

Power Curve Working Group Agenda

9th Meeting, **Tuesday 16 December 2014**

Hosted by ORE Captapult at Glasgow City Halls & Old Fruitmarket, Glasgow, Scotland

Motivation: to agree the 2015 roadmap for the PCWG.

Welcome/Registration:

- 09.00 – 09.30 Tea/Coffee and pastries will be available.

Morning Session: 09:30 – 13:00

- **09:30 - 09:40 “Welcome”,** Ralph Torr (ORE Catapult)
- **09:40 - 10:00 PCWG Status & Action Update** – Peter Stuart (RES)
- **10:00 - 10:30 Round Robin 4 Results Overview and Discussion:** “Site Specific Power Curves”
- **10:30 - 11:30 2015 Road Map Discussion (All):**
 - Discussion of proposed PCWG data sharing initiative.
 - Survey results
 - Presentation of draft roadmap
 - Group Exercise
- **11.30 – 11.45 Coffee Break**
- **11:45 - 13:00 Road Map Discussion Continue (All)**
- **13.00 – 14.00 Lunch**

Afternoon Session: 14:00-17:00

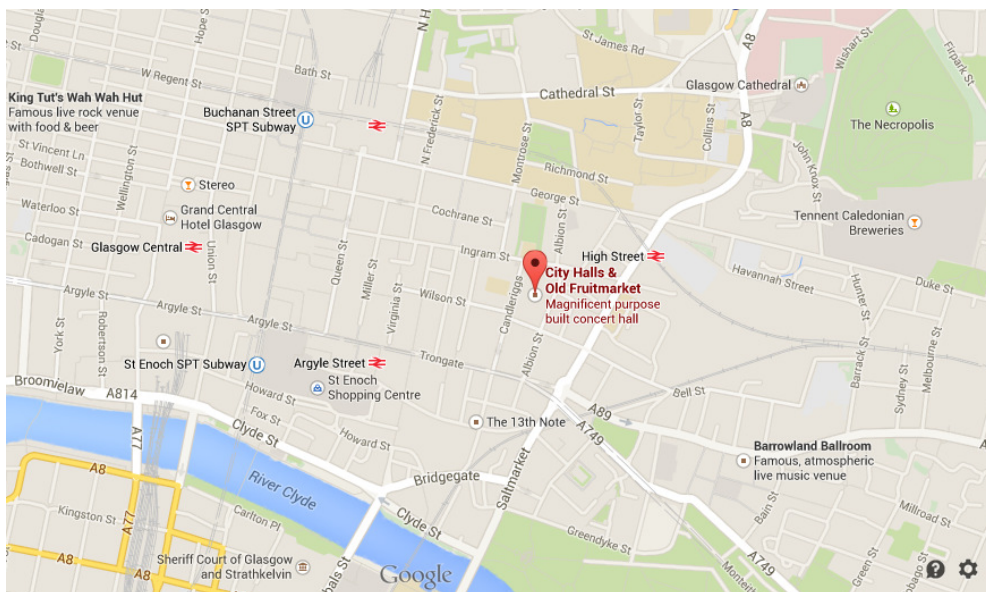
- **14:00 - 15:00 Afternoon Presentations Session Part 1**
 - **14:00 – 14:15 Richard Whiting DNV GL:** “Modelling Type B effects in the 4th Quadrant using Bladed)
 - **14:15 – 14:30 Stuart Baylis,** Prevailing “A Novel Method for Improving Turbine Performance Predictions by Considering the Frequency Distribution of Shear”
 - **14:30 – 14:45 “Redefinition of Power Curves: Electric vs. Kinetic Power”**), Erik Tüxen DNV GL.
 - **14:45 – 15:00 Presentation Discussion**
- **Coffee Break: 15.00 – 15.15**

- **15:15 - 16:00 Afternoon Presentations Session Part 2: LiDARs**
 - **15:15 – 15:30** Lidar observations of the compression zone and capabilities as a turbulence instrument”, Peter Clive Sgurr
 - **15:30 – 15:45 Michael Harris, ZephIR**, "ANALYSIS OF REAL WORLD TURBINE PERFORMANCE USING FORWARD-FACING NACELLE LIDAR".
 - **15:45 – 16:00 Presentation Discussion**
- **Discussion Session: 16.00 – 16.45**
 - Finalisation of turbulence correction consensus analysis and associated documentation.
 - Review of Proposed Round Robin 5: “Power Deviation Matrices”
- **Afternoon Wrap Up: 16.45 – 17.00**
 - Venue for next meeting
 - Public distribution of presentations and minutes

Venue

The meeting is being hosted by the Offshore Renewable Energy Catapult and will take place at **Glasgow City Halls & Old Fruitmarket, Glasgow, Scotland** (see <http://www.glasgowconcerthalls.com> for more details).

City Halls & Old Fruitmarket
Candleriggs
Glasgow
G1 1NQ



Directions to Glasgow City Halls

- **By Train:** Queen Street and Central Stations are a ten-minute walk from the venues. For information on rail travel within the UK, National Rail (www.nationalrail.co.uk) is the official source for all rail information, train times and timetables.
- **By Bus:** Many local service buses pass close by City Halls and the Old Fruitmarket, either along Trongate or Glassford Street. Most are operated by First Bus.
- **By Subway:** The nearest subway station is St Enoch, which is approximately a ten-minute walk from the venues.
- **By Car:** On the M8 motorway, take junction 15, turn left onto Castle Street following signs for the Royal Infirmary/East Kilbride/A730. Castle Street becomes High Street and at the fourth set of traffic lights, turn right onto Ingram Street. Candleriggs is the second street on the left. The nearest car parks are the Q-Park on Albion Street and the NCP Glasshouse on Glassford Street.

Airports

Glasgow has two airports, Glasgow Airport and Glasgow Prestwick.

- <http://www.glasgowprestwick.com/flight-and-passenger-info/flight-information/route-map.html>
- <http://www.glasgowairport.com/destination-inspiration/route-map/> (click to select region)