

Power Curve Working Group Agenda

20th Meeting, Thursday 29th September 2016
EDF, Minneapolis, US

Themes: Results from PCWG-Share-1.1 & next Steps for PCWG-Share-2, Inner Range Performance and preparing for IEC 61400-12-1 Ed 2.

Welcome/Registration:

- 9.00am-9.30am: Tea/Coffee will be available.

Morning Presentation Session: 09.30 -13.00

- **09.30 - 10.00 Introduction**
 - **09.30 - 09.40 Welcome**, Erik Hale, EDF RE
 - **09.40 - 10.00: PCWG Roadmap & Meeting Overview**, Jason Fields (NREL)
- **10.00 - 11.00: PCWG-Share-X (Intelligence Sharing Initiative)**
 - 10.00 - 10.20: Update on the PCWG-Share-1.1, Andy Clifton (NREL)
 - 10.20 - 11.00: Discussion: PCWG-Share-2 Next Steps (chaired by Andy Clifton)
 - Which methods should be selected for inclusion in PCWG-Share-2?
 - Process Improvements: how to make participation easier?
 - Virtual Data Aggregator?
- **11.00 - 11.15: Coffee Break**
- **11.15 - 12.00: Preparing for 61400-12-1 Ed 2**
 - **11.15 - 11.30:** Open Source Worked Examples of IEC61400-12-1 Ed 2 Uncertainty Methodology, Ellie Weyer (AWS True Power)
 - **11.30 - 11.45:** IEA Task 32 Round Robin on 12-1 Ed. 2 Power Performance Measurement Uncertainty using Lidar, Vineet Parkhe (DNV GL)
 - **11.45 - 12.00:** Discussion: Preparing for 61400-12-1 Ed 2 (chaired by Ellie Weyer)
- **12.00 - 13.00: Inner Range Performance**
 - 12.00 – 12.15: "Inner Range Turbine Performance", Erik Hale, EDF RE
 - 12.15 – 12.30: 'Power curve loss adjustments at AWS Truepower: a 2016 update', Dan Bernadette, AWS TruePower
 - 12.30 – 13.00: Discussion: Inner Range Performance (chaired by Erik Hale)

Lunch: 13:00 – 14:00

Afternoon Presentation Session: 14.00-15:00

- 14.00 – 14.20: “A Multi-Dimensional Power Curve Model.”, Yu Ding, Texas A&M University
14.20 – 14.30: Presentation Q&A
- 14.30 – 14.50: ‘Advances in LES Modelling of Outer Range Conditions’, Gil Lizcano, Vortex
14.50 – 15.00: Presentation Q&A

Afternoon Discussion Session: 15.00-16:00 (chaired by Jason Fields)

- Further discussion of key topics identified earlier in meeting

Wrap Up: 16.00 – 16.30

Venue & Logistical Information

Venue

EDF Renewable Energy

10 Second Street NE, Ste. 400 Minneapolis, MN 55413

Venue

If you are attending AWEA Resource Assessment EDF's office is a short walk from the conference hotel (see map on next page).

If you are not attending the conference the following other hotel options have been recommended by our hosts.

<http://www.nicolletislandinn.com/> (closest)

The Nicollet Island Inn is a fantastic historic hotel within walking distance to the Central Region Minneapolis Office, and close to many great bars and restaurants in NE Minneapolis.

Please call the Nicollet Island Inn directly and ask for the enXCo/EDF RE corporate rate of \$139/nt. Telephone: (612) 331-1800

<http://www.marriott.com/hotels/travel/mspdd-renaissance-minneapolis-hotel-the-depot/>

The Depot is a short taxi ride away from the Central Minneapolis Office (or a 15 minute walk)

This hotel may be booked through Egencia.

Map

The map below shows the route from the AWEA conference hotel (Renaissance Minneapolis Hotel) to the EDF office. It's about 1 mile or a 20min walk (or 5 min in an Uber/taxi).

