



JANUARY 2018



### NextEnergy Blog

#### Mobility: A trend that is here to stay...

Jean Redfield, President & CEO

Five years ago, when we began to collaborate with thought leaders from the University of Michigan and industry to explore the future of mobility, it felt as if we were creating a new language. Back then, the term “mobility” was more synonymous with one’s physical abilities than it was to transportation. And the idea of a “sharing economy” was questioned as just another shiny object for millennials. [Read more.](#)

## Events

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

### AUTOMOTIVE MEGATRENDS

[Conferences](#) | [Webinars](#) | [Magazine](#)

#### Detroit - Connected Car | Autonomous Car | Powertrain

Mar. 13-15 | Dearborn

Each one-day conference provides a tech showcase bringing together the stakeholders responsible for the evolution of the connected car, making the self-driving car a reality, and tasked with creating the fuel-efficient and zero-emission cars of tomorrow. Register today. [Learn more.](#)



#### SXSW

Mar. 9-18 | Austin

The 9th-annual event will focus on the intersection of the utility and consumer technology markets—new opportunities for energy providers, energy management companies/services, integration of new connected devices and IoT. [Learn more.](#)



#### ARPA-E Energy Innovation Summit

Mar. 13-15 | Washington, D.C.

Experience first-hand the latest technological advancements across a wide variety of energy sectors at this 3-day summit. Hear experts from different technical disciplines and professional communities about America’s energy challenges in new and innovative ways. [Learn more.](#)

**Automotive Cyber Security**  
Mar. 26-28 | Novi

This year's event will expand the conversation of ensuring the safety of connected vehicles from cyber-attacks. Hear case studies to give you practical strategies to implement back on the job. [Learn more.](#)

**WCX: SAE World Congress Experience**  
Apr. 10-12 | Detroit

An SAE event experience that immerses you in the forefront of the automotive and mobility industries. Spend three days discovering new ideas on the exhibit floor, in venues and networking events. [Learn more.](#)

## Featured Funding Opportunity

### OPEN 2018

**Concept Paper Submission Deadline: Feb. 12, 2018**

**Full Application Deadline: TBD**

**Awards: Up to \$100M**

APRA-E is challenging the nation's boldest and brightest innovators with their ideas for transformational technologies!

The OPEN 2018 program will fund innovative approaches to energy challenges that move beyond existing conventions and limitations that can be meaningfully advanced with a small amount of funding over a defined period.

## Additional Funding Opportunities

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

### >>>ACTIVE<<<

#### Training-based Workforce Development for Advanced Cyberinfrastructure

**Deadline: Feb. 14, 2018**

**Awards: Up to \$3.5M**

This solicitation calls for developing innovative, scalable training and education programs to address the emerging needs and unresolved bottlenecks in scientific and engineering research workforce development, from the postsecondary level to active researchers.

#### Smart and Connected Communities

**Deadline: Feb. 28, 2018**

**Awards: \$19.25M**

The program solicitation is to accelerate the creation of the scientific and engineering foundations that will enable smart and connected communities to bring about new levels of economic opportunity and growth, safety and security, health and wellness, and overall quality of life.

#### Vodafone Americas Foundation - 10th Annual Wireless Innovation Project

**Deadline: Mar. 5, 2018**

**Awards: Up to \$600K**

The Vodafone Wireless Innovation Project™ (the "competition") seeks to identify and fund the best innovations using wireless related technology to address critical social issues around the world.

### >>>UPCOMING<<<

**RFI: U.S. DOE National Technology Laboratory Collaboration Opportunity**

**Deadline:** Feb. 1, 2018

**Awards:** Up to \$750K

The DOE intends to facilitate the commercialization of energy-related technologies with promising commercial potential that are developed at DOE facilities.

**NOI: Innovative Technology Development to Enhance Fossil Power System Operability, Reliability, and Economic Performance**

**Deadline:** Feb. 28, 2018

**Awards:** \$2.75M

The goal of this FOA is to seek innovative research and development projects to improve the performance and cost of fossil energy technologies. The potential FOA will have two areas of interest: 1) Cybersecure sensors and controls technology; 2) Computational materials modeling pertinent to advanced manufacturing.

**NOI: Energy Efficiency R&D for Fluid-Power Systems in Off-road Vehicles**

**Deadline:** TBD

**Awards:** TBD

The objective of the FOA is to research technologies and innovations that can improve the energy efficiency of fluid power systems for commercial off-road where fluid power systems actuate most of the functions.

**>>>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**

**Environmental Infrastructure Programs**

**Motor City Match**

**Sustainable Environments Program**

**Sponsorship & Competition Opportunity**



**Michigan Energy Summit**

**Apr. 18 | Grand Rapids**

The 2018 Michigan Energy Summit will celebrate the 2017 Michigan Battle of the Buildings ‘biggest losers’ and welcome the new 2018 competitors. The event will bring leading building owners & operators from across the state. Learn how Michigan companies are successfully reducing their energy costs while maintaining occupant comfort & increasing productivity. Register and/or apply to compete. Learn [more](#).

**Attention Startups!**

**Techstars Global Startup Weekend Women**

**Feb. 9-11 | [Detroit](#)**

**Feb. 9-11 | [East Lansing](#)**



In 54 hours you will experience the highs, lows, fun, and pressure that make up life at a startup. Learn how to create a real company – look for a team, create a prototype of your idea, validate your business idea, and receive feedback from experienced entrepreneurs! [Learn more.](#)



### DTX Launch Detroit Summer Accelerator

**Apply by Friday, Apr. 6!**

LAUNCH DETROIT

A 10-week summer accelerator for college students and recent graduates aspiring to launch a technology startup. Designed to recruit and groom talent for tech entrepreneurship opportunities and convert innovative technologies into Detroit-based startups. [Learn more.](#)

## Featured Programs



Save money and energy when you participate in this exclusive pilot program! The Lighting Technology Energy Solutions (LiTES) program, a three-year initiative supported by the DoE, will reduce the energy footprint in small and medium commercial buildings by accelerating the adoption of advanced lighting controls solutions through training and technology deployment. DTE Energy and Consumers Energy are offering incentives that will alleviate the capital costs of installation. [Learn more.](#)



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 Department of Energy, Department of Defense, National Science Foundation, Department of Transportation, etc. [Learn more.](#)

## Mobility in Detroit!



### Detroit Magazine

Flip through the [December 2017](#) issue of the Detroit highlighting Michigan's smart city & mobility innovation efforts. And make sure to check out Tom Walsh's story on page 16 featuring NextEnergy!



### A new online publication!

today!

Launched by the Detroit Regional Chamber and its regional economic development partners, Driven will provide the story of the Detroit region's mobility assets and leadership. [Subscribe](#)



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## NextEnergy Center Highlights



### A playground for connected technologies!

Part smart home, part distributed generation, and part direct current (DC), NextHome operates as a “living lab” within NextEnergy’s testing and validation platform. NextHome provides technology developers with access to infrastructure, assets and data collection resources for product development and testing. **Learn [more](#).**



NextEnergy provides an accessible center-of-excellence to assist entrepreneurs with technical guidance and demonstration opportunities for the challenging energy market.

**>>> *John Tesar, President***  
***[Quantalux](#)***

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