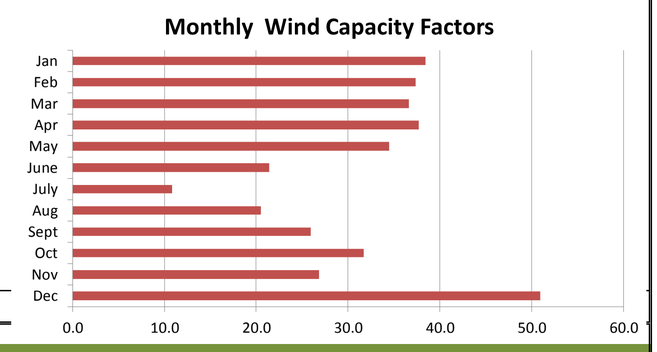
Group Operations

All-Island Wind and Fuel Mix Summary Report

2013

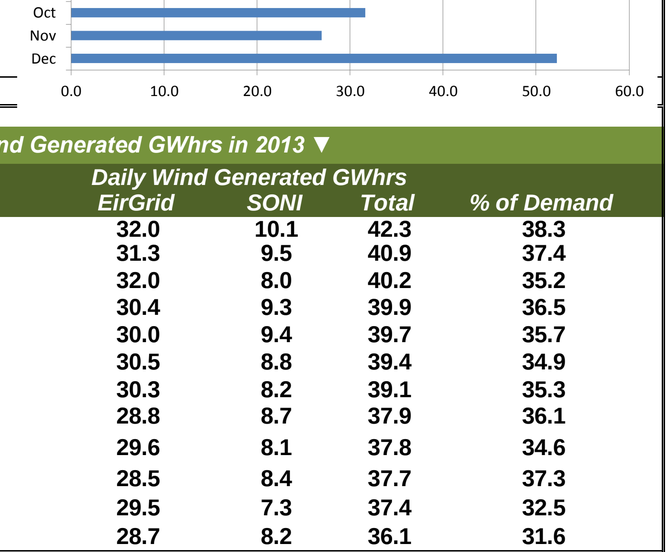
▼EirGrid System Data ▼

	Installed Wind Capacity (MW)			Max Wind			Max Wind Penetration			Capacity Factor %
Month	EirGrid	SONI	Total	(MW)	Date	Time	%	Date	Time	Monthly
Jan	1,637	451	2088	1,494	17-Jan-13	20:15	52.6	27-Jan-13	08:30	38.4
Feb	1,637	451	2088	1,505	04-Feb-13	14:00	52.3	17-Feb-13	03:15	37.4
Mar	1,637	472	2109	1,540	21-Mar-13	18:45	51.9	10-Mar-13	07:15	36.6
Apr	1,637	472	2109	1,419	01-Apr-13	14:00	54.5	14-Apr-13	07:00	37.7
May	1,637	472	2109	1,311	03-May-13	15:00	52.7	09-May-13	02:15	34.5
June	1,733	472	2205	1,322	23-Jun-13	13:45	54.5	22-Jun-13	04:15	21.4
July	1,747	531	2278	1,034	04-Jul-13	11:00	46.6	02-Jul-13	05:00	10.9
Aug	1,747	531	2278	1,146	20-Aug-13	19:45	49.6	17-Aug-13	07:00	20.5
Sept	1,755	531	2286	1,358	15-Sep-13	13:00	58.6	16-Sep-13	03:45	26.0
Oct	1,804	531	2336	1,402	27-Oct-13	11:15	52.9	27-Oct-13	07:45	31.7
Nov	1,844	531	2376	1,564	20-Nov-13	08:00	54.8	02-Nov-13	07:30	26.9
Dec	1,844	531	2376	1,769	17-Dec-13	18:30	57.4	15-Dec-13	07:00	51.0
Max	1,844	531	2376	1,769	17-Dec-13	18:30	58.6	16-Sep-13	03:45	51.0



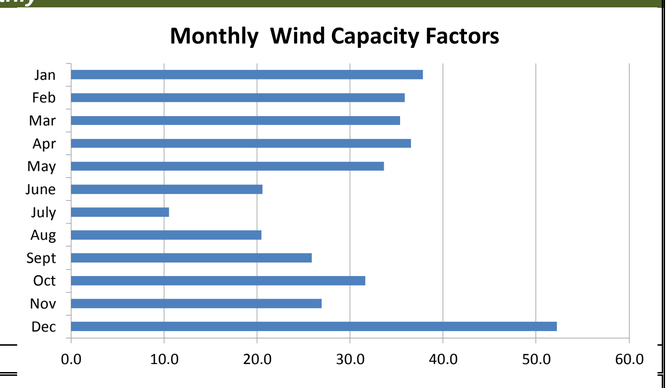
▼SONI System Data ▼

	Installed Wind Capacity (MW)			Max Wind			Max Wind Penetration			Capacity Factor %
Month	EirGrid	SONI	Total	(MW)	Date	Time	%	Date	Time	Monthly
Jan	1,637	451	2088	390	31-Jan-13	04:00	48.1	31-Jan-13	04:00	35.7
Feb	1,637	451	2088	388	04-Feb-13	12:15	49.9	04-Feb-13	04:45	30.5
Mar	1,637	472	2109	392	21-Mar-13	15:00	46.2	08-Mar-13	05:15	31.1
Apr	1,637	472	2109	399	26-Apr-13	16:00	51.7	16-Apr-13	01:00	32.4
May	1,637	472	2109	394	03-May-13	14:45	55.5	27-May-13	04:45	30.7
June	1,733	472	2205	397	23-Jun-13	15:45	69.3	23-Jun-13	04:45	17.7
July	1,747	531	2278	345	04-Jul-13	13:15	45.8	02-Jul-13	05:45	9.4
Aug	1,747	531	2278	412	30-Aug-13	17:00	57.2	21-Aug-13	03:30	20.2
Sept	1,755	531	2286	467	15-Sep-13	14:30	74.2	15-Sep-13	02:45	25.5
Oct	1,804	531	2336	470	27-Oct-13	13:15	56.3	27-Oct-13	05:30	31.3
Nov	1,844	531	2376	482	02-Nov-13	18:15	59.8	20-Nov-13	03:30	27.3
Dec	1,844	531	2376	505	17-Dec-13	18:30	65.6	21-Dec-13	04:45	56.7
Max	1,844	531	2376	505	17-Dec-13	18:30	74.2	15-Sep-13	02:45	56.7

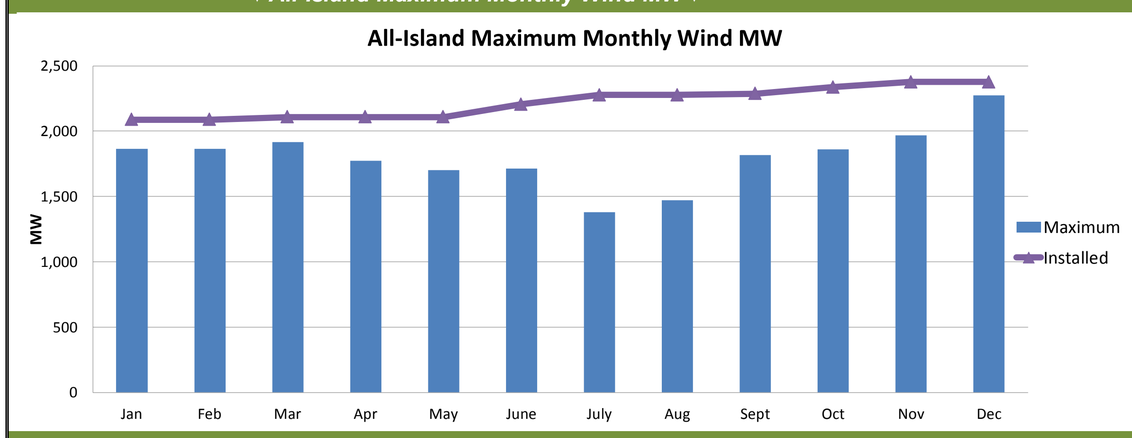


▼Total System Data ▼

	Installed Wind Capacity (MW)			Max Wind			Max Wind Penetration			Capacity Factor %
Month	EirGrid	SONI	Total	(MW)	Date	Time	%	Date	Time	Monthly
Jan	1,637	451	2088	1,866	28-Jan-13	10:15	48.5	27-Jan-13	07:00	37.8
Feb	1,637	451	2088	1,864	04-Feb-13	15:00	50.3	17-Feb-13	03:45	35.9
Mar	1,637	472	2109	1,916	21-Mar-13	18:45	49.0	10-Mar-13	04:45	35.4
Apr	1,637	472	2109	1,772	01-Apr-13	14:15	51.6	14-Apr-13	07:00	36.5
May	1,637	472	2109	1,701	03-May-13	15:00	49.3	09-May-13	02:15	33.6
June	1,733	472	2205	1,714	23-Jun-13	13:45	52.6	23-Jun-13	02:15	20.6
July	1,747	531	2278	1,378	04-Jul-13	11:00	44.0	02-Jul-13	06:30	10.5
Aug	1,747	531	2278	1,470	20-Aug-13	23:00	48.6	17-Aug-13	05:45	20.5
Sept	1,755	531	2286	1,815	15-Sep-13	13:00	56.7	15-Sep-13	04:00	25.9
Oct	1,804	531	2336	1,860	27-Oct-13	11:15	52.7	27-Oct-13	08:00	31.6
Nov	1,844	531	2376	1,968	20-Nov-13	09:15	53.9	14-Nov-13	05:00	27.0
Dec	1,844	531	2376	2,274	17-Dec-13	18:30	57.7	15-Dec-13	07:00	52.2
Max	1,844	531	2376	2,274	17-Dec-13	18:30	57.7	15-Dec-13	07:00	52.2



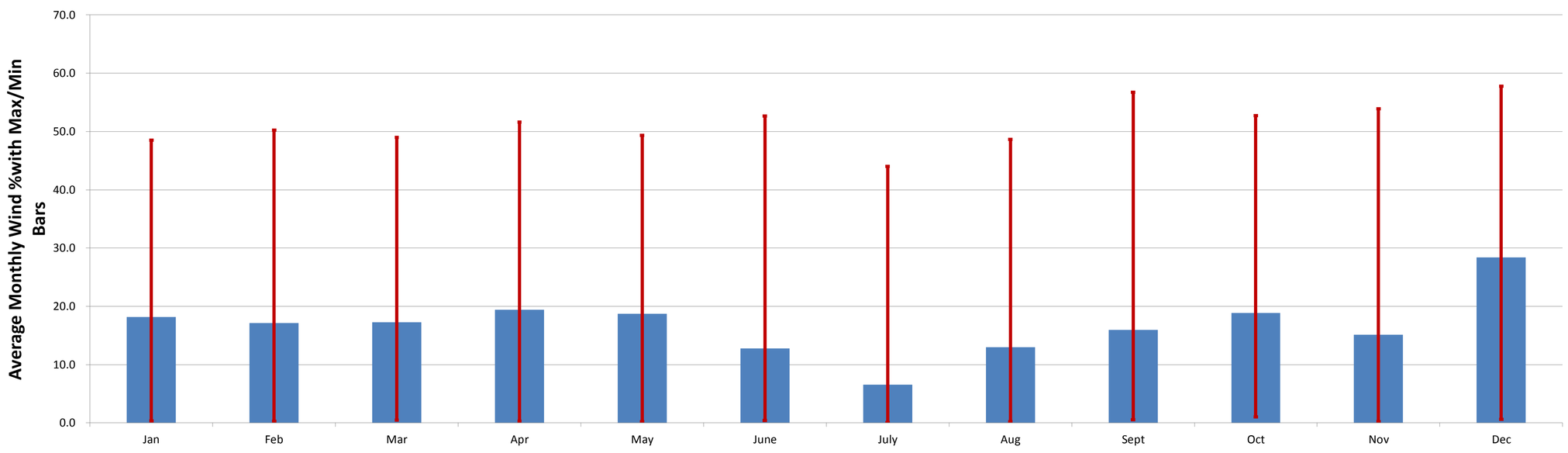
▼All-Island Maximum Monthly Wind MW▼



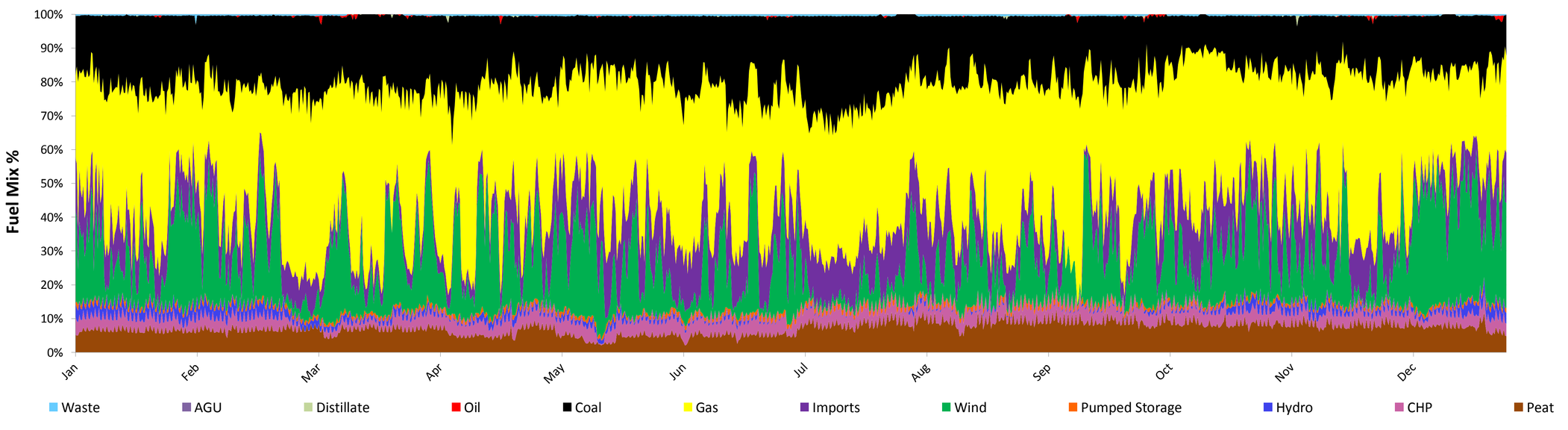
▼Top 12 days for Daily Wind Generated GWhrs in 2013 ▼

		Daily Wind Generated GWhrs			
	Date	EirGrid	SONI	Total	% of Demand
1	20-Nov-13	32.0	10.1	42.3	38.3
2	10-Dec-13	31.3	9.5	40.9	37.4
3	21-Mar-13	32.0	8.0	40.2	35.2
4	11-Dec-13	30.4	9.3	39.9	36.5
5	20-Dec-13	30.0	9.4	39.7	35.7
6	18-Dec-13	30.5	8.8	39.4	34.9
7	04-Feb-13	30.3	8.2	39.1	35.3
8	23-Dec-13	28.8	8.7	37.9	36.1
9	12-Dec-13	29.6	8.1	37.8	34.6
10	14-Dec-13	28.5	8.4	37.7	37.3
11	05-Feb-13	29.5	7.3	37.4	32.5
12	28-Jan-13	28.7	8.2	36.1	31.6

▼System Average Monthly Wind Penetration %▼



▼Al-Island Fuel Mix Time Series 2013▼



System Data is based on 15-minute SCADA data
Installed Wind MW based on SCADA and Registered data
The maximum wind generation in the different jurisdictions does not necessarily occur at the same time
While every effort has been made in the compilation of this report to ensure that the information herein is correct we cannot accept any responsibility or liability for any damage howsoever caused by reliance on the information presented here.

EIRGRID

SONI System Operator for Northern Ireland