



Cities & Communities: Let us help solve your energy and mobility challenges

At NextEnergy, we believe that successful collaboration between public and private partners is an essential component of our mission to accelerate solutions for smarter, cleaner, more accessible communities and cities. Since 2002 we have worked with hundreds of technology developers, including startups and corporate R&D, to commercialize those solutions, and now we want to help bring them to you.

Tell us about your challenges!

What are your city's greatest challenges in the areas of smart mobility and smart grid? Whether you're looking for smart parking, electrified fleets or charging solutions; advanced lighting, or more efficient and resilient ways to deliver energy to your residents, workers and visitors, we want to hear about it.

Let us match you with a solution.

Simply complete this [quick questionnaire](#) (I promise, it will only take a few minutes), we will review your challenge, and attempt to match you with one of our technology developers. If that match yields a viable solution, we'll work with you to develop a customized program management case with recommendations for funding.

So what are you waiting for?

Complete the questionnaire today and we'll use our experience, knowledge and connections to find the right solutions for you.

[Submit your challenge!](#)

Questions?

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NextEnergy Blog

**What autonomous vehicle developers can learn
from the Boeing 737 MAX failure**
[Tim Slusser, Director, Smart Mobility Initiatives](#)



NextEnergy

The tragedies of Lion Air flight 610 and Ethiopian Airlines flight 302 caused both mourning and concern on a global scale with passengers and airlines alike seeking answers. The potential cause of these crashes has been extensively reported in the media as a failure of the Maneuvering Characteristics Augmentation System (MCAS). Since automation plays such a large role in the world of smart mobility technology, I'd like to share my thoughts on how this system and its failure are related specifically to the development of autonomous vehicles (AVs). [Read more.](#)

Ford Mobility City:One Challenge

Propose your mobility solutions for Indianapolis!



Ford Motor Company and the City of Indianapolis have teamed up with Dell, Microsoft, AT&T, and local partners to launch the City:One Indianapolis Challenge. The Challenge is offering up to \$100,000 in pilot grants for new mobility solutions that increase reliable access, expand affordable mobility choices, support residents with disabilities, or create comfortable journeys for families.

- Solutions may take many forms, from innovations in technology and services, to innovative street and infrastructure design.
- Up to 12 proposals will be selected as Finalists
- Finalists will receive a \$2,500 stipend to develop their final proposal
- Finalists will have applications reviewed by other groups at Ford
- Winners will have the opportunity to pitch to other groups at Ford for potential additional investment

The deadline to submit a proposal is August 6, 2019 at 4 pm EST.

Find more information and submit your proposal [here](#).

Seeking Emerging Leaders at the Leading Edge of the Clean Energy Economy!



NextEnergy is a partner of the 5th annual [Midwest Energy News '40 Under 40' awards program](#). The program seeks to highlight emerging leaders throughout the region who work to accelerate America's transition to a clean energy economy. Open to all who are under 40 at the time of nomination showcasing leaders from all sectors—including industry, government, regulatory, business, academia, non-profit and advocacy. ***Nominate by 5:00pm CT, August 2!***

Upcoming Events

View our full list [here](#)

[Keeping PACE Webinar](#) July 30 | WEBINAR

For this unique webinar, Lean & Green Michigan is teaming up with Plunkett Cooney for a session designed to benefit business owners, real estate developers, property owners and commercial tenants with high energy/water utility bills.



[AWE Tour of IBEW Zero Net Energy Center](#) August 6 | Detroit

Join AWE for a tour of IBEW Local 58, Michigan's first Zero

Net Energy (ZNE) Center located in Detroit's historic Corktown neighborhood. The tour will include a short presentation on how the project came to be, lessons learned, and how the system operates day-to-day, followed by a networking session with AWE members and other attendees.



[Ignite Mobility Pitch Club](#)

August 14 | Pontiac

Ignite Mobility Pitch Club is a showcase recognizing the top startups working on emerging and innovative mobility technologies in autonomous, multi-transit, and electric vehicle landscape.



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

August 29 | Auburn Hills

If you've developed a unique physical product or process and are in the process of developing prototypes, or are currently in low volume production and are interested to improve your products design for manufacturability and assembly, join us for "Scaling For Success" and learn key processes to help you take your product and production process to the next level.



[The Battery Show](#)

Sep. 10-12 | Novi

Join a community of engineers, innovators, and thought leaders for a conference and expo dedicated to the advanced battery and automotive industries. Register now for [early bird rates!](#)



[Detroit Fintech Challenge](#)
2019
Aug. 3 | Detroit

[Smart Cities Week](#)
Sep. 30-Oct. 2 | Washington, DC

[CAR Management Briefing Seminar](#)
Aug. 6-8, 2019 | Traverse City

[6th Annual Demand Response & Distributed Energy Resources World Forum](#)
Oct. 16-17 | Sacramento

[DOE Energy Exchange](#)
Aug. 20-22, 2019 | Denver

[SAE – Innovations in Mobility](#)
Oct. 29-31 | Novi, MI

Funding Opportunities

View our full list [here](#)

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[Critical Aspects of Sustainability](#)

Deadline: Proposals accepted anytime

Awards: Various awards per program

This National Science Foundation program seeks to support basic research through core disciplinary programs aimed at improving the sustainability of resources for future generations while maintaining or improving current products in order to offer technologically advanced, economically competitive, environmentally benign, and useful materials to a global society. To address these challenges, the program aims to identify opportunities for innovation in a wide range of contributing disciplines as well as integrative activities.

Integrated Mobility Innovation Demonstration Program

Deadline: Aug. 6, 2019

Awards: \$15M

The Integrated Mobility Innovation Demonstration program's primary purpose is to fund projects that demonstrate innovative, effective approaches, practices, partnerships, and technologies that enhance public transportation, increase efficiency, expand quality, promote safety, and improve the traveler's experience.

Economic Research and Analysis of the National Need for Technology Infrastructure to Support the Internet of Things Amendment 1

Deadline: Aug. 13, 2019

Awards: \$400,000

The National Institute of Standards and Technology's Technology Partnerships Office seeks applications for activities to assess the potential economic impacts—resulting from federal research investments—of meeting the nation's need for technology infrastructure to support the Internet of Things (IoT). By identifying technological and economic trends in IoT research and assessing critical gaps in the nation's IoT technology infrastructure, the recipient will produce an economic study to help guide industry, academia, and federal researchers in their efforts to accelerate the critical research needed for timely IoT development.

Clean Energy Manufacturing Innovation Institute: Cybersecurity in Energy-Efficient Manufacturing

Deadline: Aug. 20, 2019

Awards: \$70M

The EERE seeks to establish a clean energy manufacturing innovation institute dedicated to advancing cybersecurity in energy-efficient manufacturing. The institute will pursue targeted research and development that will focus on understanding the evolving cybersecurity threats to greater energy efficiency in manufacturing industries, developing new cybersecurity technologies and methods, and sharing information and knowledge with the broader community.

FY19 Advanced Manufacturing Office Multi-topic FOA

Deadline: Aug. 29, 2019

Awards: \$89M

MATch Energy Grant Eligible

This FOA supports federal investment in innovative, early-stage advanced manufacturing applied research and development projects that focus on specific high-impact manufacturing technology, materials, and process challenges. The topics are aimed at foundational energy-related advanced manufacturing technologies that impact areas relevant to manufacturing processes and broadly applicable platform technologies.

Topic areas include:

1. Innovations for the manufacture of advanced materials
2. Lower thermal budget processes for industrial efficiency and productivity
3. Connected, flexible and efficient manufacturing facilities and energy systems

Small Manufacturers Energy Waste Reduction Incentive Pilot (SMEWRIP)

Deadline: Aug. 30, 2019

Awards: Up to \$15K

The MEO is offering rebates to eligible manufacturing facilities in Michigan to implement energy waste reduction activities. Proposed activities must be directed at achieving onsite energy savings at a company's manufacturing facility, provide a minimum one-to-one match, and involve no equipment costing \$5K or more.

Smart and Connected Communities

Deadline: Sep. 6, 2019

Awards: \$43M

The goal of the NSF Smart and Connected Communities (S&CC) 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.

Electric Grid of Things

Deadline: Sept. 9, 2019

Awards: \$6.7M

The National Energy Technology Laboratory seeks to conceive and develop scenarios, approaches, methodologies, tools, techniques, and systems that maximize the bidirectional exchange of grid services while optimizing connectivity and information exchange at the grid edge to the Internet of Things interface. This is in an effort to enhance system resilience and reliability. These advancements must be applicable to maintaining energy surety to defense installations, where coordination among defense facilities, the utility, and surrounding distributed energy resources can extend facility function through abnormal events.

[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.

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[Business Accelerator Fund](#)

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

[Energy Foundation Grants](#)

[Invest Michigan](#)

[Michigan Emerging Technologies Fund](#)

[Motor City Match](#)

MATch Energy Grant



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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