April 15, 2011

VIA EMAIL (DOE–QTRmailbox@hq.doe.gov)

Dr. Steven E. Koonin
Under Secretary for Science
U.S. Department of Energy
1000 Independence Ave., SW.
Washington, DC 20585

Re: Quadrennial Technology Review

The Electric Drive Transportation Association (EDTA) welcomes the opportunity to submit these comments for consideration by the U.S. Department of Energy in its Quadrennial Technology Review (QTR). We are submitting these comments in response to the Request for Information published in the Federal Register on March 14, 2011 (76 Fed. Reg. 13607).

EDTA is the cross-industry trade association promoting the advancement of electric drive technology and electrified transportation. Our members include vehicle manufacturers, battery and component manufacturers, utilities and energy companies, and smart grid and charging infrastructure developers. We are committed to realizing the economic, national security, and environmental benefits of displacing oil with battery electric, hybrid, plug-in hybrid and fuel cell vehicles.

As the collective voice of the electric drive industry, we have adopted an Action Plan (attached) that identifies the key next steps for policymakers to achieve our shared goal of a commercial-scale electric drive fleet:

- Reduce Market Hurdles for Electric Drive Technologies
- Expand U.S. Manufacturing Capacity
- Establish Coherent Regulatory Policies for Electric Drive Vehicles and Infrastructure
- Accelerate Technology Breakthroughs
- Promote Public and Private Outreach and Education to Increase Consumer Awareness

As DOE begins its Quadrennial Technology Review, we support DOE's Energy Technology Mission and its work in partnership with industry and academia to develop and deploy the electric drive technologies that are critical to reaching national energy policy goals of reducing oil imports and greenhouse gas emissions and deployment of 1 million plug-in vehicles on the road by 2015. DOE's transportation strategies for achieving these goals include progressive electrification of the vehicle fleet, which is an essential technology and

deployment path for achieving our national energy policy goals. We encourage DOE to continue its portfolio of electric drive research, development, demonstration, and deployment programs. Specifically, we highlight our support for DOE's efforts in the following programs:

- We support the Department's efforts through ARPA-E and the Vehicle Technologies program to advance electric drive systems, energy storage technologies and to develop next generation battery and other component technologies that will enhance performance and bring down costs.

- We support the Vehicle and Systems Simulation & Testing programs, including the Advanced Vehicle Testing Activity, which are advancing next generation charging, systems integration and codes and standard for vehicle to grid communication.

- We support expanded efforts, through the Vehicle Technologies program, for activities that advance electrification of medium and heavy duty vehicles, including work with industry partners to reduce component costs and further enhance performance.

- We support fuel cell vehicle research, development and demonstration and recommend an expanded emphasis on programs that reinforce the vehicle commercialization effort. Specifically, we support continuation of the fuel cell electric vehicle and infrastructure deployment activities in Technology Validation and in early market development, including education and other enabling activities, which will enable the industry to build on technology and market achievements to meet their 2015 commercialization target.

- We support the Department's technology deployment efforts, particularly the Clean Cities program, which advances the nation's energy security by reinforcing communities' own efforts to expand deployment of electric drive vehicles (battery electric, hybrid and fuel cell electric vehicles), other alternative fuel vehicles, and recharging/fueling infrastructure.

We thank you for your ongoing commitment and support and we stand ready to work with you to achieve our shared vision for electric drive transportation.

Sincerely,

Brian P. Wynne, President
Electric Drive Transportation Association

Enclosure