

TECHNOLOGY TRANSFER AWARDS



2016

Together ... Shaping the Future of Electricity



2016 TECHNOLOGY TRANSFER AWARDS

These awards recognize the leaders and the innovators who have applied EPRI research to produce significant results. The award winners have shown exceptional application of EPRI research and technology in solving a problem of size and significance, championing a technology both within their companies and across the industry, driving progress in the electricity sector, and providing meaningful benefits for its stakeholders and for society.

The EPRI 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, efficient, affordable, safe, and environmentally responsible.

Alliant Energy

- P Identification and Economic Evaluation of Electrification Opportunities
Gilbert Nunez
- P Streamlined Hosting Capacity
Juli Wagner

American Electric Power

- G Application of Alternative Weld Repairs in Grade 91 Steel
James Bateman, Michael T. Carothers, Michael Crichton
- G Application of the EPRI Fixed Structure Concept for Mercury Control
Dean Bell, Michael P. Finneran, Ryan Forbes, Thomas Hart, Amanda Torgerson, Wayne Whipple
- P Identification and Economic Evaluation of Electrification Opportunities
Jodi Cannon, Bud Clark
- E Impacts of Heat Stress on Worker Health and Safety
Louis Hosek, Michael Meade, Mike Pesek
- P Load Component Export Tool (LCET)
Robert J. O'Keefe
- E Sustainability Benchmarking Database and Industry Leader Forum
Sandra Nessing

Appalachian Electric Cooperative

- P Streamlined Hosting Capacity
James Greer

Appalachian Power

- E Impacts of Heat Stress on Worker Health and Safety
Payton Wilson

Arizona Public Service

- P Demonstration of Smart Inverters with Utility Management Using Standard Communications
Sanket Adhikari, Erik Ellis
- N Use of Dry Storage Canister Robotic Inspection System to Perform Examinations
Jack Cadogan, Brian Hansen, Spencer Toone

Arkansas Electric Cooperative Corp.

- E Application of Research on the Endangered Species Listing Process and Critical Habitat Designation
Stephen Cain

Austin Energy

- P Streamlined Hosting Capacity
Dan Smith

Avista Corporation

- P Electric Vehicle Charging Infrastructure Deployment
Rendall Farley

Bonneville Power Administration

- P Asset Management Analytics Applications
Martin Monnig

CenterPoint Energy

- P Asset Management Analytics Applications
Qasim Aziz

Central Hudson Gas & Electric Corp.

- P Streamlined Hosting Capacity
Stephanie Genesee

CEZ, a.s.

- N Cable Aging Management Program Implementation
Petr Kos

Comisión Federal de Electricidad

- P Streamlined Hosting Capacity
Carlos Gonzalez Andrade, Miguel Angel Valdovinos

Consolidated Edison Company of New York

- P Asset Management Analytics Applications
Matthew Walther
- E Comparative Fish Protection Research Evaluating Efficacy of Entrainment Versus Screen Collection
Brian Brush, Cristina B. Lombardi, Hugh P. O'Neill, Scott Salmon, Gary Thorn
- E Fluid Flow Modeling to Solve Complex Failure of a Utilities' Fish Protection System
Gary Thorn, Daniel Tsang
- P Locational Value of Distributed Resources
Tom Mimmagh, Candice Tsay, Steve Wemple

Dominion

- E Sustainability Benchmarking Database and Industry Leader Forum
Anand Yegnan

DTE Energy

- P Demonstration of Smart Inverters with Utility Management Using Standard Communications
Teresa Tran, Jerry Vermeulen
- P Energy Storage Integration
Jerry Vermeulen
- P Identification and Economic Evaluation of Electrification Opportunities
Mark King
- G Portable Catalyst Test Facility
Tony Ali Bazzi, William Rogers
- E Sustainability Benchmarking Database and Industry Leader Forum
Patty Ireland

Duke Energy

- P Asset Management Analytics Applications
Nicole Kurant, Marcolus Sullivan
- E Demonstration of Groundwater Resource Center Modeling Capabilities
Tyler Hardin, Ed Sullivan
- N On-Line Monitoring Guidance to Improve Plant Reliability
Howard Nudi
- E Risk Assessment and Stakeholder Communication of Air Quality and Emissions Trends
Kris Knudsen
- E Sustainability Benchmarking Database and Industry Leader Forum
Michelle Abbott
- N Use of Dry Storage Canister Robotic Inspection System to Perform Examinations
Matt Keene

Electric Power Board of Chattanooga

- P DOE SUNRISE Solar Integration Project
Jim Glass

Électricité de France S.A.

- N Application of Modeling Codes to Improve Computer Models in MANDENA Project
Didier Le Révérend
- N On-Line Monitoring Guidance to Improve Plant Reliability
Cécile Lenoir

Endesa S.A.

- G Application of Creep-FatiguePro for Boiler Life Monitoring
Eduardo Martínez Amor, Andrés Sánchez-Biezma Sacristan
- P Energy Storage Integration
Pablo Fontela Martinez

ENEL S.p.A.

- P Advanced Distribution Management Systems Assessments
Christian Noce
- G Application of Creep-FatiguePro for Boiler Life Monitoring
Silvia Olivotto, Stefano Sigali

Entergy

- E Sustainability Benchmarking Database and Industry Leader Forum
Rick Johnson

Eskom

- P Streamlined Hosting Capacity
Sanjian Malapermal, Prathaban Moodley

Exelon Corporation

- N Develop First-of-a-Kind Application of Peening
James Cirilli, Jack Feimster, Gary Hagemann, Bradley Lanka, Jeff Wilson, Ed Wrigley, Benjamin Youman
- P Electric Vehicle Charging Infrastructure Deployment
Michael Trzaska
- N Exelon Corporate Decommissioning Model Uses EPRI Guidance
Christopher Wilson
- P Streamlined Hosting Capacity
Manuel Avendaño Mora
- P Thermostats for Energy Efficiency and Demand Response
Heather Anderson, Amanda Janaskie

FirstEnergy Corporation

- P Advanced Distribution Management Systems Assessments
Jay TeSelle, Mark Vallo, Joe Waligorski
- G Application of the EPRI Fixed Structure Concept for Mercury Control
Mark Scaccia, Daniel Sendro
- P Asset Management Analytics Applications
Rick Johnson

- P Conductor Corrosion Inspection Tool (C-Corr) Field Demonstration
Rudy Stanec

- P Identification and Economic Evaluation of Electrification Opportunities
Stephen Briggs

- G Integrated Landfill Leachate Treatment Technology Demonstration
Mark Golightly, Adam W. Hoalcraft, Kayla Pauvlinch

- P System-Wide Protection Assessment Tool
David Barber, Matthew Behe, James Detweiler, Jeffrey Mackauer, Sean Martin

FirstEnergy Nuclear Operating Co.

- N Implementation of Phoenix Risk Monitor to Improve Risk Management
Andrew Borsi, Lawrence Mangan, Aaron Quaderer, Nicholas Rochford, Rich Siembor

Florida Power & Light Company

- G Application of Alternative Weld Repairs in Grade 91 Steel
Alfredo Mayorca, Keith Rapkin

General Electric

- G Application of Alternative Weld Repairs in Grade 91 Steel
Andrew Michalov

Glasgow Electric Plant Board

- P Smart Thermostats for Energy Efficiency and Demand Response
William Ray

Great River Energy

- P Identification and Economic Evaluation of Electrification Opportunities
Jeff Haase
- E Scenario Analysis to Improve U.S. Electric Sector Modeling
David E. Farnsworth
- P System-Wide Protection Assessment Tool
Derrick Schlagen, Zach Kuhn

Hawaiian Electric Company

- P Electric Vehicle Charging Infrastructure Deployment
Jimmy Yao

Hydro-Québec

- P Electric Vehicle Charging Infrastructure Deployment
Vincent-Michel Duval

Hydro One

- P Asset Management Analytics Applications
Mike Tanaskovic
- P Conductor Corrosion Inspection Tool (C-Corr) Field Demonstration
Hassan Hamzeh
- P Streamlined Hosting Capacity
Jigar Patel

Kansas City Power & Light

- P Electric Vehicle Charging Infrastructure Deployment
Chuck Caisley
- P Identification and Economic Evaluation of Electrification Opportunities
Joe Fangman

Korea Hydro & Nuclear Power Company

- N Application of Improved Plant Startup Ramp Rate Based on Falcon Fuel Performance Code Results
Sunghwan Chung, Seongtaek Hyun, Jungon Kim, Kiyoun Kim, Yongdeog Kim, Yongbae Yoon

LG&E and KU

- P Electric Vehicle Charging Infrastructure Deployment
John Hayden, Nicholas Jewell, Jay Robertson
- G Louisville Gas & Electric and Kentucky Utilities Solar Photovoltaic Project
Jeffrey B. Heun, Nicholas Jewell, David Link

Lincoln Electric

- P Smart Thermostats for Energy Efficiency and Demand Response
Bob Ruskamp, Marc Shkolnick

Luminant Holding Company, LLC

- N On-Line Monitoring Guidance to Improve Plant Reliability
Clinton Carter

Maine Yankee

- N Use of Dry Storage Canister Robotic Inspection System to Perform Examinations
Paul Plante

Middle Tennessee Electric Membership Corp.

- P Streamlined Hosting Capacity
Thomas Suggs

National Grid

- P Demonstration of Smart Inverters with Utility Management Using Standard Communications
Clayton Burns, Justin Woodard
- P Streamlined Hosting Capacity
Babak Enayati, Pedram Jahangiri

New Brunswick Power Corporation

- N Use of Heat Exchanger Guidance to Develop In-House Program
Jennifer Lennox

New York Power Authority

- P Conductor Corrosion Inspection Tool (C-Corr) Field Demonstration
Julius Fuks

Pacific Gas & Electric

- P Electric Vehicle Charging Infrastructure Deployment
Jana Corey
- P Energy Storage Integration
J. Henderson, Jason Pretzlaf, Jon Thalman

PNM Resources

- P Identification and Economic Evaluation of Electrification Opportunities
Stella Chan

PEPCO Holdings

- P Demonstration of Smart Inverters with Utility Management Using Standard Communications
Stephen Steffel
- P Electric Vehicle Charging Infrastructure Deployment
Barbara Gonzalez



PPL Corporation

- P Asset Management Analytics Applications
William Lauer

Prairie State Generating Company

- G Application of Alternative Weld Repairs in Grade 91 Steel
Don Mock

PSEG Power, LLC

- G Coordinated Neutralizing and Filming Amine Optimization in HRSGs
William Clancy

Red Eléctrica de España

- P Energy Storage Integration
Belén Díaz-Guerra Calderón

Sacramento Municipal Utility District

- P Identification and Economic Evaluation of Electrification Opportunities
Alan Suleiman

Salt River Project

- P Asset Management Analytics Applications
Elijah Campbell, Scott Anderson
- P Demonstration of Smart Inverters with Utility Management Using Standard Communications
Catherine O'Brien, Grant Smedley
- E Risk Assessment and Stakeholder Communication of Air Quality and Emissions Trends
Kara M. Montalvo, Karis Nelson, Grant Smedley
- P Streamlined Hosting Capacity
Kenneth Brown, Ernest Palomino

San Diego Gas & Electric

- P Electric Vehicle Charging Infrastructure Deployment
Gregory Haddow

Saudi Electricity Company

- P Advanced Distribution Management Systems Assessments
Shafi A. Al-Hsaen

South Carolina Electric & Gas Company

- N Pilot Plant Application of Risk-Informed In-Service Inspection to New Build Fleet
Michael Fanguy, Richard Troficanto

Southern California Edison

- P Electric Vehicle Charging Infrastructure Deployment
Dean Taylor
- P Locational Value of Distributed Resources
Dhaval Dagli, Jeff Nelson, Erik Takayesu

Southern Company

- G Application of Small Punch Test for Remaining Life of 1950's Steam Turbines
David Downs
- P Conductor Corrosion Inspection Tool (C-Corr) Field Demonstration
Kuni Scissum
- P DOE SUNRISE Solar Integration Project
John Bowen, Kevin Dowling, Jonathan Glidewell, William Hobbs, Shih-Min Hsu, Andrew Ingram
- P Electric Vehicle Charging Infrastructure Deployment
Ben Echols
- P Energy Storage Integration
Clifton Black, Michael Dalton, Haile Gashaw, Keith Harley, Andrew Ingram, Ricky Raley, Sylvester Toe
- P Identification and Economic Evaluation of Electrification Opportunities
Pradeep Vitta
- E Optimization of Fish Protection Systems for Cooling Water Intakes at Power Plants
Bill Garrett, Justin Mitchell



E Risk Assessment and Stakeholder Communication of Air Quality and Emissions Trends
John Jansen, Justin Walters

E Scenario Analysis to Improve U.S. Electric Sector Modeling
Charles G. Rossmann

P Smart Thermostats for Energy Efficiency and Demand Response
Justin Hill, Ron Robertson

Southern Nuclear Operating Company

N Pilot Plant Application of Risk-Informed In-Service Inspection to New Build Fleet
James Agold

Taiwan Power Company

G Demonstration of Low Conductivity Thermal Barrier Coating for GT Combustors
Ruey-Tarng Cheng, Shih-Min Lin, Shyh-Ru Shieh

Talen Energy

N Validation of Structural Weld Overlay Design Using EPRI Guidance
Megan Comstock, Thomas Kupetz, Ronald Vazques

Tennessee Valley Authority

E Application of a Scientific Framework to Assess Coal Ash Pond Closure Options
Anne M. Aiken, Shannon Bennett, Abigail L. Bowen, Ashley Farless, Ronda Hooper, John C. Kammeyer, Nicholas A. McClung, Scott Turnbow

P DOE SUNRISE Solar Integration Project
Jeffrey Powell, David Smith, Stephen Smith

E Evaluation of Energy Efficiency to Reduce Green House Gas Emissions under the Clean Power Plan
James Linder, Sevin Sozer, Karen Utt, Glenn Wheeler

G Heat Recovery Steam Generator (HRSG) Cleaning
Todd Bell, Steven M. Halcomb, Nathan Wilson

P Streamlined Hosting Capacity
David Smith

E Sustainability Benchmarking Database and Industry Leader Forum
Lee Matthews

The Kansai Electric Power Company

N Application of Materials Aging Management to Japanese Fleet
Hideyuki Takai

Tokyo Electric Power Company

N Application of Materials Aging Management to Japanese Fleet
Masao Uesaka

TransCanada Corporation

G Application of Small Punch Test for Remaining Life of 1950's Steam Turbines
Edward Wheeler

Tri-State Generation & Transmission

P Identification and Economic Evaluation of Electrification Opportunities
Myles Jensen

ÚJV Rež

N Cable Aging Management Program Implementation
Vít Placek

WEC Energy Group

P Identification and Economic Evaluation of Electrification Opportunities
Joann Henry

Westar Energy

P Identification and Economic Evaluation of Electrification Opportunities
Chad Luce

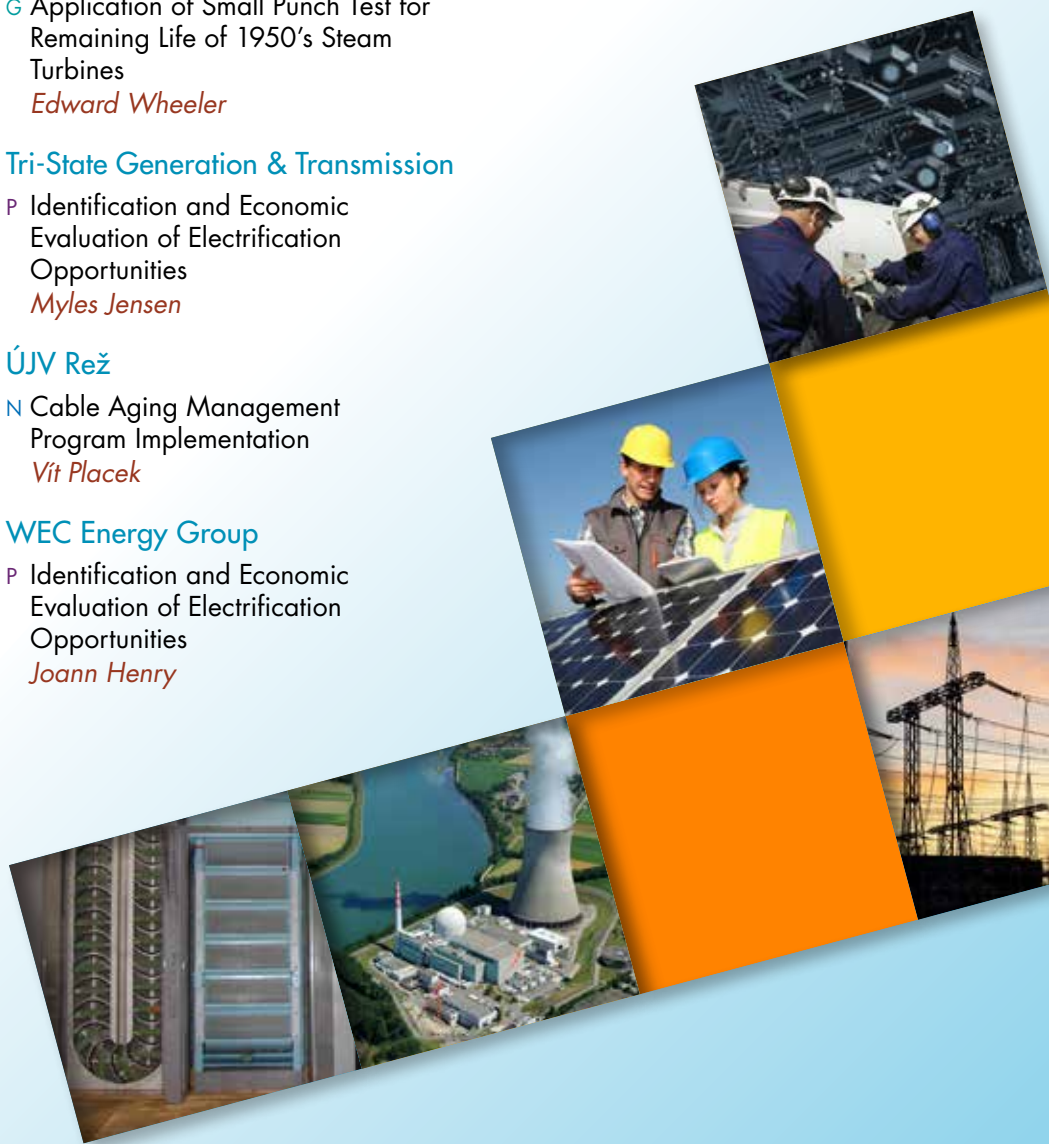
Xcel Energy

G Application of Alternative Weld Repairs in Grade 91 Steel
Eric Dupont, Mike Webb

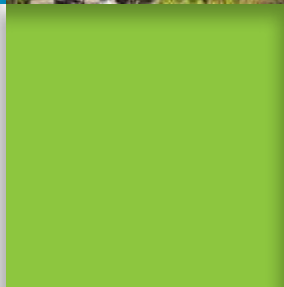
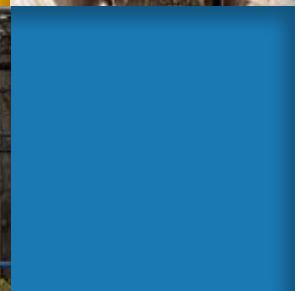
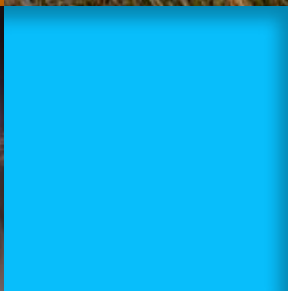
N Streamlined Hosting Capacity
Brian Amundson, Mary Kay Duquette, Chris Punt

Yankee Atomic Electric Company

N Use of Dry Storage Canister Robotic Inspection System to Perform Examinations
Neil Fales



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