EirGrid & SONI Operations

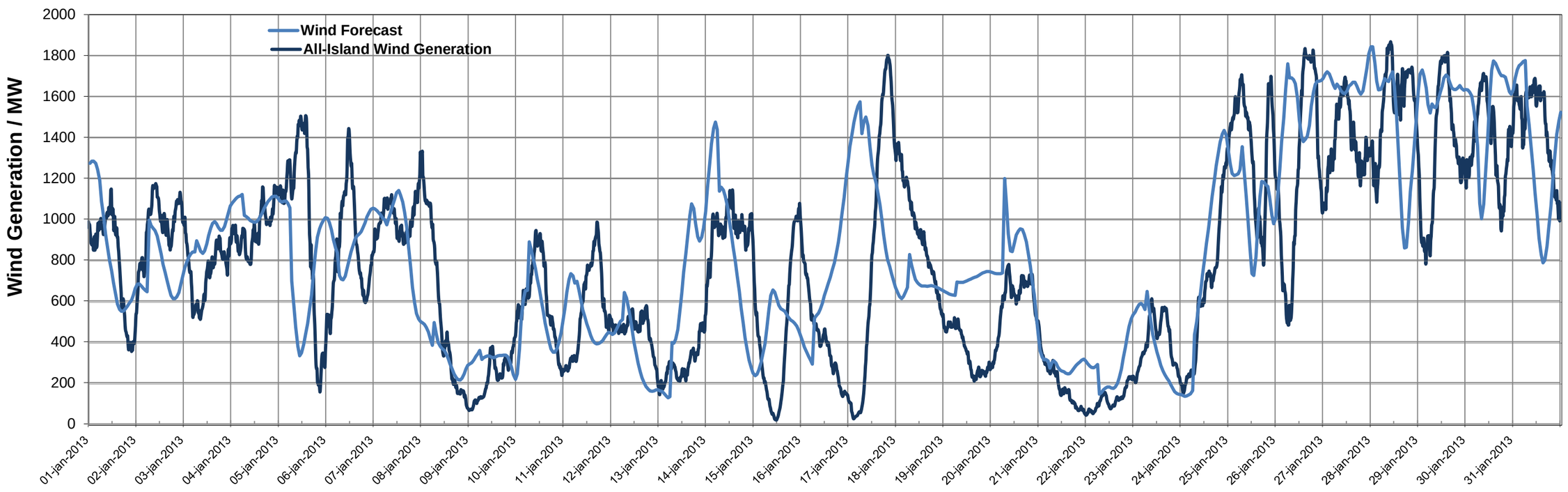
All-Island Wind and Fuel Mix Report

January 2013

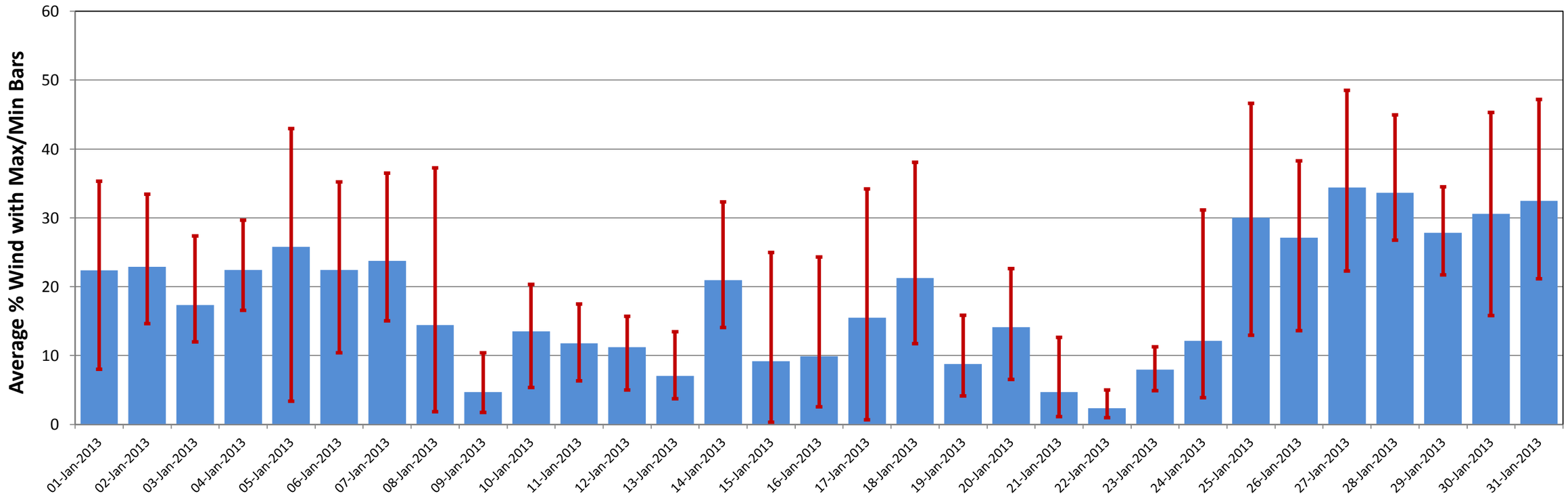
▼System Data▼

TSO	Installed Wind Capacity (MW)	Wind (MW) Max	Wind (MW) Min	Wind (MW) Avg	Wind GWhrs	Monthly Wind Capacity Factor %	Demand* (MW) Max	Demand* (MW) Min	Demand* (MW) Avg	Total GWhrs	Wind Penetration % Max	Wind Penetration % Min	Wind Penetration % Avg	SNSP Max	Avg Abs Forecast Error
EirGrid	1637	1494	14	629	468	38.4	4711	2123	3377	2513	52.6	0.4	19.3		
SONI	451	390	1	161	120	35.7	1736	665	1156	860	48.1	0.1	14.7		
All-Island	2088	1866	18	790	588	37.8	6393	2813	4533	3373	48.5	0.3	18.1	48.3	16.69%

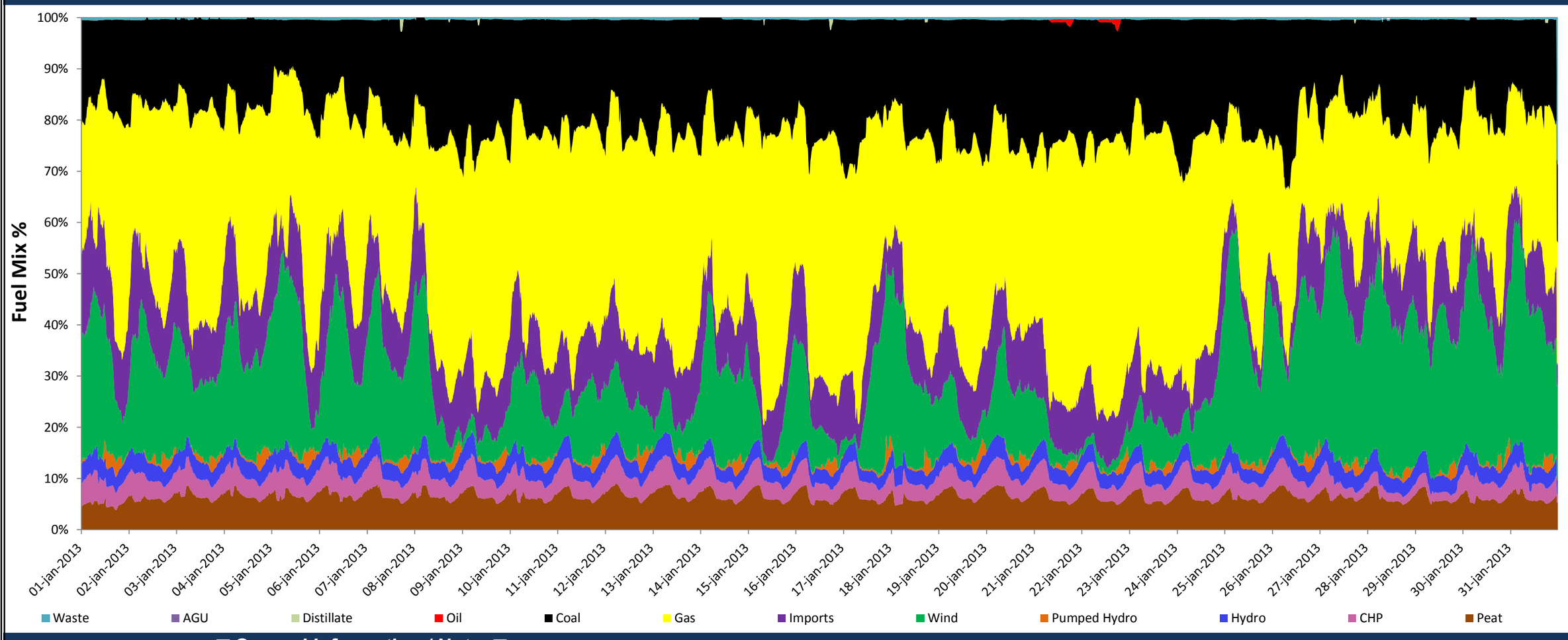
▼All-Island Wind Generation and Forecast Wind▼



▼Average Daily Wind Penetration▼



▼Fuel Mix 15 minute Time-Series▼



▼General Information / Notes▼

***Demand Data is based on Export plus Generation House Load**

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

SNSP - System Non-Synchronous Penetration is the sum of Wind generation and HVDC imports as a percentage of total generation

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