

2007 PowerWorld Client Conference
New Orleans, Louisiana, USA • October 25-26



What's Next in PowerWorld Software?

PowerWorld Team
www.powerworld.com



Same Model Topology Processing



- Retriever uses a full topology power system model to link real-time data to power system objects and to displays those values on diagrams.
- Desire to used advanced applications with real time data
- Presentation tomorrow

Transient Stability Analysis



- Algorithms essentially complete
- Need to continue to add more models
- Improvements in GUI and visualization of transient stability results are still needed
- Presentation tomorrow by Tom Overbye

Web-based Training



- Software becoming more and more complex
- Longer, more specialized training sessions will be required
- We will soon have the first “day” of training available on our website for viewing

Database Interactions with Simulator



- Working on a long-term project to allow power flow cases to be read and written to and from a database
- Moving towards a database used to build power flow cases instead of text files
- Will allow interaction with other programs, for example Google Maps

Software Translation



- PowerWorld is now translated into Chinese
- Set up so that any customer can undertake their own translation, to as much extent as they deem useful

Windows GDI to OpenGL



- Old Windows GDI still used for Simualtor/Retriever 2-D diagrams
- OpenGL currently used for 3-D diagrams
- OpenGL is faster (moves processing to video card) and allows smoother graphics effects

CIM



- We have now received example CIM models from TVA
- Documentation received as well
- Started programming a PowerWorld CIM interface

State Estimation



- Will start to write our state estimator sometime in the next six months
- Should have a prototype by our next Client Conference
- Will allow more seamless interaction with SCADA systems or PI Servers

Multi-threading applications



- Will allow the tool to complete functions in the background while continuing to function in the GUI
- Will eventually lead to use of parallel processors for advanced functions

Questions/Comments?



- Features we should add
- Functionality to be improved
- New products