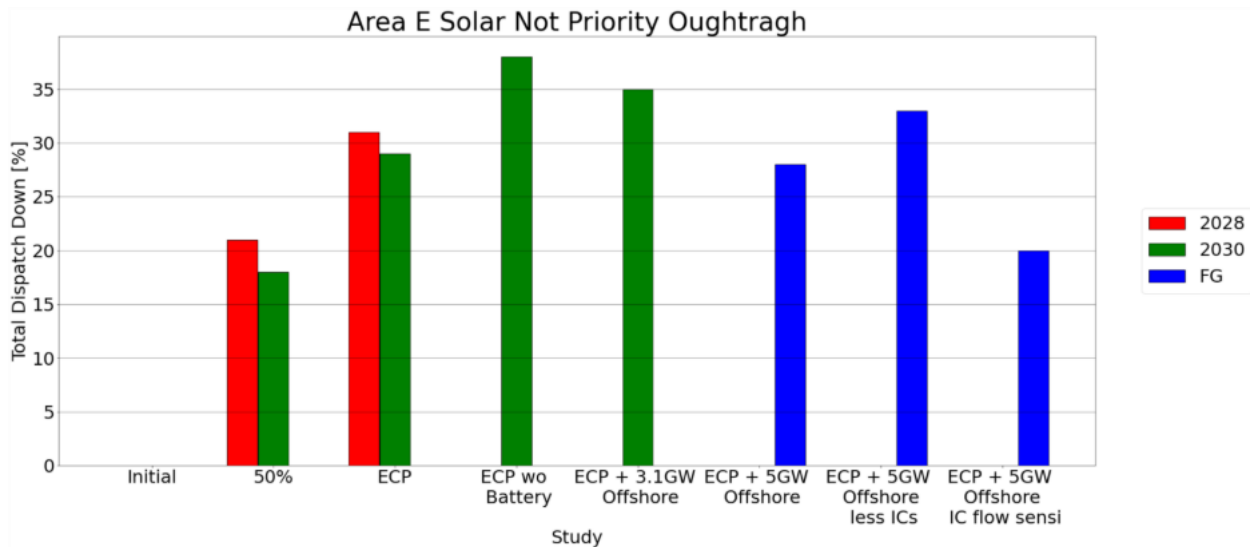


Figure 2-61- Total Dispatch Down for Solar not priority for Node Oughtragh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	9	
Installed Capacity (MW)	2030	9	9
Available Energy (GWh)	2028	11	
Available Energy (GWh)	2030	11	11
Generation (GWh)	2028	8	
Generation (GWh)	2030	8	7
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-97- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Oughtragh

The wind priority data is given in the following table.

Area E	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	9	9	9					
Installed Capacity (MW)	2030	9	9	9	9	9			
Installed Capacity (MW)	FG						9	9	9
Available Energy (GWh)	2028	29	29	29					
Available Energy (GWh)	2030	29	29	29	29	29			
Available Energy (GWh)	FG						29	29	29
Generation (GWh)	2028	26	27	27					
Generation (GWh)	2030	27	27	27	27	27			
Generation (GWh)	FG						28	28	28
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-98 - Surplus, Curtailment and Constraint for Wind priority for Node Oughttragh

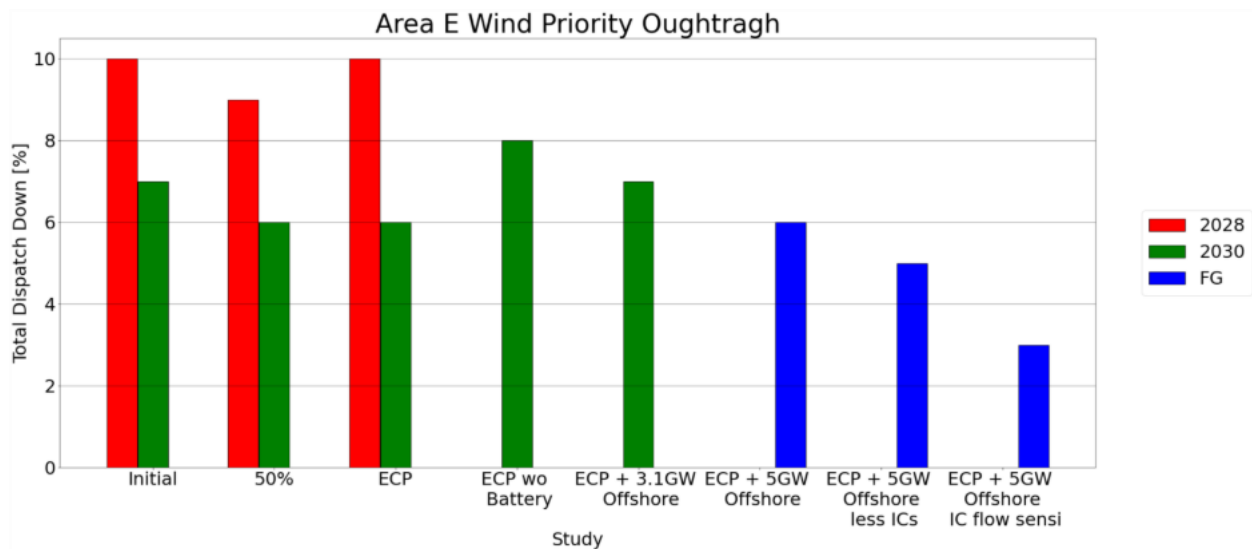


Figure 2-62- Total Dispatch Down for Wind priority for Node Oughtragh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	9	
Installed Capacity (MW)	2030	9	9
Available Energy (GWh)	2028	29	
Available Energy (GWh)	2030	29	29
Generation (GWh)	2028	25	
Generation (GWh)	2030	26	25
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-99 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Oughtragh

2.26 Pollagh

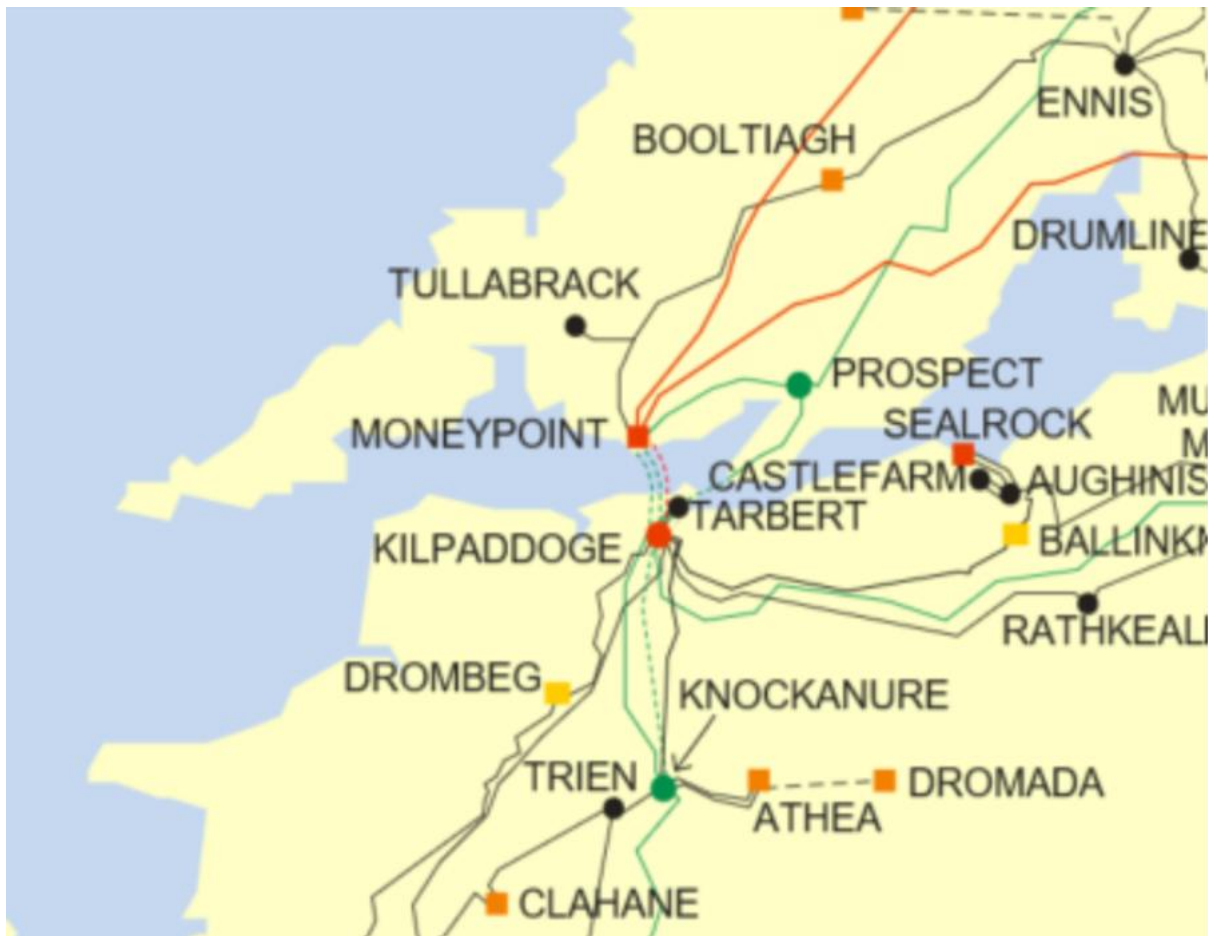


Figure 2-63 -Location of node Oughtragh

Generator	SO	Capacity	Type	Status
Shrownowen Windfarm	TSO	50.0	wind not priority	due to connected
Ballylongford Solar	TSO	128.0	solar not priority	due to connected

Table 2-100- Generation Included in Study for Node Pollagh

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

Area E	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		64	128					
Installed Capacity (MW)	2030		64	128	128	128			
Installed Capacity (MW)	FG						128	128	128
Available Energy (GWh)	2028		75	150					
Available Energy (GWh)	2030		75	150	150	150			
Available Energy (GWh)	FG						150	150	150
Generation (GWh)	2028		59	104					
Generation (GWh)	2030		61	107	92	98			
Generation (GWh)	FG						108	101	119
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailment (%)	2028		4 %	6 %					
Curtailment (%)	2030		3 %	4 %	5 %	4 %			
Curtailment (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-101 - Surplus, Curtailment and Constraint for Solar non-priority for Node Pollagh

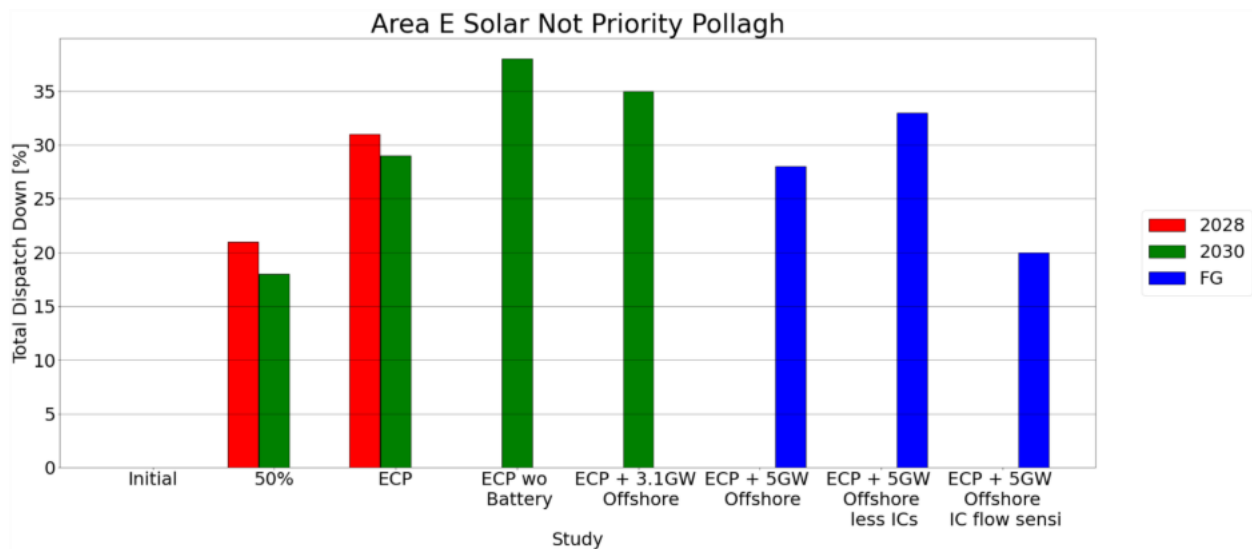


Figure 2-64 - Total Dispatch Down for Solar not priority for Node Pollagh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	128	
Installed Capacity (MW)	2030	128	128
Available Energy (GWh)	2028	150	
Available Energy (GWh)	2030	150	150
Generation (GWh)	2028	104	
Generation (GWh)	2030	107	98
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-102- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Pollagh

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

Area E	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		25	50					
Installed Capacity (MW)	2030		25	50	50	50			
Installed Capacity (MW)	FG						50	50	50
Available Energy (GWh)	2028		81	163					
Available Energy (GWh)	2030		81	162	162	162			
Available Energy (GWh)	FG						162	162	162
Generation (GWh)	2028		40	84					
Generation (GWh)	2030		51	93	80	55			
Generation (GWh)	FG						84	81	115
Surplus (%)	2028		21 %	26 %					
Surplus (%)	2030		22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailment (%)	2028		5 %	5 %					
Curtailment (%)	2030		3 %	3 %	4 %	3 %			
Curtailment (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		25 %	18 %					
Constraint (%)	2030		12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028		51 %	48 %					
Total Dispatch Down (%)	2030		37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-103 - Surplus, Curtailment and Constraint for Wind non-priority for Node Pollagh

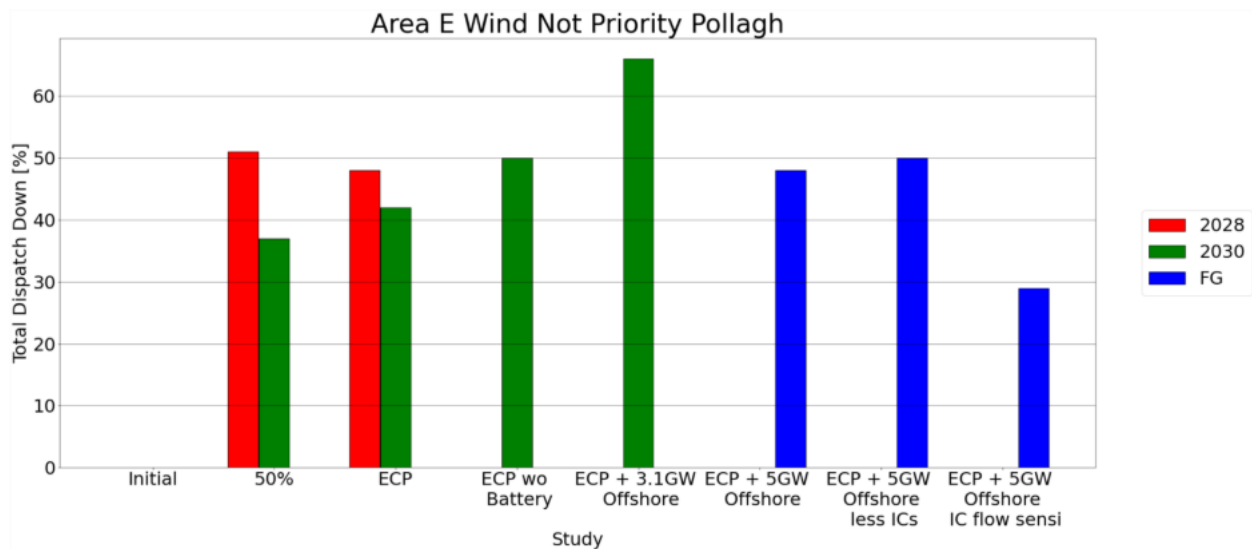


Figure 2-65- Total Dispatch Down for Wind not priority for Node Pollagh

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	50	
Installed Capacity (MW)	2030	50	50
Available Energy (GWh)	2028	163	
Available Energy (GWh)	2030	162	162
Generation (GWh)	2028	102	
Generation (GWh)	2030	105	79
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-104 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Pollagh

2.27 Rathkeale



Figure 2-66 - Location of node Rathkeale

Generator	SO	Capacity	Type	Status
Rathcahill (1)	DSO	12.5	wind priority	connected
Grouse Lodge (1)	DSO	15.0	wind priority	connected
Carrons (1)	DSO	4.99	wind uncontrolled	connected

Table 2-105 - Generation Included in Study for Node Rathkeale

The wind priority data is given in the following table.

Area E	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	28	28	28					
Installed Capacity (MW)	2030	28	28	28	28	28			
Installed Capacity (MW)	FG						28	28	28
Available Energy (GWh)	2028	90	90	90					
Available Energy (GWh)	2030	89	89	89	89	89			
Available Energy (GWh)	FG						89	89	89
Generation (GWh)	2028	81	82	81					
Generation (GWh)	2030	83	84	84	82	83			
Generation (GWh)	FG						84	84	87
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-106- Surplus, Curtailment and Constraint for Wind priority for Node Rathkeale

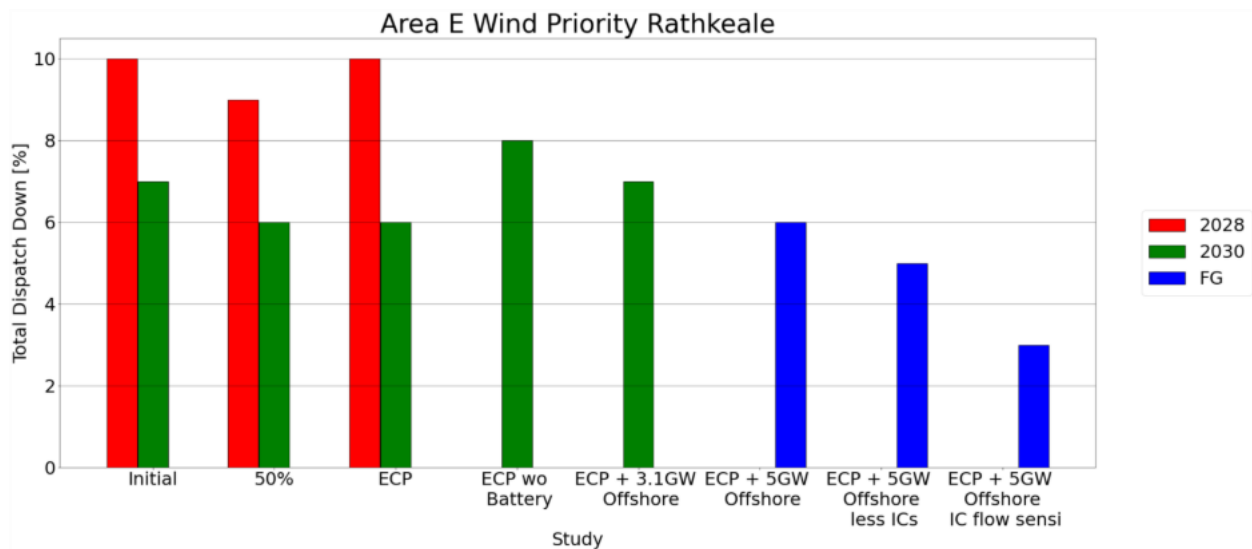


Figure 2-67- Total Dispatch Down for Wind priority for Node Rathkeale

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	28	
Installed Capacity (MW)	2030	28	28
Available Energy (GWh)	2028	90	
Available Energy (GWh)	2030	89	89
Generation (GWh)	2028	81	
Generation (GWh)	2030	84	82
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	0 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	10 %	
Total Dispatch Down (%)	2030	6 %	7 %

Table 2-107- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Rathkeale

2.28 Reamore



Figure 2-68- Location of node Reamore

Generator	SO	Capacity	Type	Status
Muingnaminnane (1)	DSO	15.3	wind priority	connected
Knocknagoum (1)	DSO	42.55	wind priority	connected
Knocknagoum (2) formerly Muingnatee (3)	DSO	1.8	wind uncontrolled	connected
Stack's Mountain	DSO	25.3	wind not priority	due to connected
Stacks Mountain Wind Farm 2	DSO	4.5	wind not priority	due to connected

Table 2-108- Generation Included in Study for Node Reamore

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

Area E	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	25	28	30					
Installed Capacity (MW)	2030	25	28	30	30	30			
Installed Capacity (MW)	FG						30	30	30
Available Energy (GWh)	2028	82	90	97					
Available Energy (GWh)	2030	82	89	96	96	96			
Available Energy (GWh)	FG						96	96	96
Generation (GWh)	2028	20	44	50					
Generation (GWh)	2030	52	56	56	48	33			
Generation (GWh)	FG						50	49	69
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailment (%)	2028	6 %	5 %	5 %					
Curtailment (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailment (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-109- Surplus, Curtailment and Constraint for Wind non-priority for Node Reamore

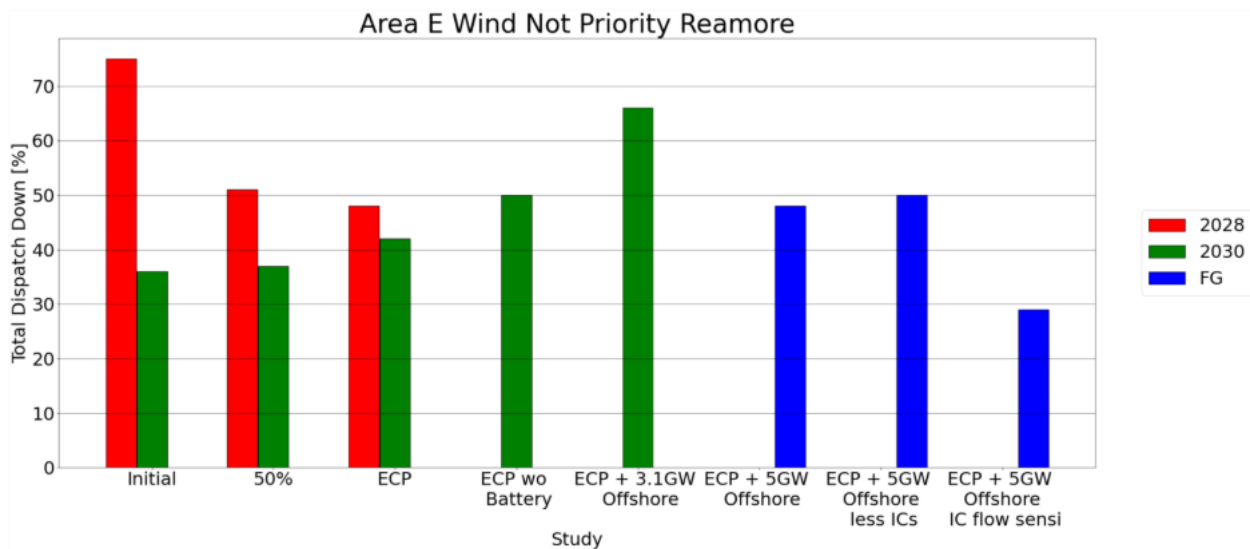


Figure 2-69- Total Dispatch Down for Wind not priority for Node Reamore

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	30	
Installed Capacity (MW)	2030	30	30
Available Energy (GWh)	2028	97	
Available Energy (GWh)	2030	96	96
Generation (GWh)	2028	61	
Generation (GWh)	2030	63	47
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-110- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Reamore

The wind priority data is given in the following table.

Area E	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	58	58	58					
Installed Capacity (MW)	2030	58	58	58	58	58			
Installed Capacity (MW)	FG						58	58	58
Available Energy (GWh)	2028	189	189	189					
Available Energy (GWh)	2030	187	187	187	187	187			
Available Energy (GWh)	FG						187	187	187
Generation (GWh)	2028	170	172	171					
Generation (GWh)	2030	175	177	176	172	174			
Generation (GWh)	FG						177	177	182
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-111- Surplus, Curtailment and Constraint for Wind priority for Node Reamore

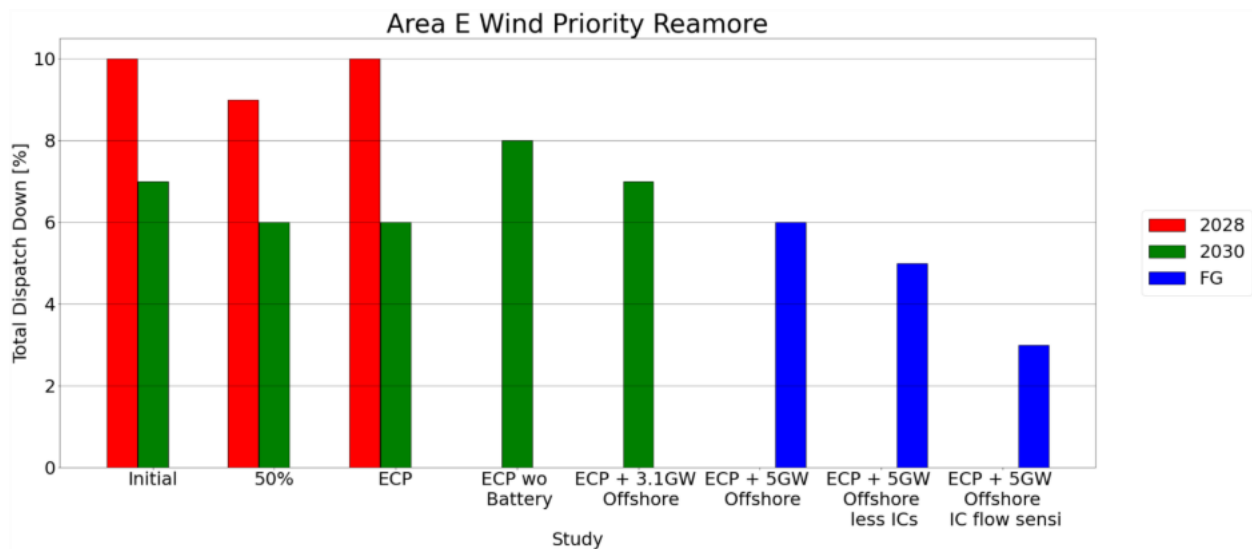


Figure 2-70- Total Dispatch Down for Wind priority for Node Reamore

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	58	
Installed Capacity (MW)	2030	58	58
Available Energy (GWh)	2028	189	
Available Energy (GWh)	2030	187	187
Generation (GWh)	2028	159	
Generation (GWh)	2030	169	159
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-112- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Reamore

2.29 Tralee

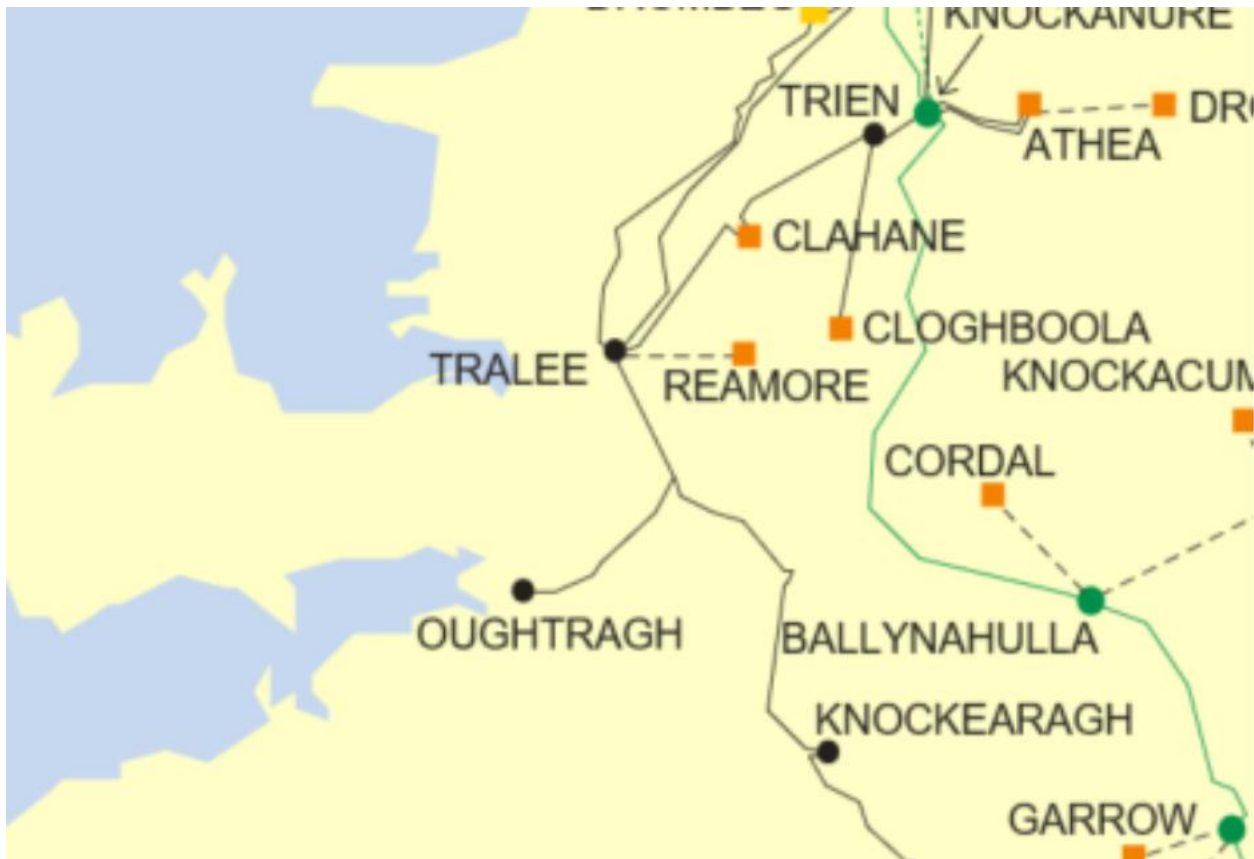


Figure 2-71 - Location of node Tralee

Generator	SO	Capacity	Type	Status
Ballincollig Hill (1)	DSO	15.0	wind priority	connected
Mount Eagle (1)	DSO	5.1	wind uncontrolled	connected
Tursillagh (2)	DSO	6.8	wind uncontrolled	connected
Tursillagh (1)	DSO	15.0	wind uncontrolled	connected
Beenageeha (1)	DSO	3.96	wind uncontrolled	connected
Mount Eagle (2)	DSO	1.7	wind uncontrolled	connected
Dromroe Solar	DSO	4.0	solar not priority	due to connected
Ballyenaghty Solar Park	DSO	9.9	solar not priority	due to connected
Sandford Energy Solar Farm Ext.	DSO	1.5	solar not priority	due to connected

Table 2-113 - Generation Included in Study for Node Tralee

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

Area E	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	15					
Installed Capacity (MW)	2030		8	15	15	15			
Installed Capacity (MW)	FG						15	15	15
Available Energy (GWh)	2028		9	18					
Available Energy (GWh)	2030		9	18	18	18			
Available Energy (GWh)	FG						18	18	18
Generation (GWh)	2028		7	13					
Generation (GWh)	2030		7	13	11	12			
Generation (GWh)	FG						13	12	14
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	31 %			
Surplus (%)	FG						23 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		4 %	2 %					
Constraint (%)	2030		1 %	0 %	0 %	0 %			
Constraint (%)	FG						3 %	1 %	1 %
Total Dispatch Down (%)	2028		21 %	31 %					
Total Dispatch Down (%)	2030		18 %	29 %	38 %	35 %			
Total Dispatch Down (%)	FG						28 %	33 %	20 %

Table 2-114 - Surplus, Curtailment and Constraint for Solar non-priority for Node Tralee

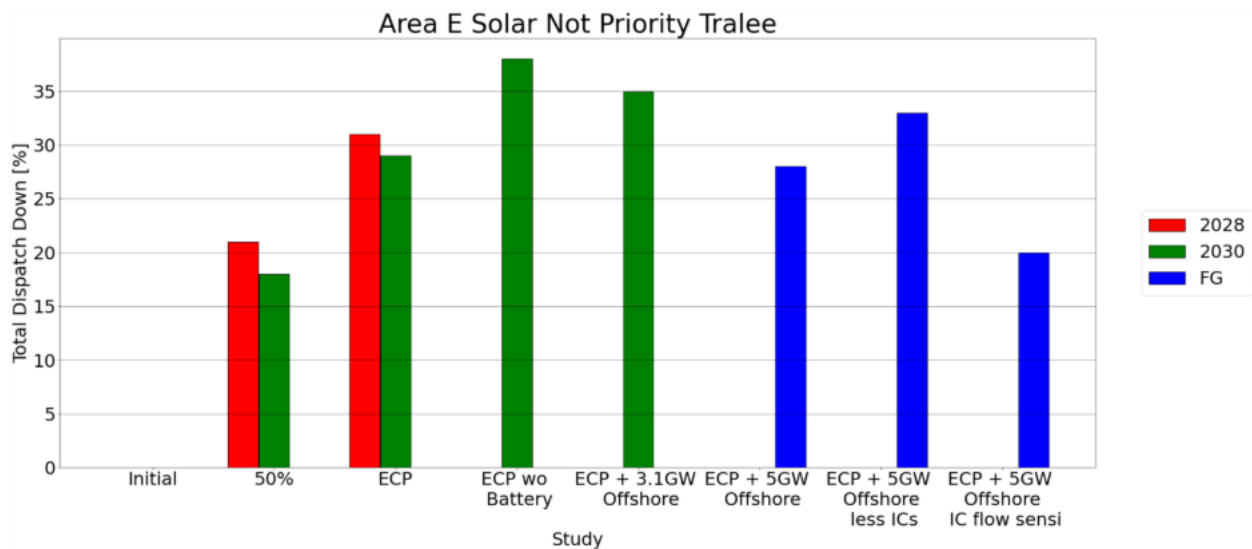


Figure 2-72- Total Dispatch Down for Solar not priority for Node Tralee

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	15	
Installed Capacity (MW)	2030	15	15
Available Energy (GWh)	2028	18	
Available Energy (GWh)	2030	18	18
Generation (GWh)	2028	13	
Generation (GWh)	2030	13	12
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	31 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	2 %	
Constraint (%)	2030	0 %	0 %
Total Dispatch Down (%)	2028	31 %	
Total Dispatch Down (%)	2030	29 %	35 %

Table 2-115 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Tralee

The wind priority data is given in the following table.

Area E	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	15	15	15					
Installed Capacity (MW)	2030	15	15	15	15	15			
Installed Capacity (MW)	FG						15	15	15
Available Energy (GWh)	2028	49	49	49					
Available Energy (GWh)	2030	49	49	49	49	49			
Available Energy (GWh)	FG						49	49	49
Generation (GWh)	2028	44	44	44					
Generation (GWh)	2030	45	46	46	45	45			
Generation (GWh)	FG						46	46	47
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	10 %	9 %	10 %					
Curtailment (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailment (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-116- Surplus, Curtailment and Constraint for Wind priority for Node Tralee

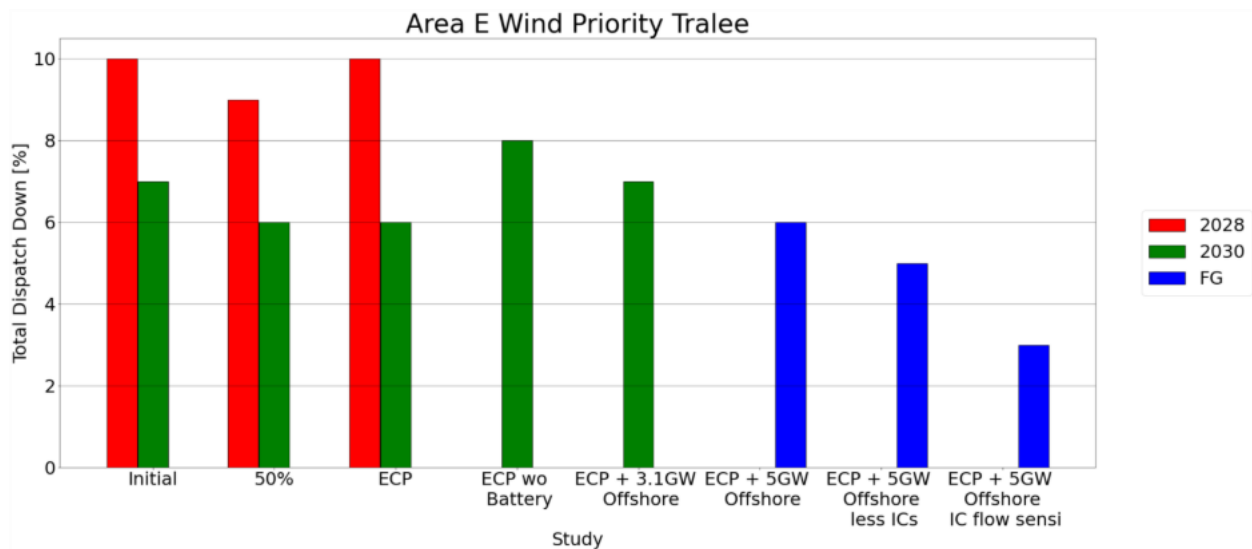


Figure 2-73 - Total Dispatch Down for Wind priority for Node Tralee

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	15	
Installed Capacity (MW)	2030	15	15
Available Energy (GWh)	2028	49	
Available Energy (GWh)	2030	49	49
Generation (GWh)	2028	41	
Generation (GWh)	2030	44	41
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-117 - Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Tralee

2.30 Trien



Figure 2-74- Location of node Trien

Generator	SO	Capacity	Type	Status
Tournafulla (1)	DSO	7.5	wind priority	connected
Knockawarriga (1)	DSO	22.5	wind priority	connected
Tournafulla (2)	DSO	17.2	wind priority	connected
Knockawarriga Extension (Glenduff & Caherlevoy)	DSO	6.6	wind not priority	connected
Beale Hill (2)	DSO	2.55	wind uncontrolled	connected
Beale Hill (1)	DSO	1.65	wind uncontrolled	connected
Beale Hill (3)	DSO	1.3	wind uncontrolled	connected
Ballagh (1)	DSO	4.6	wind uncontrolled	connected
Gortnacloghy Wind Farm	DSO	4.4	wind uncontrolled	connected
Curraghderrig (1)	DSO	4.5	wind uncontrolled	connected

Table 2-118- Generation Included in Study for Node Trien

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

Area E	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	22	22	22					
Available Energy (GWh)	2030	21	21	21	21	21			
Available Energy (GWh)	FG						21	21	21
Generation (GWh)	2028	5	11	11					
Generation (GWh)	2030	14	13	12	11	7			
Generation (GWh)	FG						11	11	15
Surplus (%)	2028	16 %	21 %	26 %					
Surplus (%)	2030	12 %	22 %	28 %	33 %	41 %			
Surplus (%)	FG						32 %	37 %	20 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	53 %	25 %	18 %					
Constraint (%)	2030	19 %	12 %	11 %	13 %	23 %			
Constraint (%)	FG						14 %	11 %	7 %
Total Dispatch Down (%)	2028	75 %	51 %	48 %					
Total Dispatch Down (%)	2030	36 %	37 %	42 %	50 %	66 %			
Total Dispatch Down (%)	FG						48 %	50 %	29 %

Table 2-119- Surplus, Curtailment and Constraint for Wind non-priority for Node Trien

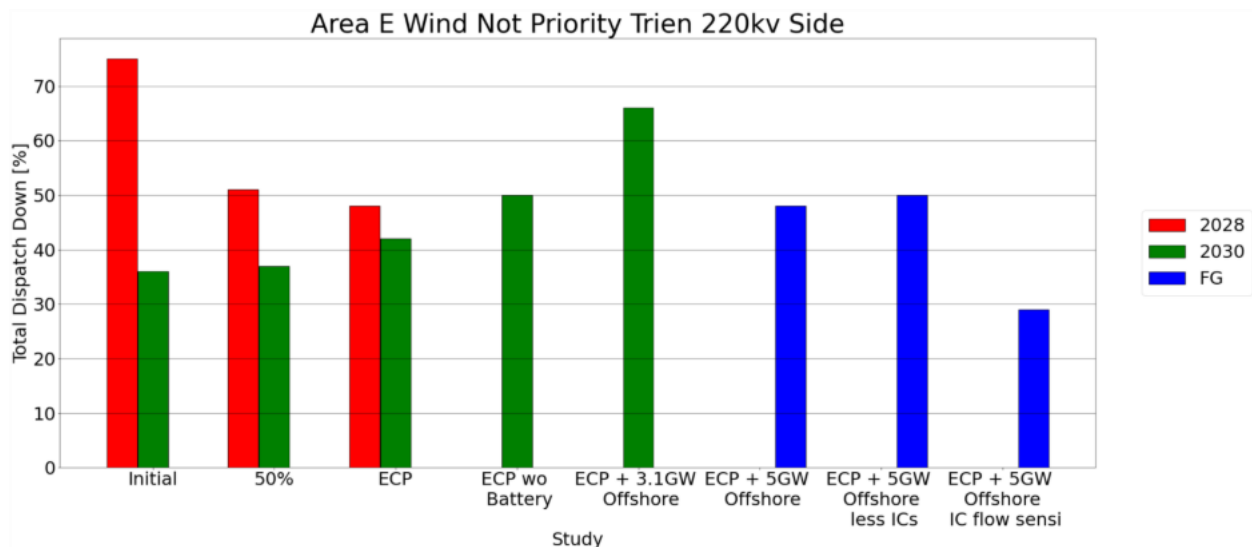


Figure 2-75- Total Dispatch Down for Wind not priority for Node Trien

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	7	
Installed Capacity (MW)	2030	7	7
Available Energy (GWh)	2028	22	
Available Energy (GWh)	2030	21	21
Generation (GWh)	2028	14	
Generation (GWh)	2030	14	10
Surplus (%)	2028	26 %	
Surplus (%)	2030	28 %	41 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	37 %	
Total Dispatch Down (%)	2030	35 %	51 %

Table 2-120- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Trien

The wind priority data is given in the following table.

Area E	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	47	47	47					
Installed Capacity (MW)	2030	47	47	47	47	47			
Installed Capacity (MW)	FG						47	47	47
Available Energy (GWh)	2028	154	154	154					
Available Energy (GWh)	2030	153	153	153	153	153			
Available Energy (GWh)	FG						153	153	153
Generation (GWh)	2028	139	140	139					
Generation (GWh)	2030	143	144	144	140	142			
Generation (GWh)	FG						144	145	149
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	10 %	9 %	10 %					
Curtailement (%)	2030	7 %	6 %	6 %	8 %	7 %			
Curtailement (%)	FG						6 %	5 %	3 %
Constraint (%)	2028	0 %	0 %	0 %					
Constraint (%)	2030	0 %	0 %	0 %	0 %	0 %			
Constraint (%)	FG						0 %	0 %	0 %
Total Dispatch Down (%)	2028	10 %	9 %	10 %					
Total Dispatch Down (%)	2030	7 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-121 - Surplus, Curtailement and Constraint for Wind priority for Node Trien

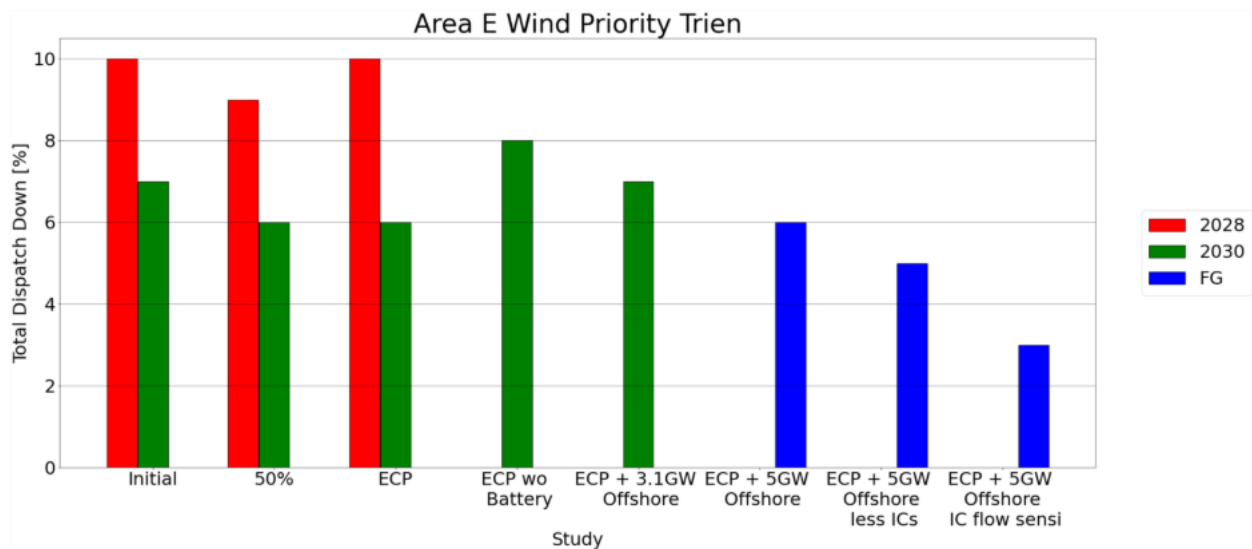


Figure 2-76- Total Dispatch Down for Wind priority for Node Trien

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

Area E	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	47	
Installed Capacity (MW)	2030	47	47
Available Energy (GWh)	2028	154	
Available Energy (GWh)	2030	153	153
Generation (GWh)	2028	129	
Generation (GWh)	2030	138	130
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	10 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	4 %	8 %
Total Dispatch Down (%)	2028	16 %	
Total Dispatch Down (%)	2030	10 %	15 %

Table 2-122- Surplus, Curtailement and Constraint for Wind priority with sensitivity for Node Trien