

American Public Power Association

# DEEDdigest

## AUGUST 2019 EDITION

**DEED Webinars: Hear first-hand from public power innovators about their DEED supported projects**

**TODAY:**

### Planning for Electric Vehicles in Your Community

As electric vehicles gain traction, they have begun to present challenges to utilities related to planning, operations, and customer engagement activities. In an effort to address this increasing impact, American Municipal Power, Inc. (AMP) and the Smart Electric Power Alliance (SEPA) partnered to create the Public Power EV Planning Toolkit. This toolkit provides preliminary planning and economic analysis support to assess municipal EV Fleet options and potential impacts on the residential distribution system under various EV charging patterns. This webinar will dive into a demo of the Excel-based toolkit, as well as show how the guidebook functions within the tool. Your utility will be able to access and easily customize this toolkit to reflect your specific service territory.

This webinar will be most valuable to utility personnel involved in business intelligence, energy services, distribution planning, and economic development.

Join us on **Wednesday, August 14th at 2:00 PM EST** to hear from the staff at AMP and SEPA that planned and executed this toolkit.

[Register Now](#)

**Help us deliver content you want - Take Our Survey!**

As we continue our monthly **Dig Deeper with DEED** segments, we need to hear what topics are most important to you! Tell us what you want to see more of by [clicking here](#).



DEED Webinars

A chronological listing of DEED webinars is posted for DEED member only access [here](#).

DEED webinars are provided free to DEED members. To find out if you are a DEED member, [click here](#).

This webinar's speakers include:

- **Erin Miller**, Director of Energy Policy and Sustainability, American Municipal Power, Inc.
- **Chris Schroeder**, Vice President, Smart Electric Power Alliance
- **Ted Davidovich**, Utility Planning Manager, Smart Electric Power Alliance

## Internship Opportunities Now Available; Grant Cycle Closes 8/15/2019

**Put an intern to work at your utility.**

Submit your internship application by October 15 to secure \$4,000 in funding to hire an intern

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### Tomorrow is your last chance to apply for up to \$125,000 in grant funding!

Get your utility grant applications in by **Thursday, August 15th**. Decisions will be announced in mid-October. View the [DEED Funding for Utilities page](#) and the [Utility Guide for Project Funding](#) for more information.

### Apply for student internship funding

The Fall Internship Application Cycle opened on **August 1st**. The deadline to apply is October 15, 2019. An intern is often a good way to obtain "free" manpower to help develop and implement programs or initiatives at your utility. If you have a project that is more of the standard system upgrade/normal maintenance activity/capital improvement project, applying for **\$4,000** to put an intern to work can be a good way to receive funding when it is not appropriate for a DEED grant. More information is available [here](#) and in the [DEED Scholarship Guide for Utilities](#).

To get started and gain access to the grant and/or intern application, email [DEED@PublicPower.org](mailto:DEED@PublicPower.org).

### Lineworker Scholarships

Having trouble recruiting lineworkers and other technical staff? Help us so we can help you. Send DEED your contacts at technical colleges, vocational schools, lineworker schools, and local high schools, and we'll promote public power and DEED scholarship opportunities to their students. Please send your contact names, school affiliations, titles, and email addresses to [DEED@PublicPower.org](mailto:DEED@PublicPower.org).

**LINEWORKER SCHOLARSHIPS** #PublicPower

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### R&D Spotlight in latest issue of the Public Power Magazine



The July/August Public Power Magazine dives into the importance of R&D in the public power industry. As stated in the article, [R&D prepares public power for the future](#), "Public power utilities are finding that R&D pays off by making their operations safer, more efficient, and more reliable, while keeping them relevant."

Catch a glimpse of how our large members, such as Silicon Valley Power and City Utilities of Springfield, leverage their DEED funding through the [Public Power R&D Booster](#).

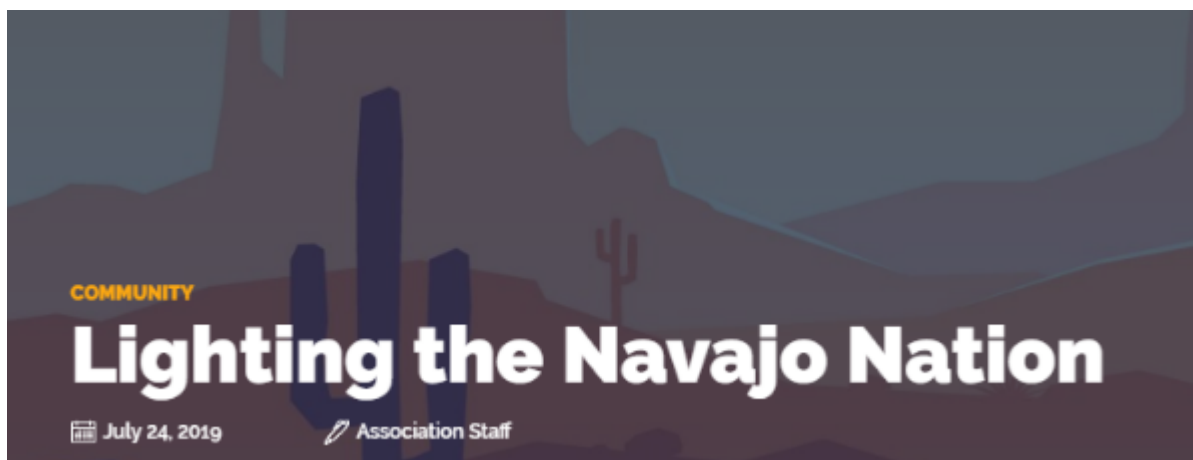
## Dig Deeper with DEED: Blockchain

A recent survey by EPRI's Utility Blockchain Interest Group and Indigo Advisory Group details intriguing perspectives of utilities and regional transmission operators regarding promising and emerging applications in the utility industry—including protocols that govern and serve as the backbone of the technology; and potential barriers, advantages and benefits of blockchain across the utility value chain. The survey highlights are available [here](#) after providing general contact information.

Use these current blockchain projects to inspire your next DEED grant:

- Sacramento Municipal Utility District's current grant, CG-2244 [Coordinating EV Charging with Renewable Electricity Generation using Blockchain Incentives](#), is expected to be completed by October 2020.
- Burlington Electric Department's current grant, CG-2155 [Using Dynamic Blockchain Market Incentives to Reduce Capacity and Energy Costs for Utilities](#), is expected to finish up in September 2019.

## Lighting Up the Navajo



DEED is proud of its opportunity to contribute to an effort as important and life-changing as electrifying the Navajo Nation. The Navajo Tribal Utility Authority (NTUA) received a \$125,000 DEED grant to support

planning of the Light Up Navajo effort. Read up on the latest updates on the DEED Project Database: [Surveying the Potential of Electrifying the Navajo Nation](#).

The APPA article, [Changing lives, creating opportunities: electrifying homes in the Navajo Nation](#) shows how APPA and DEED have impacted the lives of many.

## Recently Completed Projects

Three grants wrapped up in the month since our last newsletter. Visit the DEED Project Database for a repository of hundreds of outstanding research projects funded by DEED. Search this unparalleled database to learn what other public power utilities like yours have done. Discover how you can replicate the success of research projects and get ideas for projects you can conceive and submit for DEED funding.

### G-405 Safety Smart Video Series, 2nd Edition

#### Minnesota Municipal Utilities Association

(MMUA) partnered with several public power organizations to develop a series of safety training videos. The content and training presented in the videos reinforce the APPA Safety Manual, National Electrical Safety Code, and appropriate OSHA Standards. As a DEED member your utility employees - especially lineworkers - can access the videos free of charge through the DEED Project Database, here: [READ MORE](#)

### G-406 Energy-Savings Potential in Commerical Food Service Plug Load Equipment

**Silicon Valley Power (SVP)** worked with Frontier Energy to understand the energy consumption of smaller plug load food service appliances.

Appliances that operate without removing heat load contribute to the cooling load of the facility. The team conducted research to demonstrate and characterize the energy savings potential, cost effectiveness, and improved facility conditions of energy efficient equipment when compared to baseline equipment. Learn more about the project here: [READ MORE](#)

### G-407 Public Power EV Planning Toolkit & Guidebook

**American Municipal Power, Inc. (AMP)** partnered with the Smart Electric Power Alliance to create the Public Power EV Planning Toolkit and Guidebook. The project deliverables and Excel-based tool can be found on the DEED Project Database here: [READ MORE](#)

Learn more about the project during today's, August 14th, webinar. [REGISTER FOR THE WEBINAR HERE.](#)

## Austin Energy eyes data tool to get to heart of customer feelings

If there's one thing we know, it's that **Liz Jambor**, DEED Board Chair, and Manager of Data Analytics & Business Intelligence at Austin Energy, *loves* data. The APPA article, [Austin Energy eyes data tool to get to heart of customer feelings](#), highlights Liz's take on Austin Energy's cutting edge data analysis work and the importance of investing in R&D.

## Efficient Electrification at EPRI

EPRI's June issue of [Efficient Electrification](#) is about innovation in electrification technology, where and how that technology is applied, and how innovation is encouraged. Take a look at DEED member **New York Power Authority's (NYPA)** highlight in the *Electrification in Action* segment. NYPA partnered with the [New York University Tandon School of Engineering Urban Future Lab \(UFL\)](#), to create the [NYPA Innovation Challenge](#), which aims to promote entrepreneurial innovation in electric vehicle and energy storage technologies.

## Contact

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