

# Controllability Status Update

December 2017

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## 1. INTRODUCTION

The SEM-11-062 decision paper<sup>1</sup> identified a three-level hierarchy classification for Wind Farm Power Stations (WFPS) in Ireland and Northern Ireland; level (i), (ii) or (iii).

On 24th of March 2017, the SEM Committee confirmed that on an interim basis solar and tidal generation is entered onto the priority hierarchy in the same position as wind generation. This is without prejudice to the outcome of any future consultation arising from a wider review of the original decision.

Power Park Modules (PPMs) is a new generic term used in this document to represent specific technology types of Wind Farms, Solar and Tidal units. During this interim time period, all process notes referencing WFPS are applied to PPMs.

This document outlines the list of all Controllable PPMs, 5MW or more on the EirGrid and SONI systems. Each unit is categorised as level (i), (ii) or (iii). The technology types are listed and identified as appropriate within the tables. This list will continue to be updated on a monthly basis.

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<sup>1</sup> <https://www.semcommittee.com/sites/semcommittee.com/files/media-files/SEM-11-062%20Principles%20of%20Dispatch%20and%20the%20Design%20of%20the%20Market%20Schedule%20in%20the%20Trading%20and%20Settlement%20Code%20%20SEM%20Committee%20Decision%20Paper%20.pdf>

### 1.1. Ireland

PPMs connected in Ireland (MW)	January 2017	February 2017	March 2017	April 2017	May 2017	June 2017
(i)	17.1	0	0	0	10	10
(ii)	2107	2196.3	2303.97	2333.57	2389.97	2389.97
(iii)	286.8	214.6	129.2	205.6	172.65	178.65
Total	2410.9	2410.9	2433.17	2539.17	2572.62	2578.62

PPMs connected in Ireland (MW)	July 2017	August 2017	September 2017	October 2017	November 2017	December 2017
(i)	10	10	24.1	10	10	10
(ii)	2425.57	2550.82	2550.82	2588.32	2588.32	2645.17
(iii)	166.75	43.5	97.75	88.15	117.65	282.15
Total	2602.32	2604.32	2672.67	2686.47	2715.97	2937.32

- Cappawhite A was included as a Category 2 unit.
- Castlepook, Scartaglen 1, Scartaglen 2, Meenaward, Leanamore, Teevucher, Meenwaun, Cordal 1 and Cordal 2 were included as Category 3 units.

### 1.2. Northern Ireland

PPMs connected in Northern Ireland (MW)	January 2017	February 2017	March 2017	April 2017	May 2017	June 2017
(i)	26.9	26.9	26.9	26.9	26.9	26.9
(ii)	559.6	559.6	624.1	624.1	679.6	624.1
(iii)	137.15	204.07	226.55	251.15	195.65	263.65
Total	723.65	790.57	877.55	902.15	902.15	914.65

PPMs connected in Northern Ireland (MW)	July 2017	August 2017	September 2017	October 2017	November 2017	December 2017
(i)	26.9	26.9	26.9	26.9	26.9	26.9
(ii)	624.1	624.1	624.1	624.1	887.75	887.75
(iii)	263.65	263.65	311.15	311.15	47.5	73.86
Total	914.65	914.65	962.15	962.15	962.15	988.51

- Finvoy Road PV was included as a Category III unit.
- Rathsherry WFPS was included as a Category III unit.

### 1.3. Process Notes

1. Categorisation Policy Document - 5<sup>th</sup> March 2012.<sup>23</sup>
2. Performance monitoring of controllability requirements - 1<sup>st</sup> February 2013.<sup>4</sup>
3. PPMs are obliged to achieve Compliance Certificate within 12 months of energisation. (Operational Certificate, Operational Certificate Justification or Final Compliance Certificate). The Notification list process applied to PPM's without Certificate is published<sup>5</sup>. In line with the CER decision<sup>6</sup>, an additional timeline (one month per 10MW or part of) for PPM's with a Registered Capacity of >50MW is applied.
4. Notification list for testing is published<sup>7</sup>.
5. Category (i) PPM may involve the use of circuit breaker for dispatch purposes. These PPM's shall consider the appropriate procedures to bring the PPM back online (either remotely or by personnel on site) when the curtailment or constraint has been removed by the TSO.

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<sup>2</sup> <http://www.eirgridgroup.com/site-files/library/EirGrid/Wind%20Farm%20Controllability%20Categorisation%20Policy.pdf>

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<http://www.soni.ltd.uk/media/documents/Operations/Renewables/Wind%20Farm%20Controllability%20Categorisation%20Policy.pdf>

<sup>4</sup> <http://www.eirgridgroup.com/site-files/library/EirGrid/Windfarm-Performance-monitoring-process-October-2015.pdf>

<sup>5</sup> [http://www.eirgridgroup.com/site-files/library/EirGrid/2017-03-22-Notification-List-for-Testing\\_Final.pdf](http://www.eirgridgroup.com/site-files/library/EirGrid/2017-03-22-Notification-List-for-Testing_Final.pdf)

<sup>6</sup> <http://www.cer.ie/docs/001088/CER16165%20CER%20Decision%20Paper%20MEC%20Security.pdf>

<sup>7</sup> [http://www.eirgridgroup.com/site-files/library/EirGrid/2017-03-22-Notification-List-for-Testing\\_Final.pdf](http://www.eirgridgroup.com/site-files/library/EirGrid/2017-03-22-Notification-List-for-Testing_Final.pdf)

## 2. PPM Category

Ireland				
PPM Name	Associated 110kV Station	Installed Capacity MW <sup>8</sup>	Category	Type
Corkermore	Binbane	10	(i)	WFPS
<b>Total Hierarchy (i)</b>		<b>10</b>		
Altagowlan	Corderry	7.65	(ii)	WFPS
Athea	Athea	34.35	(ii)	WFPS
Ballincollig Hill	Tralee	13.3	(ii)	WFPS
Ballybane 1 & 2	Ballylickey	29.9	(ii)	WFPS
Ballybane Phase 2a	Ballylickey	13.8	(ii)	WFPS
Ballybane 3	Ballylickey	4.6	(ii)	WFPS
Ballycadden Phase 1	Crory	15	(ii)	WFPS
Ballycadden Phase 2	Crory	11.5	(ii)	WFPS
Ballymartin Phase 1	Waterford	7	(ii)	WFPS
Ballymartin Phase 2	Waterford	8	(ii)	WFPS
Ballywater	Crane	42	(ii)	WFPS
Barranafaddock	Barrymore	34.2	(ii)	WFPS
Bawnmore	Macroom	25.3	(ii)	WFPS
Beam Hill	Trillick	14	(ii)	WFPS
Bindoo	Ratrussan	48	(ii)	WFPS
Black Banks 2	Corderry	6.8	(ii)	WFPS
Boggeragh 1	Boggeragh	57	(ii)	WFPS
Boggeragh 2	Boggeragh	65	(ii)	WFPS
Booltiagh Phase 1	Booltiagh	19.5	(ii)	WFPS
Booltiagh Phase 2	Booltiagh	13.8	(ii)	WFPS
Bruckana	Lisheen	42	(ii)	WFPS
Caherdowney	Garrow	9.2	(ii)	WFPS
Carraigcannon	Boggeragh	23	(ii)	WFPS
Carrickeeny	Sligo	8	(ii)	WFPS
Carrowleagh	Glenree	36.8	(ii)	WFPS
Castledockrell	Castledockrell	41.4	(ii)	WFPS
Clahane	Clahane	40	(ii)	WFPS
Cloghboola	Cloghboola	48	(ii)	WFPS
Coomacheo	Garrow	59.8	(ii)	WFPS
Coomatallin	Dunmanway	6	(ii)	WFPS
Coomagearlahy 1 (Kilgarvan)	Coomagearlahy	45	(ii)	WFPS
Coomagearlahy 2 (Sillahertane)	Coomagearlahy	8.5	(ii)	WFPS
Coomagearlahy 3 (Inchincoosh)	Coomagearlahy	32.5	(ii)	WFPS
Cronelea 1	Carlow	4.6	(ii)	WFPS

<sup>8</sup>For the purposes of this report, it is assumed that category 3 units are fully installed.

Cronelea 2	Carlow	4.6	(ii)	WFPS
Derrybrien	Agannygal	59.5	(ii)	WFPS
Dromada	Dromada	28.5	(ii)	WFPS
Dromdeeveen	Glenlara	28	(ii)	WFPS
Drumlough Hill 2	Trillick	10.2	(ii)	WFPS
Faughary	Sligo	6	(ii)	WFPS
Flughland	Sorne Hill	9.2	(ii)	WFPS
Garracummer	Cauteen	42.5	(ii)	WFPS
Garraneragh	Macroom	9.2	(ii)	WFPS
Garvagh 1 (Glebe)	Garvagh	26	(ii)	WFPS
Garvagh 2 (Tullynahaw)	Garvagh	22	(ii)	WFPS
Gibbet Hill	Crory	15	(ii)	WFPS
Glanlee (Midas Gen unit)	Galnlee	32.45	(ii)	WFPS
Glenough	Cauteen	32.5	(ii)	WFPS
Gortahile	Carlow	20	(ii)	WFPS
Gneevess	Knockearagh	9.35	(ii)	WFPS
Grove Hill	Dundalk	17.1	(ii)	WFPS
Grouse Lodge	Rathkeale	15.42	(ii)	WFPS
Hollyford	Cauteen	9.3	(ii)	WFPS
Kealkil	Ballylickey	8.5	(ii)	WFPS
Killaveenoge	Dunmanway	25	(ii)	WFPS
Kill Hill	Kill Hill	36	(ii)	WFPS
Kingsmountain 2 (Dunneil)	Cunghill	11.05	(ii)	WFPS
Knockacummer	Knockacummer	100	(ii)	WFPS
Knockaneden	Oughtrah	9.2	(ii)	WFPS
Knockastanna	Ardnacrusha	6	(ii)	WFPS
Knockawarriga	Trien	22.5	(ii)	WFPS
Knocknagoum	Reamore	44.35	(ii)	WFPS
Knocknalour	Crory	9.2	(ii)	WFPS
Lacken	Moy	6.9	(ii)	WFPS
Leitir Guingaid	Salthill	42.8	(ii)	WFPS
Lisdowney	Portlaoise	9.2	(ii)	WFPS
Lisheen Phase 1	Lisheen	36	(ii)	WFPS
Lisheen Phase 2	Lisheen	24	(ii)	WFPS
Loughderryduff	Binbane	7.65	(ii)	WFPS
Meenachullalan	Binbane	13.8	(ii)	WFPS
Meentycat	Drumkeen	88.5	(ii)	WFPS
Monaincha	Ikerrin	36	(ii)	WFPS
Mountain Lodge	Ratrussan	31.5	(ii)	WFPS
Mountlucas	Mountlucas	84	(ii)	WFPS
Muingnaminanne	Reamore	14.8	(ii)	WFPS
Mullananalt	Meath Hill	7.5	(ii)	WFPS

Mulreavy 1	Mulreavy	90	(ii)	WFPS
Mulreavy 2	Mulreavy	5	(ii)	WFPS
Raheen Bar 2 (Derrynadivva)	Castlebar	8	(ii)	WFPS
Raheenleagh	Arklow	35.2	(ii)	WFPS
Rathcahill	Rathkeale	12.5	(ii)	WFPS
Richfield	Wexford	27	(ii)	WFPS
Sliabh Bawn	Sliabh Bawn	64	(ii)	WFPS
Sorne Hill 1 & 2	Sorne Hill	38.9	(ii)	WFPS
Spaddan	Cathaleen's Fall	17.1	(ii)	WFPS
Taubeg	Glenlara	25.3	(ii)	WFPS
Tournafulla 1	Trien	7.5	(ii)	WFPS
Tournafulla 2	Trien	19.5	(ii)	WFPS
Tullynamoyle	Corderry	9.2	(ii)	WFPS
Uggool	Uggool	64	(ii)	WFPS
Woodhouse	Woodhouse	20	(ii)	WFPS
Glencarbry	Cauteen	35.6	(ii)	WFPS
Moneypoint	Moneypoint	17.25	(ii)	WFPS
Seecon	Uggool	108	(ii)	WFPS
Ballybay	Thurles	13.8	(ii)	WFPS
Foyle	Thurles	9.6	(ii)	WFPS
Tullabrack	Tullabrack	14.1	(ii)	WFPS
Cappawhite A	Cauteen	56.85	(ii)	WFPS
<b>Total Hierarchy (ii)</b>		<b>2645.17</b>		
Killin Hill	Binbane	6	(iii)	WFPS
An Cnoc	Thurles	11.5	(iii)	WFPS
Tullynamoyle 3	Corderry	13.5	(iii)	WFPS
Tullynamoyle 2	Corderry	11.5	(iii)	WFPS
Knocknatallig	Charleville	19.2	(iii)	WFPS
Castlepook	Charleville	35	(iii)	WFPS
Cordal 1	Cordal	35.2	(iii)	WFPS
Cordal 2	Cordal	54.4	(iii)	WFPS
Scartaglen 1	Cordal	41	(iii)	WFPS
Scartaglen 2	Cordal	6	(iii)	WFPS
Meenaward	Trillick	6.9	(iii)	WFPS
Leanamore	Kilpadogge	20.7	(iii)	WFPS
Teevurcher	Meath Hill	10.25	(iii)	WFPS
Meenwaun	Dallow	11	(iii)	WFPS
<b>Total Hierarchy (iii)</b>		<b>282.15</b>		
NB This does not include Pre Grid Code, exempt PPMs or Units <5MW				

Northern Ireland				
PPM Name	Associated 110kV Station	Installed Capacity MW <sup>9</sup>	Category	Type
Callagheen	Enniskillen	16.9	(i) Compliance certificate not achieved through process	WFPS
Wolf Bog	Larne	10	(i) Compliance certificate not achieved through process	WFPS
<b>Total Hierarchy (i)</b>		<b>26.9</b>		
Owenreagh 2	Strabane	5.1	(ii)	WFPS
Curryfree	Lisamore	15	(ii)	WFPS
Altahullion 2	Limavady	11.7	(ii)	WFPS
Bessy Bell 2	Omagh	9	(ii)	WFPS
Bin Mountain	Strabane	9	(ii)	WFPS
Church Hill	Magherakeel	18.4	(ii)	WFPS
Crighshane	Magherakeel	32.2	(ii)	WFPS
Crockagarran	Dungannon	17.5	(ii)	WFPS
Garves	Coleraine	15	(ii)	WFPS
Gruig	Coleraine	25	(ii)	WFPS
Hunters Hill	Omagh	20	(ii)	WFPS
Lough Hill	Strabane	7.8	(ii)	WFPS
Screggagh	Omagh	20	(ii)	WFPS
Slieve Divena	Omagh	30	(ii)	WFPS
Slieve Kirk	Killymallaght	73.6	(ii)	WFPS
Slieve Rushen 2	Aghyoule	54	(ii)	WFPS
Tappaghan	Omagh	28.5	(ii)	WFPS
Carrickatane	Killymallaght	20.7	(ii)	WFPS
Carn Hill	Carnmoney	13.8	(ii)	WFPS
Dunmore	Coleraine	21	(ii)	WFPS
Dunbeg	Coleraine	42	(ii)	WFPS
Molly Mountain	Aghyoule	15	(ii)	WFPS
Thornog	Magherakeel	20	(ii)	WFPS
Monnaboy	Coolkeeragh	12	(ii)	WFPS
Tievenameenta	Magherakeel	34.5	(ii)	WFPS
Oramore	Enniskillen	15	(ii)	WFPS
Gortfinbar	Tremoge	15	(ii)	WFPS
Seegronan	Magherakeel	14.1	(ii)	WFPS
Cloonty	Loguestown	9.2	(ii)	WFPS
Eglish	Killymallaght	15	(ii)	WFPS
Glenbuck	Rasharkin	9.2	(ii)	WFPS
Eshmore	Tremoge	7.05	(ii)	WFPS

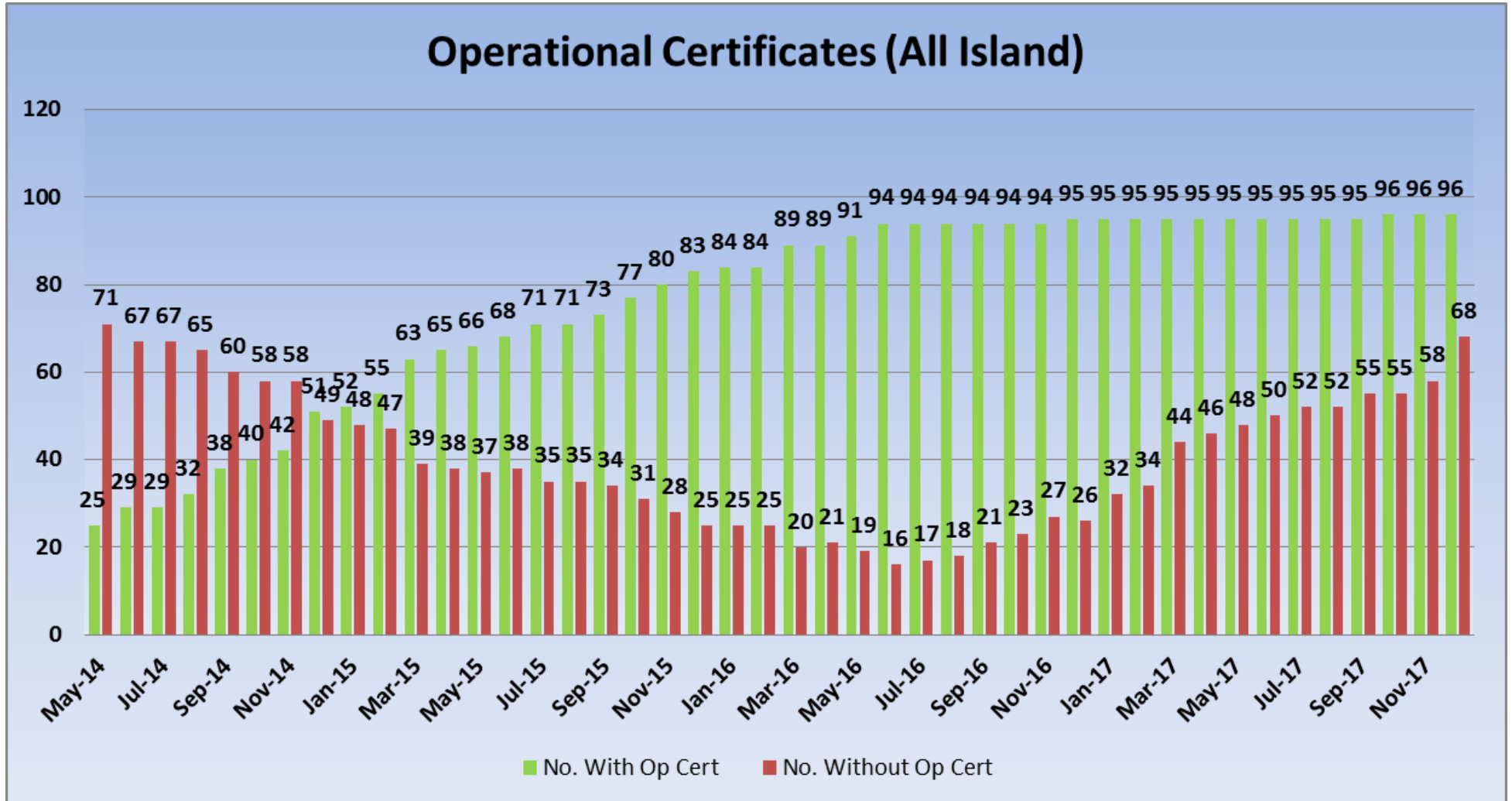
<sup>9</sup>For the purposes of this report, it is assumed that category 3 units are fully installed.



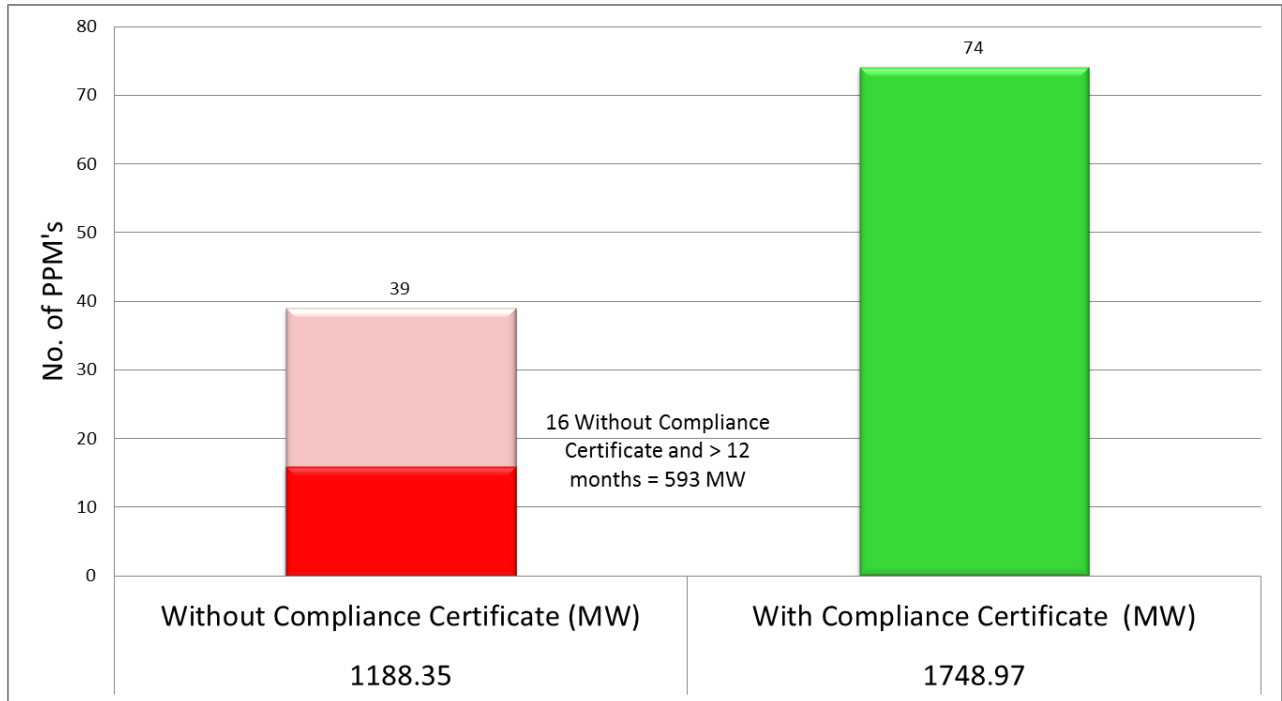
Slieve Divena 2	Gort	20	(ii)	WFPS
Crockbaravally	Gort	7.5	(ii)	WFPS
Crockandun	Tremoge	15	(ii)	WFPS
Shantavny Scotch	Gort	16.1	(ii)	WFPS
Inishative	Tremoge	13.8	(ii)	WFPS
Altaveedan	Rasharkin	18	(ii)	WFPS
Altamuskin	Gort	14.1	(ii)	WFPS
Cregganconroe	Tremoge	13.8	(ii)	WFPS
Long Mountain	Rasharkin	27.6	(ii)	WFPS
Crockdun	Tremoge	12.5	(ii)	WFPS
Bann Road PV	Rasharkin	29.81	(ii)	PV
Lisburn Solar Park	Lisburn	16.92	(ii)	PV
Lough Road	Lisburn	21.00	(ii)	PV
Millar Farm	Antrim Main	6.27	(ii)	PV
<b>Total Hierarchy (ii)</b>		<b>887.75</b>		
Brockaghboy	Rasharkin	47.5	(iii)	WFPS
Finvoy Road PV	Lisburn	5.21	(iii)	PV
Rathsherry	Ballymena	21.15	(iii)	WFPS
<b>Total Hierarchy (iii)</b>		<b>73.86</b>		
NB This does not include Pre Grid Code, exempt PPMs or Units <5MW				

### 3. Compliance Certificate status

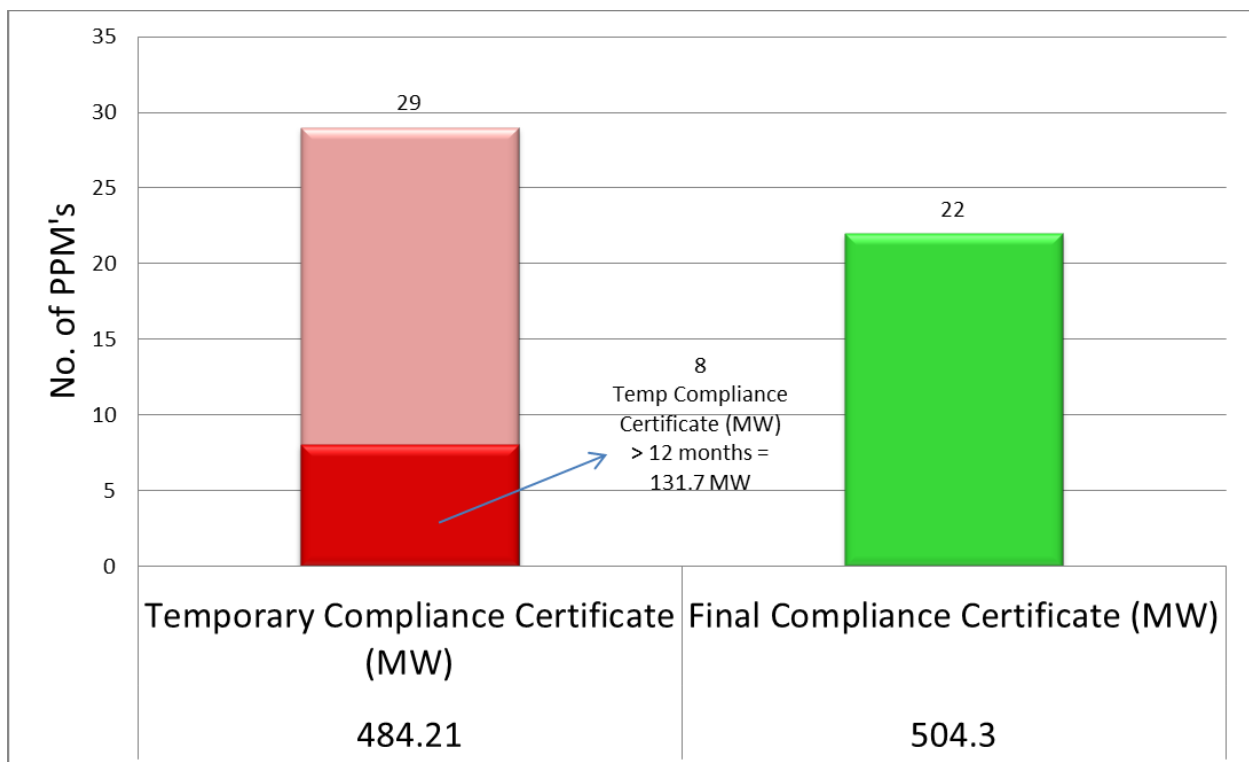
#### 3.1. Overall



### 3.2. Ireland



### 3.3. Northern Ireland



## 4. CONTACTS

If you have any specific queries please contact [info@eirgrid.com](mailto:info@eirgrid.com) or [neartime@soni.ltd.uk](mailto:neartime@soni.ltd.uk).