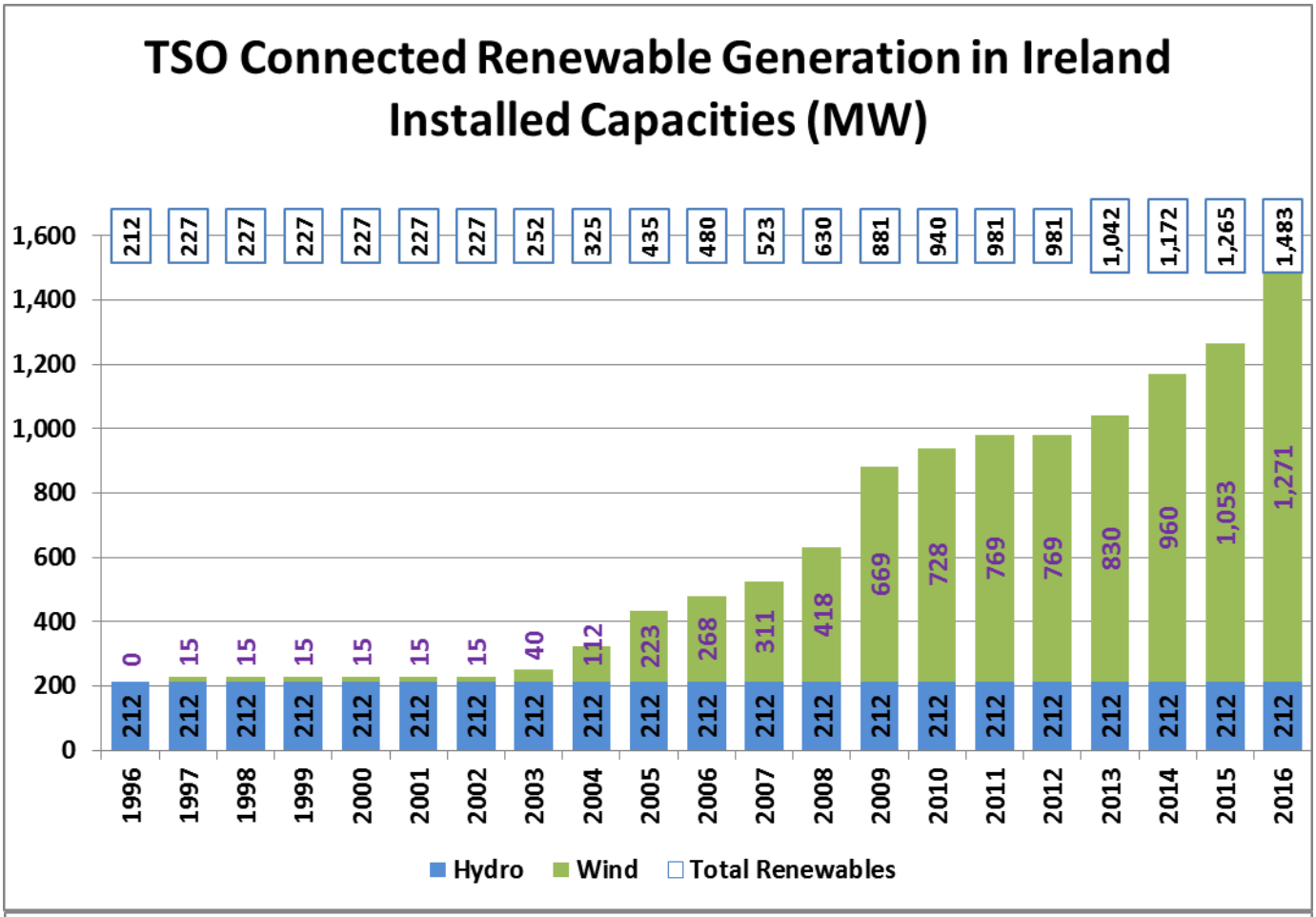
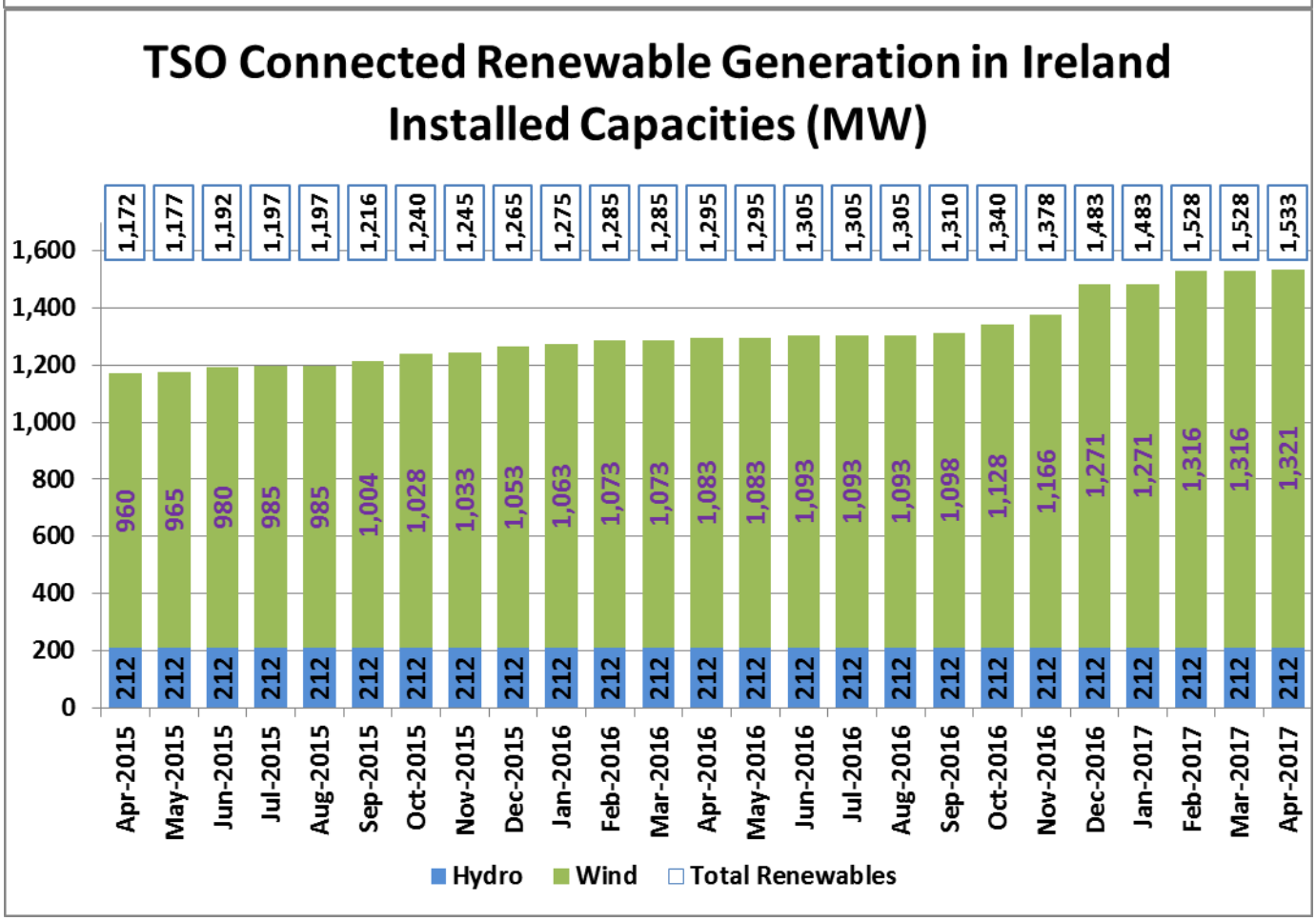
Transmission Connected Wind Farms in Ireland

Correct as of 01/May/2017

No	Type	Gate	Ref	Windfarm	Phase	Connection Full / Partial	Maximum Export Capacity (MW)	Installed Capacity (MW)	Full / Latest Connection Date	Notes	County	No of Turbines	Controllable
1	Onshore	PG	P25	Golagh	1	Full	15	15	Jul-1997		Donegal	25	N
2	Onshore	PG	P38A	Kingsmountain	1	Full	23.75	25	May-2003		Sligo	10	N
3	Onshore	PG	P38BDF	Meentycat	1	Full	70.96	72.4	Oct-2004		Donegal	38	Y
4	Onshore	PG	TG13	Ballywater	1	Full	31.5	31.5	May-2005		Wexford	16	Y
5	Onshore	PG	TG07	Booltiagh	1	Full	19.45	19.5	Aug-2005		Clare	13	Y
6	Onshore	PG	P33	Derrybrien	1	Full	59.5	59.5	Oct-2005		Galway	70	Y
7	Onshore	PG	TG11	Coomagearlahy	1	Full	42.5	45	Mar-2006		Kerry	15	Y
8	Onshore	1	TG47	Midas	1	Full	29.8	32.45	Jul-2007	Glanlee 1	Kerry	23	Y
9	Onshore	2	TG35	Ballywater	2	Full	10.5	10.5	Aug-2007		Wexford	5	Y
10	Onshore	PG	TG06	Mountain Lodge	1	Full	24.8	25.5	Apr-2008		Cavan	17	Y
11	Onshore	1	TG12	Pallas	1	Full	37.8	40	Jun-2008	Clahane 1	Kerry	20	Y
12	Onshore	1	TG18	Coomacheo	1	Full	41.225	41.4	Jun-2008		Cork	18	Y
13	Onshore	2	TG50	Coomagearlahy	2	Full	8.5	8.5	Mar-2009		Kerry	10	Y
14	Onshore	2	TG52	Mountain Lodge	3	Full	5.82	6	Mar-2009		Cavan	4	Y
15	Onshore	2	TG54	Coomagearlahy	3	Full	30	32.5	Jun-2009		Kerry	13	Y
16	Onshore	2	DG187	Coomacheo	2	Full	18	18.4	Jul-2009		Cork	8	Y
17	Onshore	2	TG55	Lisheen	1	Full	36	36	Jul-2009		Tipperary	18	Y
18	Onshore	1	TG65	Meentycat	2	Full	14	16.1	Oct-2009		Donegal	7	Y
19	Onshore	PG	P38-1	Bindoo	1a	Full	48	48	Oct-2009	Ratrussan	Cavan	32	Y
20	Onshore	2	TG29	Boggeragh	1	Full	57	57	Dec-2009		Cork	19	Y
21	Onshore	2	DG141	Dromada	1	Full	28.5	28.5	Dec-2009		Limerick	19	Y
22	Onshore	2	TG23a	Garvagh	1a	Full	26	26	Jun-2010	Glebe	Leitrim	13	Y
23	Onshore	2	TG23c	Garvagh	1c	Full	22	22	Jun-2010	Tullynahaw	Roscommon	11	Y
24	Onshore	2	TG40	Kingsmountain	2	Full	11.05	11.05	Jun-2010		Sligo	13	Y
25	Onshore	2	DG88	Castledockrell	1	Full	20	20.7	Jan-2011		Wexford	9	Y
26	Onshore	2	DG172	Castledockrell	2	Full	2	2.3	Jan-2011		Wexford	1	Y
27	Onshore	2	DG189	Castledockrell	3	Full	3.3	2.3	Jan-2011		Wexford	1	Y
28	Onshore	2	DG201	Castledockrell	4	Full	16.1	16.1	Jan-2011		Wexford	7	Y
29	Onshore	2	TG55a	Lisheen	2	Full	23	24	May-2013		Tipperary	12	Y
30	Onshore	2	TG38	Booltiagh	2	Full	12	12	Sep-2013	Booltiagh 2 & 3 [TG38 & TG39]	Clare	6	Y
31	Onshore	1	TG22a	Athea	1a	Full	34.35	34.35	Feb-2014		Limerick	16	Y
32	Onshore	3	TG66	Mountlucas	1	Full	79.2	84	Nov-2014		Offaly	28	Y
33	Onshore	3	TG69	Kill Hill	1	Full	36	36	Dec-2014		Tipperary	16	Y
34	Onshore	3	DG135	Woodhouse	1	Full	20	20	Jun-2015		Waterford	8	Y
35	Onshore	2	DG50	Cloghboola	1	Full	46	48	Oct-2015	Knocknagashel	Kerry	16	Y
36	Onshore	3	TG102	Boggeragh	2	Full	65.7	65.7	Jun-2016	Knockduff + Killavoy 1 [DG200]	Cork	26	Y
37	Onshore	3	DG308	Mulreavy	2	Full	5.4	5	Oct-2016	Meenadreen South 2	Donegal	2	Y
38	Onshore	3	TG94	Sliabh Bawn	1	Full	58	64	Dec-2016		Roscommon	20	Y
39	Onshore	2	TG51	Mulreavy	1	Full	89.85	90	Feb-2017	Mulreavy 1 (82MW)[TG51] + Croaghnameal 1 (4.25MW)[DG198] + Meenadreen South 1 (3.6MW)[DG65]	Donegal	36	Y
40	Onshore	3	DG92	Uggool	1	Full	64	64	Feb-2017		Galway	22	Y
41	Onshore	3	TG58	Seecon	1	Partial	105	5	Apr-2017		Galway		Y
					Totals:		**1,391.555**	**1,321.250**				**663**	

The distribution connected windfarm list can be found on the Distribution System Operator's (DSO) website:
https://esbnetworks.ie/new-connections/generator-connections/generator-connection-statistics


TSO Connected Renewable Generation in Ireland
Installed Capacities (MW)
1,600
1,400
1,200
1,000
800
600
400
200
0
212 227 227 227 227 227 227 252 325 435 480 523 630 881 940 981 981 1,042 1,172 1,265 1,483
0 15 15 15 15 15 15 40 112 223 268 311 418 669 728 769 769 830 960 1,053 1,271
212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212
1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016
Hydro
Wind
Total Renewables


TSO Connected Renewable Generation in Ireland
Installed Capacities (MW)
1,600
1,400
1,200
1,000
800
600
400
200
0
1,172 1,177 1,192 1,197 1,197 1,216 1,240 1,245 1,265 1,275 1,285 1,285 1,295 1,295 1,305 1,305 1,305 1,310 1,340 1,378 1,483 1,483 1,528 1,528 1,533
960 965 980 985 985 1,004 1,028 1,033 1,053 1,063 1,073 1,073 1,083 1,083 1,093 1,093 1,093 1,098 1,128 1,166 1,271 1,271 1,316 1,316 1,321
212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212 212
Apr-2015 May-2015 Jun-2015 Jul-2015 Aug-2015 Sep-2015 Oct-2015 Nov-2015 Dec-2015 Jan-2016 Feb-2016 Mar-2016 Apr-2016 May-2016 Jun-2016 Jul-2016 Aug-2016 Sep-2016 Oct-2016 Nov-2016 Dec-2016 Jan-2017 Feb-2017 Mar-2017 Apr-2017
Hydro
Wind
Total Renewables

TSO Connected Renewable Generation in Ireland

Installed Capacities (MW)

Year	Hydro	Wind	Total Renewables
1990	212.18	0	212.18
1991	212.18	0	212.18
1992	212.18	0	212.18
1993	212.18	0	212.18
1994	212.18	0	212.18
1995	212.18	0	212.18
1996	212.18	0	212.18
1997	212.18	15	227.18
1998	212.18	15	227.18
1999	212.18	15	227.18
2000	212.18	15	227.18
2001	212.18	15	227.18
2002	212.18	15	227.18
2003	212.18	40	252.18
2004	212.18	112.4	324.58
2005	212.18	222.9	435.08
2006	212.18	267.9	480.08
2007	212.18	310.85	523.03
2008	212.18	417.75	629.93
2009	212.18	668.75	880.93
2010	212.18	727.8	939.98
2011	212.18	769.2	981.38
2012	212.18	769.2	981.38
2013	212.18	830.2	1042.38
2014	212.18	959.55	1171.73
2015	212.18	1052.55	1264.73
2016	212.18	1271.25	1483.43

Month	Hydro	Wind	Total Renewables
Jan-2014	**212.18**	**830.2**	**1042.38**
Feb-2014	212.18	839.55	1051.73
Mar-2014	212.18	839.55	1051.73
Apr-2014	212.18	839.55	1051.73
May-2014	212.18	857.55	1069.73
Jun-2014	212.18	857.55	1069.73
Jul-2014	212.18	884.55	1096.73
Aug-2014	212.18	896.55	1108.73
Sep-2014	212.18	908.55	1120.73
Oct-2014	212.18	913.55	1125.73
Nov-2014	212.18	928.55	1140.73
Dec-2014	212.18	959.55	1171.73
Jan-2015	**212.18**	**959.55**	**1171.73**
Feb-2015	212.18	959.55	1171.73
Mar-2015	212.18	959.55	1171.73
Apr-2015	212.18	959.55	1171.73
May-2015	212.18	964.55	1176.73
Jun-2015	212.18	979.55	1191.73
Jul-2015	212.18	984.55	1196.73
Aug-2015	212.18	984.55	1196.73
Sep-2015	212.18	1003.55	1215.73
Oct-2015	212.18	1027.55	1239.73
Nov-2015	212.18	1032.55	1244.73
Dec-2015	212.18	1052.55	1264.73
Jan-2016	**212.18**	**1062.55**	**1274.73**
Feb-2016	212.18	1072.55	1284.73
Mar-2016	212.18	1072.55	1284.73
Apr-2016	212.18	1082.55	1294.73
May-2016	212.18	1082.55	1294.73
Jun-2016	212.18	1093.25	1305.43
Jul-2016	212.18	1093.25	1305.43
Aug-2016	212.18	1093.25	1305.43
Sep-2016	212.18	1098.25	1310.43
Oct-2016	212.18	1128.25	1340.43
Nov-2016	212.18	1165.65	1377.83
Dec-2016	212.18	1271.25	1483.43
Jan-2017	**212.18**	**1271.25**	**1483.43**
Feb-2017	212.18	1316.25	1528.43
Mar-2017	212.18	1316.25	1528.43
Apr-2017	212.18	1321.25	1533.43

Frequently Asked Questions

- **Q: What is the difference between transmission (TSO) connected and distribution (DSO) connected wind?**
  A: The power grid consists of two parts, a transmission system (high voltage power lines) and a distribution system (medium and low voltage power lines into homes and businesses).
  The transmission system is operated by EirGrid also known as the Transmission System Operator (TSO).
  The distribution system is operated by ESB Networks also known as the Distribution System Operator (DSO).
  Windfarms connected to the transmission system are known as TSO-connected windfarms.
  Likewise, windfarms connected to the distribution system are known as DSO-connected windfarms.
  Currently the TSO and DSO publish two separate lists of TSO-connected and DSO-connected windfarms and all other types of generators as well.

- **Q: What is the difference between the Maximum Export Capacity (MEC) and the installed capacity?**
  A: Prior to building a windfarm, a connection agreement must be signed with the grid operator (TSO or DSO). This connection agreement would specify the maximum allowable power that can be exported by the windfarm to the grid, known as the Maximum Export Capacity (MEC). The grid operator would then upgrade that part of the network to cater for this new capacity. The installed capacity of the windfarm would then begin to increase as the turbines are gradually built. The table on page 1 shows both the agreed MEC and the latest installed capacity of the windfarm and whether it is fully or partially connected. The installed capacities of a windfarm may be slightly higher than its MEC, but the power output would be limited so that it would not exceed this agreed MEC.

- **Q: Why is the number of turbines not available for certain windfarms?**
  A: This is the case for partially connected windfarms.
  This information may not be available until these windfarms are fully connected.

- **Q: Why do the connected MW and dates in the table on page 1 not match the MW growth in the annual/monthly charts and tables that follow?**
  A: Once a large windfarm is first energised, it can take a number of months for the installed capacity to grow as the turbines are gradually built and commissioned until the windfarm is fully connected. The annual and monthly MW capacity charts and tables reflect this gradual growth accurately whereas it would be unwieldy to reflect that in the table on page 1. This table only shows the final connection date for fully connected windfarms and the latest capacity increase date for partially connected windfarms.

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