

FOR IMMEDIATE RELEASE

## **The Institute for Transportation Decarbonization Issues Call for Research Proposals on Grid Readiness for Electric Vehicle Deployment**

*Applications now open for second transportation research grant from the organization*

WASHINGTON (May 12, 2023)—A new grant program to fund research on preparing the power grid for increased deployment of electric vehicles (EVs) has been launched by the Institute for Transportation Decarbonization (ITD).

ITD is a nonprofit research organization with a mission to help decarbonize the nation’s transportation sector, a key contributor to air pollution and global climate change, and meet net-zero U.S. climate goals by 2050. This week, the organization opened a call for research proposals to support engagement on grid readiness for EV deployment intended to assist decision-makers in federal agencies, Congress, and the Administration with policy development.

“Grid readiness is essential to our country’s successful transition to a clean energy future – yet more analysis is desperately needed to understand the full impact of widespread adoption of electric vehicles on the grid,” said **Dr. Kelly Fleming**, ITD senior research fellow and author of the report [\*Pathway to Net-Zero Transportation in the United States: An Exploration of Technologies and Policies\*](#), which mapped a path for 100 percent carbon emissions reduction from transportation technologies that promote a deep reduction in U.S. fossil fuel usage.

In order to meet the Biden Administration’s [science-based goal](#) of removing 100 percent of emissions from the transportation sector by 2050, major upgrades to the electric grid will be needed to accommodate the hundreds of millions of EVs that will be deployed in the U.S. in the coming decades. ITD selected grid modernization as a core research area because the Department of Energy prioritizes it in their [U.S. National Blueprint for Transportation Decarbonization](#).

“In addition to addressing the climate crisis and bringing down energy costs, the energy transition is also an opportunity to build a more reliable power grid that Americans can trust during extreme weather events. We’re excited about the potential impact of new research in this area,” said Dr. Fleming.

Researchers from universities, national laboratories, or non-profit organizations may apply for financial support for policy analysis, stakeholder engagement, or related efforts to advance evidence-based policy on preparing the power grid for increased deployment of EVs. ITD is especially interested in research into areas of the country where power is not readily available

(particularly in areas where power is not readily available for large demand), novel, rapidly-deployable charging solutions that incorporate energy management standards, and modeling of a variety of EV deployment scenarios.

More information can be found in the online [ITD Call For Proposals: Grid Readiness for Electric Vehicle Deployment](#).

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Founded in 2022, the Institute for Transportation Decarbonization (ITD) is a non-partisan nonprofit organization 501(c)(3) supported by [Community Initiatives](#) working to accelerate a 100% greenhouse gas emissions reduction in the United States transportation sector by 2050. ITD focuses on research and analysis of viable decarbonization pathways for light-, medium-, and heavy-duty vehicles, as well as the freight, aviation, and maritime networks, to prioritize reducing pollution and carbon emissions reductions through the acceleration of clean energy technologies and policies.

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