

## Attachment 8

Under Section 177 of the Clean Air Act, nine States have adopted California’s Zero Emission Vehicle regulation (referred in the following as “ZEV states”). Eight of these ZEV states have signed an MOU, committing to the successful implementation of zero emission vehicle programs and a collective goal to reach at least 3.3 million ZEVs on the road by 2025. As part of this effort, it is important for California and the other ZEV states to understand the OEM perspective of the likely ZEV market within each state. Sales of BEVs and PHEVs have begun in these states, along with development of charging infrastructure. However, at the current time, there is relatively little information available regarding OEM expectations for FCEVs in the ZEV states. As a voluntary effort, ARB is requesting information regarding anticipated deployment plans for FCEVs in ZEV states other than California. Should ARB publish any results from this request, no data will be reported in a way that would reveal an individual OEM’s plans; aggregation will be made as necessary to protect confidential business information.

As has been shown in California, it is understood that FCEV deployment plans must follow hydrogen infrastructure deployment. At the present time, the only known major effort for hydrogen infrastructure development in ZEV states outside of California exists in Northeast member states. Air Liquide, an industrial gas company, has announced and launched development of a 12-station network in the area.

The following are the locations publicly reported by Air Liquide.<sup>1,2,3,4</sup> Some stations are expected to begin operations in 2017:

- Connecticut: Hartford
- Massachusetts: Braintree, Mansfield, and 2 additional stations
- New York: Bronx, Brooklyn, Hempstead, and 1 additional station
- New Jersey: Lodi and 1 additional station
- Rhode Island: 1 station

Based on this information, please provide your expected FCEV deployment in each of the following states for two time periods, model years 2018-2020 and model years 2021-2023. Thus, for each state, provide the aggregate number of FCEVs you expect to deploy throughout each three-year period:

	<b>CT</b>	<b>MA</b>	<b>MD</b>	<b>ME</b>	<b>NJ</b>	<b>NY</b>	<b>OR</b>	<b>RI</b>	<b>VT</b>
<b>MY 2018-2020</b>									
<b>MY 2021-2023</b>									

<sup>1</sup>[https://energy.gov/sites/prod/files/2016/08/f33/fcto\\_h2usa\\_2016\\_sts\\_breakout\\_3c\\_edwards.pdf](https://energy.gov/sites/prod/files/2016/08/f33/fcto_h2usa_2016_sts_breakout_3c_edwards.pdf)

<sup>2</sup><https://www.airliquide.com/united-states-america/air-liquide-announces-locations-several-hydrogen-fueling-stations-northeast>

<sup>3</sup>[https://industry.airliquide.us/sites/activity\\_us/files/2017/02/09/20170208airliquideadytobuildhydrogenstationnetworkinnewyork.pdf](https://industry.airliquide.us/sites/activity_us/files/2017/02/09/20170208airliquideadytobuildhydrogenstationnetworkinnewyork.pdf)

<sup>4</sup> <http://www.northjersey.com/story/news/bergen/lodi/2017/02/24/lodi-first-offer-fill-ups-hydrogen-run-cars/98308394/>