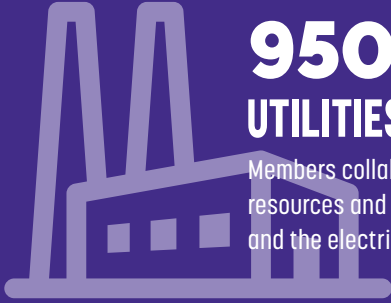


CELEBRATING 40 YEARS OF PUBLIC POWER R&D ACCOMPLISHMENTS IN 2020



950 PUBLIC POWER UTILITIES STRONG

Members collaborated, innovated, and pooled resources and ideas to move public power – and the electric industry – forward.

\$1,448,325

AWARDED TO 19 NEW PROJECTS

90 percent of members' project proposals were supported with funding in 2020.

\$83,000

AWARDED THROUGH

22 SCHOLARSHIPS

Members mentored students and supplemented their workforce with interns and student researchers.

\$232,116 SAVED

Members saved big on complimentary and discounted DEED-funded products.



524 MEMBERS EDUCATED

Through 13 DEED webinars on innovative, completed projects.

1 AWARD OF CONTINUED EXCELLENCE AWARDEE

AMERICAN MUNICIPAL
POWER, OH

AWARDS

3 ENERGY INNOVATOR AWARDS

AMERICAN MUNICIPAL
POWER INC., OH
Public Power EV Planning
Toolkit and Guidebook

HEARTLAND CONSUMERS
POWER DISTRICT, SD
Renewable Cost Calculator

LAKELAND ELECTRIC, FL
Damage Assessment
Restoration Toolset

2,228 PUBLIC POWER EMPLOYEES INFORMED & POSITIONED TO CAPITALIZE ON DEED

Subscribers to the monthly DEED Digest newsletter are the first to learn about grant and intern funding, awards, and free and discounted resources developed through DEED projects.

116 PUBLIC POWER PROFESSIONALS FROM 83 UTILITIES IN 33 STATES & TERRITORIES SUPPORTED ON COMMUNITY SOLAR DEVELOPMENT

DEED's collaboration with the U.S. Department of Energy's National Labs on community solar is boosted by \$112,000 in federal funding.



2020 GRANTS & SCHOLARSHIPS

CREATIVE FINANCING

G-413 Using Dynamic Blockchain Market Incentives to Reduce Capacity and Energy Costs for Utilities; Burlington Electric Department, VT

RENEWABLE ENERGY

G-414 Downtown Moorhead Community Geothermal System Pilot Project; Moorhead, MN

S-267 Solar Energy Educational Outreach Development, Menasha Utilities, WI sponsored Antero Nevarez-Lira and Gianluca Eickenberg, University of Wisconsin – Parkside

S-268 STATCOM vs. Synchronous Condenser: System Perspective for Stability & Control in Low-Inertia Systems, Silicon Valley Power, CA sponsored Parisa Mohammadalizadeh Shabestari; Washington State University

S-274 Web-Based Solar Calculator and Lobby Monitor Display, Heartland Consumers Power District, SD sponsored John Kirkvold, South Dakota State University

G-422 Further Development and Performance Improvement of a Photo-rechargeable Battery; Los Angeles Department of Water and Power, CA

ENGINEERING & OPERATIONS

G-415 An Impedance Method for Determining Distance to the Fault; Fayetteville Public Works Commission, NC

G-419 Demonstration Project to Achieve Cost Effective Reliability Improvement Using Single Phase Reclosers; Florida Municipal Power Agency (Town of Havana, Keys Energy Services; City of Tallahassee), FL

G-421 Reaching Remote Equipment for SCADA Communications; Tillamook People's Utility District, OR

S-269 KUA Reginald Hardee Line Worker Internship, Kissimmee Utility Authority, FL sponsored Chase Fuller, Groundman Certificate Program

S-270 Electrical Engineer Intern — Littleton Electric, Littleton Electric Light and Water Departments sponsored Tyler Hunt, Worcester Polytechnic Institute and Joe Leduc, Merrimack College

S-271 Electric Operations Intern, New Richmond Utilities sponsored Josh Miller, University of Wisconsin, River Falls

S-273 VoM Electrical Internship, Village of Morrill, NE sponsored Garrett Tinsley, Western Nebraska Community College

S-276 Electrical Engineering Internship, Idaho Falls Power sponsored Samuel Pixton, Brigham Young University

GEOGRAPHIC INFORMATION SYSTEMS

S-272 GIS Implementation and Application, Beaches Energy Services sponsored Nahum Michel, University of North Florida, Jacksonville

S-275 GIS Intern, Zeeland Board of Public Works sponsored Willem Langejans, Grand Valley State University

AMI & DATA ANALYTICS

G-416 EPUD AMI Connected Analytics Platform; Emerald People's Utility District, OR

COMMERCIAL AND RESIDENTIAL COOLING

G-417 High Efficiency Recycled Water Indirect Evaporative Cooling System; Burbank Water and Power, CA

G-418 Maximizing the Effectiveness of Ductless Mini-Splits in Existing Homes; Silicon Valley Power, CA

SECURITY

G-420 Deployment of Cybersecurity Solutions; APPA and the U.S. Department of Energy, DC

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