Electrification Coalition

Analysis

The Electric Vehicle Deployment Act: A National Plan for Electrification

The Electric Vehicle Deployment Act (EVDA) will advance the wide-scale deployment of grid-enabled vehicles (GEVs) and the infrastructure needed to support them. The EVDA has two core programs:

The **National Plan** directs the Secretary of Energy to develop a national plan for the deployment of GEVs and to provide technical assistance to communities across the nation to prepare for electrified transport. National deployment is aided by: 1) ongoing tax credit of up to $7,500 for the purchase of GEVs anywhere in the nation, and 2) the nationwide extension of tax credits for deployment of vehicle charging infrastructure at the levels established in the American Recovery and Reinvestment Act.

The **Regional Deployment Plan** is a critical step towards the goal of wide-scale deployment of GEVs across the nation. It establishes a competition in which geographic areas would compete to be selected as GEV "deployment communities," in which incentives are employed so that all of the elements of an electrified transportation system are deployed simultaneously.

01 THE NATIONAL PLAN

The National Plan will:

- **Establish goals** for the deployment of GEVs nationwide by 2020 and 2030.
- **Promote National Deployment** of GEVs based on lessons learned in deployment communities.
- **Keep Deployment on Track** by directing the government to provide technical assistance to communities and make recommendations to the president and Congress on an ongoing basis on how to better promote the deployment of GEVs and to reduce barriers to their deployment.

The approach in EVDA does not in any way impact the current nationwide incentives available to consumers and for infrastructure. Automakers can and will sell GEVs anywhere in the nation, and consumers will make the purchasing decisions.

1111 19th Street, NW
Suite 406
Washington, DC 20036

TEL 202-448-9300
FAX 202-461-2379
ElectrificationCoalition.org

02 THE REGIONAL DEPLOYMENT PLAN

The Regional Deployment Plan reflects the current model for marketing and selling light-duty vehicles. Equally as important, deployment communities are absolutely critical to successful nationwide deployment. They will:

- **Demonstrate Proof of Concept Beyond Early Adopters** by showing the value of a fully operational electrified transportation system, helping to guarantee that GEVs are accepted—and indeed coveted—not just by early adopters, but by typical families across the country.
- **Facilitate Learning by Doing** by serving as labs, showing what works well and what could work better, so we can learn as electrification expands nationwide.
- **Maximizing Investment Payoff** by providing crucial economies of scale necessary to continue to reduce the price of electric vehicle components and charging infrastructure nationwide.

03 THE BENEFITS OF THE EVDA WILL BE SPREAD ACROSS THE NATION

The benefits of the EVDA will accrue to the entire nation. It would spur the production of electric vehicles, components, and infrastructure across the country. Furthermore, widespread electrification of transportation will:

- Reduce the consequences of oil dependence
- Enhance resilience to future oil price shocks by reducing the economy's petroleum intensity
- Reduce carbon emissions by 300 million tons annually by 2030
- Reduce oil imports by 3.2 million barrels per day
- Create 1.9 million jobs by 2030
- Reduce the federal debt by over $300 billion by 2030, net of policy costs
- Increase household disposable income by $3,687 in 2030