

## September 2020 EDITION



Celebrate 40 Years of R&D!

The graphic features the DEED Public Power logo on the left, which includes a stylized "n" and the text "DEED PUBLIC POWER" and "40 YEARS OF INNOVATION". To the right of the logo is the text "Propelling public power forward with Smart Grid Technologies". Below this text is a call to action: "Log into the DEED Project Database for details on this and nearly 800 other industry-changing projects DEED has funded." In the center is a white box containing three book covers: "Smart Grid Economics: Smart Projects", "Smart Grid Essentials", and "Smart Grid Solutions: Implementation Strategies". Below the box is the text "IMPACTING THE INDUSTRY SINCE 1999".

### Celebrating 40 Years of DEED Innovation in Advancing Smart Grid Technologies

DEED has supported more than a dozen smart grid related research projects. The reports, publications, and other resources resulting from that body of work investigated and evaluated ways to leverage these new technologies to enable automation, two-way communication, power flow monitoring and control, and more to modernize the electrical grid.

DEED members can log into the DEED Project Database for details on this and nearly 800 other industry-changing projects DEED has funded. Not a DEED member? Contact Michele Suddleson at 202-467-2960.

### Take the DEED Membership Survey

The American Public Power Association began its Demonstration of Energy & Efficiency Developments program 40 years ago. DEED is public power's national research program and is dedicated to improving the operations and services of public power utilities by supporting and demonstrating its members' innovative ideas through research, funding, and education. We need your help to ensure the program is providing the

greatest benefits and member care possible to its members. Please take advantage of this opportunity to contribute to the evolution of the DEED program by providing feedback on what's working, what's not, and how we can best serve you and your utility.

The survey should take fewer than 5 minutes to complete. Please respond by close of business on **Friday, October 16, 2020**. [Click here to take the 2020 DEED Membership Survey now.](#)

## Fall Internship Application Cycle is Open



The Fall Internship Application Cycle opened on **August 1st** - the deadline to apply is **October 15**.

A DEED internship provides \$4,000 in funding to hire an intern to help develop and implement programs or initiatives at your utility. If you have a project that is more of the standard system upgrade or procedure, a DEED internship can supply some extra help.

More information is available [here](#) and in the [DEED Scholarship Guide for Utilities](#).

## Idaho National Lab Fellowship Opportunity

Cybersecurity is critical for maintaining reliable operations. DOE's CESER has positions open for their **Operational Technology Defender Fellowship Program**, hosted by Idaho National Laboratory. Each year 10 participants are invited to join a cohort with a focus on familiarizing middle- and senior-level OT security managers with the cyber strategies and tactics that adversarial state and nonstate actors use to target US energy infrastructure. The application, qualifications, and other details on this fellowship opportunity can be found at [INL's website](#).

## Save the Date: Upcoming Webinars

### [New, Energy Efficient Cooling System's Use of Recycled Water is a Win-Win for Utilities and Customers](#)

The amount of energy required to cool facilities can be extremely costly and often results in blackouts during periods of peak demand.



### DEED Energy Innovation Awards

Public power utilities are honored for their innovative initiatives in the energy industry each year with the Energy Innovator Award (EIA), presented by the Association's Demonstration of Energy & Efficiency Developments (DEED) program. This webinar features three winners of the EIA that will showcase the creative and ingenuitive ways they solved problems and addressed needs in their communities with new technologies, initiatives and services. Join folks from American Municipal Power, Heartland Consumers Power District, and Lakeland Electric to hear about their innovative solar, electric vehicle, and storm damage resoration tools. [READ MORE](#) about the projects.

Speakers:

- Erin Miller, American Municipal Power
- Ann Hyland, Heartland Consumers Power District
- Adam Graff, Heartland Consumers Power District
- Korey Bush, Lakeland Electric

**Please join us at 2:00 - 3:30 PM EST on Tuesday,  
October 20.**

### **Free Webinar to Showcase APPA's eReliability Tracker**

#### Free Webinar to Showcase APPA's eReliability Tracker

The [eReliability Tracker](#) is the most affordable, user- and mobile- friendly tool for public power utilities to collect, categorize, and analyze outage information. Tune in to this webinar to hear an overview of the Tracker's features and functionalities, including how to record outage information, import/export large outage data sets, and run in-system reports.

**Please join us at 2:00 - 3:00 PM EST on Tuesday  
October 13.  
Register [here](#).**

Burbank Water & Power tested a new system to reduce energy usage, water usage, and costs for both the utility and their customers. Learn about the results of their pilot test with an indirect evaporative cooling syste in this webinar.

Speaker: Asif Sheikh, Burbank Water & Power

**Please join us at 2:00 - 3:00 PM EST on  
Thursday, November 19.**

### National Community Solar Partnership Collaboration

APPA is collaborating with the U.S. Department of Energy's [National Community Solar Partnership](#) to expand access to affordable community solar in their cities. Municipal utilities are invited to join and gain access to an in-depth webinar series, direct technical assistance resources, and a peer-to-peer network of municipal utilities focused on accelerating community solar.

Speakers:

- Alex Hofmann, APPA
- Michele Suddleson, APPA
- Kyle Fricker, U.S. Department of Energy

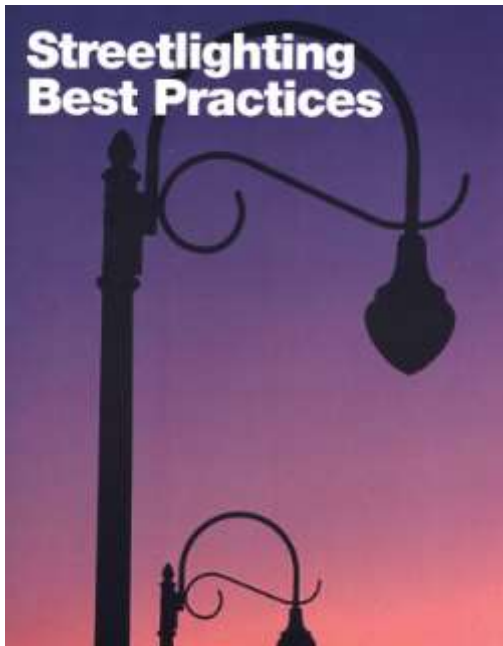
**Please join us at 11:00 - 12:00 PM EST on  
Thursday, September 24.**



## Public Power in the News

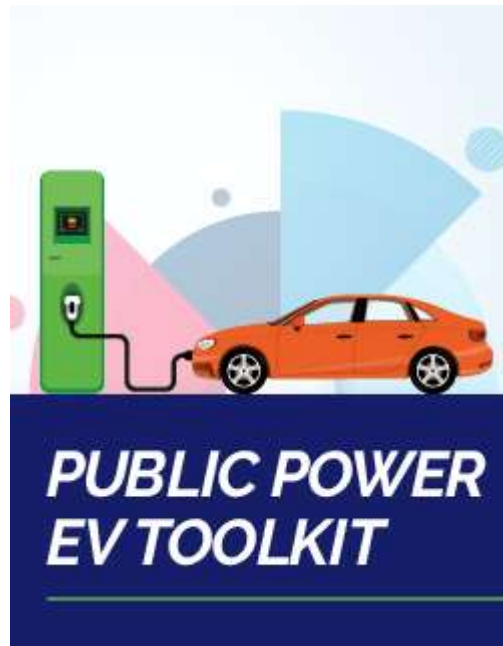
The American Public Power Association has joined a coalition of 38 organizations and the U.S. Chamber of Commerce in a letter supporting the inclusion of energy innovation legislation in the House's fall legislative agenda. In their August 17 letter to House Speaker Nancy Pelosi, D-Calif., and Minority Leader Kevin McCarthy, R-Calif, they expressed the importance and the urgency of addressing climate change as an industry and a nation. [Read about their suggested bills and legislation here.](#)

## DEED Resources Spotlight



### [Streetlighting Best Practices](#)

*Street Lighting Best Practices* provides guidelines and a training program for street light design, construction, operation, and maintenance. Available in both physical and digital formats, it includes a five-module training tutorial that accompanies the book.



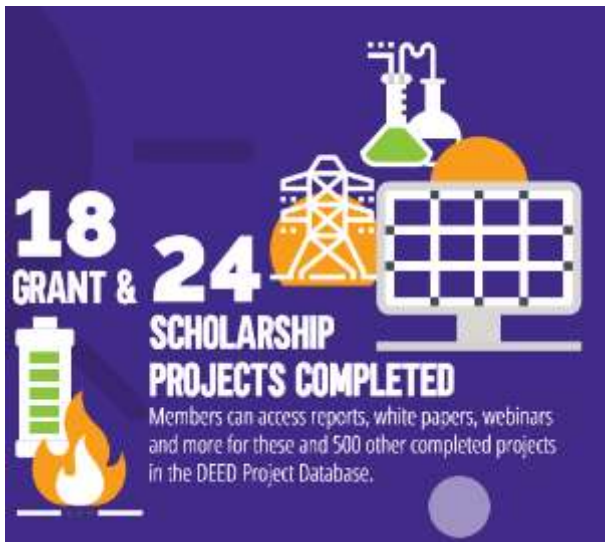
### [Public Power EV Planning Toolkit](#)

Developed through a DEED grant, the Public Power EV Planning Toolkit will give you a preliminary read on the time and resources you may need to dedicate to planning and rolling out a strategy for EV adoption. This excel-based application will give you meaningful insights into your service territory and provides a useful economic screening.

## Recently Completed Projects

### [G-418: Maximizing the Effectiveness of Ductless Mini-Splits in Existing Homes](#)

Many utilities incentivize ductless heat pump (DHP) systems in homes, assuming that they will be used to replace old equipment. Instead, homeowners typically install them in a main living room area and keep their old equipment as back-up. Silicon Valley Power used a DEED grant to study, model, and test different solutions for controlling the old HVAC system with the new DHP in a way that maximizes



the use of the DHP. Their results are useful for any utility looking for simple, useful, and inexpensive ways to keep homeowners comfortable and save energy. [Read more.](#)

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## Contact

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