

Vehicle Technologies Office Newsletter

Director's Corner

It's National Drive Electric week and we want to take the opportunity to celebrate the electrification research coming out of the Vehicle Technologies Office. Much of our past work has advanced battery technology and infrastructure availability—including bringing battery costs down 75% and funding projects that helped boost current infrastructure to over 44,000 public charging outlets. At VTO we are looking to use our research and tools to continue to inform the next steps to advance vehicle electrification.

Keep an eye out all week as we highlight recent electrification reports and resources, including a National Plug-In Electric Vehicle Infrastructure Roadmap, electric vehicle factsheet, and much more as we continue to celebrate National Drive Electric Week.

-Michael Berube, VTO Director

Meet the Team:

David Howell



As part of National Drive Electric Week the Vehicle Technologies Office communications team sat down with David Howell, VTO deputy director and acting program manager for VTO's electrification R&D, to discuss how he got in to battery technologies, what excites him most about his line of work, and how he spends his time outside of the office. [Read the full interview.](#)

Office Highlights

VTO Interested in Advancing Batteries and Electrification to Enable Extreme Fast Charging

Vehicle Technologies Office has announce a Notice of Intent for batteries and electrification projects to enable extreme fast charging. Advanced battery projects will focus on early stage research of battery cells that can enable extreme fast charging, while electrification projects will support the development and demonstration of electric drive systems and infrastructure for plug-in vehicle fast charging. [Read the complete NOI.](#)

PACCAR Inc. Joins SuperTruck II Initiative

PACCAR Inc. joins four other SuperTruck II teams to develop innovative technologies that more than double the freight efficiency of Class 8 trucks, commonly known as 18-wheelers. [Read more about VTO's selections.](#)

Community-based Advanced Transportation Projects Awarded

VTO announced \$13.4 million in support of five new cost-shared, community-based projects focused on energy efficient mobility systems including connected and autonomous vehicles and alternative fuel vehicles and infrastructure. [Read more about VTO's selections.](#)

VTO Invests in Advanced Vehicle Technologies

VTO announced \$19.4 million for 22 new cost-shared projects to accelerate the research of advanced battery, lightweight materials, engine technologies, and energy efficient mobility systems. [Read more about VTO's selections.](#)

Clean Cities Selects 2017 Hall-of-Fame Inductees

Clean Cities Coordinators Barry Carr, Kelly Gilbert, and Steve Russell are the latest inductees into the U.S. Department of Energy's Clean Cities Hall of Fame, which recognizes outstanding contributions to their coalition and the Clean Cities program's mission. [Read more on this year's inductees.](#)



2017 HALL OF FAME INDUCTEES: BARRY CARR, KELLY GILBERT, AND STEVE RUSSELL

Natural Gas Vehicle Research Workshop Held

A public workshop on natural gas vehicles was held at the National Renewable Energy Laboratory on July 25, 2017 to identify early-stage research needs for natural gas engines. [Read the summary of the key observations.](#)

Social Media and Blogs

Transforming the Transportation System

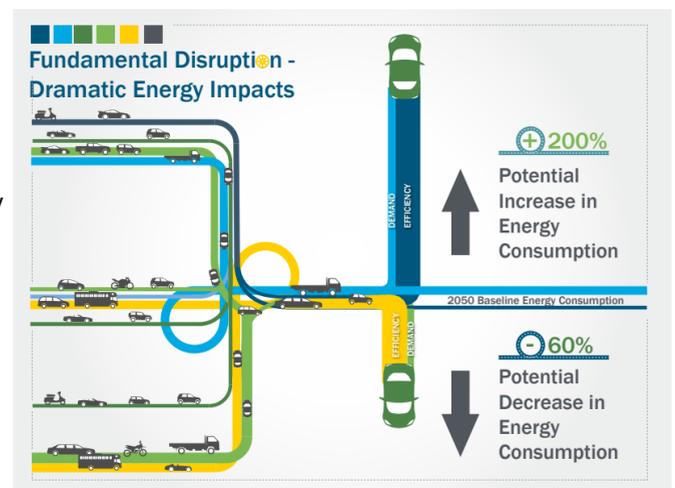
The transportation system is in the midst of a dramatic worldwide transformation that has the potential to change our daily lives. Many factors are contributing to this transformation. [Check out VTO director, Michael Berube's recent blog](#) on the transforming transportation system, and energy efficient mobility systems.

Monday Q & A: Electric Vehicles

The Office of Energy Efficiency and Renewable Energy kicked-off their "Monday Q & A" series in July with a spotlight on electric vehicles. VTO fielded question on electric vehicles, batteries, charging, and more. Visit EERE's Facebook page to [read the questions and answers on electric vehicles and the grid.](#)

Electric Vehicle Travel Tips

Taking your first road trip in a plug-in electric car? Don't sweat it. Traveling can be a breeze with a little planning. Check out DOE's Office of Energy Efficiency and Renewable Energy's [recent blog for four quick tips](#) to keep in mind when you hit the road in an electric vehicle (EV). To learn more about electric vehicles and find out if an electric vehicle is right for you, go to afdc.energy.gov/vehicles/electric.html.



THE IMPACT OF NEW MOBILITY SYSTEMS COULD RANGE FROM A 60% DECREASE IN OVERALL TRANSPORTATION ENERGY TO A 200% INCREASE.

Reports and Publications

Find more on [VTO's Report & Publications page.](#)

Battery R & D Quarterly Progress Report

VTO's Advanced Battery Materials Research (BMR) Program issues a quarterly report detailing progress made over the previous quarter. The [Q2 BMR report is now available](#) through Lawrence Berkeley National Laboratory.

U.S. DRIVE Technical Team Reports

U.S. DRIVE partnership has issued 2017 roadmaps for three of the 12 U.S. DRIVE technical teams. The 2017 Hydrogen Delivery, Fuel Pathway Integration, and Hydrogen storage are available on the [VTO U.S. DRIVE partnership page.](#) Updated roadmaps for the 9 additional technical teams will be available in the coming months.

2016 Annual Progress Reports

FY 2016 Annual Progress Reports for VTO's Advanced Combustion Engines, Propulsion Materials, Energy Storage, and Electric Drive Technology technical areas are now available. These reports highlight progress achieved in research and development in FY 2016. The [full reports are available on the VTO website.](#)

