



MAY 2018

## Monthly Update



**Jim Saber, President & CEO**  
NextEnergy

### **After the big announcement...what's next for NextEnergy?**

Many of you have likely seen the news, or read my email earlier this month regarding the [announcement](#) of Wayne State University's investment in the NextEnergy Center and the formation of the Detroit Urban Solutions consortium – a partnership between NextEnergy, Wayne State University, TechTown, the City of Detroit, the New Economy Initiative and others. Now that some of the dust has settled, I thought this would be a good time to dive a little deeper in to what these changes mean for NextEnergy, the innovation ecosystem in Detroit, and what exciting new projects are on the horizon for us and our partners.

### **We are here to stay in Midtown Detroit**

Now heading in to our sixteenth year, we are excited to be able to take on new challenges. We plan to stay in this immediate Midtown Detroit neighborhood (the burgeoning Detroit Innovation District and new home to Detroit Urban Solutions) retaining full access to the testing and demonstration assets and convening space that allow us to do what we do best: work with our partners to test, demonstrate and deploy solutions that will make our cities and communities smarter, cleaner and more accessible to all citizens.

### **Putting Detroit on a National Stage**

NextEnergy continues to leverage our international reach to help Detroit and the region become models for smarter and cleaner communities and cities. Eric McDonald, our Director of Infrastructure Development, is leading a panel, "[Demand Response and Peak Demand Management of Multiple Assets](#)" at the Grid Modernization Forum this month in Chicago. The panel will give an overview of the innovative smart building solutions we are validating with [DTE Energy](#) and [Enbala](#) along with our partners [Coritech Services](#) and [Hepta Systems](#).

We have also entered into the pilot phase of the [LiTES program](#), a three-year US Department of Energy initiative to increase the adoption of advanced lighting controls. Along with our partners DTE Energy, Consumers Energy and IBEW/NECA, we are working to identify new incentives and business models that can be implemented on a national-scale to encourage smarter, more energy efficient buildings.

We also continue to work with our global corporate sponsors and partners to help them build their innovation pipelines and validate new business models for smarter and cleaner technologies right here in Detroit.

### **Detroit Urban Solutions**

NextEnergy is excited to be a part of an initiative that will help bring many of Detroit's innovation resources together to create a more powerful tool for attracting new talent and business ventures to the region. While we will lead the group's efforts in mobility and energy, there are many opportunities to partner and find synergy with the healthcare, IT, and civic technology industries and sectors that will bring new solutions to the market. Our upcoming pilot with [SmartCone Technologies](#), the [NextChallenge: Smart Cities 2017](#) winner, and Wayne State University is a great example of what is possible within this consortium. The pilot is going live next month. Stay tuned for more announcements on new programs and activities in the coming months.

### How you can leverage NextEnergy to move your innovation forward

If you are an innovator seeking partnerships to scale your idea or a corporation looking to identify new innovation and relationships to broaden your portfolio, please reach out to us to become part of our network. As always, please feel free to connect with me ([saberj@nextenergy.org](mailto:saberj@nextenergy.org) | 313.833.0100 xt 240) at any time to discuss how we can work together. I'll be in Mackinac for the [Detroit Regional Chamber's Policy Conference](#) next week, and at [ITS America's Annual Meeting](#) in Detroit this June, so feel free to get in touch to set up an in-person meeting. I look forward to hearing from you!

Jim

## LITES Summit Highlights



The LITES Advanced Lighting Controls Summit attracted more than 60 industry professionals! Our fantastic lineup of speakers offered valuable insight and information about their projects, experiences and highlighted the many features and benefits of advanced lighting controls.

Visit [nextenergy.org/lites](http://nextenergy.org/lites) for information about exclusive utility incentives offered by the LITES program, and be sure to check the Events & Resources tab for other tips and tools. Would you like your building to have light where you want it, when you want it? If so, contact [Eric McDonald](#) for details.

## BP Ventures



...is set up to grow new energy businesses! Leveraging investments across a portfolio of relevant technology businesses in an effort to help BP transition to a low carbon company. In the past ten years, over \$400 million in technology companies across more than 40 entities with more than 200 co-investors! Learn [more](#).

## Attention Startups!



### [Detroit Startup Week](#)

[Jun. 18-22 | Detroit](#)

Detroit Startup Week is a free five-day celebration, offering more than 100 events, aims to increase awareness revolved around Detroit's local startup community and the opportunities available to get involved. Pursue your business venture!

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[Plug and Play Detroit Summit](#)

## Events

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



### ITS America

**Jun. 4-7 | Detroit**

Connectivity, autonomy and the future of transportation! OEM's, suppliers, and technology firms are in a race to modernize our current transportation systems. Hear what opportunities and challenges the future holds for the next generation and beyond.



### TU-Automotive E-Mobility Detroit

**Jun. 6-7 | Novi**

In its debut year as its own event, co-located with the TU-Automotive Detroit conference & exhibition, this conference unites new age EV automakers, automakers, Tier 1's, charging infrastructure providers, battery providers, and the complete supply chain to plan for the electric future.



### Meeting of the Minds Mobility Summit

**Jun. 14 | Ann Arbor**

Focusing on emerging autonomous mobility and smart city solutions--tour the recently opened ACM (formerly Willow Run) and experience live demos from OEM's and mobility start-ups on the private track and infrastructure assets.



### Automated and Connected Vehicle Systems Testing Symposium

**Jun. 20-21 | Greenville, SC**

Technical experts will discuss ideas and methods to bridge the gap between technologies and products to address the top challenges of automated vehicle use within the public transportation system.



### PlugVolt Battery Seminar

**Jul. 17-19 | Plymouth**

Hear from subject matter experts for the latest industry updates on energy storage systems in automotive and large-scale stationary grid/utility storage applications. Don't miss training by EnerDel on Lithium Ion battery chemistry, a tour of Intertek Battery Testing Center, and more.



### Better Buildings Summit

**Aug. 21-23 | Cleveland**

Held with DOE's annual Energy Exchange, focused on federal facility energy management, this summit will provide energy professionals to engage with one another and explore and share innovative strategies, emerging technologies and financing trends.

### NEIdeas Info-session & Workshop

**May 24 & 31 | Detroit**

### Internet of Things North America

**May 31-Jun. 1 | Oakbrook**

[Community Energy Workshop-](#)

[Northwest Michigan](#)

May 30 | Traverse City

[Innovation & Impact Symposium](#)

May 31 | San Jose

[Mackinac Policy Conference](#)

May 29-Jun. 1 | Mackinac Island

[A2 Tech Trek](#)

Jun. 15 | Ann Arbor

[Grid Edge Innovation Summit](#)

Jun. 20-21 | San Francisco

[2018 SAE CyberAuto Challenge™](#)

Jul. 22-27 | Detroit

## Funding Opportunities

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

>>>ACTIVE<<<

### [Fiscal Year 2018 Advanced Vehicle Technologies Research FOA](#)

**Concept Paper Submission Deadline: May 29, 2018**

**Deadline:** Jul. 13, 2018

**Awards:** \$65M

This FOA seeks research projects to address priorities in the areas of batteries and electrification, materials, technology integration and energy-efficient mobility systems, energy-efficient commercial off-road vehicle technologies, and co-optimized advanced engine and fuel technologies to improve fuel economy.

### [Cybersecurity Innovation for Cyberinfrastructure](#)

**Deadline:** Jun. 4, 2018

**Awards:** \$12M

The objective of the Cybersecurity Innovation for Cyberinfrastructure (CICI) 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.

### [Building America Industry Partnerships for High Performance Housing Innovation – 2018](#)

**Deadline:** Jun. 11, 2018

**Awards:** \$11.5M

The DOE's Building Technologies Office will select additional building science project teams for the Building America Program to conduct early-stage research and validation of energy performance improvements in existing and new residential buildings.

### [Small Business Innovation Research Program Phase I \(SBIR\)](#)

The NSF SBIR program seeks innovative proposals that show promise of commercial and societal impact. Proposal submission accepted in almost any area of science and technology.

**Deadline:** Jun. 14, 2018

**Awards:** Up to \$33.75M

### [Small Business Technology Transfer Program Phase I \(STTR\)](#)

**Deadline:** Jun. 14, 2018

**Awards:** \$9M

The NSF STTR Program funds early or "seed" stage research and development. The program is designed to provide equity-free funding and entrepreneurial support at the earliest stages of company and technology development.

### [Smart and Autonomous Systems](#)

**Deadline:** Jul. 31, 2018

**Awards:** \$12M

This program focuses on intelligent physical systems (IPS) capable of robust, long-term autonomy requiring minimal or no human operator intervention in the face of uncertain, unanticipated, and dynamically changing situations. Ex: include, but are not limited to, robotic

platforms, self-driving vehicles, underwater exploration vehicles, and smart grids.

**[Computer and Information Science and Engineering \(CISE\) Research Initiation Initiative](#)**

**Deadline:** Aug. 8, 2018

**Awards:** \$10M

To encourage research independence immediately upon obtaining one's first academic position after receipt of the PhD, the Directorate for Computer and Information Science and Engineering (CISE) will award grants to initiate the course of one's independent research.

**>>>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](#)**

**[Energy, Power, Controls and Network \(EPCN\)](#)**

**[Environmental Infrastructure Programs](#)**

**[Michigan Emerging Technologies Fund](#)**

**[Motor City Match](#)**

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

**[Sustainable Environments Program](#)**

**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, Department of Transportation, etc.

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