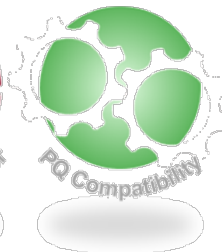
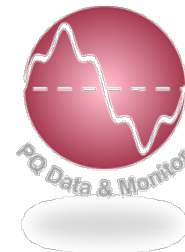


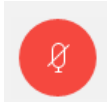
4th Annual GPA PQ Dashboard User's Group Meeting

Hosted by EPRI Power Quality

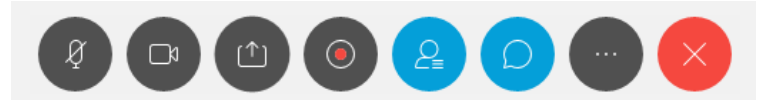
9 April 2020



About this WebEx Meeting

- Please mute phone or WebEx while not speaking. 
- Each speaker will make room for questions and comment throughout their presentation. Feel free to speak at those times, but I want to really encourage the use of chat as well.
- We will use WebEx Polling when applicable.
- In some cases that don't fit with polling we will use chat for questions.
- We are recording this WebEx for note-taking purposes. Only approved presentations will be posted after the meeting.

File Edit Share View Audio Participant Meeting Help



Chat

To: Everyone

Enter chat message here

Enter chat message here

Poll Questions:

1. At what interval do you gather trend data for most permanent site power quality monitors?

- A. 31-60 minutes
- B. 16-30 minutes
- C. 6-15 Minutes
- D. 2-5 Minutes
- E. 1 Minute
- F. Less than 1 Minute

Agenda

4th Annual GPA PQ Dashboard User's Group Meeting

1:00	Introductions, Agenda Review, and EPRI Plans	Tom Cooke
1:15	User Updates	
	HECO – Grid Modernization Project Update	Randy China
	GTC – System Improvements at Georgia Transmission	Marlin Browning Lori Hartzog
	TVA – PQ Project Update	Tony Murphy Phillip Crittenden Justin Kuhlert
2:30	Results of the 2020 User's Group Survey	Russell Robertson
3:00	Recent Additions to the PQ Dashboard Suite of Tools	Russell Robertson
3:45	Plans and Requirements for TrenDAP & Improved control charting and reporting	Tom Cooke Tony Murphy
4:15	Roundtable and Open Discussions	Attendees
5:00	Adjourn	



EPRI 2020 Power Quality - Project Set 1B, PQ Data and Monitoring



Project Set Manager:
Tom Cooke

tcooke@epri.com



P001.004: PQ Waveform Signature Analytics & Repository

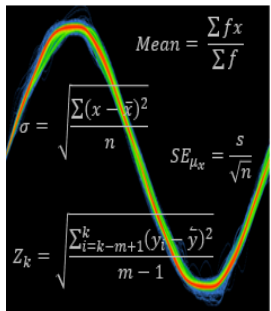
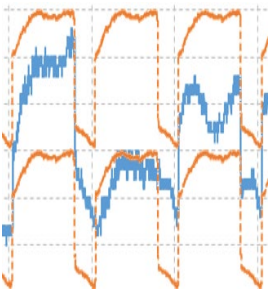
- **Objective:** Develop a method for storing and accessing large amounts of PQ data for AI learning.
- **Description:** In conjunction with EPRI's data analytics team, construct a library of PQ data for access to AI learning tools.
- **Deliverable:** Disturbance Library (**Database**)

P001.005: Dynamic SPC Tool for PQ Data

- **Objective:** Create a statistical process control (SPC) tool that helps develop alarm limits for PQ data.
- **Description:** SPC software specifically designed to process PQ trend data for creating dynamic upper and lower control limits.
- **Deliverable:** PQ-SPC Limits Tool (**Software**)

P001.006: Fulltime Waveform SPC

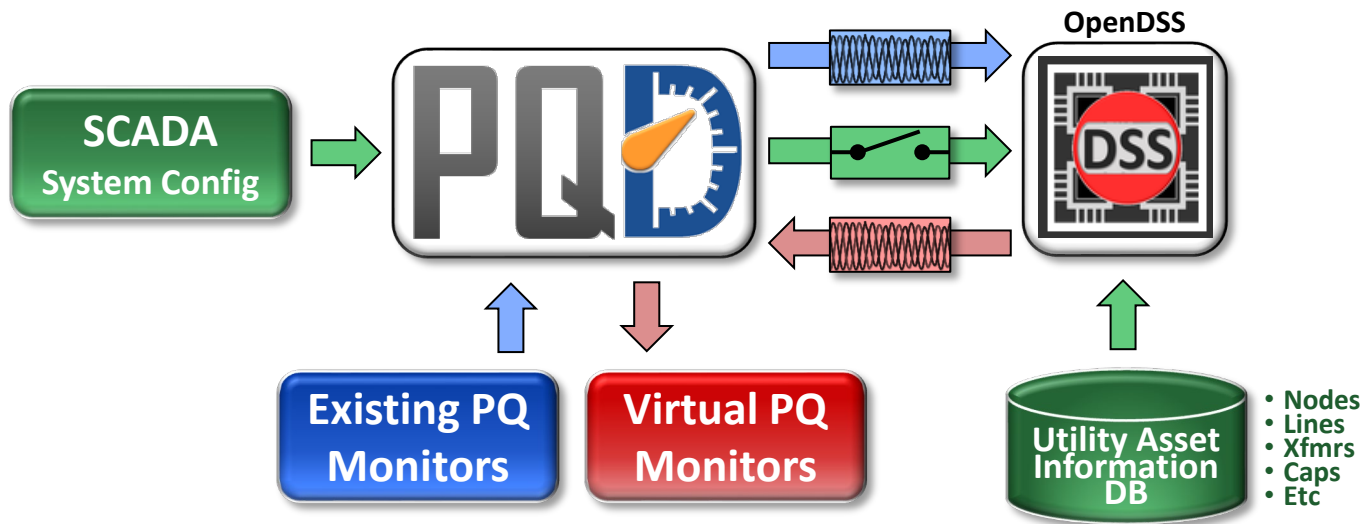
- **Objective:** Assess value and methods of measuring sub threshold waveform variants, for increased insights into PQ grid performance.
- **Description:** Assessing deviations beyond the typical static 10% threshold using waveform SPC (Statistical Process Control).
- **Deliverable:** Value and Methods of Continuous Waveform SPC for Increased Insights into PQ Performance. (**Tech Report**)





EPRI PS1B Near Future Open PQ Dashboard's Role

- PQ State Estimation
- System Integration with SCADA and modeling.



Poll: Is your asset modeling information in a non-proprietary database?

