

Controllability Status Update

November 2016



1. INTRODUCTION

The SEM-11-062 decision paper¹ identified a three-level hierarchy classification for Wind Farm Power Stations (WFPS) in Ireland and Northern Ireland. This document outlines the list of all Controllable WFPS, 5MW or more on the EirGrid and SONI system. Each unit is categorised as level (i), (ii) or (iii). This list will continue to be updated on a monthly basis.

2. SUMMARY

The following tables include updates on controllability status for November 2016.

2.1. Ireland

| Wind Farms connected in Ireland (MW) | December 2015 | January 2016 | February 2016 | March 2016 | April 2016 | May 2016 |
|--------------------------------------|---------------|--------------|---------------|------------|------------|----------|
| (i) | 118 | 118 | 129.5 | 87.5 | 59.5 | 59.5 |
| (ii) | 1888.8 | 1888.8 | 1877.3 | 1919.3 | 1947.3 | 1947.3 |
| (iii) | 65 | 65 | 65 | 65 | 65 | 65 |

| Wind Farms connected in Ireland (MW) | June 2016 | July 2016 | August 2016 | September 2016 | October 2016 | November 2016 |
|--------------------------------------|-----------|-----------|-------------|----------------|--------------|---------------|
| (i) | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| (ii) | 1947.3 | 2012.3 | 2012.3 | 2012.3 | 2047.5 | 2047.5 |
| (iii) | 65 | 0 | 35.2 | 205.5 | 214.9 | 214.9 |

- No update.

¹ <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>

2.2. Northern Ireland

| Wind Farms connected in Northern Ireland (MW) | December 2015 | January 2016 | February 2016 | March 2016 | April 2016 | May 2016 |
|---|---------------|--------------|---------------|------------|------------|----------|
| (i) | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 |
| (ii) | 524.3 | 536.3 | 536.3 | 536.3 | 536.3 | 536.3 |
| (iii) | 12 | 0 | 0 | 0 | 14.1 | 14.1 |

| Wind Farms connected in Northern Ireland (MW) | June 2016 | July 2016 | August 2016 | September 2016 | October 2016 | November 2016 |
|---|-----------|-----------|-------------|----------------|--------------|---------------|
| (i) | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 |
| (ii) | 536.3 | 536.3 | 536.3 | 536.3 | 559.6 | 559.6 |
| (iii) | 14.1 | 23.3 | 23.3 | 23.3 | 49.5 | 64.5 |

- Tievenameenta, Ora More and Eglis included as commissioning units within category (3).

2.3. Process Notes

1. WFPS Categorisation Policy Document -5th March 2012.²³
2. Performance monitoring of controllability requirements applied to WFPS - 1st February 2013.⁴
3. WFPS are obliged to achieve Compliance Certificate within 12 months of Energisatation. (Operational Certificate, Operational Certificate Justification or Final Compliance Certificate). The Notification list process applied to WFPS without Certificate is published⁵.
4. Notification list for testing is published⁶.
5. Category (i) WFPS may involve the use of circuit breaker for dispatch purposes. These WFPS shall consider the appropriate procedures to bring the WFPS back online (either remotely or by personnel on site) when the curtailment or constraint has been removed by the TSO.
6. Grid Code Compliance Testing or Dispatch testing will not be programmed for the period of December 19th to January 4th.

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

³ <http://www.soni.ltd.uk/media/documents/Operations/Renewables/Wind%20Farm%20Controllability%20Categorisation%20Policy.pdf>

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

⁵ <http://www.eirgridgroup.com/site-files/library/EirGrid/2016-03-04-Notification-List-for-Testing.pdf>

⁶ <http://www.eirgridgroup.com/site-files/library/EirGrid/2016-03-04-Notification-List-for-Testing.pdf>

3. WFPS Category

| Ireland | | | |
|--------------------------------|--------------------------|-----------------------|----------------------------|
| WFPS Name | Associated 110kV Station | Installed Capacity MW | Category |
| Derrybrien | Agannygal | 59.5 | (i) Controllability issues |
| Total Hierarchy (i) | | 59.5 | |
| Altagowlan | Corderry | 7.65 | (ii) |
| Athea | Athea | 34.35 | (ii) |
| Ballinacollig Hill | Tralee | 13.3 | (ii) |
| Ballybane 1 & 2 | Ballylickey | 29.9 | (ii) |
| Ballybane Phase 2a | Ballylickey | 11.5 | (ii) |
| Ballycadden Phase 1 | Crory | 15 | (ii) |
| Ballycadden Phase 2 | Crory | 11.5 | (ii) |
| Ballymartin Phase 1 | Waterford | 6 | (ii) |
| Ballymartin Phase 2 | Waterford | 8 | (ii) |
| Ballywater | Crane | 42 | (ii) |
| Barranafaddock | Barrymore | 34.2 | (ii) |
| Bawnmore | Macroom | 25.3 | (ii) |
| Beam Hill | Trillick | 14 | (ii) |
| Bindoo | Ratrussan | 48 | (ii) |
| Black Banks 2 | Corderry | 6.8 | (ii) |
| Boggeragh 1 | Boggeragh | 57 | (ii) |
| Boggeragh 2 | Boggeragh | 65 | (ii) |
| Booltiagh Phase 1 | Booltiagh | 19.5 | (ii) |
| Booltiagh Phase 2 | Booltiagh | 13.8 | (ii) |
| Bruckana | Lisheen | 39.6 | (ii) |
| Caherdowney | Garrow | 9.2 | (ii) |
| Carraigcannon | Boggeragh | 23 | (ii) |
| Carrickeeny | Sligo | 8 | (ii) |
| Carrowleagh | Glenree | 36.8 | (ii) |
| Castledockrell | Castledockrell | 41.4 | (ii) |
| Clahane | Clahane | 40 | (ii) |
| Cloghboola | Cloghboola | 48 | (ii) |
| Coomacheo | Garrow | 59.8 | (ii) |
| Coomatallin | Dunmanway | 6 | (ii) |
| Coomagearlahy 1 (Kilgarvan) | Coomagearlahy | 45 | (ii) |
| Coomagearlahy 2 (Sillahertane) | Coomagearlahy | 8.5 | (ii) |
| Coomagearlahy 3 (Inchincoosh) | Coomagearlahy | 32.5 | (ii) |
| Corkermore | Binbane | 10 | (ii) |
| Cronelea 1 | Carlow | 4.6 | (ii) |
| Cronelea 2 | Carlow | 4.6 | (ii) |

| | | | |
|-----------------------------|--------------|-------|------|
| Dromada | Dromada | 28.5 | (ii) |
| Dromdeeveen | Glenlara | 28 | (ii) |
| Drumlough Hill 2 | Trillick | 10.2 | (ii) |
| Faughary | Sligo | 6 | (ii) |
| Flughland | Sorne Hill | 9.2 | (ii) |
| Garracummer | Cauteen | 42.5 | (ii) |
| Garraneragh | Macroom | 9.2 | (ii) |
| Garvagh 1 (Glebe) | Garvagh | 26 | (ii) |
| Garvagh 2 (Tullynahaw) | Garvagh | 22 | (ii) |
| Gibbet Hill | Crory | 15 | (ii) |
| Glanlee (Midas Gen unit) | Galnlee | 32.45 | (ii) |
| Glenough | Cauteen | 32.5 | (ii) |
| Gortahile | Carlow | 20 | (ii) |
| Gneevs | Knockearagh | 9.35 | (ii) |
| Grouse Lodge | Rathkeale | 15 | (ii) |
| Hollyford | Cauteen | 9 | (ii) |
| Kealkil | Ballylickey | 8.5 | (ii) |
| Kill Hill | Kill Hill | 36 | (ii) |
| Kingsmountain 2 (Dunneil) | Cunghill | 11.05 | (ii) |
| Knockacummer | Knockacummer | 100 | (ii) |
| Knockaneden | Oughtrah | 9.2 | (ii) |
| Knockastanna | Ardnacrusha | 6 | (ii) |
| Knockawarriga | Trien | 22.5 | (ii) |
| Knocknagoum | Reamore | 44.35 | (ii) |
| Knocknalour | Crory | 9.2 | (ii) |
| Lacken | Moy | 6.9 | (ii) |
| Leitir Guingaid | Salthill | 42.8 | (ii) |
| Lisheen Phase 1 | Lisheen | 36 | (ii) |
| Lisheen Phase 2 | Lisheen | 24 | (ii) |
| Loughderryduff | Binbane | 7.65 | (ii) |
| Meenachullalan | Binbane | 13.8 | (ii) |
| Meentycat | Drumkeen | 86.4 | (ii) |
| Monaincha | Ikerrin | 35.95 | (ii) |
| Mountain Lodge | Ratrussan | 31.5 | (ii) |
| Mountlucas | Mountlucas | 80 | (ii) |
| Muingnaminanne | Reamore | 14.8 | (ii) |
| Mullananalt | Meath Hill | 7.5 | (ii) |
| Raheen Bar 2 (Derrynadivva) | Castlebar | 8 | (ii) |
| Raheenleagh | Arklow | 35.2 | (ii) |
| Rathcahill | Rathkeale | 12.5 | (ii) |

| | | | |
|---|------------------|---------------|-------|
| Richfield | Wexford | 27 | (ii) |
| Sorne Hill 1 & 2 | Sorne Hill | 38.9 | (ii) |
| Spaddan | Cathaleen's Fall | 17.1 | (ii) |
| Taurbeg | Glenlara | 25.3 | (ii) |
| Tournafulla 1 | Trien | 7.5 | (ii) |
| Tournafulla 2 | Trien | 18 | (ii) |
| Tullynamoyle | Corderry | 9.2 | (ii) |
| Woodhouse | Woodhouse | 20 | (ii) |
| Total Hierarchy (ii) | | 2047.5 | |
| Grove Hill | Dundalk | 17.1 | (iii) |
| Mulreavy 1 | Mulreavy | 90 | (iii) |
| Mulreavy 2 | Mulreavy | 5 | (iii) |
| Sliabh Bawn | Sliabh Bawn | 58 | (iii) |
| Lisdowney | Portlaoise | 9.2 | (iii) |
| Glencarbry | Cauteen | 35.6 | (iii) |
| | | 214.9 | |
| NB This does not include Pre Grid Code, exempt WFPS or Units <5MW | | | |

| Northern Ireland | | | |
|----------------------------|--------------------------|-----------------------|---|
| WFPS Name | Associated 110kV Station | Installed Capacity MW | Category |
| Callagheen | Enniskillen | 16.9 | (i) Compliance certificate not achieved through process |
| Wolf Bog | Larne | 10 | (i) Compliance certificate not achieved through process |
| Total Hierarchy (i) | | 26.9 | |
| Owenreagh 2 | Strabane | 5.1 | (ii) |
| Curryfree | Lisamore | 15 | (ii) |
| Altahullion 2 | Limavady | 11.7 | (ii) |
| Bessy Bell 2 | Omagh | 9 | (ii) |
| Bin Mountain | Strabane | 9 | (ii) |
| Church Hill | Magherakeel | 18.4 | (ii) |
| Crighshane | Magherakeel | 32.2 | (ii) |
| Crockagarran | Dungannon | 17.5 | (ii) |
| Garves | Coleraine | 15 | (ii) |
| Gruig | Coleraine | 25 | (ii) |
| Hunters Hill | Omagh | 20 | (ii) |
| Lough Hill | Strabane | 7.8 | (ii) |
| Screggagh | Omagh | 20 | (ii) |
| Slieve Divena | Omagh | 30 | (ii) |
| Slieve Kirk | Killymallaght | 73.6 | (ii) |
| Slieve Rushen 2 | Aghyoule | 54 | (ii) |

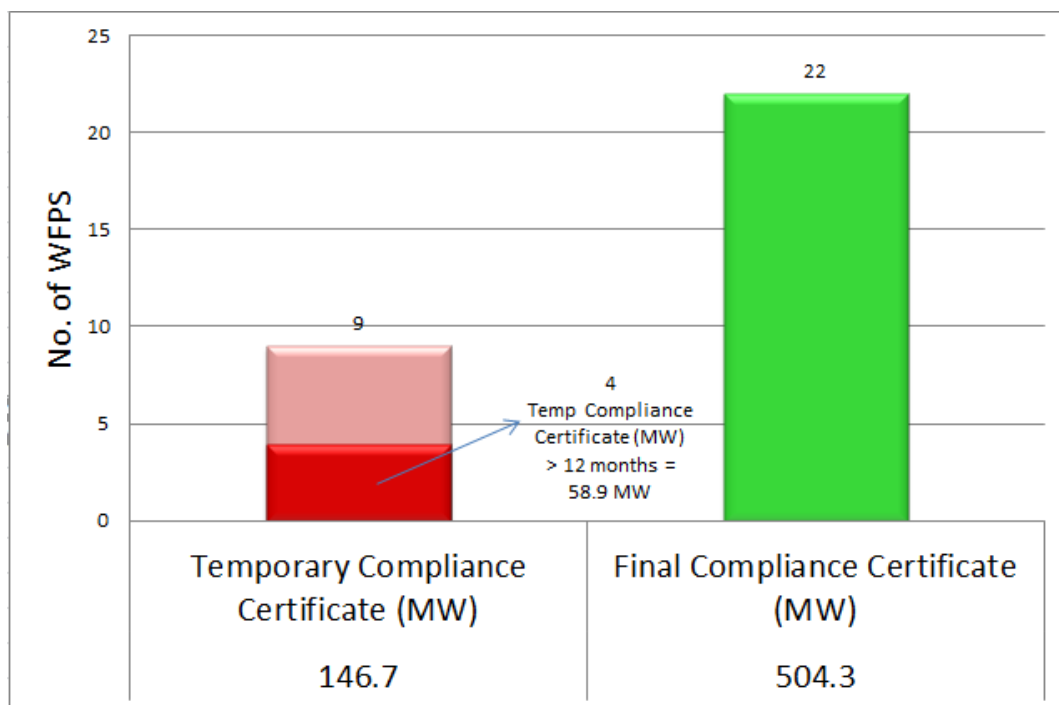
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|---|---------------|--------------|-------|
| Tappaghan | Omagh | 28.5 | (ii) |
| Carrickatane | Killymallaght | 20.7 | (ii) |
| Carn Hill | Carnmoney | 13.8 | (ii) |
| Dunmore | Coleraine | 21 | (ii) |
| Dunbeg | Coleraine | 42 | (ii) |
| Thornog | Magherakeel | 20 | (ii) |
| Molly Mountain | Aghyoule | 15 | (ii) |
| Monnaboy | Coolkeeragh | 12 | (ii) |
| Seegronan | Magherakeel | 14.1 | (ii) |
| Cloonty | Loguestown | 9.2 | (ii) |
| Total Hierarchy (ii) | | 559.6 | |
| Tievenameenta | Magherakeel | 34.5 | (iii) |
| Ora More | Enniskillen | 15 | (iii) |
| Eglish | Killymallaght | 15 | (iii) |
| Total Hierarchy (iii) | | 64.5 | |
| NB This does not include Pre Grid Code, exempt WFPS or Units <5MW | | | |

4. Compliance Certificate status

4.1. Ireland



4.2. Northern Ireland



5. CONTACTS

If you have any specific queries please contact info@eirgrid.com or neartime@soni.ltd.uk.