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

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.
2 RESOURCES LAUNCHED
The eSafety Tracker and the Community Solar Guidebook, available in APPA’s Product Store.

10 GRANT & 10 SCHOLARSHIP PROJECTS COMPLETED
DEED members can learn about these and 500 other completed projects in the DEED Project Library.

2020 GRANTS & SCHOLARSHIPS

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

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

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

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

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

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