



MARCH 2018

Monthly Update



Greetings! As I mentioned in my email earlier this month, I want to keep you updated on the latest projects and activities happening here at NextEnergy. This is the first of what will become a monthly update from me. I hope you will find them interesting and insightful and I invite you all to reach out to me to ask questions, share your thoughts or just to connect!

On to this month's update: Some of you may have heard that NextEnergy was awarded [two grants](#) this year from Wells Fargo's [Innovation Incubator \(IN2\) Initiative](#). One of those grants is funding a collaborative, sister-city partnership we have formed with fellow grantee and accelerator [Prospect Silicon Valley](#). The aim of this project is to identify Connected, Automated, Shared, and Electric (CASE) mobility projects that can be deployed in both Detroit and San Jose with the ultimate goal meeting needs of low- to moderate-income populations. We are very excited to be working with Prospect Silicon Valley and learning more as we begin to reach out to stakeholders to begin our work.

Gina Schrader, Director of Business Model Innovation, is leading this project and will share updates as the project moves along. Make sure to follow our progress via our newsletter and on social media. In the meantime, I'm just a phone call or an email away.

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NextEnergy Blog



**Advanced lighting controls:
What you need to know, and why you should care**
Eric McDonald CEM; LEED AP O+M
Director, Facilities & Infrastructure Development
NextEnergy

At the risk of dating oneself, do you recall around the turn of the century first experiencing the application of occupancy sensors for lighting in commercial buildings? One entered a room and the lights seemed to magically illuminate. Or sitting fairly motionless in a room for over fifteen to thirty minutes, and the lights turned off. Occupancy sensors have been around for decades...[read more](#).

Register now for the LiTES Summit!



Learn how you can save money and energy with advanced lighting controls!

Tuesday, May 15, 2018 | 8:00 a.m. - 3:45 p.m.*

NextEnergy | Detroit

This event provides attendees with a comprehensive overview of the features and benefits of advanced lighting controls systems through presentations, case studies, a DesignLights Consortium-led (DLC) advanced lighting controls technology training session, and an overview from Consumers Energy and DTE Energy on how to take advantage of exclusive incentives to offset the costs of advanced lighting controls systems offered under the LiTES program. Whether you are looking to upgrade your existing system, or start a new project, you'll walk away with the information and resources you need to get started.

*Includes an optional tour of IBEW Local 58's Zero Net Energy Center in Detroit's Corktown neighborhood! **Learn more and register at nextenergy.org/litessummit**

LiTES Summit - Call for Presentations!

Deadline for submissions is March 30!

NextEnergy is currently seeking submissions for presentations! Here is your chance to present a case study focused on the features and benefits of the latest advanced lighting controls technology. **Learn more [here](#).**

Save the Date!

Apr. 19

The Tech of Things

2018 Detroit China Cross Border Investment Summit

Attend the one-day informational event on investment and collaborative opportunities in the cities of Shanghai Jiading and TongXiang. Hear from US and Chinese automotive industry experts as they speak about bridging innovation between China and the US, the future of innovation in China and more. For ticket admission information, email [Milan Stevanovich](mailto:Milan.Stevanovich), or contact at (248)719-9100.



May 29-Jun. 1

Mackinac Policy Conference

The 2018 conference pillars are: **Is Michigan Prepared**, (*ensure Michigan's competitiveness*); **The Mobility Disruption** (*strengthen Michigan's readiness for that next-generation mobility industry and society*); and **Trust** (*restore confidence in the critical institutions of government, media and business to build trust in society*).



Jun. 4-7

ITS America Detroit 2018

"Transportation 2.0" is this year's theme. OEM's, suppliers, and technology firms are working to modernize our current transportation systems. Hear the opportunities and challenges, what is the next generation of autonomy and what is beyond autonomy.



Jun. 18-22

[Detroit Startup Week](#)



Techstars Startup Week Detroit is a free five day celebration of entrepreneurship in the Detroit community. Learning tracks include technology, mobility, IoT, growth-stage entrepreneurship, civic innovation, and a female founders track, to name a few. More information coming soon!

Jul. 17-19

[PlugVolt Battery Seminar](#)



An entire day will be devoted to in-depth training by [EnerDel](#) on Lithium Ion battery testing and validation methodologies, safety processes, and more. Win cool prizes in a raffle giveaway, enjoy an evening reception and an exclusive guided tour of [Intertek](#). **Discounted early-bird registration is open!**

Sep. 26-28

[Automotive Lidar](#)

This unique conference is the only event in the world exclusively focused on automotive LIDAR technologies and applications. The conference's sessions will describe the various approaches to make a LIDAR system, as well as explain via physics and math the reasons to choose one approach over another.

Events

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



SMART CITIES
CONNECT
CONFERENCE & EXPO

[Smart Cities Connect](#)

Mar. 26-29 | Kansas City

See the future of smart cities unfold! A conference focused on working towards innovative solutions for progressive city needs.

On Mar. 27, representatives from NextEnergy, City of Detroit-Office of Mobility Innovation, and Center for Automotive Research will present "A Michigan Take on Smart Mobility - How the Home of the Auto Industry is Preparing for Tomorrow's Mobility".



[IoT TechConnect](#)

Apr. 4 | Troy

Sponsored by Planet M, this program has been developed as an unbiased gathering where companies, institutions, associations, and professionals can network, show off their products and services, and become educated on Internet of Things, M2M, and Autonomous Vehicles.



[WCX World Congress](#)

Apr. 10-12 | Detroit

Join fellow forward-thinking engineers, technicians, directors, and executives for an interactive exploration of engineering, research, design and technology. This is where visionary ideas are brought to light and the future of automotive innovation comes into focus.



[EarthX E-Capital Summit](#)



[Low Voltage Vehicle Electrification](#)

Apr. 30-May 2 | Detroit

Apr. 19-22 | Dallas

EarthX presents E-Capital, the conference and exposition for mission-driven investment in early to growth-stage clean technology. Apply for [EarthX's E-Capital Innovation Expo](#)—create a team and apply by March 30th! Mention NextEnergy during [registration](#) and receive a 25% discount.

Hear from expert speaker faculty and solutions providers as they define cost-effective actions for integrating 48V electrical systems into vehicle/powertrain architecture, as well as the future of vehicle electrification.



[NREL Industry Growth Forum](#)

May 3-4 | Denver

A program of NREL's Innovation and Entrepreneurship Center (IEC), fosters a connection with the early-stage business community to stimulate an innovative and entrepreneurial cleantech environment, facilitate access to capital for investors, and accelerate the commercialization of clean energy technologies.



Smart Cities Week®

SILICON VALLEY

[Smart Cities Week Silicon Valley](#)

May 7-9 | Santa Clara

How innovation is shaping the sustainable, inclusive cities we all want to live in is this year's focus. Hear about exciting advances in artificial intelligence, autonomous vehicles and cybersecurity as they apply to urban environments.

[Michigan EIBC 2nd EV Convening](#)

Mar. 22 | Lansing

[WSU - 2018 Annual Big Data & Business Analytics Symposium](#)

Mar. 22-23 | Detroit

[Automotive Cyber Security](#)

Mar. 26-28 | Detroit

[InvestMidwest Venture Capital Forum](#)

Mar. 28-29 | St. Louis

[The Detroit Fintech Challenge](#)

Apr. 6-7 | Detroit

[Global Automotive & Mobility Innovation Challenge-Finals](#)

Apr. 12 | Detroit

[Michigan Energy Summit](#)

Apr. 18 | Grand Rapids

[Women in Automotive](#)

Apr. 24 | Detroit

[Tardec Industry Days](#)

Apr. 25-26 | Warren

[Michigan Celebrates Small Business](#)

May 3 | Lansing

[TechConnect World Innovation Conference & Expo co-located with SBIR/STTR Spring Innovation Conference](#)

May 13-16 | Anaheim

Advanced Lighting for Automotive

May 21-23 | Detroit

ITEC 2018

Jun. 13-15 | Long Beach

Attention Startups!



Techstars Mobility Accelerator

Run in downtown Detroit, Techstars Mobility is looking for startups building technologies and innovative business models that impact how people and goods move across all modes of transportation (including pedestrian). **Application deadline is Apr. 8th!**



Cleantech Open

As part of the Cleantech Open, Cleantech Open Midwest is currently accepting applications from midwest-based cleantech start-ups. The accelerator program mission is to find, fund, and foster entrepreneurs with ideas to solve environmental and energy challenges. **Application deadline is May 1st!**

Featured Funding Opportunity

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.

Additional Funding Opportunities

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

>>>ACTIVE<<<

FY 2018 Phase II Release 2

Deadline: May 1, 2018

Awards: \$1M

The DOE invites eligible Phase I and Phase II grantees to apply for Phase II grants (both initial and sequential) under this FOA. The purpose of an initial Phase II grant is to perform the research and development required to meet the DOE objectives stated in the topic and subtopic of the Phase I FOA.

US-EU Internet Core and Edge Technologies

Deadline: May 7, 2018

Awards: \$2.5M

The NSF supports research and education activities that seek to develop a better understanding of the fundamental properties of computer and network systems. This program supports transformative research on scientific and technological advances leading to the development of next-generation Internet and advanced wireless networking systems.

[Computer Science for All](#)

Deadline: May 9, 2018

Awards: \$20M

The NSF has an FOA that focuses on researcher-practitioner partnerships that foster the research and development needed to bring computer science and computational thinking to all schools at the pre-K–12 levels.

[Flexible Combined Heat and Power Systems for Grid Support](#)

Deadline: May 10, 2018

Awards: \$10M

The DOE seeks to conduct research and development activities to further the utilization of cost-effective, highly efficient combined heat and power (CHP). The FOA includes two areas of interest to research enabling technologies for CHP systems that are specifically designed to provide cost-effective support to the electric grid.

>>>UPCOMING<<<

[RFP: Agricultural and Rural Communities Energy Roadmap](#)

Deadline: Apr. 9, 2018

Awards: \$150K

The MAE, through the MEO, offers a grant to analyze the effectiveness of current energy policies and programs for Michigan's agricultural and rural communities. The solicitation is to create an agricultural and rural community energy roadmap to inform policymakers of recommended policies and programs that encourage energy waste reduction and renewable energy.

>>>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](#)

[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.



A playground for connected technologies!

[NextHome](#) is part smart home, part distributed generation, and part direct current (DC) and operates as a “living lab” within NextEnergy’s testing and validation platforms allowing our industry partners to leverage multiple IoT frameworks and a residential microgrid to accelerate the development and commercialization of next generation energy technologies.

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