

IEEE

Volume 2 • Number 1 • January/February 2004

power & energy

magazine

for electric power professionals

Protecting the Valuables

Keeping the Grid Safe & Secure

Realizing
Efficiency

Enterprise Energy
Management Systems

Investing
in Expansion

Issues Facing
Transmission Planning

new products

fresh on the market

tools, apparatus, and software

PRODUCTS LISTED IN *IEEE POWER & Energy Magazine* are restricted to equipment, software, services, applications, or documentation for use in the science and practice of electric power generation, transmission, distribution, or utilization. Product information is provided as a reader service and does not constitute endorsement by the IEEE or PES.

Submit new product information to m.olken@ieee.org.

Remote Terminal Unit

Power Measurement has introduced an option for its ION 7500 energy meter that converts the device into an intelligent, Web-enabled remote terminal unit (RTU) for combined "WAGES" utilities metering (water, air, gas, electricity, steam). The dedicated RTU will automatically collect, scale, and log readings from a large number of connected meters or transducers and deliver information to one or more head-end systems through a unique combination of integrated Ethernet, modem, or serial gateways. The RTU is ideal for commercial or industrial submetering as well as transducer and equipment monitoring at utility substations.

For more information, contact Power Measurement at +1 866 466 7627 (U.S. and Canada), +1 250 652 7100, or visit www.pwrm.com.

Zero Voltage Closing Control

The new digital zero voltage closing

(ZVC) control from Joslyn Hi-Voltage, can be used with the Joslyn Varmaster VBM switching package for 15-kV to 69-kV applications. The result is a reduction of system overvoltages and stress on capacitors caused by high inrush currents. The ZVC control mitigates transients associated with bringing capacitor banks online and eliminates costly customer equipment damage and downtime resulting from voltage spikes.

The ZVC control is easy to install. The control automatically calibrates with Joslyn VBM switches and is continuously self-adjusting for temperature throughout complete switch life. Closing is synchronized with zero voltage in each phase, and the three poles are closed independently. The digital ZVC control can be interfaced with any manufacturer's capacitor controller and can be easily retrofitted into existing switches.

For further information call +1 800 621 5875 or visit www.joslynhivoltage.com.

Energy Market Simulation Model

Argonne National Laboratory developed the Generation and Transmission Maximization (GTMax) model to simulate complex electricity market and operation issues, for both competitive and regulated environments. With the aid of GTMax, utility operators and managers can maximize the value of a power system taking into account not only its own

limited energy and transmission resources but also firm contracts, independent power producer (IPP) agreements, and bulk power transaction opportunities on the spot market.

The GTMax model is designed to be user-friendly. It operates under a Microsoft Windows environment and employs a geographical information system (GIS) interface. The model is very versatile in that the user starts with an empty workspace and builds a power system topology of system components and interconnections using mouse point and click actions. By clicking on a map of utility power plants and transmission lines, input data can be viewed and modified. Data can also be exported or imported as tab delimited text files. The model can be run for all 52 weeks in a year or for selected representative time periods.

More information, including an evaluation copy, is available online at www.adica.com, or by contacting ADICA, +1 630 571 2480, info@adica.com.