

Happy Holidays

FROM ALL OF US AT NEXTENERGY!

DECEMBER 2018

Monthly Update



Keeping People at the Center of Smart Cities Tech Jim Saber, President & CEO NextEnergy

On behalf of all of us at NextEnergy, we wish all of you a happy holiday season! This has been an exciting year of transition for us, including the evolution of the NextEnergy brand (look for more to come on that in the new year) and a refined mission focused on delivering smarter, cleaner and more accessible solutions for communities and cities through our work in the areas of smart mobility and smart grid.

In that spirit, I want to take this opportunity to tell you about some of our recent activities and events, what we've learned, and why we think it matters. Read [more](#).

PlanetM Mobility Pilot Winners



The [PlanetM Startup Grant Program](#) provides mobility startups funds to test, deploy and validate their technologies that address real-world transportation challenges in Michigan.

Meet the 3 mobility pilot latest winners:

- [HAAS Alert](#), a Chicago-based startup, has partnered with Grand Rapids Police, Fire and Life EMS to deploy the nation's first complete citywide alert system.
- [Humanising Autonomy](#), a London-based startup, will build human-centered tools to improve safety and efficiency of autonomous systems through understanding human behavior.
- [RoadBotics](#), a Pittsburgh-based startup, uses artificial intelligence to generate automated pavement condition data. The company will analyze Detroit's roads to build a data-driven pavement management strategy for the city, helping maximize investments.

Click here to watch the [Informational Session & Webinar](#) hosted by [NextEnergy](#) on Dec. 11.

Experts shared insights and details about the program, application process, how the grants can help accelerate your path to commercialization, and the value of being a grant recipient.

Global mobility startups can still apply for one of two PlanetM Startup Grant opportunities in 2019!

Call for Participation



AMERICAN
SOLAR
ENERGY SOCIETY

SOLAR 2019 Conference “Race to Renewables”

Aug. 5-9 | Minneapolis

Call For Participants - deadline Jan. 31!

What began as an idea to bring the industry’s brightest together to drive progress and re-imagine the energy economy of the future, continues today as a unique blending of science, business, policy and industry. American Solar Energy Society (ASES) represents the scientists, educators, activists, and others who can provide renewable energy technologies and solutions for climate action in the United States that will have an impact within the next two years.

[Submit](#) your proposal today!

Small Business Energy Incentive



The Michigan Energy Office (MEO) has launched the [Small Business Energy Waste Reduction Incentive Pilot \(SMEWRIP\)](#) focused on providing rebates to small manufacturers in the Upper Peninsula to support the implementation of energy waste reduction activities and projects. A maximum incentive of up to \$10K (with a 100% match requirement) is available to any manufacturer located in Michigan's Upper Peninsula with fifty (50) or fewer employees.

Events

View our full list of events [here](#).



Automobili-D

Jan. 14-17 | Detroit

A portion of North American International Auto Show (NAIAS) will once again be dedicated to innovative mobility technology. Companies and tech startups will showcase their new innovations—ranging from suppliers driving mobility technology, V2I connectivity and more. Now in its third year, AutoMobili-D will showcase 50 startups from around the world. AutoMobili-D will kick-off in conjunction with the start of Press Preview and will remain open through Industry Preview.



Consumer
Technology
Association™

Consumer Electronics Show

Jan. 8-11 | Las Vegas

The only place to experience the entire connected ecosystem that brings together the technologies, solutions, players and audiences in the smart city sector from around the world.



NORTH AMERICAN INTERNATIONAL
AUTO SHOW™

North American International Auto Show

Jan. 14-27 | Detroit

This serves as the global stage for companies to debut brand-defining vehicles and industry-shaping announcements—with the largest concentration of the world’s top automotive and technology executives, designers, engineers and thought leaders.

Smart Cities International Symposium & Exhibition



Smart Cities International Symposium & Exhibition

Jan. 22-24 | Chicago

Hear from expert speakers that will examine the experiences of municipal governments who are pushing the envelope and moving toward transitioning to the 21st Century smart city.



The Smart City Event

Jan. 29-Feb. 1 | Ft. Lauderdale

Co-located with IOT Evolution Expo, discover the nearly limitless potential of Smart Cities and how connected solutions will drive city wide improvements, better quality of life for residents and business opportunity for enterprises.



Midwest Energy Solutions Conference

Feb. 20-22 | Chicago

Once a year, [MEEA](#) invites all energy stakeholders to gather to raise awareness and reinforce the importance of energy efficiency in the Midwest. Early-bird registration is officially open!



Shared Mobility Summit

Mar. 5-7 | Chicago

Explore how different mobility options (ridehailing, carsharing, autonomous vehicles, and more) can work together to create a multi-modal transportation system that's affordable, efficient, accessible, and environmentally sound.

Funding Opportunities

View our full list of funding opportunities [here](#).

>>>ACTIVE<<<

OPEN +

ARPA-E announced \$12M in funding for five projects as part of its first-ever OPEN+ program.

Inspired by the high quality of applicants in the agency's recent [OPEN 2018](#) funding opportunity, this first cohort will focus on ways to advance nuclear power by overcoming challenges in high performance materials science.

Cybersecurity Innovation for Cyberinfrastructure

Deadline: Jan. 23, 2019

Awards: \$19.5M

The objective of the program is to develop, deploy, and integrate security solutions that benefit the scientific community by ensuring the integrity, resilience, and reliability of the end-to-end scientific workflow.

Training-based Workforce Development for Advanced Cyberinfrastructure

Deadline: Feb. 6, 2019

Awards: \$6M

This program seeks to prepare, nurture, and grow the national scientific research workforce for creating, utilizing, and supporting advanced cyberinfrastructure. These efforts will help enable and potentially transform fundamental science and engineering research and contribute to the nation's overall economic competitiveness and security.

Campus Cyberinfrastructure

Deadline: Feb. 20, 2019

Awards: \$17M

The Campus Cyberinfrastructure (CC*) program invests in coordinated campus-level

networking and cyberinfrastructure improvements, innovation, integration, and engineering for science applications and distributed research projects.

[Advanced Manufacturing](#)

Deadline: Proposals accepted anytime

Awards: TBD

The NSF seeks proposals that address issues related to national prosperity and security and advancing knowledge to sustain global leadership. Areas of research include manufacturing systems, materials processing, manufacturing machines, methodologies, and manufacturing across the length scales.

[Grid Optimization \(GO\) Competition](#)

Deadline: Apr. 1, 2019

Awards: Up to \$4M

The GO Competition is a series of challenges to develop software management solutions for a resilient and secure American electricity grid. Consisting of multiple challenge rounds, the first will focus on the problem of Security Constrained Optimal Power Flow (SCOPF), wherein competitors must use software to route power to customers across a simulated grid in a reliable and cost-effective way.

[Renewable Energy Systems and Energy Efficiency Improvements Program](#)

Deadline: Apr. 1, 2019

Awards: \$35.4M

The USDA is set to provide guaranteed loan financing and grant funding to agricultural producers and rural small businesses for renewable energy systems or energy-efficiency improvements.

>>>ROLLING<<<

[Business Accelerator Fund](#)

[Cyberlearning for Work at the Human-Technology Frontier](#)

[The Energy Efficiency and Renewable Energy Loans for Michigan Businesses](#)

[Energy Foundation Grants](#)

[Invest Michigan](#)

[Michigan Emerging Technologies Fund](#)

[Motor City Match](#)

[The Scherman Foundation Rosin Fund—Environment](#)

[Rural Energy for America Program Renewable Energy Systems & Energy Efficiency Improvement Loans](#)

[Training-based Workforce Development for Advanced Cyberinfrastructure \(CyberTraining\)](#)

Energy Solutions



Save money and energy when you participate in this exclusive pilot program!

The [Lighting Technology Energy Solutions \(LiTES\)](#) program aims to reduce the energy footprint in small and medium commercial buildings by

accelerating the adoption of advanced lighting controls solutions through training and technology deployment. Our goal is to have 100 contractors/installers trained, and 100 advanced lighting technology demonstrations deployed in Michigan by 2019.

Federal Funding Program



Pursue federal funding for your energy or transportation technology!

Administered by NextEnergy and funded by the MEDC, [MATCh Energy Grant](#) provides cost-share and/or commercialization funds to eligible Michigan small businesses and university researchers applying for advanced energy- or transportation-related, non-SBIR/STTR federal funding from the DOE, DoD, NSF, DOT, etc.

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