

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

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

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Table of Contents

Disclaimer	3
1 Overview for Area C	5
1.1 Introduction	6
1.2 Key Summary	6
1.3 Generation Overview	6
1.4 Subgroups	8
1.5 Area C - Summary Results	10
1.5.1 Non-priority Solar Results for C	11
1.5.2 Non-priority Wind Results for C	13
1.5.3 Priority Wind Results for C	15
1.5.4 Non-priority Solar Results for J Country	17
1.5.5 Non-priority Wind Results for J Country	19
2 Area C Node Results	21
2.1 Athlone	22
2.2 Carrick on shannon	27
2.3 Cregg	32
2.4 Dallow	35
2.5 Derrycarney	40
2.6 Lanesboro	45
2.7 Mullingar	50
2.8 Richmond	55
2.9 Shannonbridge	60
2.10 Shanonagh	63
2.11 Sliabh bawn	66
2.12 Somerset	69
2.13 Stonestown	72

1 Overview for Area C



Figure 1-1 Network Map for Area C

Area C, in the middle of the country, includes a mix of wind and solar generation. The counties that are covered in this area include Roscommon, Leitrim (partial), Galway (partial), Westmeath (partial) and Offaly (partial). The transmission network in Area C and the surrounding area is shown in Figure 1-1. The 400 kV circuits are shown in red, the 220 kV circuits 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 C. For information on the study assumptions, methodology and Ireland summary report refer to the ECP webpage¹. This document contains two main sections:

Section 1: An overview of the estimated surplus, curtailment, and constraint values for Area C for a range of scenarios. There are 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 C 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 C.

1.2 Key Summary

For Area C, the dominant power flows tend to be 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 C 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 may increase constraints in Area C.

In addition to the power flows out of Area C, there are also power flows across or through Area C. Renewable power from the west and northwest will flow across the transmission network and at least some of this power will flow through Area C. Also, the power flowing out of Area C meets and joins with power flows from other areas, as the power flows towards east region.

In Area C, during the high renewable energy scenarios, the power flow from Arigna to Carrick on Shannon and power flow from Shannonbridge to Dallow become two major bottlenecks in this area. Other contingencies of significance affecting Area C involve the loss of 220 kV circuits from Flagford. Another major issue in Area C is with respect to the Lanesboro busbar rating. This is improved in the 2030 scenario with Lanesboro station work.

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

Node	SO	Status	Solar	Wind
Athlone	DSO	due to connected	63	
Athlone	TSO	due to connected	80	
Athlone	DSO	due to connected		5
Athlone	TSO	due to connected		122

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))

Athlone	DSO	connected		1
Carrick On Shannon	DSO	due to connected	25	
Carrick On Shannon	DSO	due to connected		
Carrick On Shannon	DSO	due to connected		7
Cregg	TSO	due to connected	75	
Dallow	DSO	due to connected		5
Dallow	TSO	due to connected		58
Dallow	DSO	connected		10
Dallow	DSO	connected		11
Derrycarney	TSO	due to connected	444	
Derrycarney	TSO	connected		34
Lanesboro	DSO	due to connected	4	
Lanesboro	TSO	due to connected	57	
Lanesboro	DSO	due to connected		9
Lanesboro	TSO	due to connected		90
Lanesboro	DSO	connected		5
Mullingar	DSO	connected	4	
Mullingar	DSO	due to connected	25	
Mullingar	TSO	due to connected		98
Richmond	DSO	connected	4	
Richmond	DSO	due to connected	27	
Richmond	DSO	due to connected		4
Shannonbridge	TSO	due to connected	65	
Shanonagh	TSO	due to connected	200	
Sliabh Bawn	TSO	connected		58
Somerset	DSO	due to connected	8	
Somerset	TSO	due to connected	90	
Somerset	DSO	connected		8
Stonestown	TSO	connected		105
Total			1171	630

Table 1-1 Wind and Solar Generation Summary (MW) in Area C 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 C (MW)	1171	1171	1171	1171	1171
Installed Controllable Area C (MW)	1171	1171	1171	1171	1171
Available Controllable Area C (GWh)	1500	1500	1500	1500	1500

Table 1-2- Installed MW and Available GWh for Area C - 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 C (MW)	630	630	630	630	630
Installed Controllable Area C (MW)	605	605	605	605	605
Available Controllable Area C (GWh)	1943	1943	1943	1943	1943

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

Flagford 220 kV station and Carrick on Shannon are considered a part of the C subgroup as these nodes are a major power flow path for Area A and Area B North towards east.

Cashla, Cloon and Shantallow nodes, however, are considered in the Area C subgroup as they are well connected to Area C nodes and do not share a bottleneck to Area B.

The Mullingar station is included as a part of the J Country subgroup as the major contingency affecting this node is the loss of the parallel circuits in Area J.

Analysis of Area C identified a constraint subgroup for solar and wind generation spanning the majority of Area C, and the southeast section of Area B. The subgroup is collectively called C subgroup and the nodes in Area C that are included in this subgroup are given in Table 1-4. The constraints are shared on a pro-rata basis amongst the non-priority generators in the subgroup ahead of priority generators. The individual node level dispatch down is given in Section 2.

Subgroup	Nodes
C	Athlone
	Carrick on Shannon
	Cregg
	Dallow
	Derrycarney
	Lanesboro
	Richmond
	Shannonbridge
	Sliabh Bawn
	Somerset
	Stonestown
J Country	Mullingar
	Shanonagh

Table 1-4 Area C generators nodes and their subgroups

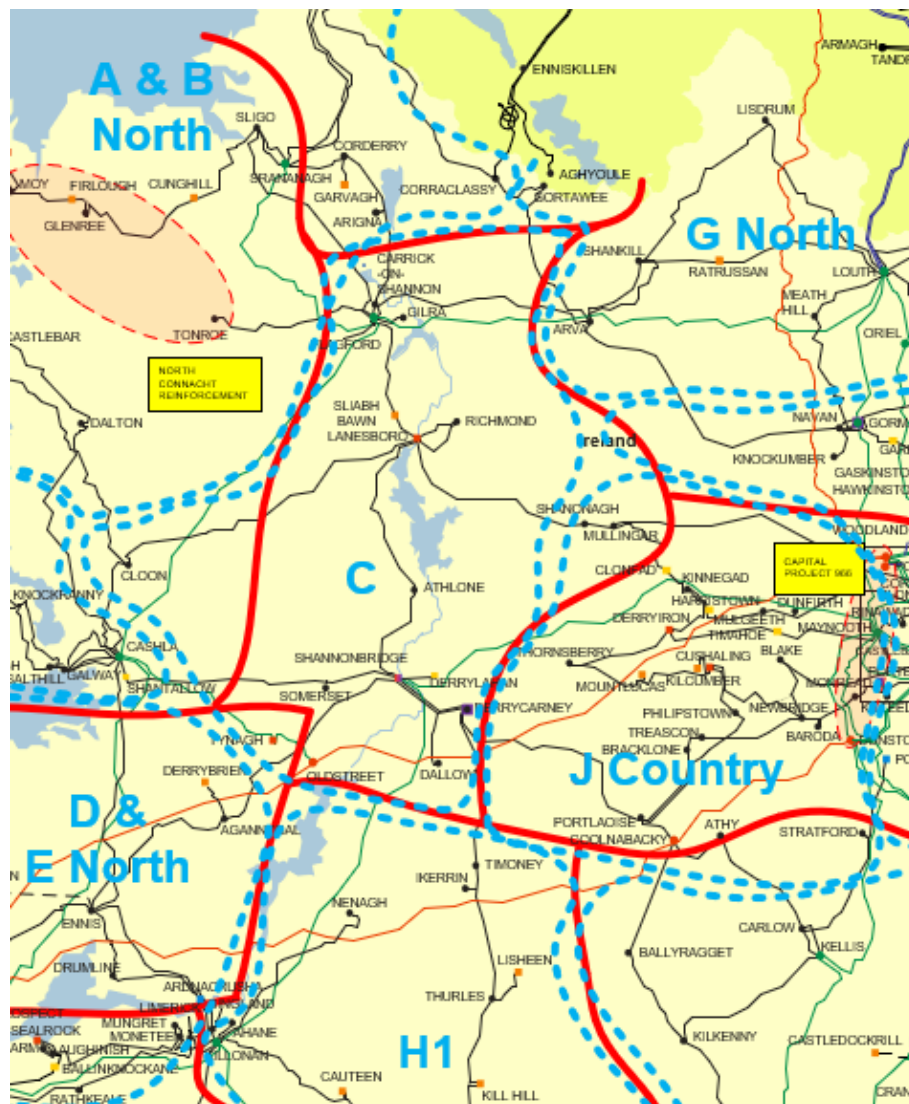


Figure 1-2 Subgroups C, J Country and H1 (subgroups outlined by blue dashed line)

1.5 Area C - Summary Results

The Total Dispatch Down results for Area C are provided below in Table 1-5 to Table 1-14 and Figure 1-3 to Figure 1-7. These include the breakdown between surplus, curtailment, and constraint. The Table 1-6, Table 1-8, Table 1-10, Table 1-12 and Table 1-14 gives the results of constraint sensitivity scenario. The Total Dispatch Down percentages are based on the total available energy. The Total Dispatch Down is the sum of surplus, curtailment, and constraint. The node level breakdown of surplus, curtailment and constraint are given in Section 2. The results show that the system level Total Dispatch Down increases with additional installed capacity due to a significant increase in surplus. However, the Total Dispatch Down reduces when the 2030 studies are compared with 2028 and there is a further reduction in the Future Grid scenario owing to increased demand, network reinforcement, interconnection, and relaxed system level operational limits.

For each generation type in Area C (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 1-14. 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 C

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

Area C (C)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	16	479	942					
Installed Capacity (MW)	2030	16	479	942	942	942			
Installed Capacity (MW)	FG						942	942	942
Available Energy (GWh)	2028	21	615	1209					
Available Energy (GWh)	2030	21	614	1207	1207	1207			
Available Energy (GWh)	FG						1207	1207	1207
Generation (GWh)	2028	18	498	790					
Generation (GWh)	2030	18	499	798	708	744			
Generation (GWh)	FG						819	771	885
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	2 %	2 %	6 %					
Constraint (%)	2030	0 %	1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028	14 %	19 %	35 %					
Total Dispatch Down (%)	2030	11 %	19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

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

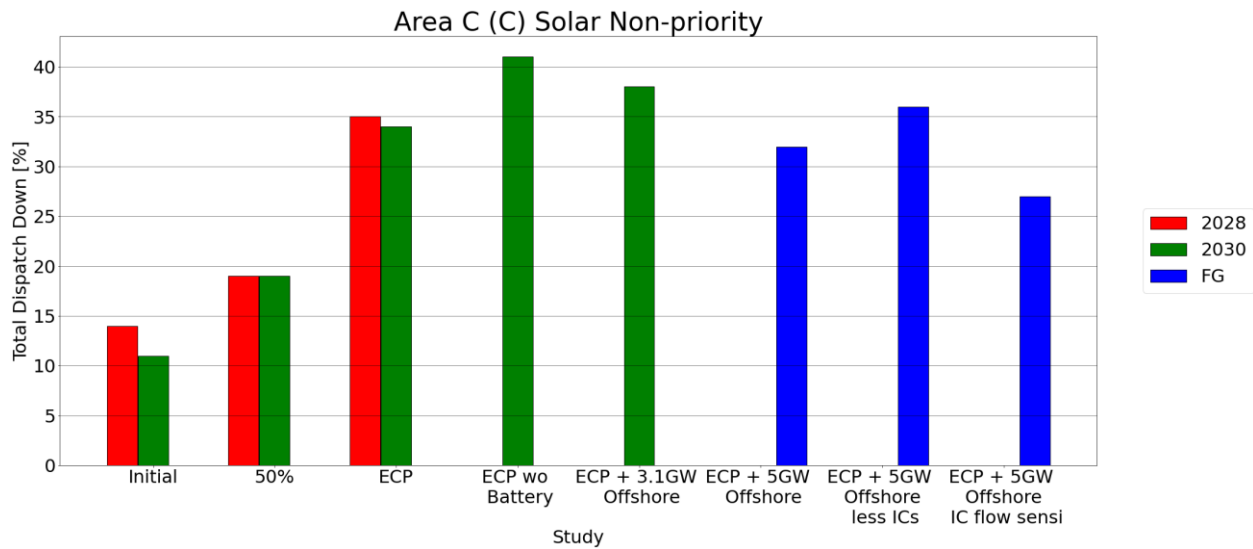


Figure 1-3- Results Solar Non-priority Area C (C)

Area C (C)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	942	
Installed Capacity (MW)	2030	942	942
Available Energy (GWh)	2028	1209	
Available Energy (GWh)	2030	1207	1207
Generation (GWh)	2028	790	
Generation (GWh)	2030	798	744
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

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

1.5.2 Non-priority Wind Results for C

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

Area C (C)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	139	289	440					
Installed Capacity (MW)	2030	139	289	440	440	440			
Installed Capacity (MW)	FG						440	440	440
Available Energy (GWh)	2028	448	934	1419					
Available Energy (GWh)	2030	446	929	1412	1412	1412			
Available Energy (GWh)	FG						1412	1412	1412
Generation (GWh)	2028	286	636	927					
Generation (GWh)	2030	371	704	984	894	815			
Generation (GWh)	FG						928	856	1082
Surplus (%)	2028	15 %	19 %	25 %					
Surplus (%)	2030	11 %	20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	15 %	8 %	5 %					
Constraint (%)	2030	1 %	1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028	36 %	32 %	35 %					
Total Dispatch Down (%)	2030	17 %	24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

Table 1-7- Surplus, Curtailment and Constraint for Wind Non-priority in Area C (C)

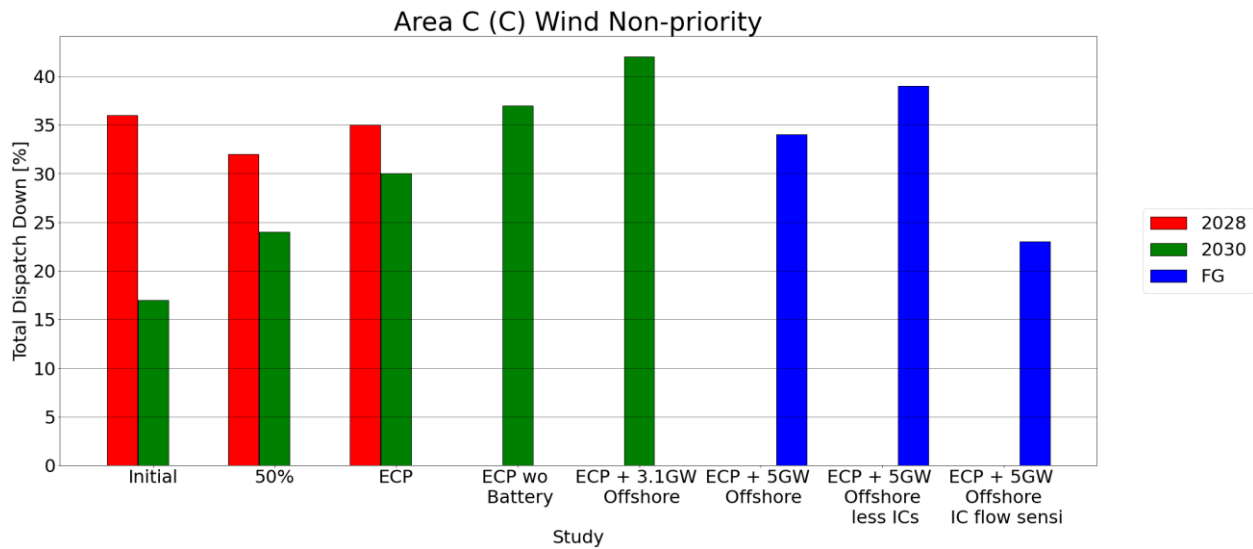


Figure 1-4- Results Wind Non-priority Area C (C)

Area C (C)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	440	
Installed Capacity (MW)	2030	440	440
Available Energy (GWh)	2028	1419	
Available Energy (GWh)	2030	1412	1412
Generation (GWh)	2028	936	
Generation (GWh)	2030	985	815
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailment (%)	2028	5 %	
Curtailment (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

Table 1-8- Surplus, Curtailment and Constraint for Wind Non-priority with Sensitivity in Area C (C)

1.5.3 Priority Wind Results for C

The wind priority data is given in the following table.

Area C (C)	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	68	68	68					
Installed Capacity (MW)	2030	68	68	68	68	68			
Installed Capacity (MW)	FG						68	68	68
Available Energy (GWh)	2028	219	219	219					
Available Energy (GWh)	2030	218	218	218	218	218			
Available Energy (GWh)	FG						218	218	218
Generation (GWh)	2028	199	200	199					
Generation (GWh)	2030	204	206	206	200	203			
Generation (GWh)	FG						206	207	212
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	9 %	9 %	9 %					
Curtailement (%)	2030	6 %	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	9 %	9 %	9 %					
Total Dispatch Down (%)	2030	6 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

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

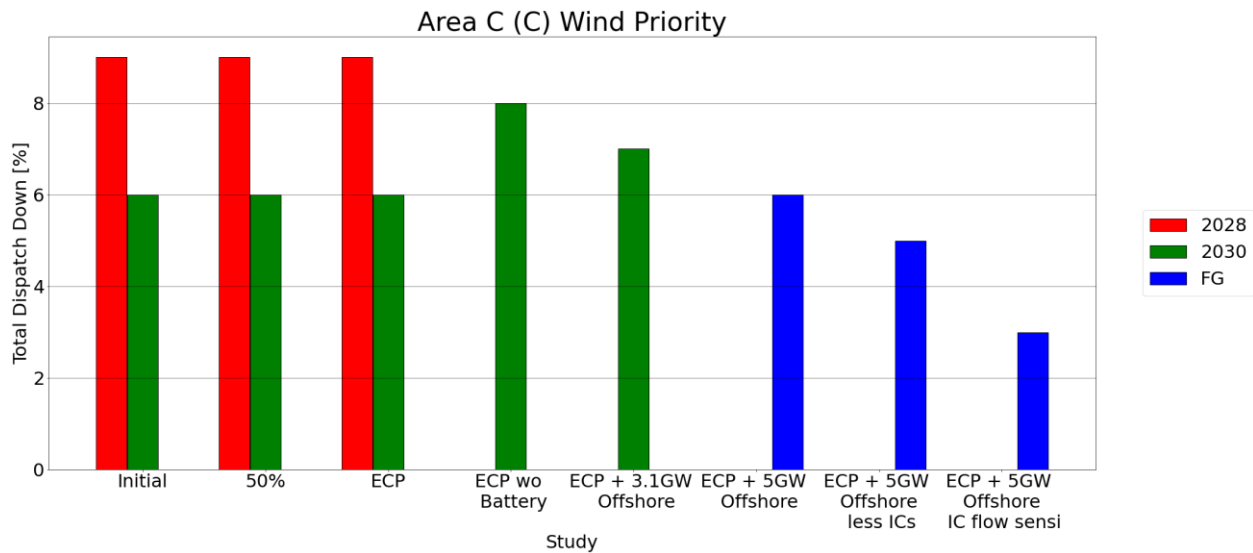


Figure 1-5- Results Wind Priority Area C (C)

Area C (C)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	68	
Installed Capacity (MW)	2030	68	68
Available Energy (GWh)	2028	219	
Available Energy (GWh)	2030	218	218
Generation (GWh)	2028	189	
Generation (GWh)	2030	204	202
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	9 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	14 %	
Total Dispatch Down (%)	2030	7 %	7 %

Table 1-10- Surplus, Curtailement and Constraint for Wind Priority with Sensitivity in Area C (C)

1.5.4 Non-priority Solar Results for J Country

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

Area C (J Country)	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	118	229					
Installed Capacity (MW)	2030	8	118	229	229	229			
Installed Capacity (MW)	FG						229	229	229
Available Energy (GWh)	2028	10	152	294					
Available Energy (GWh)	2030	10	152	293	293	293			
Available Energy (GWh)	FG						293	293	293
Generation (GWh)	2028	9	62	86					
Generation (GWh)	2030	9	87	129	100	125			
Generation (GWh)	FG						135	133	149
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	5 %	43 %	42 %					
Constraint (%)	2030	2 %	26 %	28 %	29 %	23 %			
Constraint (%)	FG						29 %	23 %	29 %
Total Dispatch Down (%)	2028	17 %	59 %	71 %					
Total Dispatch Down (%)	2030	13 %	43 %	56 %	66 %	57 %			
Total Dispatch Down (%)	FG						54 %	55 %	49 %

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

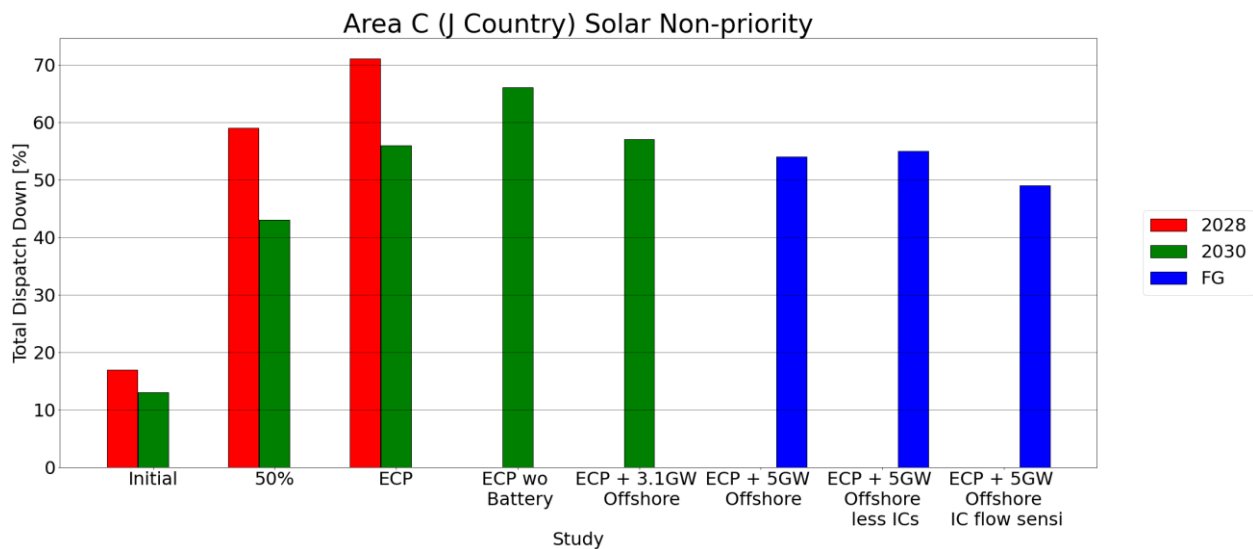


Figure 1-6- Results Solar Non-priority Area C (J Country)

Area C (J Country)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	229	
Installed Capacity (MW)	2030	229	229
Available Energy (GWh)	2028	294	
Available Energy (GWh)	2030	293	293
Generation (GWh)	2028	86	
Generation (GWh)	2030	129	125
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	42 %	
Constraint (%)	2030	28 %	23 %
Total Dispatch Down (%)	2028	71 %	
Total Dispatch Down (%)	2030	56 %	57 %

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

1.5.5 Non-priority Wind Results for J Country

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

Area C (J Country)	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		49	98					
Installed Capacity (MW)	2030		49	98	98	98			
Installed Capacity (MW)	FG						98	98	98
Available Energy (GWh)	2028		157	315					
Available Energy (GWh)	2030		156	313	313	313			
Available Energy (GWh)	FG						313	313	313
Generation (GWh)	2028		67	99					
Generation (GWh)	2030		86	157	148	159			
Generation (GWh)	FG						184	179	215
Surplus (%)	2028		19 %	25 %					
Surplus (%)	2030		20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		33 %	39 %					
Constraint (%)	2030		21 %	20 %	17 %	7 %			
Constraint (%)	FG						8 %	5 %	10 %
Total Dispatch Down (%)	2028		57 %	69 %					
Total Dispatch Down (%)	2030		45 %	50 %	53 %	49 %			
Total Dispatch Down (%)	FG						41 %	43 %	31 %

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

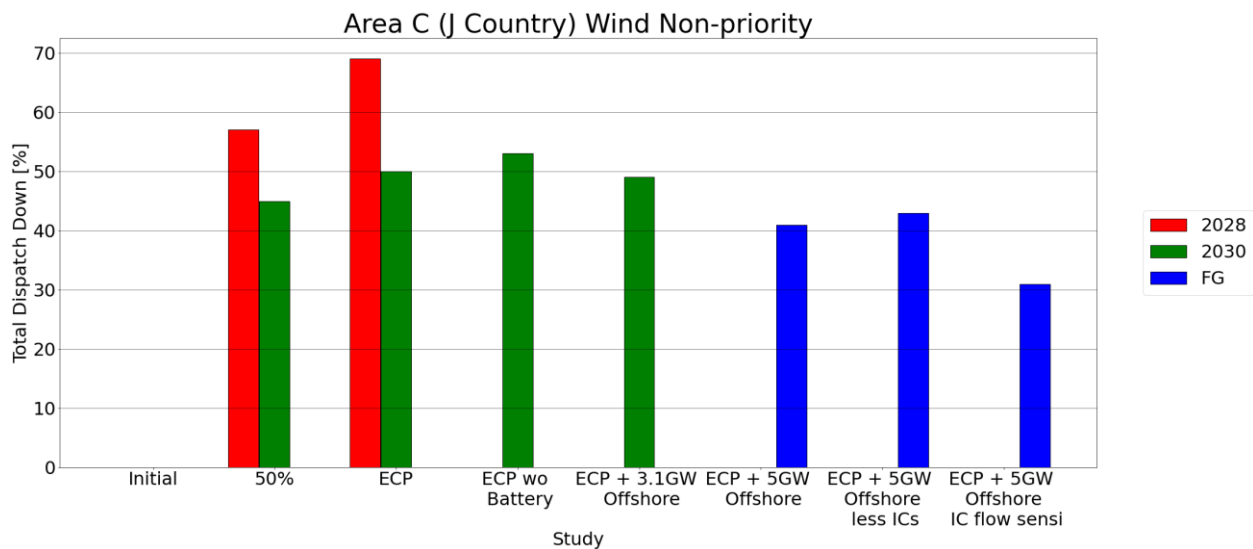


Figure 1-7 - Results Wind Non-priority Area C (J Country)

Area C (J Country)	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	98	
Installed Capacity (MW)	2030	98	98
Available Energy (GWh)	2028	315	
Available Energy (GWh)	2030	313	313
Generation (GWh)	2028	110	
Generation (GWh)	2030	163	161
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	36 %	
Constraint (%)	2030	18 %	7 %
Total Dispatch Down (%)	2028	65 %	
Total Dispatch Down (%)	2030	48 %	49 %

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

2 Area C Node Results

This section presents results for 13 nodes in Area C.

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 Athlone, 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 Athlone



Figure 2-1 - Location of node Athlone

Generator	SO	Capacity	Type	Status
Shannagh Beg Solar Farm	DSO	4.0	solar not priority	due to connected
Clooncon East Single WTG	DSO	0.9	wind uncontrolled	connected
Rooaun Solar	DSO	4.0	solar not priority	due to connected
Cuilmore Solar Park	DSO	40.0	solar not priority	due to connected
Taduff Solar Park	TSO	80.0	solar not priority	due to connected
Seven Hills Wind Farm	TSO	122.4	wind not priority	due to connected
Moat Solar	DSO	10.0	solar not priority	due to connected
Derrylough WF	DSO	4.99	wind not priority	due to connected
Derryveagh solar	DSO	4.99	solar not priority	due to connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		71	143					
Installed Capacity (MW)	2030		71	143	143	143			
Installed Capacity (MW)	FG						143	143	143
Available Energy (GWh)	2028		92	183					
Available Energy (GWh)	2030		92	183	183	183			
Available Energy (GWh)	FG						183	183	183
Generation (GWh)	2028		74	120					
Generation (GWh)	2030		74	121	107	113			
Generation (GWh)	FG						124	117	134
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

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

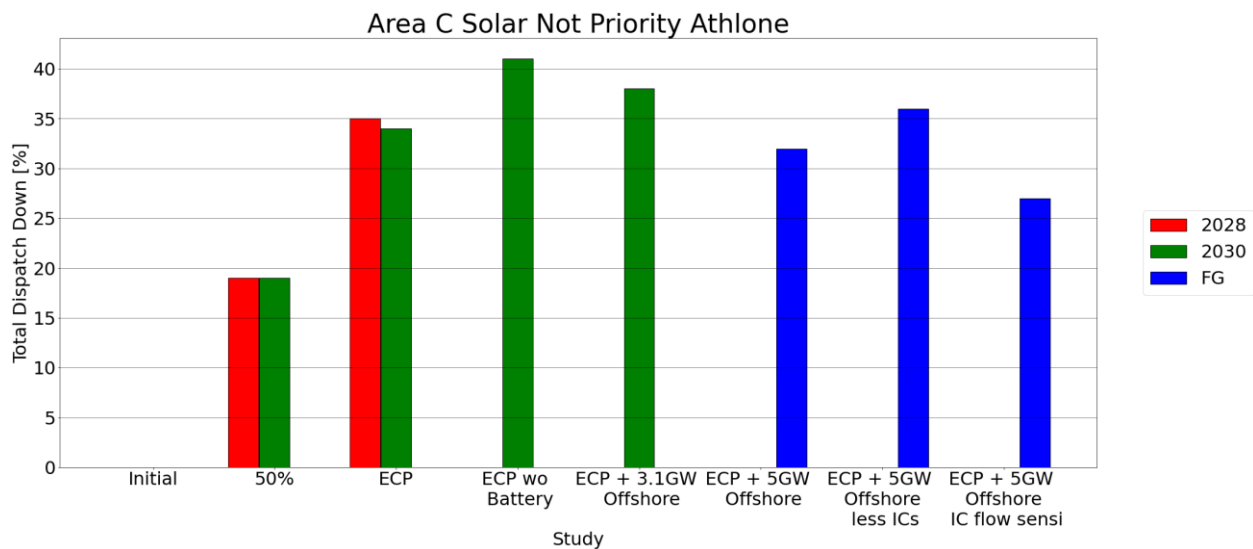


Figure 2-2 - Total Dispatch Down for Solar not priority for Node Athlone

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	143	
Installed Capacity (MW)	2030	143	143
Available Energy (GWh)	2028	183	
Available Energy (GWh)	2030	183	183
Generation (GWh)	2028	120	
Generation (GWh)	2030	121	113
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-3- Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Athlone

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		64	127					
Installed Capacity (MW)	2030		64	127	127	127			
Installed Capacity (MW)	FG						127	127	127
Available Energy (GWh)	2028		205	411					
Available Energy (GWh)	2030		204	409	409	409			
Available Energy (GWh)	FG						409	409	409
Generation (GWh)	2028		140	268					
Generation (GWh)	2030		155	285	259	236			
Generation (GWh)	FG						269	248	313
Surplus (%)	2028		19 %	25 %					
Surplus (%)	2030		20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		8 %	5 %					
Constraint (%)	2030		1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028		32 %	35 %					
Total Dispatch Down (%)	2030		24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

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

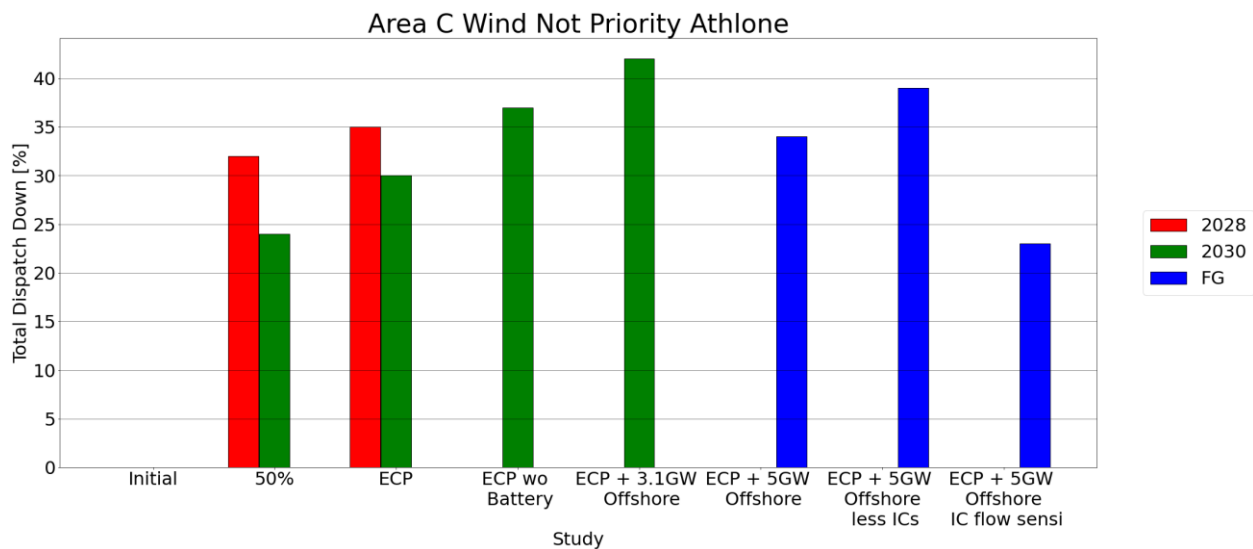


Figure 2-3- Total Dispatch Down for Wind not priority for Node Athlone

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	127	
Installed Capacity (MW)	2030	127	127
Available Energy (GWh)	2028	411	
Available Energy (GWh)	2030	409	409
Generation (GWh)	2028	271	
Generation (GWh)	2030	285	236
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

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

2.2 Carrick on Shannon

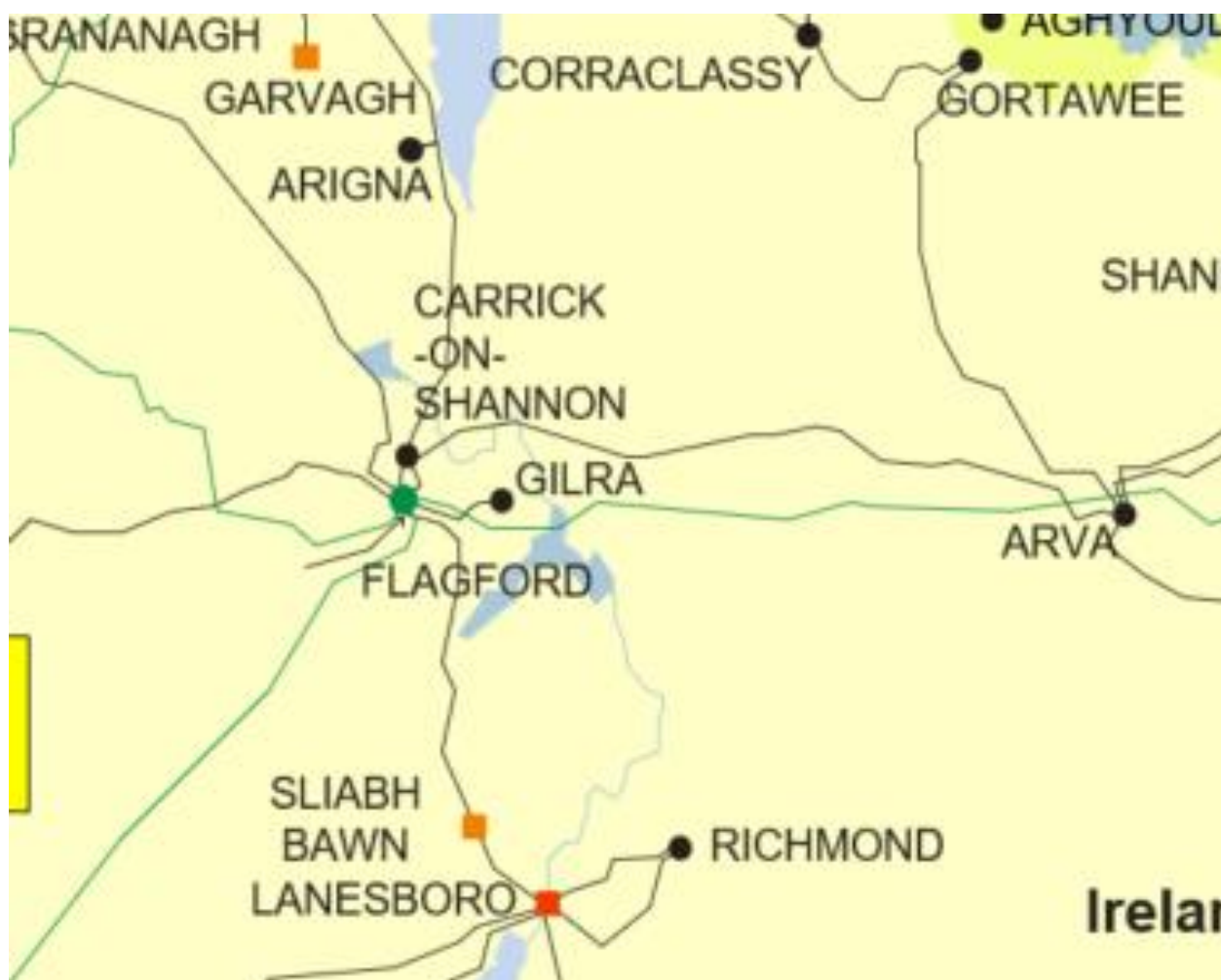


Figure 2-4- Location of node Carrick on shannon

Generator	SO	Capacity	Type	Status
Rathleg Solar Farm	DSO	4.0	solar not priority	due to connected
Lissavilla Polecat Solar	DSO	0.14	solar uncontrolled	due to connected
Polecat Community PV	DSO	4.99	solar not priority	due to connected
Leam Windfarm	DSO	6.9	wind not priority	due to connected
Ardass Solar Ext.	DSO	4.99	solar not priority	due to connected
Ardass Solar	DSO	4.99	solar not priority	due to connected
Extension Maothail Solar	DSO	6.0	solar not priority	due to connected

Table 2-6- Generation Included in Study for Node Carrick on shannon

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		12	25					
Installed Capacity (MW)	2030		12	25	25	25			
Installed Capacity (MW)	FG						25	25	25
Available Energy (GWh)	2028		16	32					
Available Energy (GWh)	2030		16	32	32	32			
Available Energy (GWh)	FG						32	32	32
Generation (GWh)	2028		13	21					
Generation (GWh)	2030		13	21	19	20			
Generation (GWh)	FG						22	20	23
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-7 - Surplus, Curtailement and Constraint for Solar non-priority for Node Carrick on shannon

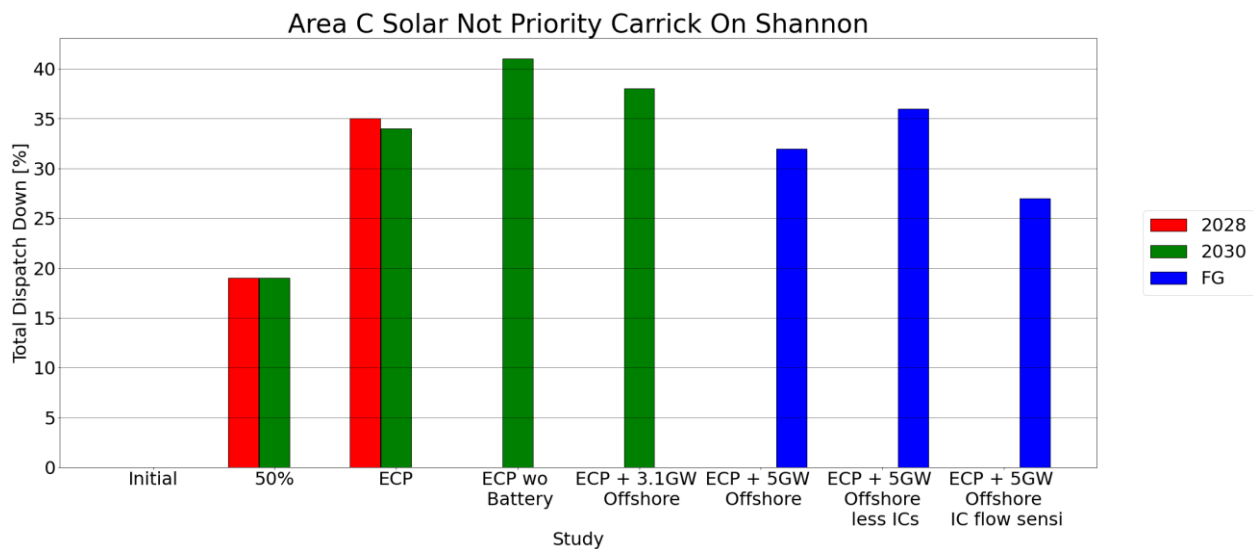


Figure 2-5 - Total Dispatch Down for Solar not priority for Node Carrick on Shannon

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	25	
Installed Capacity (MW)	2030	25	25
Available Energy (GWh)	2028	32	
Available Energy (GWh)	2030	32	32
Generation (GWh)	2028	21	
Generation (GWh)	2030	21	20
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		3	7					
Installed Capacity (MW)	2030		3	7	7	7			
Installed Capacity (MW)	FG						7	7	7
Available Energy (GWh)	2028		11	22					
Available Energy (GWh)	2030		11	22	22	22			
Available Energy (GWh)	FG						22	22	22
Generation (GWh)	2028		8	15					
Generation (GWh)	2030		8	15	14	13			
Generation (GWh)	FG						15	13	17
Surplus (%)	2028		19 %	25 %					
Surplus (%)	2030		20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		8 %	5 %					
Constraint (%)	2030		1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028		32 %	35 %					
Total Dispatch Down (%)	2030		24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

Table 2-9- Surplus, Curtailement and Constraint for Wind non-priority for Node Carrick on shannon

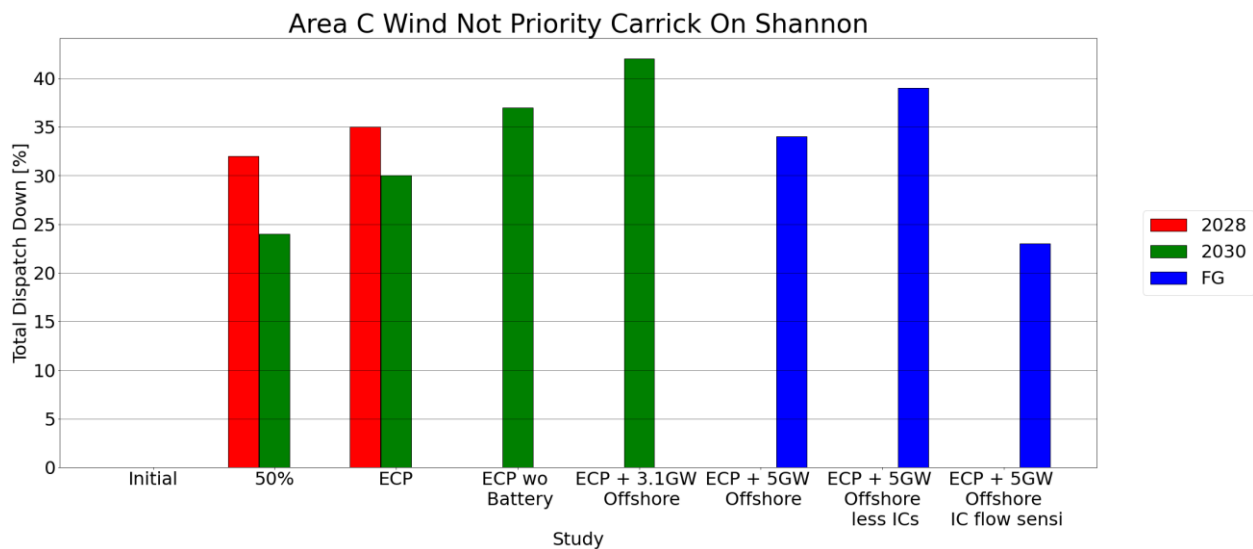


Figure 2-6- Total Dispatch Down for Wind not priority for Node Carrick on shannon

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

Area C	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	22	22
Generation (GWh)	2028	15	
Generation (GWh)	2030	15	13
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

Table 2-10 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Carrick on shannon

2.3 Cregg

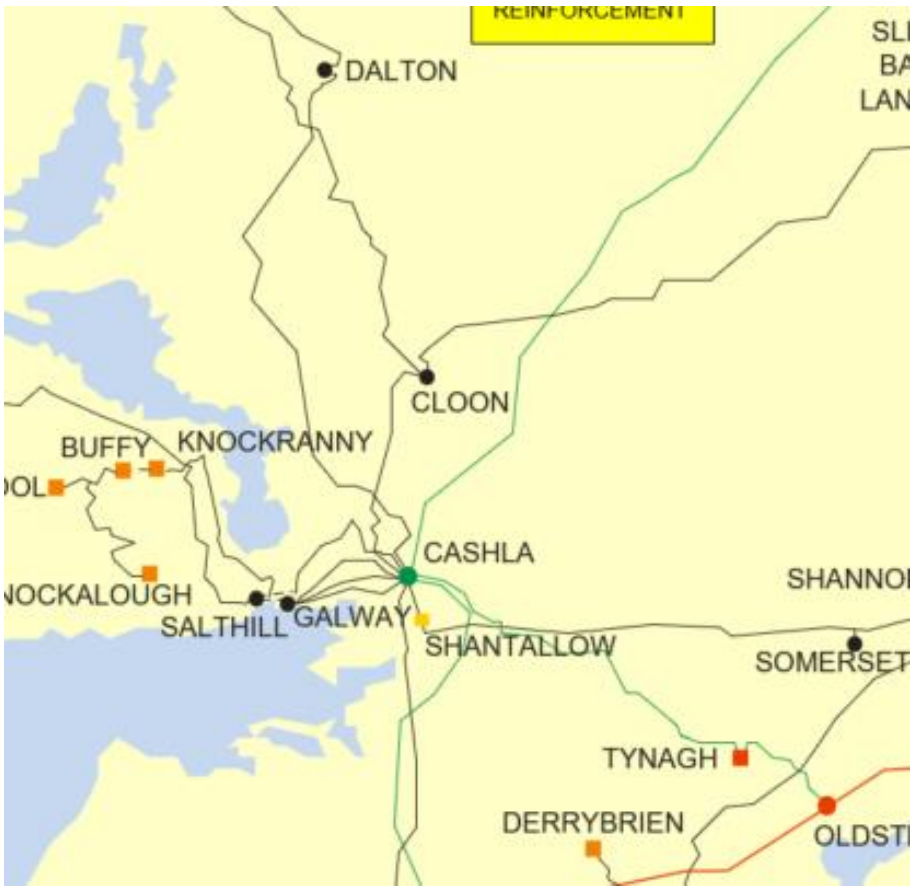


Figure 2-7- Location of node Cregg

Generator	SO	Capacity	Type	Status
Cregg Solar	TSO	75.0	solar not priority	due to connected

Table 2-11- Generation Included in Study for Node Cregg

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		38	75					
Installed Capacity (MW)	2030		38	75	75	75			
Installed Capacity (MW)	FG						75	75	75
Available Energy (GWh)	2028		48	96					
Available Energy (GWh)	2030		48	96	96	96			
Available Energy (GWh)	FG						96	96	96
Generation (GWh)	2028		39	63					
Generation (GWh)	2030		39	64	56	59			
Generation (GWh)	FG						65	61	70
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-12 - Surplus, Curtailement and Constraint for Solar non-priority for Node Cregg

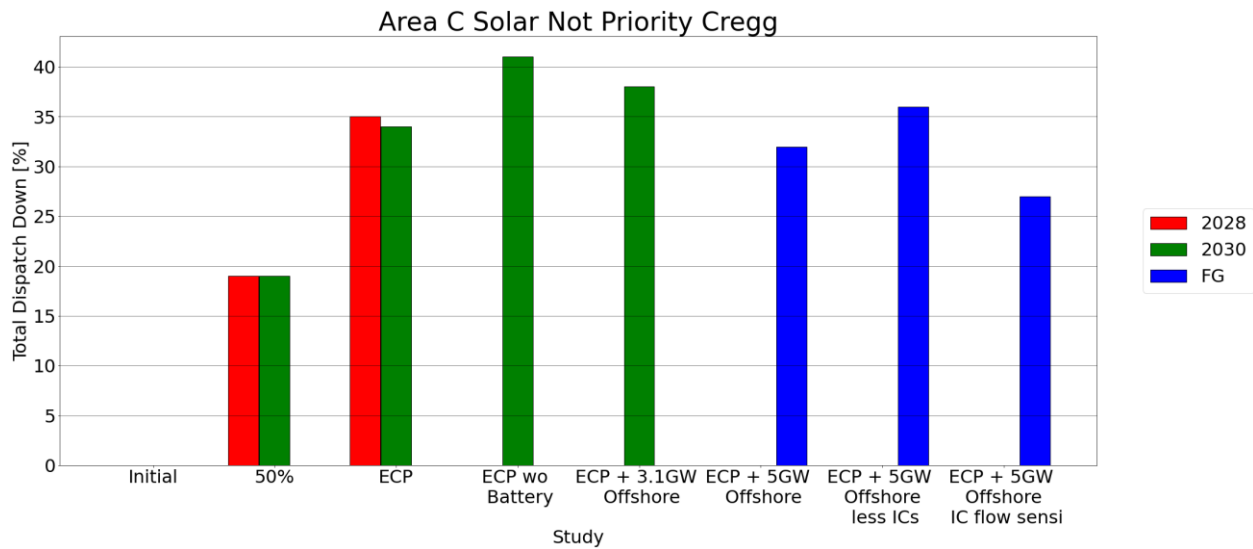


Figure 2-8 - Total Dispatch Down for Solar not priority for Node Cregg

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	75	
Installed Capacity (MW)	2030	75	75
Available Energy (GWh)	2028	96	
Available Energy (GWh)	2030	96	96
Generation (GWh)	2028	63	
Generation (GWh)	2030	64	59
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-13 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Cregg

2.4 Dallow

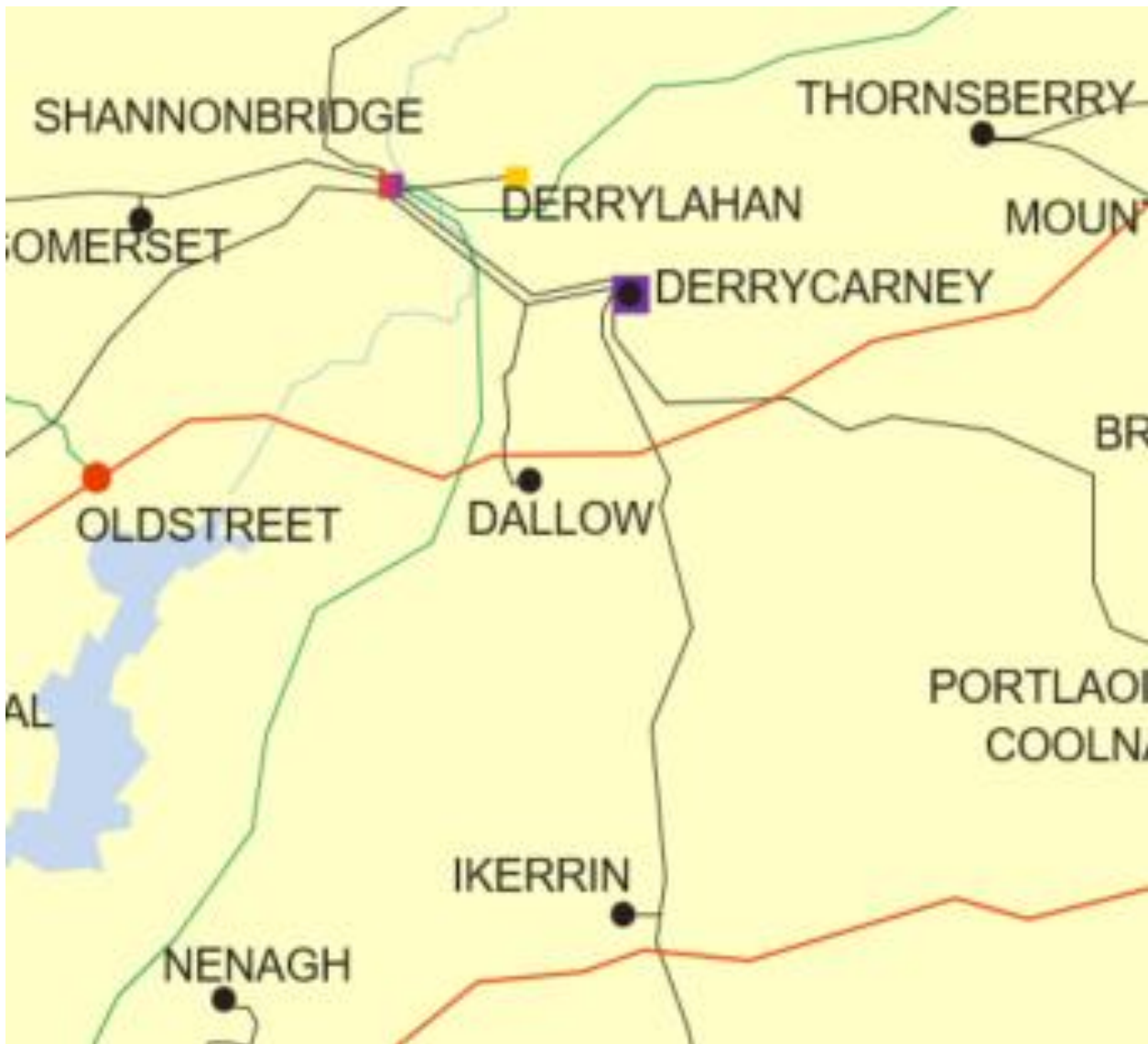


Figure 2-9- Location of node Dallow

Generator	SO	Capacity	Type	Status
Carrig (1)	DSO	2.55	wind uncontrolled	connected
Skehanagh (1)	DSO	4.25	wind uncontrolled	connected
Leabeg (1)	DSO	4.25	wind uncontrolled	connected
Meenwaun WF	DSO	9.99	wind priority	connected
Leamór Community Wind Turbine	DSO	4.99	wind not priority	due to connected
Cush	TSO	57.6	wind not priority	due to connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		31	63					
Installed Capacity (MW)	2030		31	63	63	63			
Installed Capacity (MW)	FG						63	63	63
Available Energy (GWh)	2028		101	202					
Available Energy (GWh)	2030		100	201	201	201			
Available Energy (GWh)	FG						201	201	201
Generation (GWh)	2028		69	132					
Generation (GWh)	2030		76	140	127	116			
Generation (GWh)	FG						132	122	154
Surplus (%)	2028		19 %	25 %					
Surplus (%)	2030		20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		8 %	5 %					
Constraint (%)	2030		1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028		32 %	35 %					
Total Dispatch Down (%)	2030		24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

Table 2-15 - Surplus, Curtailement and Constraint for Wind non-priority for Node Dallow

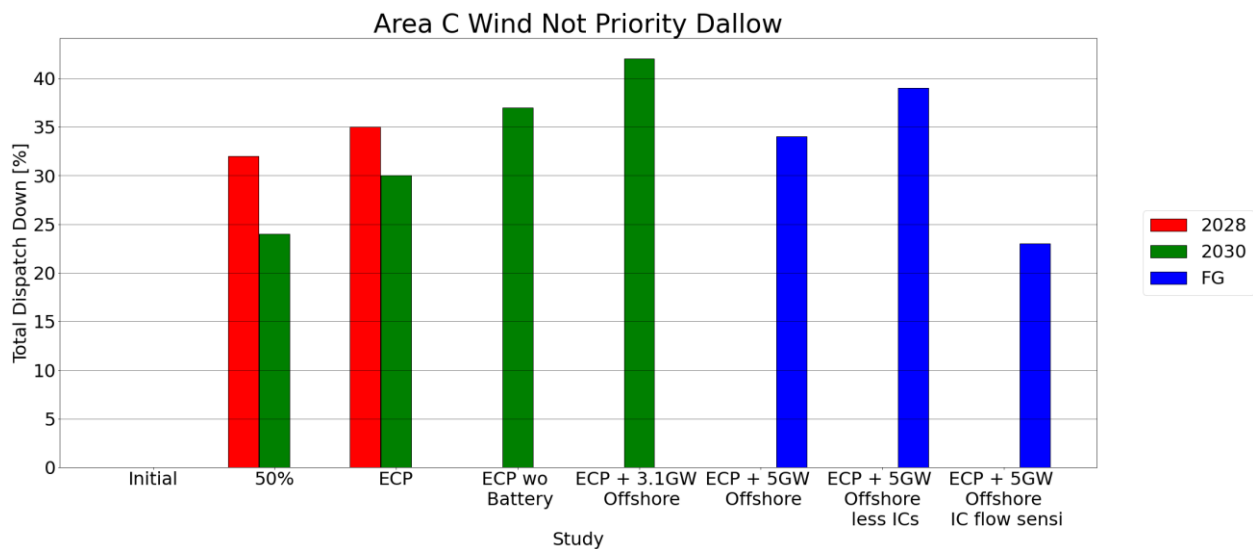


Figure 2-10 - Total Dispatch Down for Wind not priority for Node Dallow

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	63	
Installed Capacity (MW)	2030	63	63
Available Energy (GWh)	2028	202	
Available Energy (GWh)	2030	201	201
Generation (GWh)	2028	133	
Generation (GWh)	2030	140	116
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

Table 2-16 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Dallow

The wind priority data is given in the following table.

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	10	10	10					
Installed Capacity (MW)	2030	10	10	10	10	10			
Installed Capacity (MW)	FG						10	10	10
Available Energy (GWh)	2028	32	32	32					
Available Energy (GWh)	2030	32	32	32	32	32			
Available Energy (GWh)	FG						32	32	32
Generation (GWh)	2028	29	29	29					
Generation (GWh)	2030	30	30	30	29	30			
Generation (GWh)	FG						30	30	31
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailement (%)	2028	9 %	9 %	9 %					
Curtailement (%)	2030	6 %	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	9 %	9 %	9 %					
Total Dispatch Down (%)	2030	6 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

Table 2-17 - Surplus, Curtailement and Constraint for Wind priority for Node Dallow

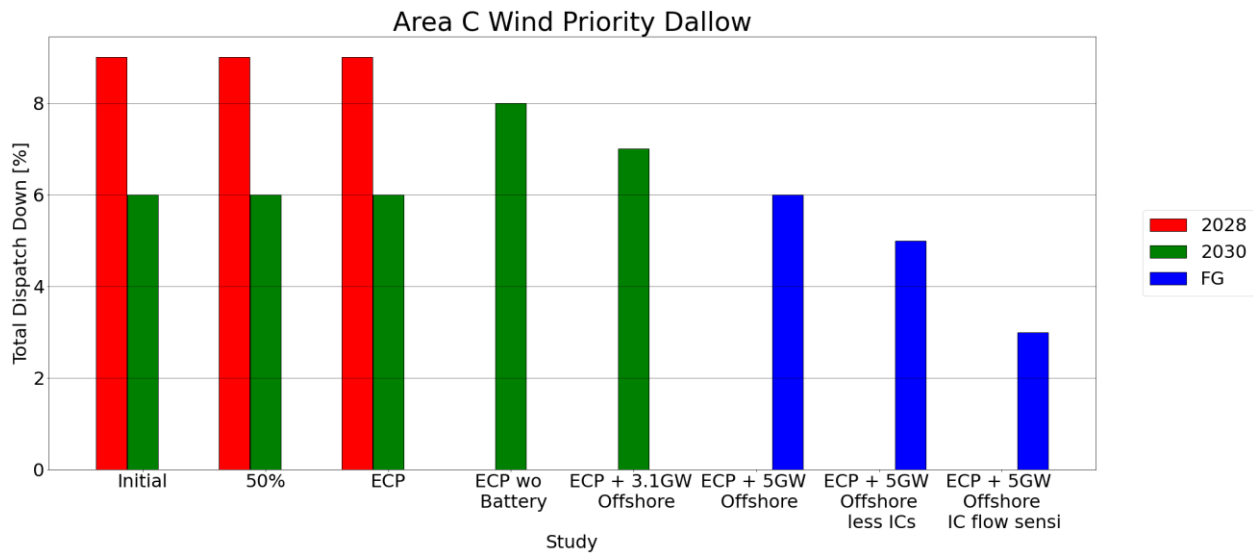


Figure 2-11 - Total Dispatch Down for Wind priority for Node Dallow

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	10	
Installed Capacity (MW)	2030	10	10
Available Energy (GWh)	2028	32	
Available Energy (GWh)	2030	32	32
Generation (GWh)	2028	28	
Generation (GWh)	2030	30	30
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	9 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	14 %	
Total Dispatch Down (%)	2030	7 %	7 %

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

2.5 Derrycarney

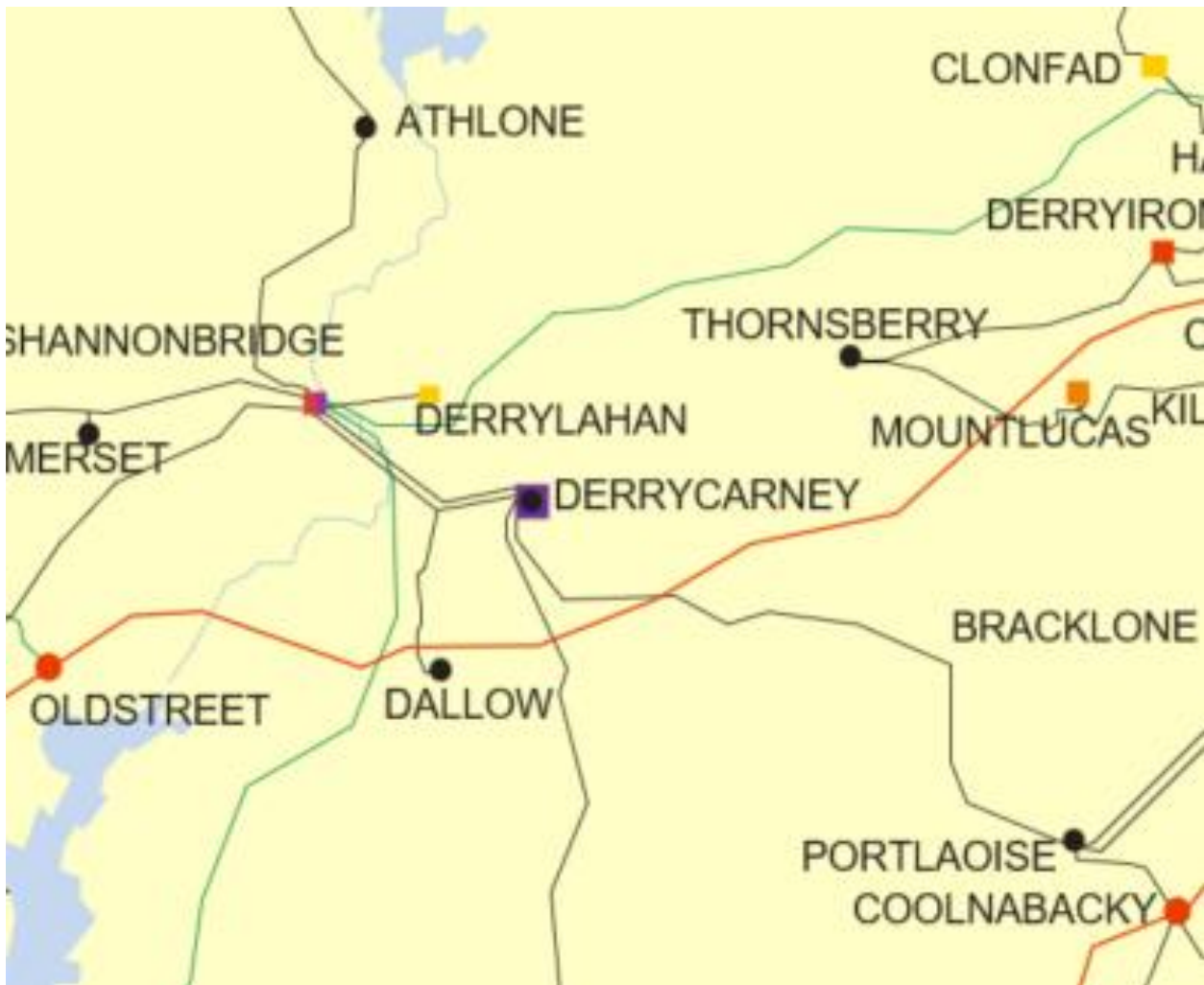


Figure 2-12 - Location of node Derrycarney

Generator	SO	Capacity	Type	Status
Cloghan Wind Farm	TSO	34.0	wind not priority	connected
Kilcormac Solar	TSO	125.0	solar not priority	due to connected
Derrycarney solar	TSO	105.0	solar not priority	due to connected
Lumcloon	TSO	95.0	solar not priority	due to connected
Rath Solar PV (ECP2.4+2.5)	TSO	119.25	solar not priority	due to connected

Table 2-19 - Generation Included in Study for Node Derrycarney

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		222	444					
Installed Capacity (MW)	2030		222	444	444	444			
Installed Capacity (MW)	FG						444	444	444
Available Energy (GWh)	2028		285	570					
Available Energy (GWh)	2030		285	569	569	569			
Available Energy (GWh)	FG						569	569	569
Generation (GWh)	2028		231	373					
Generation (GWh)	2030		231	376	334	351			
Generation (GWh)	FG						386	364	417
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-20- Surplus, Curtailment and Constraint for Solar non-priority for Node Derrycarney

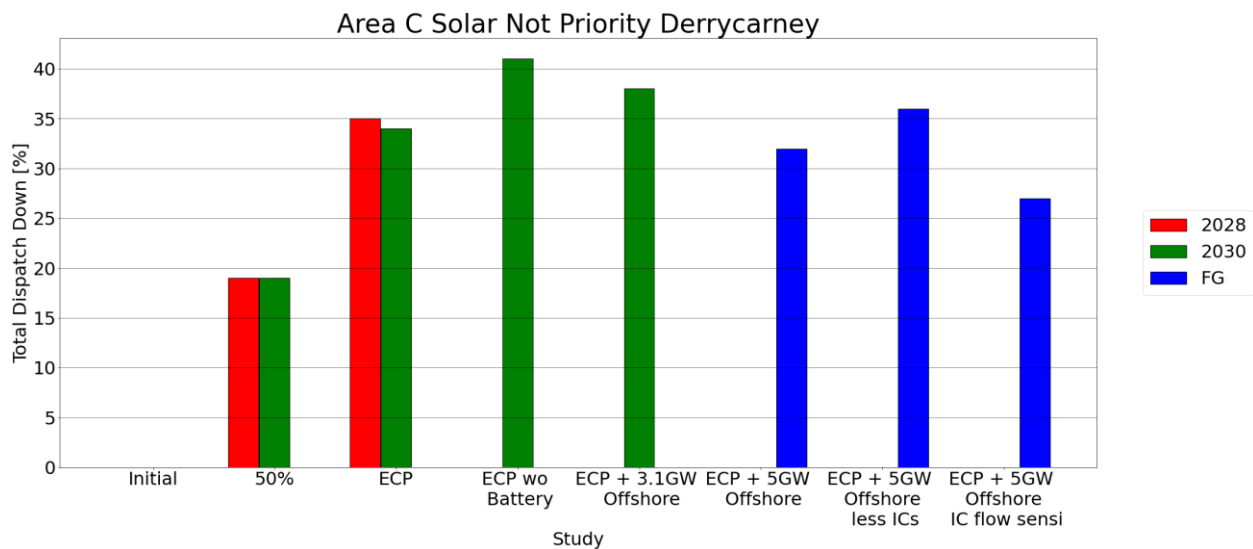


Figure 2-13 - Total Dispatch Down for Solar not priority for Node Derrycarney

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	444	
Installed Capacity (MW)	2030	444	444
Available Energy (GWh)	2028	570	
Available Energy (GWh)	2030	569	569
Generation (GWh)	2028	373	
Generation (GWh)	2030	376	351
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailment (%)	2028	6 %	
Curtailment (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-21 - Surplus, Curtailment and Constraint for Solar non-priority with sensitivity for Node Derrycarney

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	34	34	34					
Installed Capacity (MW)	2030	34	34	34	34	34			
Installed Capacity (MW)	FG						34	34	34
Available Energy (GWh)	2028	110	110	110					
Available Energy (GWh)	2030	109	109	109	109	109			
Available Energy (GWh)	FG						109	109	109
Generation (GWh)	2028	70	75	72					
Generation (GWh)	2030	91	83	76	69	63			
Generation (GWh)	FG						72	66	84
Surplus (%)	2028	15 %	19 %	25 %					
Surplus (%)	2030	11 %	20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	15 %	8 %	5 %					
Constraint (%)	2030	1 %	1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028	36 %	32 %	35 %					
Total Dispatch Down (%)	2030	17 %	24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

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

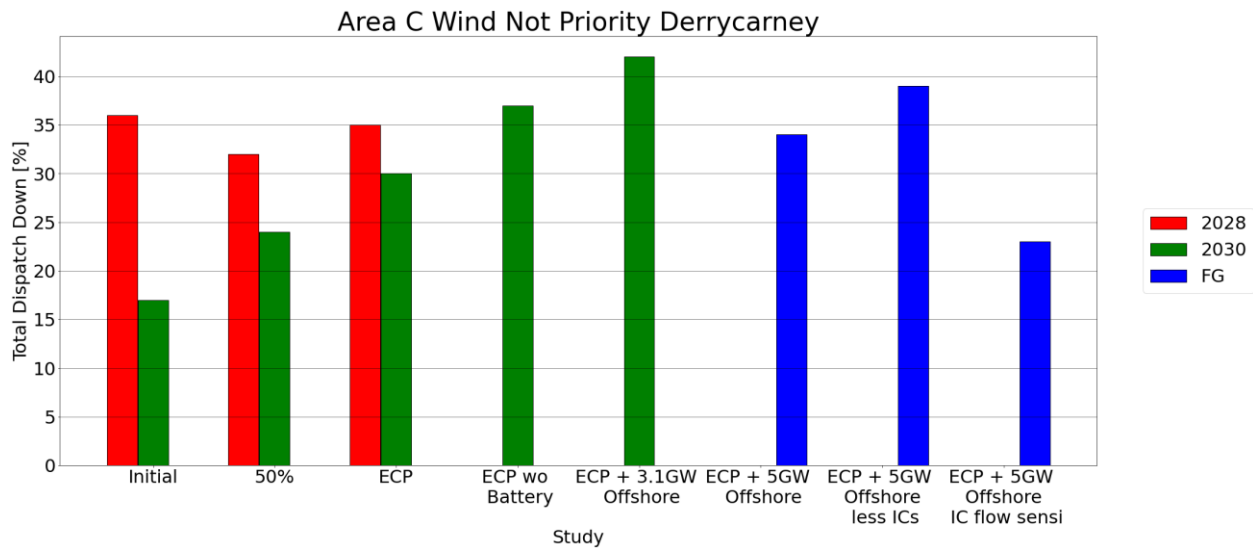


Figure 2-14 - Total Dispatch Down for Wind not priority for Node Derrycarney

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	34	
Installed Capacity (MW)	2030	34	34
Available Energy (GWh)	2028	110	
Available Energy (GWh)	2030	109	109
Generation (GWh)	2028	72	
Generation (GWh)	2030	76	63
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

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

2.6 Lanesboro

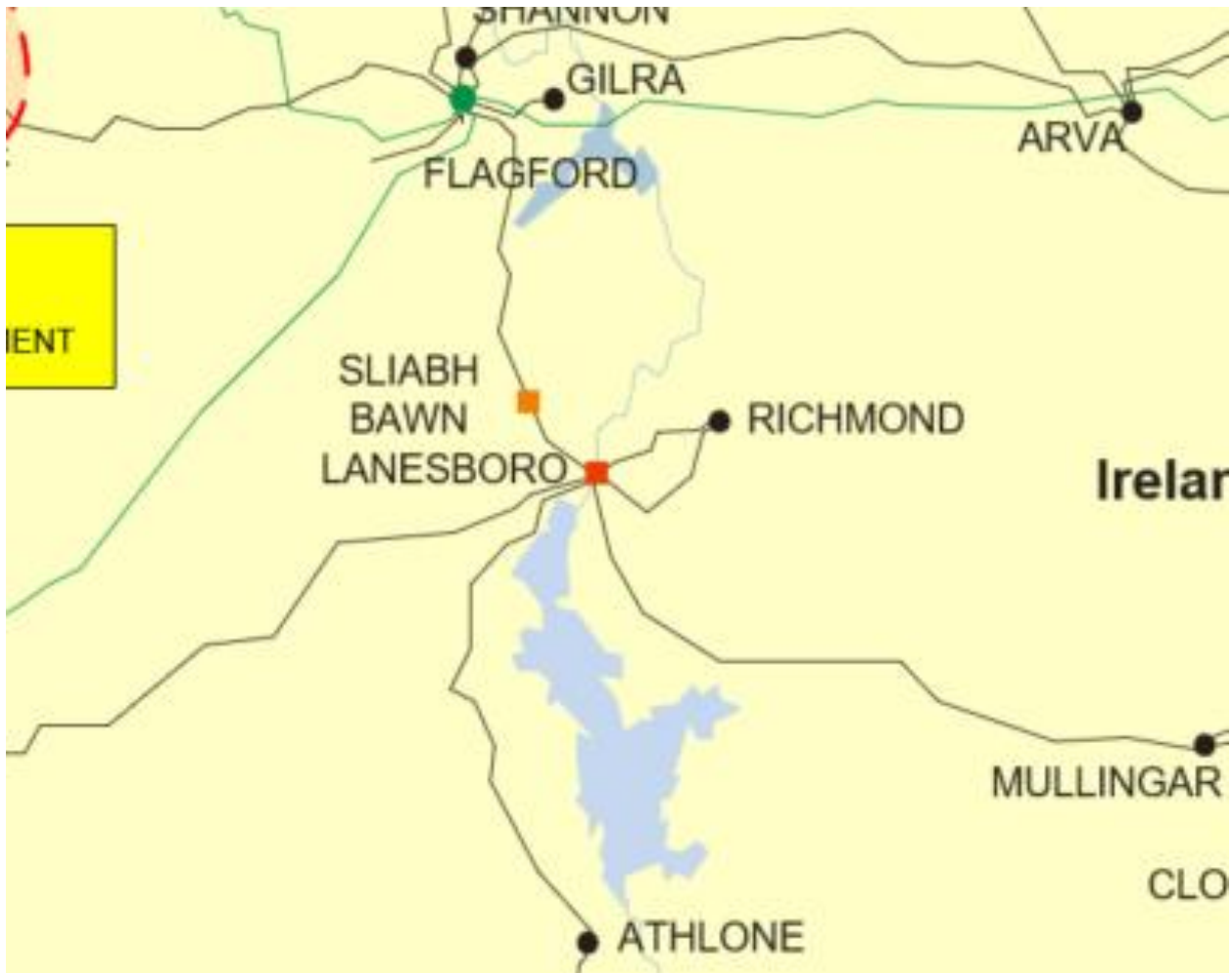


Figure 2-15 - Location of node Lanesboro

Generator	SO	Capacity	Type	Status
Skrine (1)	DSO	4.6	wind uncontrolled	connected
Creevy Solar	DSO	4.0	solar not priority	due to connected
Roxborough	DSO	4.95	wind not priority	due to connected
Middleton solar (Longford)	TSO	56.6	solar not priority	due to connected
Derryadd wind	TSO	90.0	wind not priority	due to connected
Kilcash Wind Farm	DSO	4.5	wind not priority	due to connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		30	61					
Installed Capacity (MW)	2030		30	61	61	61			
Installed Capacity (MW)	FG						61	61	61
Available Energy (GWh)	2028		39	78					
Available Energy (GWh)	2030		39	78	78	78			
Available Energy (GWh)	FG						78	78	78
Generation (GWh)	2028		32	51					
Generation (GWh)	2030		32	51	46	48			
Generation (GWh)	FG						53	50	57
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-25 - Surplus, Curtailment and Constraint for Solar non-priority for Node Lanesboro

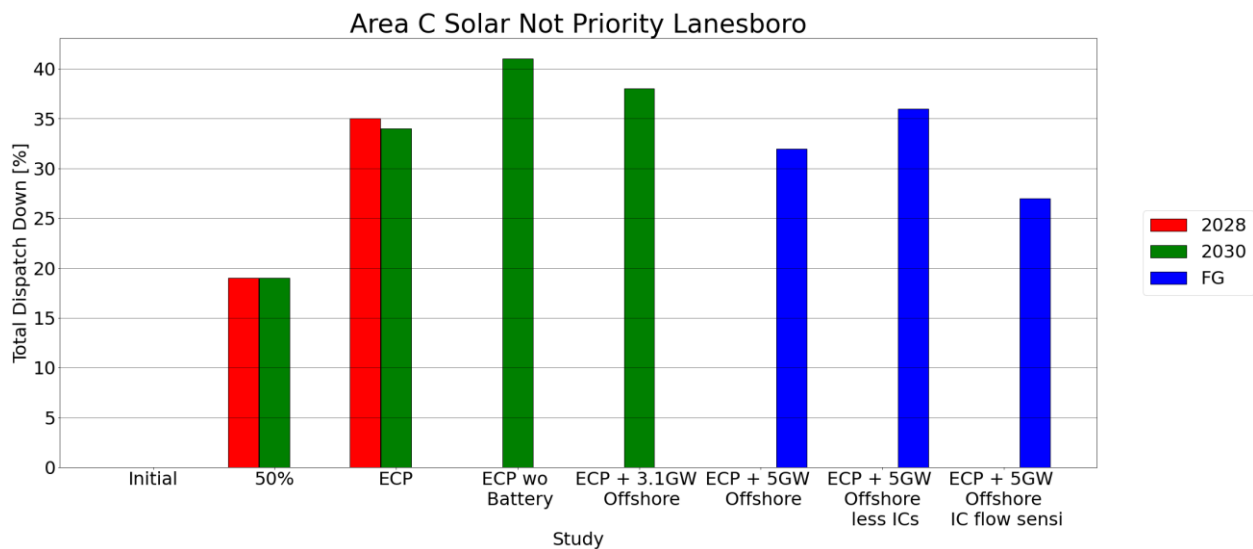


Figure 2-16 - Total Dispatch Down for Solar not priority for Node Lanesboro

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	61	
Installed Capacity (MW)	2030	61	61
Available Energy (GWh)	2028	78	
Available Energy (GWh)	2030	78	78
Generation (GWh)	2028	51	
Generation (GWh)	2030	51	48
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		50	99					
Installed Capacity (MW)	2030		50	99	99	99			
Installed Capacity (MW)	FG						99	99	99
Available Energy (GWh)	2028		160	321					
Available Energy (GWh)	2030		160	319	319	319			
Available Energy (GWh)	FG						319	319	319
Generation (GWh)	2028		109	210					
Generation (GWh)	2030		121	222	202	184			
Generation (GWh)	FG						210	194	245
Surplus (%)	2028		19 %	25 %					
Surplus (%)	2030		20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		8 %	5 %					
Constraint (%)	2030		1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028		32 %	35 %					
Total Dispatch Down (%)	2030		24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

Table 2-27 - Surplus, Curtailment and Constraint for Wind non-priority for Node Lanesboro

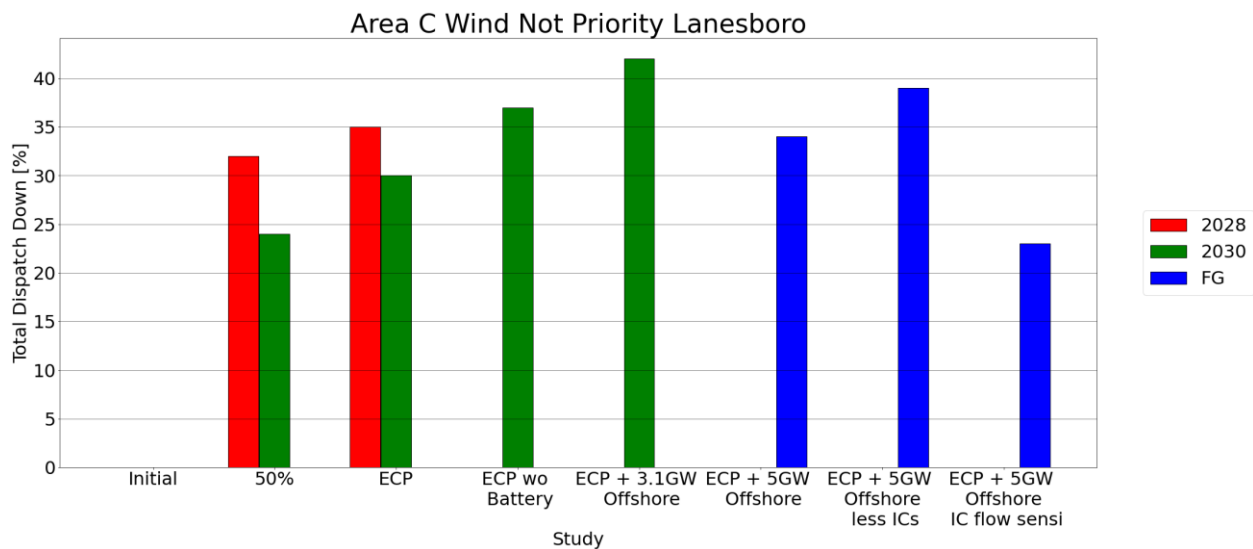


Figure 2-17- Total Dispatch Down for Wind not priority for Node Lanesboro

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	99	
Installed Capacity (MW)	2030	99	99
Available Energy (GWh)	2028	321	
Available Energy (GWh)	2030	319	319
Generation (GWh)	2028	212	
Generation (GWh)	2030	223	184
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

Table 2-28- Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Lanesboro

2.7 Mullingar



Figure 2-18 - Location of node Mullingar

Generator	SO	Capacity	Type	Status
Marlinstown Solar Farm (prev Russellstown)	DSO	4.0	solar not priority	due to connected
Liss Solar Farm (prev Lands at Liss)	DSO	4.0	solar not priority	connected
Tullynally Estate	DSO	4.0	solar not priority	due to connected
Coole wind	TSO	88.0	wind not priority	due to connected
WEP Solar Slanemore Mullingar	DSO	16.85	solar not priority	due to connected
Coole Wind Farm - Extension	TSO	9.5	wind not priority	due to connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	8	18	29					
Installed Capacity (MW)	2030	8	18	29	29	29			
Installed Capacity (MW)	FG						29	29	29
Available Energy (GWh)	2028	10	24	37					
Available Energy (GWh)	2030	10	24	37	37	37			
Available Energy (GWh)	FG						37	37	37
Generation (GWh)	2028	9	10	11					
Generation (GWh)	2030	9	13	16	13	16			
Generation (GWh)	FG						17	17	19
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	5 %	43 %	42 %					
Constraint (%)	2030	2 %	26 %	28 %	29 %	23 %			
Constraint (%)	FG						29 %	23 %	29 %
Total Dispatch Down (%)	2028	17 %	59 %	71 %					
Total Dispatch Down (%)	2030	13 %	43 %	56 %	66 %	57 %			
Total Dispatch Down (%)	FG						54 %	55 %	49 %

Table 2-30 - Surplus, Curtailement and Constraint for Solar non-priority for Node Mullingar

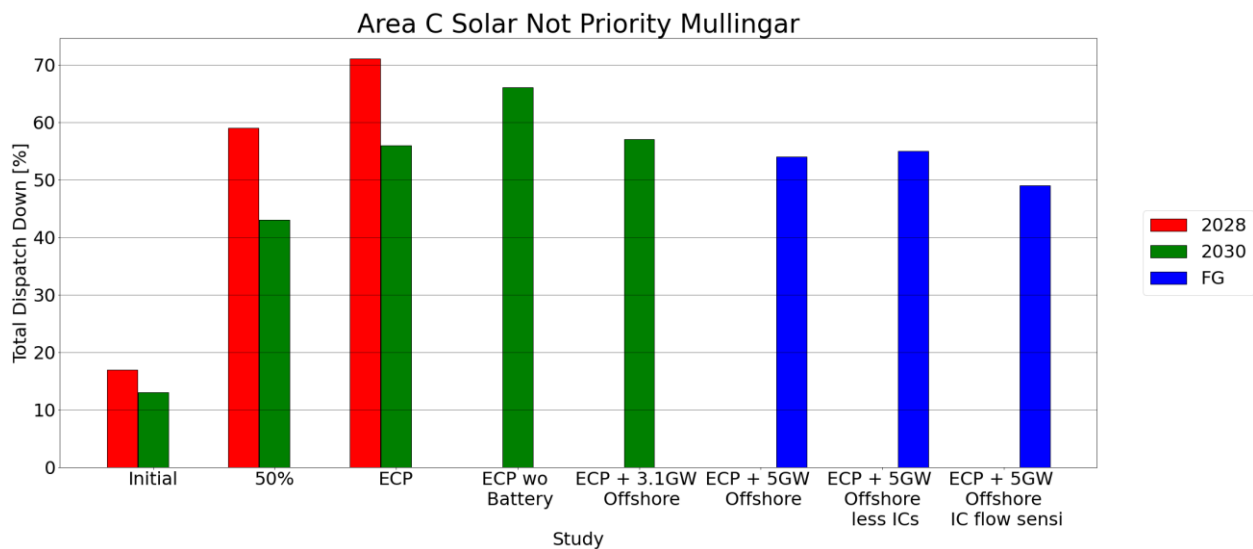


Figure 2-19 - Total Dispatch Down for Solar not priority for Node Mullingar

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	29	
Installed Capacity (MW)	2030	29	29
Available Energy (GWh)	2028	37	
Available Energy (GWh)	2030	37	37
Generation (GWh)	2028	11	
Generation (GWh)	2030	16	16
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	42 %	
Constraint (%)	2030	28 %	23 %
Total Dispatch Down (%)	2028	71 %	
Total Dispatch Down (%)	2030	56 %	57 %

Table 2-31 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Mullingar

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		49	98					
Installed Capacity (MW)	2030		49	98	98	98			
Installed Capacity (MW)	FG						98	98	98
Available Energy (GWh)	2028		157	315					
Available Energy (GWh)	2030		156	313	313	313			
Available Energy (GWh)	FG						313	313	313
Generation (GWh)	2028		67	99					
Generation (GWh)	2030		86	157	148	159			
Generation (GWh)	FG						184	179	215
Surplus (%)	2028		19 %	25 %					
Surplus (%)	2030		20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		33 %	39 %					
Constraint (%)	2030		21 %	20 %	17 %	7 %			
Constraint (%)	FG						8 %	5 %	10 %
Total Dispatch Down (%)	2028		57 %	69 %					
Total Dispatch Down (%)	2030		45 %	50 %	53 %	49 %			
Total Dispatch Down (%)	FG						41 %	43 %	31 %

Table 2-32 - Surplus, Curtailement and Constraint for Wind non-priority for Node Mullingar

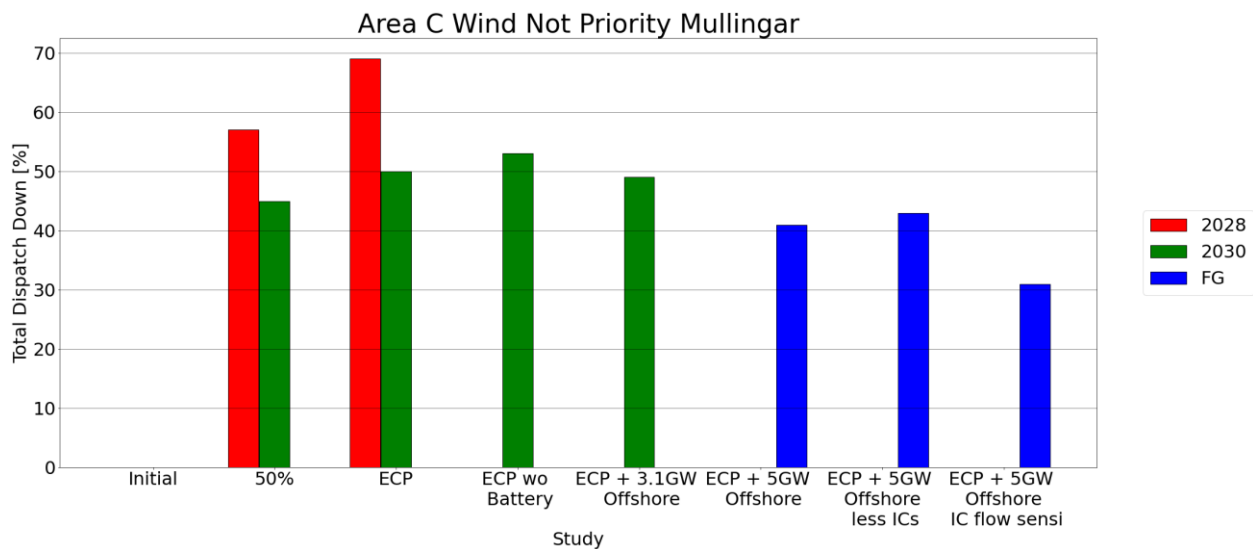


Figure 2-20 - Total Dispatch Down for Wind not priority for Node Mullingar

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	98	
Installed Capacity (MW)	2030	98	98
Available Energy (GWh)	2028	315	
Available Energy (GWh)	2030	313	313
Generation (GWh)	2028	110	
Generation (GWh)	2030	163	161
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	36 %	
Constraint (%)	2030	18 %	7 %
Total Dispatch Down (%)	2028	65 %	
Total Dispatch Down (%)	2030	48 %	49 %

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

2.8 Richmond

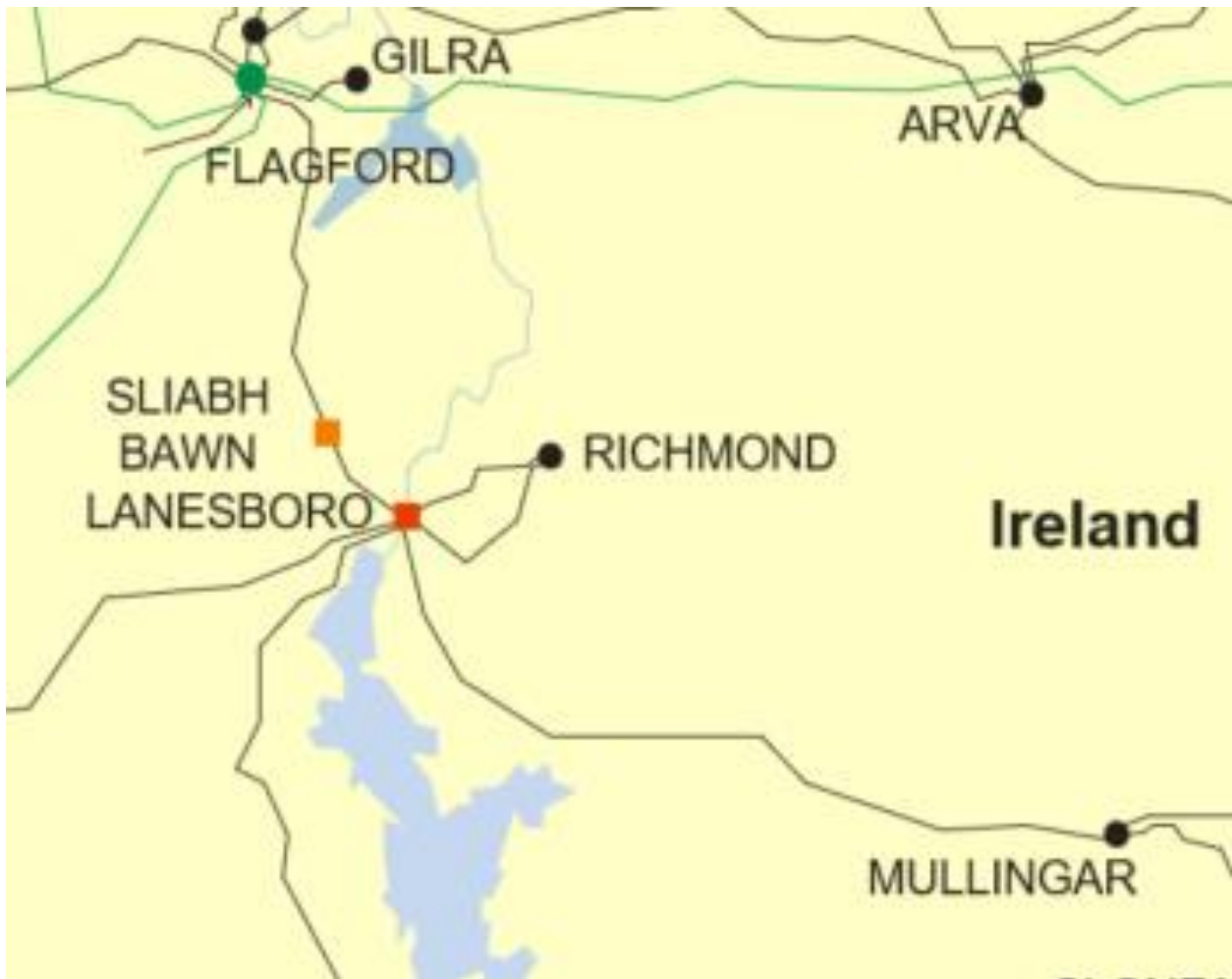


Figure 2-21 - Location of node Richmond

Generator	SO	Capacity	Type	Status
Lisnageeragh Solar Farm	DSO	4.0	solar not priority	connected
Cleggill Solar Park	DSO	8.0	solar not priority	due to connected
Ballykenny Solar	DSO	9.0	solar not priority	due to connected
Cloondara Solar Park	DSO	4.0	solar not priority	due to connected
Ballykenny Solar Extension	DSO	6.0	solar not priority	due to connected
Lissanore Wind Turbine	DSO	4.5	wind not priority	due to connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	12	22	31					
Installed Capacity (MW)	2030	12	22	31	31	31			
Installed Capacity (MW)	FG						31	31	31
Available Energy (GWh)	2028	15	28	40					
Available Energy (GWh)	2030	15	28	40	40	40			
Available Energy (GWh)	FG						40	40	40
Generation (GWh)	2028	13	22	26					
Generation (GWh)	2030	14	22	26	23	25			
Generation (GWh)	FG						27	25	29
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	2 %	2 %	6 %					
Constraint (%)	2030	0 %	1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028	14 %	19 %	35 %					
Total Dispatch Down (%)	2030	11 %	19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-35 - Surplus, Curtailement and Constraint for Solar non-priority for Node Richmond

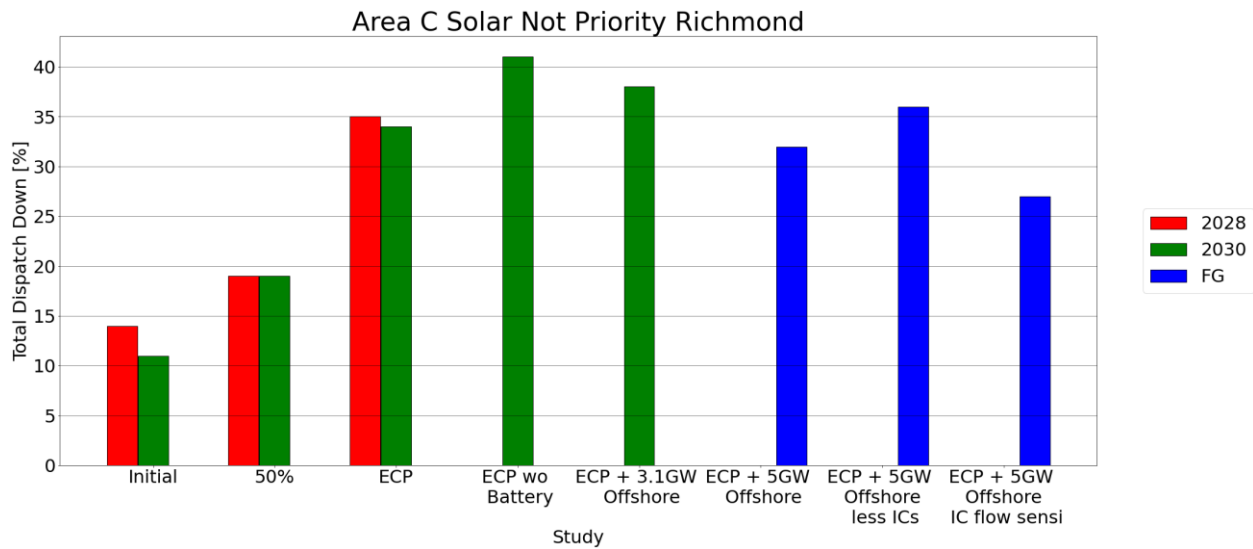


Figure 2-22 - Total Dispatch Down for Solar not priority for Node Richmond

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	31	
Installed Capacity (MW)	2030	31	31
Available Energy (GWh)	2028	40	
Available Energy (GWh)	2030	40	40
Generation (GWh)	2028	26	
Generation (GWh)	2030	26	25
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-36 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Richmond

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		2	4					
Installed Capacity (MW)	2030		2	4	4	4			
Installed Capacity (MW)	FG						4	4	4
Available Energy (GWh)	2028		7	15					
Available Energy (GWh)	2030		7	14	14	14			
Available Energy (GWh)	FG						14	14	14
Generation (GWh)	2028		5	9					
Generation (GWh)	2030		5	10	9	8			
Generation (GWh)	FG						9	9	11
Surplus (%)	2028		19 %	25 %					
Surplus (%)	2030		20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028		5 %	5 %					
Curtailement (%)	2030		3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028		8 %	5 %					
Constraint (%)	2030		1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028		32 %	35 %					
Total Dispatch Down (%)	2030		24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

Table 2-37 - Surplus, Curtailement and Constraint for Wind non-priority for Node Richmond

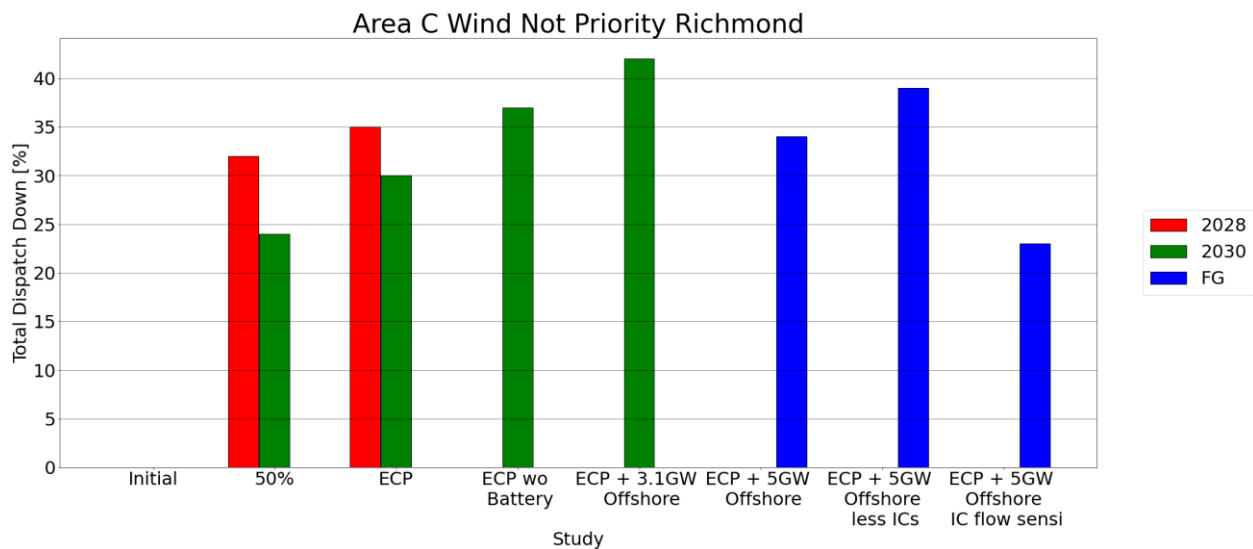


Figure 2-23- Total Dispatch Down for Wind not priority for Node Richmond

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	4	
Installed Capacity (MW)	2030	4	4
Available Energy (GWh)	2028	15	
Available Energy (GWh)	2030	14	14
Generation (GWh)	2028	10	
Generation (GWh)	2030	10	8
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

Table 2-38 - Surplus, Curtailement and Constraint for Wind non-priority with sensitivity for Node Richmond

2.9 Shannonbridge

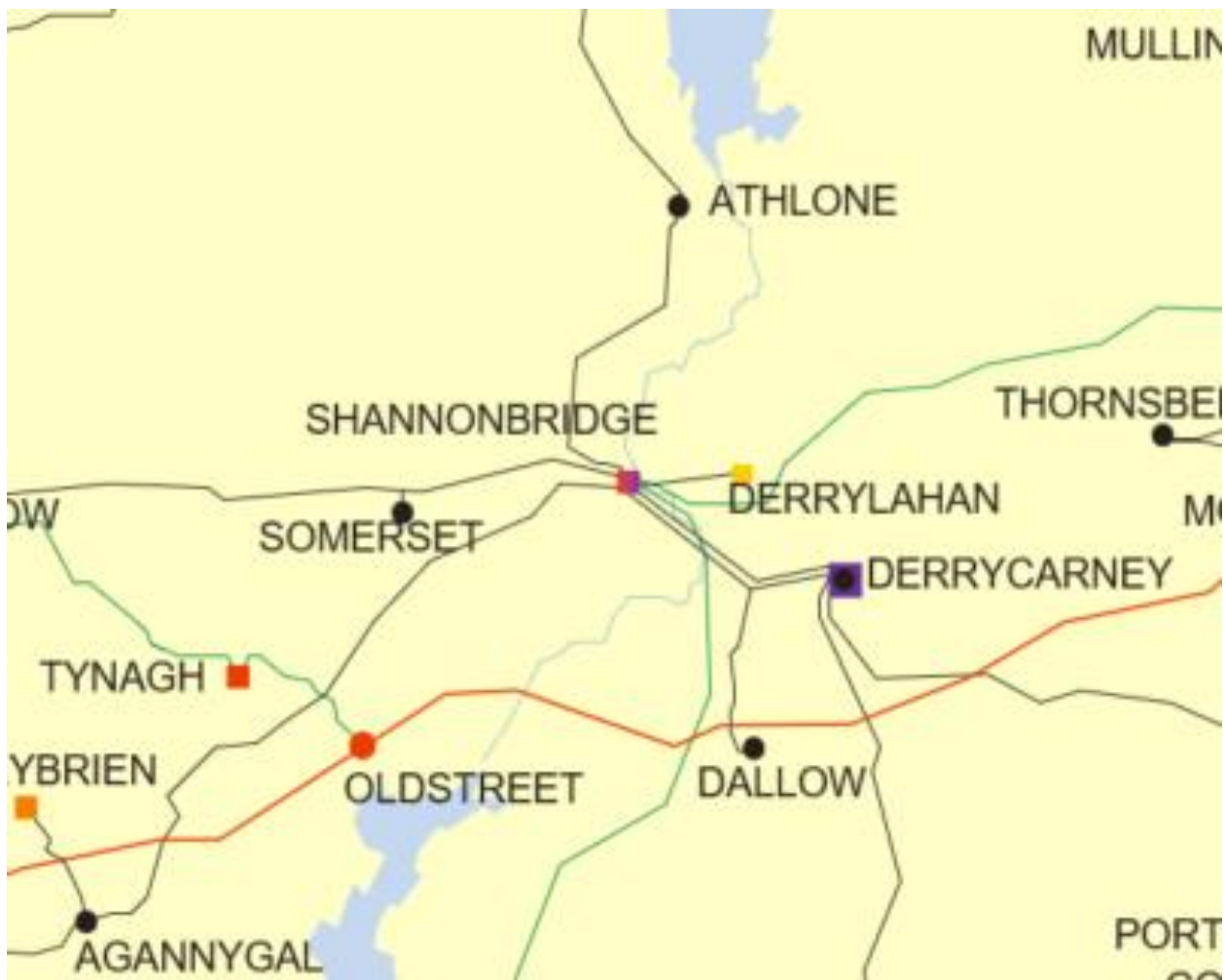


Figure 2-24- Location of node Shannonbridge

Generator	SO	Capacity	Type	Status
Blackwater Bog Solar 1	TSO	65.0	solar not priority	due to connected

Table 2-39 - Generation Included in Study for Node Shannonbridge

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		32	65					
Installed Capacity (MW)	2030		32	65	65	65			
Installed Capacity (MW)	FG						65	65	65
Available Energy (GWh)	2028		42	83					
Available Energy (GWh)	2030		42	83	83	83			
Available Energy (GWh)	FG						83	83	83
Generation (GWh)	2028		34	55					
Generation (GWh)	2030		34	55	49	51			
Generation (GWh)	FG						57	53	61
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		2 %	6 %					
Constraint (%)	2030		1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028		19 %	35 %					
Total Dispatch Down (%)	2030		19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-40 - Surplus, Curtailement and Constraint for Solar non-priority for Node Shannonbridge

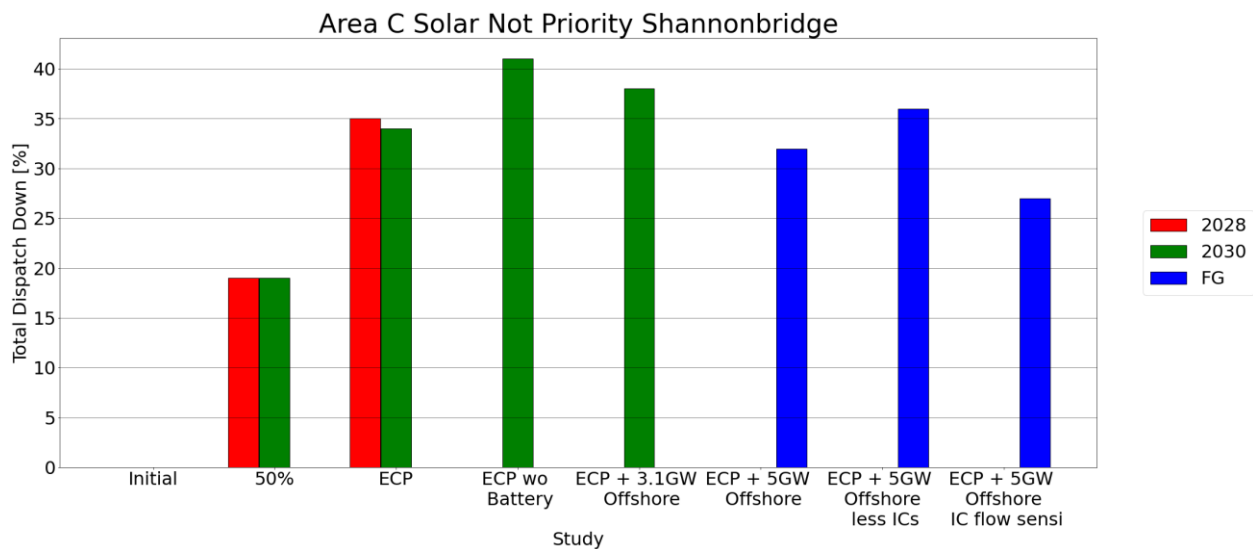


Figure 2-25 - Total Dispatch Down for Solar not priority for Node Shannonbridge

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	65	
Installed Capacity (MW)	2030	65	65
Available Energy (GWh)	2028	83	
Available Energy (GWh)	2030	83	83
Generation (GWh)	2028	55	
Generation (GWh)	2030	55	51
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-41 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Shannonbridge

2.10 Shanonagh



Figure 2-26 - Location of node Shanonagh

Generator	SO	Capacity	Type	Status
Clondardis Solar	TSO	58.6	solar not priority	due to connected
Clondardis Solar Extension	TSO	11.4	solar not priority	due to connected
Kildallan Solar	TSO	130.0	solar not priority	due to connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028		100	200					
Installed Capacity (MW)	2030		100	200	200	200			
Installed Capacity (MW)	FG						200	200	200
Available Energy (GWh)	2028		128	257					
Available Energy (GWh)	2030		128	256	256	256			
Available Energy (GWh)	FG						256	256	256
Generation (GWh)	2028		52	75					
Generation (GWh)	2030		73	112	87	110			
Generation (GWh)	FG						118	117	130
Surplus (%)	2028		13 %	23 %					
Surplus (%)	2030		15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028		4 %	6 %					
Curtailement (%)	2030		3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028		43 %	42 %					
Constraint (%)	2030		26 %	28 %	29 %	23 %			
Constraint (%)	FG						29 %	23 %	29 %
Total Dispatch Down (%)	2028		59 %	71 %					
Total Dispatch Down (%)	2030		43 %	56 %	66 %	57 %			
Total Dispatch Down (%)	FG						54 %	55 %	49 %

Table 2-43 - Surplus, Curtailement and Constraint for Solar non-priority for Node Shanonagh

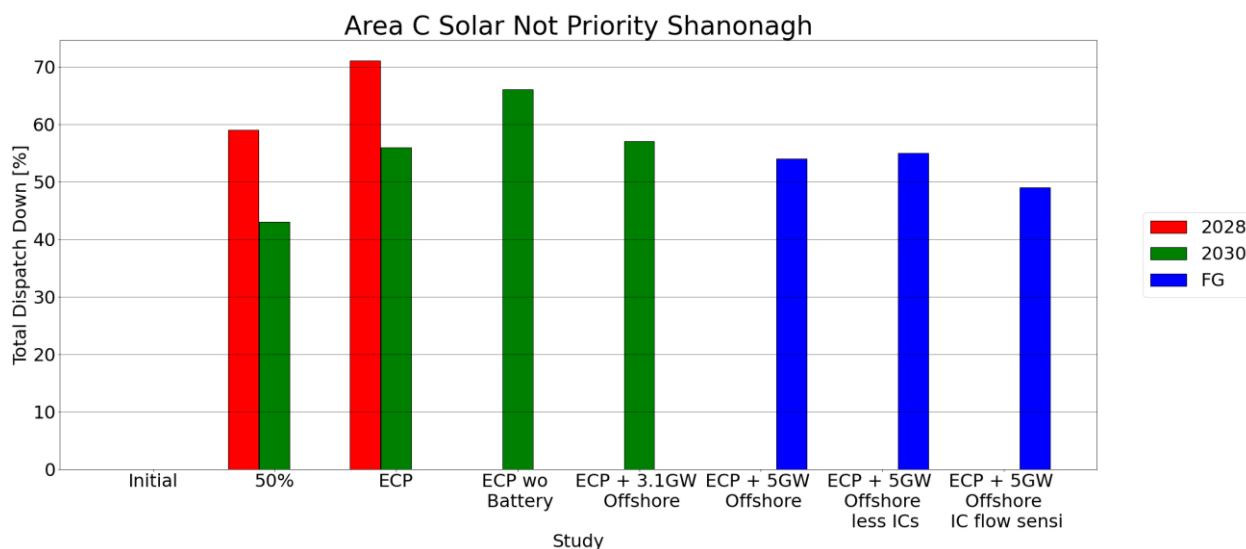


Figure 2-27 - Total Dispatch Down for Solar not priority for Node Shanonagh

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	200	
Installed Capacity (MW)	2030	200	200
Available Energy (GWh)	2028	257	
Available Energy (GWh)	2030	256	256
Generation (GWh)	2028	75	
Generation (GWh)	2030	112	110
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	42 %	
Constraint (%)	2030	28 %	23 %
Total Dispatch Down (%)	2028	71 %	
Total Dispatch Down (%)	2030	56 %	57 %

Table 2-44 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Shanonagh

2.11 Sliabh bawn



Figure 2-28 - Location of node Sliabh bawn

Generator	SO	Capacity	Type	Status
Sliabh Bawn (1)	TSO	58.0	wind priority	connected

Table 2-45 - Generation Included in Study for Node Sliabh bawn

The wind priority data is given in the following table.

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	58	58	58					
Installed Capacity (MW)	2030	58	58	58	58	58			
Installed Capacity (MW)	FG						58	58	58
Available Energy (GWh)	2028	187	187	187					
Available Energy (GWh)	2030	186	186	186	186	186			
Available Energy (GWh)	FG						186	186	186
Generation (GWh)	2028	169	171	169					
Generation (GWh)	2030	174	176	175	171	173			
Generation (GWh)	FG						176	176	181
Surplus (%)	2028	0 %	0 %	0 %					
Surplus (%)	2030	0 %	0 %	0 %	0 %	0 %			
Surplus (%)	FG						0 %	0 %	0 %
Curtailment (%)	2028	9 %	9 %	9 %					
Curtailment (%)	2030	6 %	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	9 %	9 %	9 %					
Total Dispatch Down (%)	2030	6 %	6 %	6 %	8 %	7 %			
Total Dispatch Down (%)	FG						6 %	5 %	3 %

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

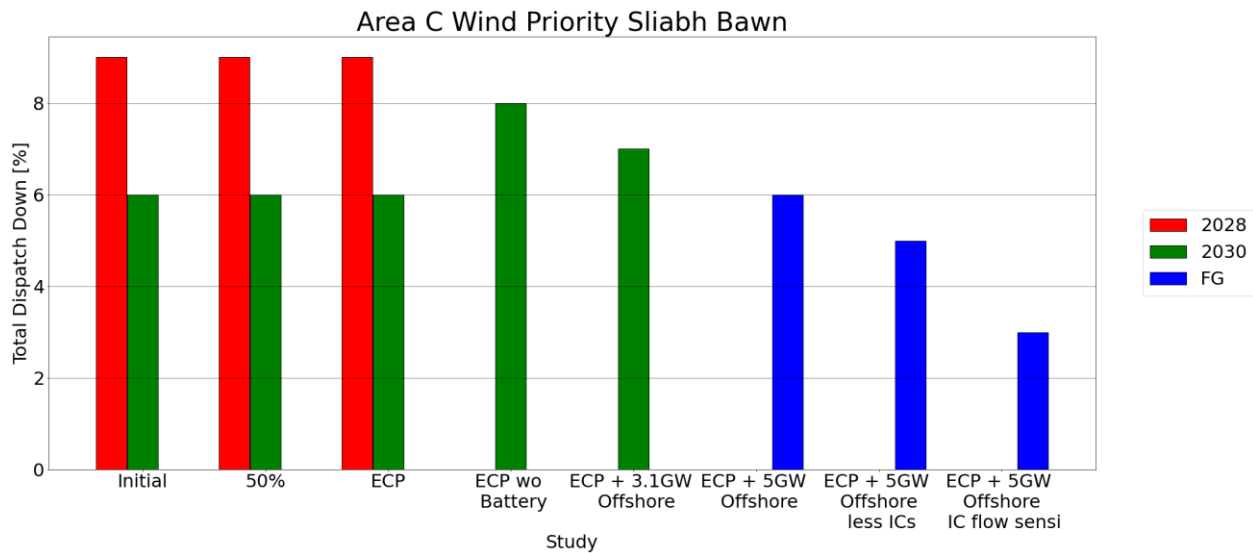


Figure 2-29 - Total Dispatch Down for Wind priority for Node Sliabh bawn

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	58	
Installed Capacity (MW)	2030	58	58
Available Energy (GWh)	2028	187	
Available Energy (GWh)	2030	186	186
Generation (GWh)	2028	161	
Generation (GWh)	2030	174	173
Surplus (%)	2028	0 %	
Surplus (%)	2030	0 %	0 %
Curtailement (%)	2028	9 %	
Curtailement (%)	2030	6 %	7 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	14 %	
Total Dispatch Down (%)	2030	7 %	7 %

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

2.12 Somerset

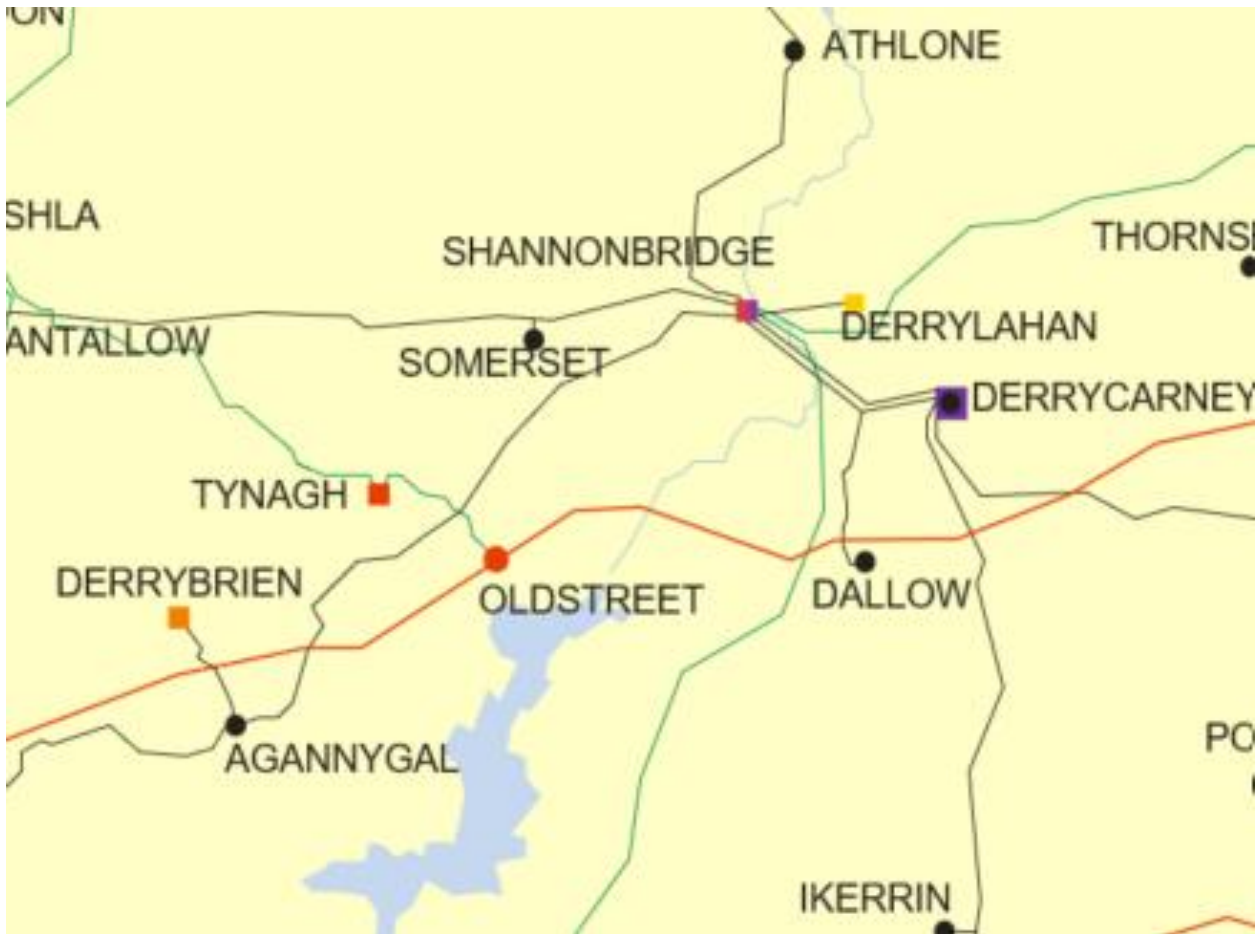


Figure 2-30 - Location of node Somerset

Generator	SO	Capacity	Type	Status
Sonnagh Old (1)	DSO	7.65	wind uncontrolled	connected
Ballycrissane Solar Farm	DSO	4.0	solar not priority	due to connected
Ardnadoman Solar Farm	DSO	4.0	solar not priority	due to connected
Ballydonagh	TSO	90.0	solar not priority	due to connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	4	51	98					
Installed Capacity (MW)	2030	4	51	98	98	98			
Installed Capacity (MW)	FG						98	98	98
Available Energy (GWh)	2028	5	65	126					
Available Energy (GWh)	2030	5	65	126	126	126			
Available Energy (GWh)	FG						126	126	126
Generation (GWh)	2028	4	53	82					
Generation (GWh)	2030	5	53	83	74	77			
Generation (GWh)	FG						85	80	92
Surplus (%)	2028	7 %	13 %	23 %					
Surplus (%)	2030	8 %	15 %	25 %	33 %	30 %			
Surplus (%)	FG						22 %	29 %	18 %
Curtailement (%)	2028	4 %	4 %	6 %					
Curtailement (%)	2030	2 %	3 %	4 %	5 %	4 %			
Curtailement (%)	FG						2 %	3 %	2 %
Constraint (%)	2028	2 %	2 %	6 %					
Constraint (%)	2030	0 %	1 %	6 %	4 %	4 %			
Constraint (%)	FG						8 %	5 %	7 %
Total Dispatch Down (%)	2028	14 %	19 %	35 %					
Total Dispatch Down (%)	2030	11 %	19 %	34 %	41 %	38 %			
Total Dispatch Down (%)	FG						32 %	36 %	27 %

Table 2-49 - Surplus, Curtailement and Constraint for Solar non-priority for Node Somerset

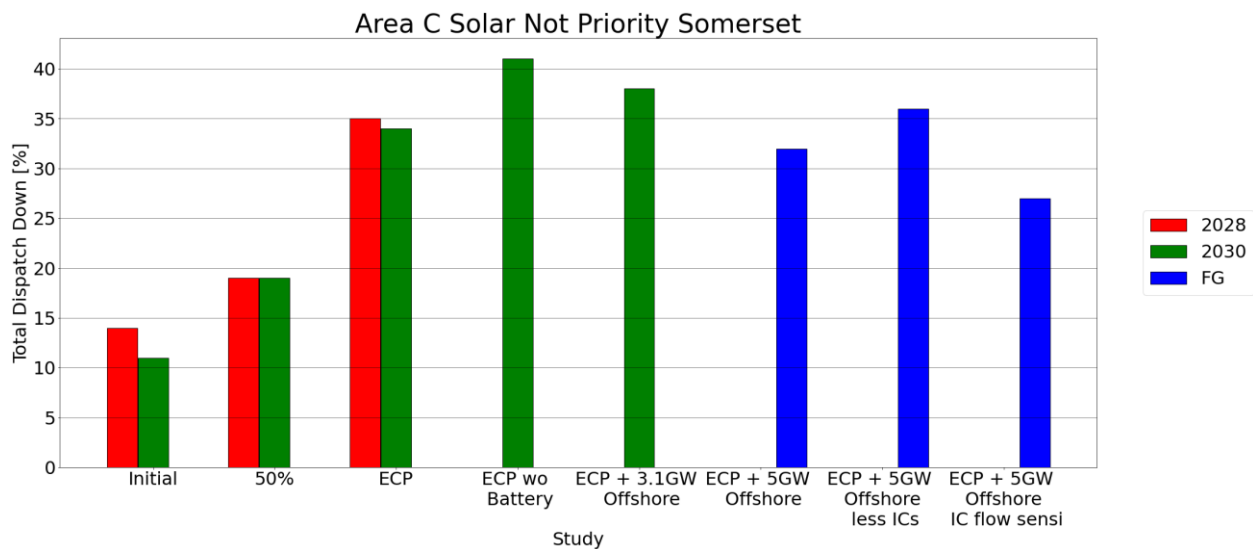


Figure 2-31 - Total Dispatch Down for Solar not priority for Node Somerset

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	98	
Installed Capacity (MW)	2030	98	98
Available Energy (GWh)	2028	126	
Available Energy (GWh)	2030	126	126
Generation (GWh)	2028	82	
Generation (GWh)	2030	83	77
Surplus (%)	2028	23 %	
Surplus (%)	2030	25 %	30 %
Curtailement (%)	2028	6 %	
Curtailement (%)	2030	4 %	4 %
Constraint (%)	2028	6 %	
Constraint (%)	2030	6 %	4 %
Total Dispatch Down (%)	2028	35 %	
Total Dispatch Down (%)	2030	34 %	38 %

Table 2-50 - Surplus, Curtailement and Constraint for Solar non-priority with sensitivity for Node Somerset

2.13 Stonestown

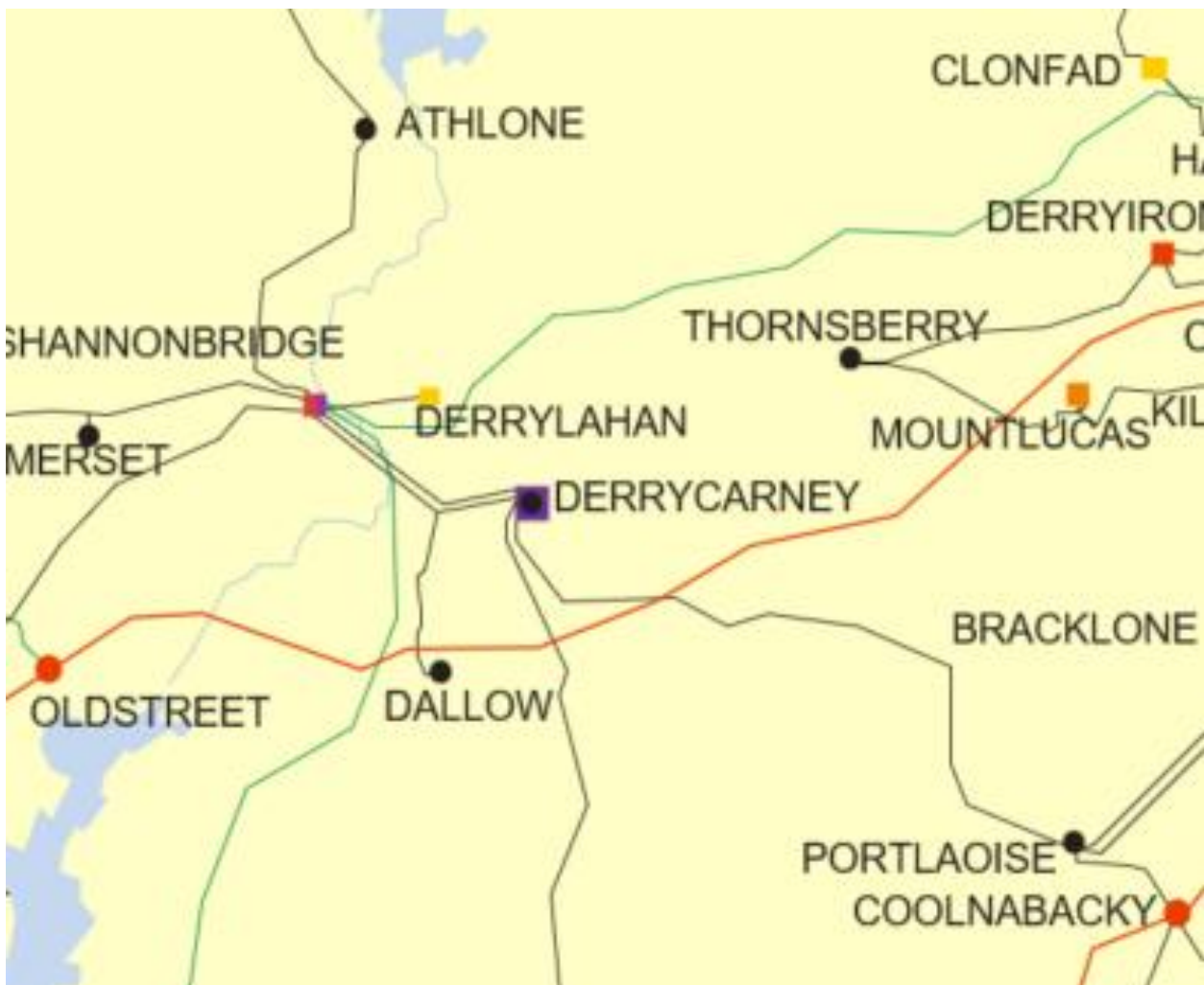


Figure 2-32 - Location of node Stonestown

Generator	SO	Capacity	Type	Status
Derrinlough Wind Farm	TSO	105.0	wind not priority	connected

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

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

Area C	Year	Initial	50%	ECP	ECP wo Battery	ECP + 3.1GW Offshore	ECP + 5GW Offshore	ECP + 5GW Offshore less ICs	ECP + 5GW Offshore IC flow sensi
Installed Capacity (MW)	2028	105	105	105					
Installed Capacity (MW)	2030	105	105	105	105	105			
Installed Capacity (MW)	FG						105	105	105
Available Energy (GWh)	2028	339	339	339					
Available Energy (GWh)	2030	337	337	337	337	337			
Available Energy (GWh)	FG						337	337	337
Generation (GWh)	2028	216	231	221					
Generation (GWh)	2030	280	255	235	213	194			
Generation (GWh)	FG						222	204	258
Surplus (%)	2028	15 %	19 %	25 %					
Surplus (%)	2030	11 %	20 %	27 %	32 %	39 %			
Surplus (%)	FG						31 %	36 %	20 %
Curtailement (%)	2028	6 %	5 %	5 %					
Curtailement (%)	2030	5 %	3 %	3 %	4 %	3 %			
Curtailement (%)	FG						2 %	2 %	2 %
Constraint (%)	2028	15 %	8 %	5 %					
Constraint (%)	2030	1 %	1 %	1 %	1 %	0 %			
Constraint (%)	FG						1 %	1 %	2 %
Total Dispatch Down (%)	2028	36 %	32 %	35 %					
Total Dispatch Down (%)	2030	17 %	24 %	30 %	37 %	42 %			
Total Dispatch Down (%)	FG						34 %	39 %	23 %

Table 2-52 - Surplus, Curtailement and Constraint for Wind non-priority for Node Stonestown

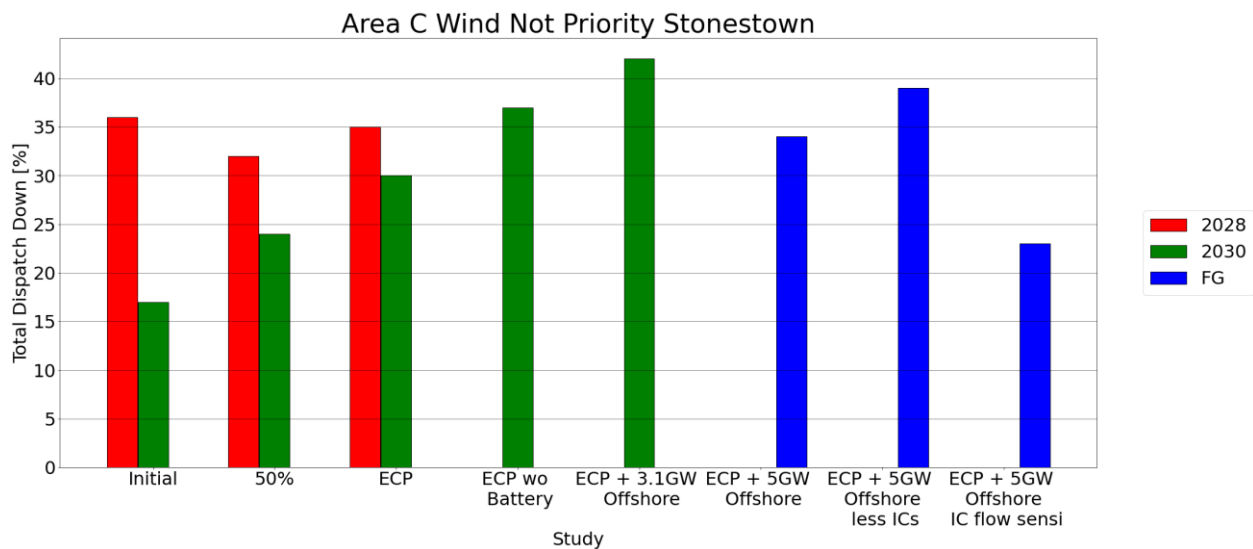


Figure 2-33 - Total Dispatch Down for Wind not priority for Node Stonestown

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

Area C	Year	ECP	ECP + 3.1GW Offshore
Installed Capacity (MW)	2028	105	
Installed Capacity (MW)	2030	105	105
Available Energy (GWh)	2028	339	
Available Energy (GWh)	2030	337	337
Generation (GWh)	2028	224	
Generation (GWh)	2030	235	195
Surplus (%)	2028	25 %	
Surplus (%)	2030	27 %	39 %
Curtailement (%)	2028	5 %	
Curtailement (%)	2030	3 %	3 %
Constraint (%)	2028	5 %	
Constraint (%)	2030	1 %	0 %
Total Dispatch Down (%)	2028	34 %	
Total Dispatch Down (%)	2030	30 %	42 %

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