

Fact Sheet: Electric Vehicles Initiative

Overview

The Electric Vehicles Initiative (EVI) is a multi-government policy forum dedicated to accelerating the introduction and adoption of electric vehicles (EVs) worldwide. Electrifying the global vehicle fleet is a key component of the Clean Energy Ministerial (CEM) goals of improving energy efficiency and enhancing clean energy supply. EVI seeks to facilitate the global deployment of 20 million EVs, including plug-in hybrid electric vehicles and fuel cell vehicles, by 2020. EVI will enable progress toward this goal by:

- Encouraging the development of national deployment goals, as well as best practices and policies to achieve those goals;
- Leading a network of cities to share experiences from early EV deployment in urban areas and regions;
- Sharing information on public investment in research, development, and demonstration (RD&D) programs to ensure that the most crucial global gaps in vehicle technology development are being addressed; and
- Engaging private-sector stakeholders to discuss the respective roles of industry and government in the EV market, better align expectations, and focus on the benefits of continued investment in technology innovation and EV procurement for fleets.

Key Activities

- Building on the success of the first [EV City Casebook](#) released in 2012, in October 2014, EVI and the International Energy Agency Hybrid and Electric Vehicle Implementing Agreement (IA-HEV) launched the [2014 EV City Casebook: 50 Big Ideas](#) at Canada's EV Association Conference in Vancouver, Canada. The report represents submissions from hundreds of EV projects, across six continents and 50 cities.
- EVI approved a research proposal to study grid impacts of EV charging in India under various deployment and charging scenarios. The study was performed by the Lawrence Berkeley National Laboratory under the direction of the Indian Department of Heavy Industry with U.S. Department of Energy funding and support.
- Building upon the success of the 2013 *Global EV Outlook*, a data update was created as an easy-to-download PDF graphic with headline items. The 2015 *Global EV Outlook* data update was launched on 12 March 2015 at the Cars of Tomorrow conference in Melbourne, Australia, with data and review support from IA-HEV and The European Association for Battery, Hybrid and Fuel Cell Electric Vehicles (AVERE).
- EVI convened two Advisory Group meetings, the first in Vancouver, Canada, on 28 October 2014 and the second in Goyang, Korea, on 4 May 2015. Both included public workshops on key policy and deployment issues facing EVs.

Progress and Accomplishments

- The Government of Korea (represented by the Ministry of Trade, Industry and Energy or MOTIE) joined EVI and hosted the May 2015 EVI Advisory Group meeting.
- An update on global EV progress was published in a media-friendly format. The [Global EV Outlook 2015](#) was released 12 March 2015 at the Cars of Tomorrow conference in Melbourne, Australia.
- The [2014 EV City Casebook: 50 Big Ideas](#) was released at Canada’s EV Association Conference in Vancouver, Canada. The 50 Big Ideas reflect input from an international panel of electric mobility experts from national governments and nongovernmental organizations, who identified the measures that offered the greatest potential to advance global adoption of EVs.
- EVI supported detailed technical analysis to estimate EV grid impacts in India. The research used actual Indian supply and demand data to determine the potential load increase due to EV deployment of up to 15% of vehicles in Delhi.
- At the November 2014 Advisory Group meeting, EVI hosted a “V2X” workshop jointly with IA-HEV and the International Smart Grid Action Network (ISGAN) alongside Canadian public and private stakeholders. The workshop brought together a unique set of industry, researchers, policy advisors, and analysts to identify key policy messages and clarify priorities for national policymakers.

Other Recommendations

- To help achieve EVI’s objectives, it is important for public and private stakeholders to undertake a more robust, data-driven analysis of EV market transformation, focusing on the optimal location and level of charging infrastructure and the grid support needed for future EV scale-up.
- Governments that support vehicle and charging infrastructure demonstrations can gain valuable insights into consumer behavior and use that information to inform private-sector business models that enable sustainable EV deployment.
- Public investment in battery and vehicle RD&D should continue and facilitate international cooperation to address common areas of need.

Current Participants and Partners

Participating governments include Canada, China, Denmark, Finland, France, Germany, India, Italy, Japan, Korea, the Netherlands, Portugal, South Africa, Spain, Sweden, the United Kingdom, and the United States. The International Energy Agency facilitates and coordinates the collection, analysis, and dissemination of EVI data.