

June 24, 2015

Mary Nichols
Chairman
Air Resources Board
P.O. Box 2815
Sacramento CA 95812

Re: Comments on Agenda Item 15-5-8: Proposed Fiscal Year 2015-2016 Funding Plan for Low Carbon Transportation Investments and the Air Quality Improvement Program (Hearing of June 25, 2015)

Dear Chairman Nichols:

Autocar, LLC is the leading manufacturer of heavy-duty trucks with a fuel-saving hybrid drive system. Parker Hannifin Corporation manufactures the Runwise hybrid drive system and Autocar builds it into its E3 refuse trucks. Customers purchasing the E3 have benefitted greatly from the Hybrid Voucher Incentive Program, and the purpose of this letter is to applaud and request expansion of ARB's investment in this clean transportation technology.

Autocar shares ARB's desire to get clean heavy-duty trucks on the road in California, and we ask for the Board's consideration of increasing the existing HVIP voucher amount to \$80,000 as part of this funding plan. Information in support of this request is summarized below and in the attachment to this letter:

- **Diesel Fuel Savings Validated:** The City of Orlando recently completed a study of nine of its Autocar E3 hybrid drive vehicles. The E3 refuse trucks consumed an average of 48% less fuel than the standard diesel trucks on routes that collect refuse from 900 to 1,100 homes per day. Because refuse collection vehicles collect weekly in all cities, near-term benefits can be achieved across all types of communities.
- **Corresponding GHG Reductions:** The reduction in fuel consumption by the City of Orlando's nine E3's have reduced CO₂ emissions by 226,492 lbs. to date. Over a 10-year truck life, the reduction in CO₂ emissions for these nine E3's will total 2,839 tons. Based on recent EPA figures, this reduction in CO₂ emissions is equivalent to removing 542 mid-sized vehicles from the road, or planting 66,038 tree seedlings and allowing them to grow for 10 years.
- **Incremental Cost:** The current HVIP voucher program at \$40,000 per truck has successfully resulted in the deployment of 23 E3 vehicles. However, the actual incremental cost of the E3 truck over a standard diesel approaches \$100,000, and we believe that with an increased voucher amount of \$80,000, the upfront cost barrier will be reduced and stimulate additional deployment.



We are grateful that our comments will be considered by the Board. We look forward to continued collaboration with ARB.

Sincerely,

David Wright

David Wright
Director of Sales
Autocar, LLC