

Power Curve Working Group Agenda

13th Meeting, Tuesday 15th September 2015, Hilton New Orleans Riverside, New Orleans, LA, USA
Prince of Wales Room

Welcome/Registration:

- 9.30am-10am: Coffee will be available.

Introduction: 10am-11am

- 10.00 – 10.30 “Summary of Recent PCWG Activities”, Peter Stuart (RES)
- 10.30 – 11.00 Activities to date Q&A and Discussion.

Intelligence Sharing Initiative (11.00 – 13.00):

- **11.00 – 11.45 Initiative Definition Discussion** (Scope, Schedule, Roles & Responsibilities)

In order to facilitate a productive discussion please review the document ‘PCWG: 1st Intelligence Sharing Initiative Definition Document (PCWG-Share-01)’ in advance of the meeting.
- **11.45 – 12.15 Power Curve Working Group Analysis Tool**
 - Quick Demo of setting up and analysing a dataset in the PCWG Analysis Tool
 - Discussion on readiness of Power Curve Working Group Analysis tool to support the data sharing initiative.
- **12.15 – 12.30 Thoughts from PCWG-Share-01 participants:**
 - Presentation: PCWG Intelligence Sharing (a participants view), EDF.
- **12.30 – 13.00 Candidate Methods for next Intelligence Sharing Initiative (PCWG-Share-02):**
 - Outline of candidate methods:
 - Alex Head (Prevailing): 3D Power Deviation Matrix Method
 - Dan Bernadette (AWS True Power): Production by Height
 - Andy Clifton (NREL): Machine Learning
 - Actions required in order to prepare candidate methods for PCWG-Share-02.

Lunch: 13:00 – 14:00 (Lunch Sponsored by RES)

Afternoon Presentation Session 14.00 – 15.30

- **14.00 – 14.20** ‘Using turbine specific information to determine power performance: a practical example.’, Taylor Geer (DNV GL)

- **14.20 – 14.40** ‘The Potential to Use Mesoscale Models to Predict the Turbine Specific Frequency of Outer Range Conditions’, Gil Iizcano (Vortex)
- **14.40 – 15.00** ‘A New Theoretical Basis for Describing Low Turbulence Wind Turbine Performance’, Peter Stuart (RES)

Coffee Break 15.00 – 15.15

Afternoon Discussion Session 15.15 – 16.15

- Discussion on draft turbine performance information pack guidelines document (harmonisation of communication action from roadmap). *In order to facilitate a productive discussion please review draft document ‘Guidelines for Preparation of a Turbine Performance Information Pack’ in advance of the meeting.*

Meeting Wrap Up 16.15 – 16.30

- Next steps for intelligence sharing initiative
- Next steps for turbine performance information pack (harmonisation of communication)
- Continued Public Distribution of Minutes and Presentations
- Future activities:
 - Ideas for possible 2016 PCWG activities/roadmap
 - Feedback to the academic community on high priority R&D issues as the PCWG community sees them.

End of Formal Agenda

Intelligence Sharing Initiative Informal Working Session 16.30 – 18.30

After the meeting Peter Stuart will be available to provide assistance to PCWG members with setting up datasets in the PCWG Analysis for the intelligence sharing initiative. If you wish to participate please bring a laptop and a copy of your dataset.

- Hands-on support with PCWG Analysis Tool
- Dataset Troubleshooting
- Q&A
- User Feedback