PwrMetrix & IEEE DRWG

Real-Time Benchmarking Solution

By Alvin Razon, CTO
IEEE DRWG & PwrMetrix - Agenda

- PwrMetrix Web App - Overview
- IEEE DRWG & PwrMetrix Benchmarking
- Real-time DEMO
- Feedback from IEEE DRWG members
- Next Step
What is PwrMetrix?

- INTEGRATED Outage Analytics, and Real-Time BENCHMARKING Web App

- QUICK & EASY yet Powerful COST EFFECTIVE solution
  - Advance analytics
  - Cutting edge visualization tools
  - Predictive and economic analysis
  - Powerful reports in seconds
  - Self-managing benchmarking solution
Who is it for?

- Electric Distribution Utilities (IOUs, Coops & Munis)
- Nationwide and World Wide Benchmarking Groups
  - IEEE, NRECA, APPA, EEI & more
  - European Benchmarking - CEER
  - Asia and Pacific Region Benchmarking
What problem does it solve?

- **Labor time** - reduce labor spent to acquire data, analyze & compile reports, and benchmark.

- **Desperate databases** – eliminate hundreds of databases & consolidate all data securely on one online database for easy access.

- **Data Acquisition & Standardization** – all members simultaneously enter data online. Built-in IEEE 1366, **IEEE 1782**, and RUS 1730a-119 standards.

- **User anonymity and data security** – user unique ID that anonymizes the benchmarking results. Sharing of data is controlled by the utility/user.

- **Cost & Flexibility** – significantly reduces the labor & managing cost. Join other groups in seconds.
Benefits for IEEE DRWG

- Automate Heide’s Data Acquisition, Compilation & Analysis
  - SAVE months on labor time !!!
- Real-time Benchmarking
- Secure online multi-user environment
- No Setup time required – Web App
- Import from OMS, excel, access, text, csv & more
- FREE Enterprise Edition for IEEE Admin (Heide)
  - 45 Days FULL User License for IEEE Benchmarking members/Limited version thereafter
PwrMetrix Database Schema

- Custom Group
- State Wide

PwrMetrix Secured One Cloud Database

All Utility Data

Selected Data can be shared to IEEE, NRECA and others

Individual Data accessed ONLY by User

- IEEE DRWG
- NRECA RBG

- World-Wide Benchmark
Real time DEMO

Two Types of PwrMetrix Licenses:

- Individual Utility User
- Enterprise Benchmarking Solutions (e.g. IEEE and NRECA)
Feedback & Suggestions
Q&A
Thank You!

Alvin Razon
Alvin.razon@aerinet.com
www.pwrmetrix.com
www.aerinet.com
Cell 703-888-8356
Backup Slides
PwrMetrix – Thought Process

1. TRENDS – Visualize Past and Present
2. BENCHMARKING – where am I compared to others?
3. GOAL SETTING – what are my target metrics?
4. PREDICTIVE ANALYSIS – forecasting
5. ECONOMIC ANALYSIS – quantify targets in terms of $$$?
6. REPORTING – examine failure patterns & focus on areas affecting the SAIDI, SAIFI and CAIDI

RESULTS – Significantly improve distribution reliability metrics !