

International President

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Principal

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Clerk of the Board

California Air Resources Board

1001 I Street

Sacramento, California 95814

RE: URBAN TRANSPORTATION MANAGEMENT AND OPERATIONS FUNDING VIA CAP-AND-TRADE

Members of the Air Resources Board:

The Institute of Transportation Engineers (ITE) is an international educational and scientific association of over 16,000 transportation professionals who are responsible for meeting mobility and safety needs. ITE facilitates the application of technology and scientific principles to research, planning, functional design, implementation, operation, policy development and management for any mode of ground transportation. Our members include state, regional, and local transportation engineers responsible for operation of street and highway systems.

It is understood that the transportation sector is the single largest contributor of greenhouse gases (GHG) in California, with almost 30% coming from automobiles and light trucks. This letter is to request your consideration of transportation programs as part of the solution to reducing GHG emissions, with the co-benefits of improved multimodal mobility and associated economic competitiveness.

Transportation programs can deliver cost effective near-term GHG reductions and economic co-benefits, consistent with the ITE Sustainability Policy that "Air quality and transportation programs should be mutually supportive and incorporate sufficient flexibility to allow their effective and reasonable implementation". Allocation of Cap-and-Trade revenues to urban transportation management and operations is consistent with the ITE Government Policy to "Support predictable, dependable and adequate sources of transportation funding for all modes that achieve a proper balance between capital and operations/maintenance programs".

Your support is requested to use Cap-and-Trade funds for:

1. Bus Rapid Transit (BRT) Operations and Maintenance (O&M) funding of capitalized systems
 - a. Estimated at \$400,000 per BRT system mile per year
 - b. BRT enables delivery of travel time competitive transit choices, which is key to gaining mode shift to transit and reduction in vehicle miles traveled
 - c. BRT was previously evaluated for "offset" potential, but rejected due to the high capital cost; this request is to fund O&M for BRT systems that are capitalized

2. Traffic Signal Synchronization along high frequency transit corridors
 - a. Operations and Maintenance funding along urban corridors with peak period transit service at minimum 15-minute headways, with an estimated cost of \$25,000 per system mile per year
 - b. Traffic Signal Synchronization along heavily used public transportation routes directly results in a significant reduction in GHG emissions by offering residents public transportation options and reducing privately owned vehicle traffic
 - c. Total GHG emissions from Orange County Transportation Authority (OCTA) operations in the two years sampled show resulting data which is net-positive in GHG reduction
 3. Pedestrian and Bicycle facility improvements within a three mile radius of transit stations
 - a. To extend the reach of transit to additional customers and to enable active transportation choices
 - b. Improvements for pedestrian and bicycle facilities have the potential to reduce vehicle trips by 5% or more, based upon proven experience in Portland, OR, Minneapolis, MN, college communities in California, and cities establishing pedestrian and bicycle friendly programs.
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4. Goods Movement Intelligent Transportation Systems (ITS) Deployment, Operations and Maintenance funding
 - a. Virtual enforcement truck facilities on freeways and parallel arterials where truck diversion is known
 - b. Transportation programs are an important part of a sustainability agenda, both as a means to reduce GHG emissions and to help transportation agencies adapt to the impacts of climate change

Thank you for this opportunity to contribute to the strategic plan for a more sustainable and a more economically competitive California. If any additional information is desired please feel free to contact me at 949-923-6021.

Sincerely,



Rock E. Miller, P.E., P.T.O.E.
International President
Institute of Transportation Engineers