Public comment, Zero Emission Airport Shuttle Regulation, Due by 2/19/19

The government of the State of California is proposing a "zero emission" standard throughout the state, including transportation, electrical generation and other energy production/usage. The goal is "zero emission" by 2030.

Currently, the government of the State of California has actively opposed the revision of EPA/FHWA fuel economy standards. The state has threatened to sue.

The government of the State of California has also threatened to oppose new leases in the OCS proposed in the BOEM 5 year leasing plan. A lawsuit from the state has also been threatened.

It is questionable that the State's "zero emission" plan is workable. Currently, less than 1% of motor vehicles registered in the state are powered solely by batteries. It's doubtful that internal combustion engine powered vehicles will account for less than 95% of the fleet by 2030. The state has shown a prejudice against the internal combustion engine, and has promoted battery powered vehicles to the detriment of other propulsion systems.

The state government is required under CEQA to fully and truthfully answer relevant questions in environmental documents. In the past, the state has refused to do so. The state has no credibility when it refuses to fully and truthfully answer questions, preventing the resolutions of issues, then threatens to sue or actually files a suit.

Questions for the California Air Resource Board:

1) How many people have been killed by fires started by faulty electrical transmission lines/equipment in California during the past 10 years?

2) How many gigawatt hours of electrical power consumed in the State of California were transmitted through power lines that transverse national and state forests, parks and other forested/brush covered public lands in 2018? Please provide supporting documents.

3) how many gigawatt hours of electrical power consumed in 2031 will be transmitted through power lines that transverse national and state forests, parks and other forested/brush covered public lands? Please provide supporting documents.

4) Will increasing electrical power transmission through power lines/equipment that transverse forested/brush covers public lands increase or decrease the danger of fires started by electrical transmission power lines/equipment? Please explain you answer and provide all supporting documents.

5) What is the current average distance between electrical generation points and point of consumption in terms of Gigawatt hours miles travelled (same concept as Vehicle Miles Traveled)? Please provide supporting documents.

6) What will be the average distance between electrical generation points and point of consumption in 2031? Again, in terms of Gigawatt hours miles travelled? Please provide supporting documents.

7) What is the current purchase costs of class 4 and 5 gasoline powered shuttle buses?

8) What is the current purchase costs of class 4 and 5 battery powered shuttle buses?

9) Are model year 2019 class 4 and 5 gasoline powered shuttle buses technically capable of running on 20%- 100% butanol?

10) Can butanol be manufactured as a 100% renewable fuel? Is it being manufactured now?

11) What would be the fuel cost per mile for battery powered class 4 and 5 shuttle buses at a kilowatt hour cost of 30 cents?

12) What would be the fuel cost per mile of class 4 and 5 shuttle buses powered by 100% renewable butanol at a fuel cost of $1.50 per gallon?

13) Is there any reason to believe that model year 2030 class 4 and 5 gasoline powered shuttle buses will not be capable of operating on 100% renewable butanol?

14) In 2031, will battery powered shuttle buses be technically capable of being charged from fossil fuel powered generators?

15) In 2031, how will battery powered shuttle bus operators be physically prevented from charging their shuttles using fossil fuel powered generators?

16) In 2031, will battery powered shuttle bus operators be allowed to charge their buses using fossil fueled generators if there is a widespread power outage?

17) How many motor vehicles powered exclusively by batteries were registered (both new and existing) in California in 2018?

18) How many motor vehicles powered exclusively by batteries will be registered (both new and existing) in California in 2031?

19) How many new motor vehicles powered exclusively by batteries were sold in California in January, 2019?

20) Will increasing the number of plug-in battery powered vehicles in the state increase the load on long distance electrical power transmission lines?

Tom Becker

Buellton, CA

lesdeplorable7@gmail.com