Dear DOE,
I have reviewed the Quadrennial Technology Review and am impressed by its content. However, the omission of hydrogen fuel cell technologies is disappointing. I am aware that this technology is not in favor within the DOE administration because the technological hurdles are viewed as being too big. I have a different view. I believe the technology exists and is being constantly improved and that hydrogen fuel cells can serve as either range extenders for electric vehicles or as the sole power source for vehicles.

There are two primary sources of hydrogen: 1) reformers that convert natural gas to hydrogen and 2) electrolyzers that convert water to gaseous hydrogen. These devices are already available on a small scale and could be deployed to the residential level and be used to generate hydrogen right at the point of use for a vehicle in a residential garage. This is essentially akin to recharging the battery of an electric vehicle. The infrastructure for this technology already exists – namely the electrical grid and the natural gas distribution network.

Given these simple factors, omission of any mention of hydrogen fuel cell technology from the QTR seems incorrect.

Thanks for considering my input.

Please call or respond if you have any questions.

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