

# Technology Transfer Awards 2013



EPRI's 2013 Technology Transfer Awards recognize the leaders and the innovators who have transferred research into applied results. The 2013 award winners have shown exceptional application of EPRI research and technology to solve a problem of size and significance, to champion a technology both within their companies and across the industry, to drive progress in the electricity sector, and to provide meaningful benefits for its stakeholders and for society.

The Technology Transfer Awards spotlight the value of collaborative research to the electricity sector and its customers. EPRI recognizes and applauds the hard work, commitment, and leadership demonstrated by these award winners to help make electricity more reliable, more efficient, more affordable, and more environmentally responsible.

#### AES CORPORATION

- Technical Input for the Ohio River Ecological Research Program 🏆  
*Scott Arentsen*

#### ALABAMA POWER COMPANY

- Performing a Test Burn of Torrefied Wood at a Full Scale Power Plant 🏆  
*Billy Zemo*

#### AMEREN

- Water Jet Peening for Mitigating Primary Water Stress Corrosion Cracking 🏆  
*Michael Hoehn II, Michael Shearer, Douglas Sparr*

#### AMERICAN ELECTRIC POWER

- AEP Mountaineer CCS Demonstration Project 🏆  
*Indrajit Bhattacharya, Robert Bollinger, Michael Hammond, Anthony Kopeck, Brian Sherrick, David R. Hall (retired)*
- Chevrolet Volt Data Logger Demo 🏆  
*Chris Schafer*
- Hexprotect Tile Application to Mitigate Process Pond Water Quality 🏆  
*Jeff Farmer, Tom Kaforey, Timothy Lohner, Justin McMillon, Leah Pearson*
- Mapping and Modeling of Ecosystem Services 🏆  
*Timothy Lohner, Mike Williams*
- Steam-Side Exfoliation Mitigation 🏆  
*Michael Crichton, Hassan Khan, David King*
- Technical Input for the Ohio River Ecological Research Program 🏆  
*Timothy Lohner, Rob Reash*
- Use of a Pilot-Scale Passive Wetland Treatment System 🏆  
*Christina Svoboda*

#### AMERICAN TRANSMISSION COMPANY

- Use of Transmission Line Easements for the Benefit of Native Bees 🏆  
*Joan Kozisek*

#### ARIZONA PUBLIC SERVICE

- Demonstrating Leadership by Adopting a Right-of-Way Steward Program 🏆  
*Lisa Young, Michael Neal*
- Regional Integrated Air and Watershed Impact Assessment 🏆  
*Neal Brown, Richard Grimes*

#### BONNEVILLE POWER ADMINISTRATION

- Application of Variable Capacity Heat Pump Technologies 🏆  
*Mira Vowles*

#### BUCKEYE POWER

- Technical Input for the Ohio River Ecological Research Program 🏆  
*Paul Jackson*

#### CENTERPOINT ENERGY

- Application of Variable Capacity Heat Pump Technologies 🏆  
*Kristi Hardy*

#### CEZ, A.S.

- NDE Methods to Assess Defect Indications in Small-Diameter Piping 🏆  
*Jaroslav Brom, Ladislav Horacek*

#### COMMONWEALTH EDISON COMPANY

- Chevrolet Volt Data Logger Demo 🏆  
*Tobin Hwang*

#### CONSTELLATION ENERGY NUCLEAR GROUP

- Demonstration Projects to Inform Nuclear Plant Life Extension Decisions 🏆  
*Michael Fallin, George Wrobel*
- Jet Pump Facility Assessment of Flow-Induced Vibration Solutions 🏆  
*George Inch*
- Strategies for Mitigating Radiological Releases in Severe Accidents 🏆  
*Phillip M. Amway*

#### CONSUMERS ENERGY

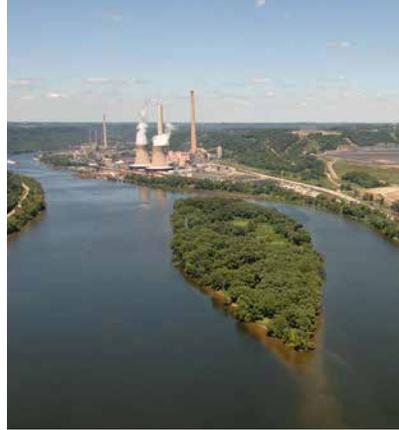
- Alternative Layup Technique 🏆  
*Colin Dunham*

#### DTE ENERGY, INC.

- Cyber Security Guidance for IEC 61850 🏆  
*Bill Cloutier, Mark Ellison, Bob Letkiewicz, Kostas Tolios*

#### DUKE ENERGY

- Application of Variable Capacity Heat Pump Technologies 🏆  
*George Gurlaskie*
- Energy Storage Integration Council 🏆  
*Dan Sowder*
- Expanding the Capabilities of the EPRI MANAGES Database 🏆  
*Tim Hunsucker, William Kennedy, Penny Stafford, Allen Stowe, John Velte*



- Non-Road Electric Transportation Market and Environmental Impact Model

*Mike Waters*

- Smart Monitoring & Diagnostics and Equipment Reliability Implementation

*Bernie Cook*

- Technical Input for the Ohio River Ecological Research Program

*Pat Coyle, John Pike*

#### ÉLECTRICITÉ DE FRANCE

- Application and Advancement of EPRI Fish Protection Research and Technology

*Eric de-Oliveira, Anne Goarant*

- Energy Storage Integration Council

*Bruno Prestat*

#### ENEL, S.P.A.

- Increased Plant Flexibility

*Simone Simoncini*

#### EXELON CORPORATION

- Industry Leadership in Buried Piping Inspection

*Gregory Lupia*

- Leadership in Industry Efforts to Drive Fuel Failures to Zero

*Michael Reitmeyer*

- Repair Technology for Mitigating Wall Thinning in Raw Water Piping

*Mahendra (Mike) Desai, Hien Do, Tom Loomis, Heather Malinkowski, Gene Navratil*

#### FIRSTENERGY

- Alternative Layup Technique

*George Verib, Timothy Zak*

- Biogeochemical Investigation of Arsenic Behavior in the LBR Impoundment

*Ray Evans*

- Chevrolet Volt Data Logger Demo

*Stephen B. Briggs*

- Consumer Response to Behavioral Inducements to Alter Electricity Demand

*Rebecca Leiter*

- Energy Storage Integration Council

*Eva Gardow*

- Leadership in Cyber Security and Remote Substation Access Implementation

*Don Miller*

- Technical Input for the Ohio River Ecological Research Program

*Scott Brown, Joe Lapcevic*

#### FIRSTENERGY NUCLEAR OPERATING COMPANY

- Probabilistic Risk Assessment Application Across FirstEnergy Fleet

*F. William Etzel, K. Raymond Fine, Richard Siembor, Cynthia Williams*

#### GULF POWER

- Performing a Test Burn of Torrefied Wood at a Full Scale Power Plant

*Tony Crowell, Sybelle Fitzgerald, Billy Hosey, Randy Mayo, Steve Moore, Melvin Young*

#### KOREA HYDRO & NUCLEAR POWER CO., LTD.

- Maintenance Strategy for Primary Water Stress Corrosion Cracking

*Seung-ik Jang, Kyoung-soo Lee, Sung-ho Lee, Hee-jong Lee, Jeong-seok Lee, Kyu-suk Tae*

#### LGE AND KU ENERGY LLC

- Alternative Layup Technique

*E.W. Brown Laboratory, Michael Rupinen*

- Technical Input for the Ohio River Ecological Research Program

*Michael Winkler*

#### NATIONAL GRID

- SF6 Leakage Capture

*Simon Atkin, David Fidler, Carl Johnstone, David Wood*

#### NEW YORK POWER AUTHORITY

- Compressor Blade Airfoil Trimming and Blending Limits

*Eugene Szynda*

#### OGLETHORPE POWER

- Application of Variable Capacity Heat Pump Technologies

*Jeff Pratt*

#### OHIO VALLEY ELECTRIC

- Technical Input for the Ohio River Ecological Research Program

*Henry Cleland*

#### ONTARIO POWER GENERATION

- Performing a Test Burn of Torrefied Wood at a Full Scale Power Plant

*Denym Burlock*

#### PJM INTERCONNECTION

- Optimal Blackstart Capability

*Jianzhong Tong*

#### PPL CORPORATION

- Chevrolet Volt Data Logger Demo

*Michael Dicks*

#### PUBLIC SERVICE ELECTRIC & GAS

- Chevrolet Volt Data Logger Demo

*Wayne K. Wittman*

#### SALT RIVER PROJECT

- Chevrolet Volt Data Logger Demo

*Kathy Knoop*

- Regional Integrated Air and Watershed Impact Assessment

*Ray Hedrick, Chuck Paradzick*

- Sponsoring and Pilot Testing the EPRI Sustainability Maturity Model

*John Hetrick*



#### SHIKOKU ELECTRIC POWER CO.

- Chemistry Control Practices to Support Extended Layup and Plant Restart ▲  
*Hirofumi Ishikawa, Akinori Kamano, Hiroyuki Manabe, Akihiro Okita, Yukio Takahashi, Shunsuke Yagi*

#### SOUTH CAROLINA ELECTRIC & GAS COMPANY

- Guidance to Ensure Concrete Placement Quality During New Plant Construction ▲  
*Patrick Gibbons, Gary Moffatt, Stephen Mothena, Brad Stokes, John Todd, Brad Tune*

#### SOUTHERN CALIFORNIA EDISON

- Energy Storage Integration Council ⚡  
*Naum Pinsky*
- Organizing an EPRI Workshop on the Industrial Hygiene Aspects of SF7 ⚡  
*Richard Hamaker, William Messner*
- Supporting the Evaluation of EMF Exposures Near PV and EV Charging Stations ⚡  
*Richard Hodson, Phil Hung, Theodore Luckham, William Messner, Andip Patel, Glenn Sias, Jordan Smith, Brian Thorson*

#### SOUTHERN COMPANY

- Application of Variable Capacity Heat Pump Technologies ⚡  
*Chris Gray*
- Chevrolet Volt Data Logger Demo ⚡  
*Blair Farley*

- Development of Test Site and Tools to Evaluate Corrosion in Transmission ⚡  
*Alan Holloman, E. M. (Buddy) Phillips, Ricky Williams, Dan Williams, Stephen Williams (posthumous)*
- Gas Turbine Compressor Monitoring 🏭  
*Josh Barron, Russell Noble*
- GIS Based Mobile Inspection, Repair, Operation and Documentation Demo ⚡  
*Van Holsomback, Dexter Lewis, Michael Peters*
- National Carbon Capture Center 🏭  
*Southern Company*
- Non-Road Electric Transportation Market and Environmental Impact Model ⚡  
*Blair Farley*
- Performing a Test Burn of Torrefied Wood at a Full Scale Power Plant ⚡  
*Doug Boylan, G. Keith Roberts, Jeff Wilson*
- Use of Transmission Line Easements for the Benefit of Native Bees ⚡  
*Daniel Warren*

#### TENNESSEE VALLEY AUTHORITY

- Application of Variable Capacity Heat Pump Technologies ⚡  
*Dave Dinse*
- Chevrolet Volt Data Logger Demo ⚡  
*Andrew Frye*
- Non-Road Electric Transportation Market and Environmental Impact Model ⚡  
*Andrew Frye*
- Pulsed Eddy Current Inspection Methodology for FAC Inspections 🏭  
*Dale R. Sielski*
- Technical Input for the Ohio River Ecological Research Program ⚡  
*Steve Barnes, Dennis Baxter*
- Valuable Engagement on the Fugitive Emissions from Power Plants Project ⚡  
*Stephen Mueller*

#### TOKYO ELECTRIC POWER COMPANY

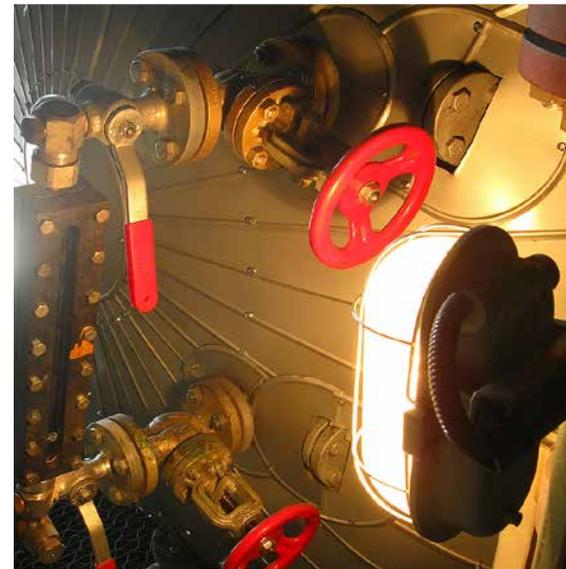
- Application of Modular Accident Analysis Program to Fukushima Daiichi ▲  
*Takeshi Honda, Yuji Kumagai, Shinya Mizokami, Manabu Watanabe, Yasunori Yamanaka*

#### TRI-STATE G&T ASSOCIATION, INC.

- Drum Oxygenated Treatment (OT) 🏭  
*Joni Zaragoza*

#### WOLF CREEK NUCLEAR OPERATING CORP.

- Water Jet Peening for Mitigating Primary Water Stress Corrosion Cracking ▲  
*Richard Gimple, Ron Holloway, Everett C. Weems*



⚡ Environment & Renewable Energy   🏭 Generation   ▲ Nuclear   ⚡ Power Delivery & Utilization

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