

## Top 6 Anti-Hydrogen Arguments

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**Too Expensive**

**Technology is not ready**

**Hydrogen will be made from fossil fuels and is therefore not clean**

**Hydrogen from renewables is not an efficient use of renewable resources**

**Hydrogen fuel is unsafe**

**We should focus on battery-electric vehicles and hybrids**

### EIN's Response

- ▶ Current costs are not an accurate indicator of commercial costs, as they are pre-commercial and do not reflect economies of scale or technological progress.
- ▶ While there are still advances that need to be made in range, durability and cost, most major automakers have hydrogen fuel cell vehicles on the road today and all you have to do is drive one to know this technology is here and poised for prime time.
- ▶ This is a choice California needs to make, not a given. Even so, hydrogen from fossil fuels, such as natural gas, can be cleaner than the status quo and will be part of the transition.
- ▶ We need to look at the efficiencies and the environmental benefits on a well-to-wheel basis and weigh the tradeoffs. Fundamentally, this is not a question of renewables vs. hydrogen - we need both in order to deal with tailpipe emissions, petroleum dependence, climate change, and grid stabilization.
- ▶ Like any fuel, hydrogen needs to be handled with care, but it is not inherently any less safe than gasoline. Some hydrogen properties make it safer while others require added safety precautions.
- ▶ This is not an either-or proposition. These technologies are not mutually exclusive. In fact, they build on each another, provide strong synergies, and offer a range of benefits in a variety of settings and timelines.