



OCTOBER 2018

## Monthly Update



**Jim Saber, President & CEO**  
**NextEnergy**

This past month has been full of opportunities for the team at NextEnergy to participate in interesting discussions and thought-provoking activities regarding the future of energy and how it will be used to power our communities and move people and goods. We always welcome these chances to share our thoughts and learn from others and would like to use this monthly communication as a vehicle to do the same. Below are some of my thoughts and I welcome you to

[share yours](#) as well.

### **New ways to power our communities and cities:**

During the [National Association of State Energy Officials](#) (NASEO) conference in Detroit, I participated in a panel discussion focused on integrating electric vehicles into our homes and buildings. I was able to share insights on our programs and projects with industry to accelerate opportunities for EVs, smart homes, and buildings and was especially interested to learn more about The Southern Company's [Smart Neighborhood](#) projects with Alabama Power and Georgia Power. **Read [more](#).**

Save the Date!



**PlanetM Startup Grants: Panel Discussion and Webinar**

***December 11, 2018***

Join us from 12:00 – 2:00 p.m., Tuesday, December 11 at NextEnergy in Detroit (or via webinar) to learn more about the [PlanetM Startup Grants](#). The grants provide access to \$1.3 million in funding for global mobility startups to test, validate and prove out new technologies with the goal of making transportation easier, safer and more affordable for Michigan residents.

Panelists, including representatives from [PlanetM](#), [Mcity](#), [American Center for Mobility](#), and [Michigan Department of Transportation \(MDOT\)](#), will share insights and details about the program and application process, how the grant can help accelerate your path to commercialization.

You will also have the opportunity to hear from the first Pilot Grant recipient, [DERQ](#), who will share their experience of launching their AI and V2X traffic safety solution pilot in downtown Detroit in partnership with MDOT.

### Who should attend?

Mobility startups, technology accelerators, investors, municipalities and other stakeholders interested in testing and/or piloting new mobility solutions.

### Agenda

- 12:00 - 12:30 p.m. Registration and boxed lunch
- 12:30 - 1:30 p.m. Panel discussion moderated by NextEnergy
- 1:30 - 2:00 p.m. Audience Q&A

*The discussion is free to attend in-person or via webinar (instructions to follow)*

## Technology Accelerator & Incubator for Startups



### The Oil & Gas Technology Centre TECHX Pioneer Programme

TechX is unique as an accelerator due to its focus programmes covering Pioneers, Market Entry and TechX Ventures.

Our [Pioneers Programme](#) provides access to unparalleled funding – with up to £100,000 available to start-ups with new technology ideas, expert mentors and global partners to develop and validate new technologies. What's more, TechX requires no equity or payback, and the developer retains all intellectual property. We support Pioneers to ensure they are both technology and investment ready.

## Events

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



### [Accelerate Michigan Innovation Competition](#)

**Nov. 13 | Detroit**

Selected from nearly 300 applicants, the semi-finalists have been chosen. [Reserve your ticket](#) to watch as the competition heats up between six of the most promising new companies in Michigan!



### [Meeting of the Minds](#)

**Nov. 27-29 | Sacramento**

The event focuses on emerging and tested urban sustainability solutions which are scalable, replicable, and transferable for cities and regions. Discussions are rooted in a deep understanding of technology and equity as key drivers for smart cities.



### [IoT Tech Expo North America](#)

**Nov. 28-29 | Silicon Valley**

Hear top level content and discussion on key



### [Scaling for Success: Leaning Your Product Design!](#)

**Dec. 13 | Auburn Hills**

topics; smart building & facilities management, building the connected supply chain, intelligent city and transport management, smart grid data management and analytics, delivering smart connected new products, and more.

Based on the US Department of Energy's Build4Scale training program, this workshop is designed to help advanced manufacturing and hardware product developers with scaling their business, utilizing design for manufacturability disciplines.



### 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.



### Automobli-D

**Jan. 14-17 | Detroit**

Participating companies and tech startups will showcase their new innovations--ranging from suppliers driving mobility technology, V2I connectivity, urban mobility, smart cities, building a mobility workforce, ride sharing, cybersecurity and autonomous technologies.



### 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.



### The Smart City Event

**Jan. 29-Feb. 1 | Ft. Lauderdale**

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.

### Michigan Energy Innovation Gala

**Nov. 14 | East Lansing**

### Automation Alley Integra8

**Nov. 14 | Detroit**

### The Fall Economic Development Toolbox

**Nov. 29 | Lansing**

### Kyyba Innovations - Pitch Club

**Nov. 29 | Lansing**

### Smart Cities International Symposium & Exhibition

**Jan. 22-24 | Chicago**

### Smart Energy Summit

**Feb. 18-20 | Austin**

### Midwest Energy Solutions

**Feb. 20-22 | Chicago**

## Funding Opportunities

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

>>>ACTIVE<<<

### Cyclotron Road

**Apply: Oct. 1-Oct. 31, 2018**

Supporting innovators working to transform the most energy and resource intensive industries on the planet. Thanks to our sponsors, our current program supports entrepreneurial scientists and engineers who are developing technologies targeting three broad impact areas: advanced

manufacturing, clean power, and electronics. All innovators are part of the same Cohort experience, regardless of impact area.

#### [Office of Advanced Cyberinfrastructure \(OAC\): Research Core Program](#)

**Deadline:** Nov. 15, 2018

**Awards:** \$7.5M

The NSF supports research and education activities in all aspects of advanced cyberinfrastructure (CI) that lead to deployable, scalable, and sustainable systems capable of transforming science and engineering research. Advanced CI includes the spectrum of resources, tools, and services related to computations, data, software, networking, and security.

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

**Deadline:** Dec. 4, 2018

**Awards:** Up to \$225K

The NSF SBIR program seeks innovative proposals that show promise of commercial and societal impact. SBIR Phase I proposals are expected to outline R&D projects with the aim of establishing technical feasibility or proof of concept of unproven, risky technologies.

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

**Deadline:** Dec. 4, 2018

**Awards:** Up to \$225K

The NSF STTR program focuses on transforming scientific discovery into products and services with commercial potential and/or societal benefit. The NSF STTR program supports startups and small businesses in the creation of innovative, disruptive technologies, getting discoveries out of the lab and into the market.

#### [Advanced Systems Integration for Solar Technologies \(ASSIST\)](#)

**Deadline:** Dec. 7, 2018

**Awards:** \$46M

The DOE seeks applications that will strengthen the integration of solar on the electricity grid, especially at critical infrastructure sites, improve the resilience of the nation's electricity grid, and streamline technology transfer challenges. The nation's critical infrastructure is defined as the essential services that are vital to the economy, security, and health of the nation.

#### [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.

>>>UPCOMING<<<

#### [Diesel Emissions Reduction Act Clean Diesel Funding Opportunity](#)

**Deadline:** Nov. 26, 2018

**Awards:** \$425,000

The Michigan Department of Environmental Quality seeks proposals for competitive grant funding for the 2019 Michigan Clean Diesel Program. This RFP targets projects involving the early replacement of old diesel equipment and vehicles with new diesel, alternative fuel, as well as electric and hybrid equipment vehicles.

>>>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 Pre-Seed Fund](#)

[Michigan Emerging Technologies Fund](#)

[Motor City Match](#)

**NEW -** [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. Help us achieve it and lead this effort to save energy.

## 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, Department of Transportation, etc.

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