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

950
PUBLIC POWER UTILITIES

18
GRANT & SCHOLARSHIP PROJECTS COMPLETED
Members can access reports, white papers, webinars and more for these and 500 other completed projects in the DEED Project Database.

$1,394,705
AWARDED TO 17 PROJECTS
60 percent of member grant proposals received funding.

$202,729
SAVED
Members saved big on complimentary and discounted DEED products.

$140,000
AWARDED TO STUDENTS
Members supplemented their workforce through 37 scholarships, internships, and research grants.

3 ENERGY INNOVATOR AWARDEES
Fayetteville Public Works Commission, NC
Nebraska Public Power District, NE
City of Palo Alto Utilities, CA

1 AWARD OF CONTINUED EXCELLENCE AWARDEE
Austin Energy, TX

$1.2 M IN UNCOMMITTED FUNDS
Members can apply for this funding to support future initiatives.
2019 COMPLETED GRANT AND SCHOLARSHIP PROJECTS

Click the name of each project to bring you to the DEED Project Database for more information.

**Distributed Energy Resources**

G-399 Battery Energy Storage System And Micro-Grid Demonstration of an Optimization-Based Control Strategy, Rancho Cucamonga Municipal Utility, CA

G-401 ERMU Partners with City of Elk River and Local Businesses to Provide Fast EV Charging as Part of Green Step Cities Initiative, Elk River Municipal Utilities, MN


G-409 Analytics Using StorageVET, New York Power Authority, NY

S-244 Investigation of a High Voltage Electric Field on the Soiling Rate of PV Panels, City of Moreno Valley; Ryo Huntamer, University of California-Riverside, CA

S-246 Energy Storage Intern, Austin Energy; Julia Conger, University of Texas at Austin, TX

S-248 Investigation of a High Voltage Electric Field on the Soiling Rate of PV Panels, City of Moreno Valley; Ryo Huntamer, University of California-Riverside, CA

S-249 Energy Storage Intern, Austin Energy; Julia Conger, University of Texas at Austin, TX

**Engineering & Operations**

G-402 Small System Maintenance Manager, Massena Electric Dept., NY

G-403 Non-Communicating Automatic Feeder Restoration, Kerrville Public Utility Board, TX

G-408 Discovering Ferroresonance in Your Utility, Tillamook People’s Utility District, OR

S-245 Improve High Temperature Reliability of Gallium Nitride (GaN & Trap Density in Novel Gallium Oxide (Ga2O3)), Freedm System Center NC State University; Faisal Azam, North Carolina State University, NC

S-247 Cost and Energy Implications of Energy Sector Transformation on Water Heating Systems, Salt River Project; Naushita Sharma, Arizona State University, AZ

S-249 Energy Storage Intern, Austin Energy; Julia Conger, University of Texas at Austin, TX

S-250 Energy Efficiency Services Outreach Coordinator for Retail Customer Relations, Illinois Municipal Electric Agency; Lexi Yoggerst, University of Illinois-Springfield, IL

**Energy Services**

G-397 Leveraging Experience from Stanford and EDF to Develop Information and Tools for Thermal Microgrid Feasibility Assessments, Palo Alto, CA

G-398 Utilizing Smart Meters and Smart Load Management Switches to Update Peak Load Saving Estimates for Modern Residential Appliances, ElectricCities of North Carolina Inc., NC

G-404 Multi-Family Energy Efficiency Pilot Project, Lincoln Electric System, NE

G-406 Energy-Savings Potential in Commercial Food Service Plug Load Equipment, Silicon Valley Power, CA


S-243 Energy Efficiency Intern to Work with Existing Weatherization Education Outreach Program (WEOP), Fort Pierce Utilities Authority; Gabriela Rangel, Indian River State College, FL

S-247 Cost and Energy Implications of Energy Sector Transformation on Water Heating Systems, Salt River Project; Naushita Sharma, Arizona State University, AZ

S-250 Energy Efficiency Services Outreach Coordinator for Retail Customer Relations, Illinois Municipal Electric Agency; Lexi Yoggerst, University of Illinois-Springfield, IL

S-249 Energy Storage Intern, Austin Energy; Julia Conger, University of Texas at Austin, TX

G-408 Discovering Ferroresonance in Your Utility, Tillamook People’s Utility District, OR

S-245 Improve High Temperature Reliability of Gallium Nitride (GaN & Trap Density in Novel Gallium Oxide (Ga2O3)), Freedm System Center NC State University; Faisal Azam, North Carolina State University, NC

S-248 Investigation of a High Voltage Electric Field on the Soiling Rate of PV Panels, City of Moreno Valley; Ryo Huntamer, University of California-Riverside, CA

S-251 Engineering Intern-A, Independence Power & Light; Max Anderson, University of Missouri-Kansas City, MO

S-252 Engineering Intern-B, Independence Power & Light; Steven Lee, University of Kansas, KA

S-253 Developing and Testing Algorithms for Optimizing VAR Support Using an 8760 Hour Load Model, Silicon Valley Power; James Wang, Santa Clara University, CA


S-265 HCI Communications Portal, Northern California Power Agency. Jack Ta, University of California-Davis, CA

**Economic Development**

S-264 ElectriCities of NC Economic Development Intern, ElectriCities of North Carolina, Laquell Harris, Shaw University, NC

**Geographic Information Systems**

S-250 System Mapping Intern, Indiana Municipal Power Agency. Elijah Diehr. Trine University, IN

S-255 GIS Enhancement, Florence Utilities; Shayla McLain, University of Wisconsin- La Crosse, WI

S-258 Infrared Inspection, GIS Data Processing and Asset Management, Beaches Energy Services; Nahum Michel, University of North Florida, FL

**Key Accounts**

G-395 Landlord Connection Series, River Falls Municipal Utilities, WI

**Mutual Aid**

G-412 Surveying the Potential of Electrifying the Navajo Nation, Navajo Tribal Utility Authority, AR

**Public Communications**

G-400 Using Consumer Engagement Tools to Build Better Relationships Between the Customer and Utility, Cleveland Public Power, OH

**Renewable Energy**

G-411 Increasing Low-to-Moderate Income Household’s Access to the Benefits of Rural Public Power Community Solar Programs, WPPI Energy, WI

S-249 Generating Power from Rainfall, Silicon Valley Power; Shreyes Nallan, Santa Clara University, CA

S-261 Renewable Cost Calculator, Heartland Consumers Power District; Peter Choudek, St. Cloud State University, MN

S-266 Combined Stochastic Wind and Solar Power Bidding in the Southwest Power Pool Market, Lincoln Electric System; Josue Campos do Prado, University Nebraska-Lincoln, NE

**Safety**


**Workforce**

G-396 Power Career Workshop 101, ElectriCities of North Carolina, Inc., NC