

## DOCKETED

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## **On Investment Plan Update**

*Additional submitted attachment is included below.*



November 4, 2016

California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814

Re: Comments on the 2017-2018 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program

Dear California Energy Commissioners and Staff,

Thank you for the opportunity to provide comments on the 2017-2018 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). NextEV strongly supports the Energy Commission's mission to help develop and deploy advanced transportation technologies to help attain the state's climate change policies and goals.

NextEV is an advanced technology company producing electric vehicles for the premium mass market, with locations in San Jose, Shanghai, Munich, London and Hong Kong. NextEV is founded by world-class internet entrepreneurs and renowned financial investment institutes, and has recruited hundreds of R&D and design personnel in California who provide an unrivalled understanding of the marketplace, automotive landscape, and zero-emission technology innovation. NextEV's mission is to create cars at a price point optimized for a much larger segment of the car buying population, which will scale and drive deployment of ZEVs in the United States and beyond.

NextEV strongly supports the allocation for funding to expand in-state manufacturing for light-duty zero-emission vehicles and vehicle components – and encourages increasing the amount of funding allocated for ZEV manufacturing to \$10M in the 2017-2018 Investment Plan for the ARFVTP. Support for manufacturing of advanced EV components, including advanced battery cooling technologies and battery systems, will accelerate the development and deployment of cost-effective zero-emission technologies in California.

Traditional liquid battery cooling faces a number of challenges including leakage, reactivity, and inefficient heating in cold climates. Developing and manufacturing an innovative heat pump system to transfer heat from one source to another without the use of liquid or gas will increase efficiency, reduce zero-emission vehicle costs, and increase range, which will increase adoption and commercialization of zero-emission vehicle technology. These EV



components will be deployed to serve more efficient light-, medium- and heavy-duty electric vehicles, which will help carry out the Governor's Zero Emission Vehicle (ZEV) Action Plan and the Governor's Sustainable Freight Action Plan, as well as helping to directly achieve the goals of ARFVTP including: improving air quality and reducing greenhouse gas emissions and petroleum use. In addition, zero-emission vehicle and component manufacturing helps expand and strengthen the in-state workforce and expertise for alternative vehicles.

We appreciate the opportunity to provide comments on the 2017-2018 Investment Plan Update for the ARFVTP and look forward to working with the Energy Commission to advance zero-emission vehicle technologies.

Respectfully

A handwritten signature in blue ink, appearing to read "Chris Ricci".

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