



Virtual Acceleration Workshops

on

E-Mobility & Green Industrial Parks

(Organized as part of Korea 7th Green Roundtable events)

<h2><i>BUSINESS MODEL DESCRIPTION</i></h2>

Pre-events Online Forum: 15-26 June 2020

Main events: 29-30 June 2020

Post-events Online Forum: 1-7 July 2020



Business Model Name: E-Mobility Challenge for Equitable Business Models

Link (if available):

Lead (Organization/Company): National Renewable Energy Laboratory (NREL)

Main contact point: Bethany Speer, Senior Researcher

Status: **Start-up**

Description of the Solution:

NREL seeks to work together with the LEADS GP Clean Transport Communities of Practice; existing clean energy technology incubators, including those managed by NREL together with Shell and other partners; GGGI; and additional partners to launch a prize challenge coupled with technical assistance to advance and support e-mobility solutions for an inclusive, equitable, and sustainable future. Winning models would be those that demonstrate viable business cases for providing an integrated, low-emission, high-penetration renewable energy-driven approach to providing improved mobility including for low income, marginalized, and disadvantaged populations.

NREL and its partners will identify a qualifying group of projects that would receive incubation and technical support to improve their business cases. The winning cases would receive seed grant funding from supporting organizations to enable demonstration in developing country contexts. Case studies and experiences would be disseminated through the LEADS GP, GGGI, and other learning networks to enable adaptation, replication, and scaling.

The NREL together with a team of partners will bring its wealth of experience and subject matter expertise to support local engagement, data collection, strategic smart city e-mobility business partnerships, and analysis of prize-funded experimentations and models to inform the roadmaps and replicable, scalable electrification strategy implementation. This will build on and leverage other cross-sector, cross-scale networks, such as the Clean Energy Ministerial's EV30@30, SLOCAT, UN Habitat's UEMI, the International EV Policy Council, State Dept US-ASEAN Smart Cities Partnership, UNEP E-Mobility Program, IEA, and others.

Goals:

The Equitable E-mobility challenge would support progress toward SDG7 (affordable and clean energy), SDG3 (good health and well-being), SDG11 (sustainable cities and communities), and SDG17 (partnerships for the goals) by working with a diversity of partners to enable local access to clean private and public e-mobility technologies that promote well-being and that are well integrated with broader transport systems.



Over the next three years, the Equitable E-mobility Challenge would seek to cultivate 10 viable opportunities, identify 5 winners, implement 5 demonstration efforts in developing countries, and share cases and learnings globally and regionally.

Geographical areas of Impact:

South and Southeast Asia, Latin America and the Caribbean, Small island developing states in the Pacific and Caribbean

Partners:

- Low Emissions Development Strategies Electric/Clean Mobility Communities of Practice in LAC and Asia
- Shell Game Changer Incubator at NREL (interest to be confirmed)
- Private Finance Advisors Network (interest to be confirmed)
- C40 (interest to be confirmed)
- Additional partners would include national and city level government, utilities, business and industry, civil society, academia, financial entities, R&D/incubator/entrepreneurship programs, and other technical institutes.

NREL can also explore interest from USAID and the State Department, World Bank, as well as other development agencies and institutions in partnering on this initiative.