



2004 North American Power Quality Interest Group Conference

Power Quality Issues and Solutions

October 6–7, 2004

The Tennessee Engineering Center
Nashville, Tennessee

Jointly Sponsored by:

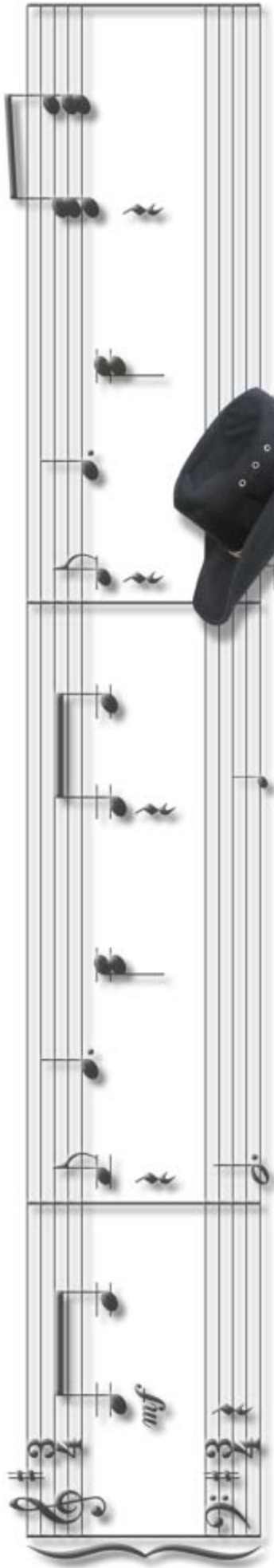
TVA, Nashville Electric Service, IEEE Central Tennessee Section,
Music City PQIG, and EPRI PEAC Corporation



TENNESSEE WALTZ

Words and Music by REDD STEWART
and PEE WEE KING

Country Waltz (♩ = $\frac{3}{4}$)



Power Quality Issues and Solutions

Join other power quality professionals and EPRI PEAC Corporation for the North American Power Quality Interest Group (PQIG) Conference on October 6–7, 2004, in Nashville, Tennessee. Unique in the power quality world, EPRI PEAC's PQIG Conference provides an unparalleled forum for power quality professionals to gather, share experiences, and learn from one another in a highly efficient and focused environment—with a particular emphasis on highly qualified speakers and participant discussion. Six sessions spanning one and a half days will provide you with the latest insights on developments in the power quality community.

This year's North American PQIG Conference will be held in conjunction with the Music City PQIG meeting at the Tennessee Engineering Center in Nashville, Tennessee. Please mark your calendars and join your colleagues for this one-of-a-kind event in the country music capital of the world.

For more information, please contact Bill Howe, EPRI PEAC Corporation, phone (303) 417-1514, E-Mail: bhowe@epri-peac.com.



Wednesday, October 6, 2004

Welcome and Introductions

- Bruce Rogers, TVA
- Darrell T. Trimble, NES

Session 1: Distribution System Power Quality Issues

- **Harmonics Concerns** (M. McGranaghan, EPRI PEAC)
- **Benchmarking Power Quality: Results from the DPQ II** (A. Mansoor or C. Melhorn, EPRI PEAC)

Session 2: Power Quality Information and Tools

- **Online Power Quality Resources – New Tools at PEAC** (B. Howe, EPRI PEAC)
- **New Tool for Power Quality Documentation** (S. Davis, TVA)
- **Device Sensitivity Database** (M. Stephens, EPRI PEAC)

Thursday, October 7, 2004

Keynote Speaker

- **Reliability and Power Quality Issues from the Utility Perspective** (A. Bradley, NES)

Session 3: Industry Initiatives

- **The Impact of SEMI F47 and Future Influence on Power Quality** (M. Stephens, EPRI PEAC)
- **Automotive Power Quality** (B. Rogers, TVA)

Session 4: Power Quality Case Studies

- **Voltage Magnifications Problems with Utility Capacitors, Flexall, NES, and TVA** (S. Cook, TVA)
- **Automotive Case Study** (S. Whisenant, Duke Energy)
- **Process Hardening** (R. Ferraro, PQES)

Session 5: Power Quality Profiles

- **Power Quality Concerns in Recording Studios** (M. Puckett, Consultant)
 - **Hospital Perspective on Power Quality** (H. Flannery, P.E., VA-Tennessee Valley Health Care System, Nashville Campus)

Session 6: Technology/Mitigation Overview

- **In-Plant Power Quality Monitoring** (J. Bickel, Square D)
- **Small-Scale Sag Mitigation** (J. Stratford, Measurlogic)
- **Panel & Equipment Level Sag Mitigation** (D. Ezer, OmniVert)

Conclusions and Question & Answer Session

Conference Adjourns



2004 North American Power Quality Interest Group Conference Registration Form

There are two convenient ways to register for the 2004 North American Power Quality Interest Group (PQIG) Conference. You may complete this registration form and submit it via mail, fax, or email to the address below. You may also register online by visiting www.mypq.net and selecting **Events** from the menu. Please note that credit card payments cannot be processed online. If registering online and paying in advance with a credit card, please contact Lea Ann Lawson directly at 865-218-8028.

For payment by check, cash, or credit card (American Express, Visa, or Master Card) in advance:

Lea Ann Lawson
EPRI PEAC Corporation
942 Corridor Park Boulevard
Knoxville, Tennessee 37932 USA
Phone: 865-218-8028 Fax: 865-218-8001
Email: llawson@epri-peac.com

Please Print or Type

First Name: _____ M.I. ____

Last Name: _____

Name for Badge: _____ Title: _____

Company/Organization: _____

Mailing Address: _____

Mailing Address 2: _____

City: _____ State/Province: _____

Zip: _____ Country: _____

Phone: _____ Fax: _____

Email: _____

Web Address: _____

Registration Fees

The registration fee includes:

- Conference attendance on October 6–7
- Reception on October 6
- Continental breakfast and lunch on October 7
- Web access to presentations after event

PQIG Conference Speaker (Conference Fee Waived)

EPRI PEAC Program 97
Member (Conference Fee Waived)

PQIG Conference Attendee
(EPRI PQ Funders) \$200USD _____

PQIG Conference Attendee
(Non-EPRI) \$500USD _____

Payment

Conference payment can be made via:

Check Please Invoice Me Credit Card

Attendance is limited. Early registration is encouraged!

Accommodations

Attendees are responsible for making their own room reservations. Reservations **must** be made prior to September 15th to secure a discounted rate and guarantee room availability. When making your room reservations, please mention “**North American PQIG Group**” rate. The hotel is located approximately four miles from the Tennessee Engineering Center and will not be providing a shuttle to and from the conference location. Please make arrangements for transportation to and from the conference location.

Courtyard by Marriott

170 4th Avenue North
Nashville, Tennessee 37219
Phone: 1-888-687-9377
Fax: 615-256-0901

Web address: <http://marriott.com/property/propertyPage/BNADT>

RATES:

North American PQIG Group Rate: \$89.00 per person/night

Hotel Contact:

Judy Gero, Email: judy.gero@marriott.com

FAX-BACK FORM