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*Comment Received From: Michael Lim
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C-ITS

Additional submitted attachment is included below.



November 16, 2023

California Energy Commission
Docket Number 22-ERDD-02
715 P Street
Sacramento, CA 95814

RE: CEC Workshop on the Climate Innovation Program Update

Xtelligent commends the California Energy Commission (CEC) for hosting a workshop on November 2, 2023, to discuss the development of its revised \$477 million Climate Innovation Program (CIP). Xtelligent appreciates the opportunity to provide a response to the CEC.

Movement of goods and people on surface streets account for approximately 25% of all GHG emitted in the U.S. Yet traffic management technologies, such as traffic signals and ramp meters, that govern movement in U.S. cities are extremely antiquated. As such, antiquated traffic management technologies are responsible for up to 20% of GHG emitted by vehicles in cities due to unnecessary vehicle idling and stop-and-go traffic.

Despite the disproportionate decarbonization potential and critical research breakthroughs in the past decade at many of our universities, the deployment of traffic management technologies has not been adequately addressed by other funding opportunities. As such, we recommend that the CEC support Cooperative Intelligent Transportation System (C-ITS) technologies.

It should be noted that C-ITS technology now has the potential to facilitate travel behavior / mode shift toward transit ridership and active transportation. This can further augment the potential for climate impact.

C-ITS represents a cost-efficient path towards highly scalable impact.

Best,

Michael Lim
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