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## **2018\_06\_08 Buildings can be designed for plug in battery like power, for emergencies, especially mobile EV**

2018\_06\_08 Buildings can be designed for plug in battery like power, for emergencies, especially mobile EV

Around 2010-2011, I read about a large San Diego outage while at work, working with a department that examines utility standards. Gas station pumps could not pump. Water does not pump in certain places. Some cell phone towers did not work. It was suggested at that time, in literature, the suggestion that electric vehicle batteries could be deployed to locations to alleviate loss of power during this outage.

I also read about the concept that homeowners can plug in their electric vehicles at their homes to compensate for an electrical outage. I watched a video online, not too long ago, during one of the recent hurricane victim situations showing a Prius could be altered to download its battery storage to a home.

I am guessing California building designs can be made to accommodate outage emergencies, at the very least as an option. Electric fleet vehicles can possibly be deployed to locations to take care of a home and/or business that needs power. These ideas are no longer before their time. We can plan for emergencies so that huge areas are no longer without power for extended periods of time.

I am not into cars, as much as most people are, but like the idea that those that are, might be able to design a better future. I have been driving a Prius. I lived in earthquake prone and fire prone areas. Earthquakes commonly take out power sometimes for days. Often certain sections need big repairs before they can have power again. Utilities might be able to design their systems to turn off power in sections instantly when fires, like last years urban fire disasters, start to spread. if they did that, then individual owners might be able to power their homes, if the correct kind of plug in building electrical panel was made, in that case if necessary.

Also, a more common idea can be addressed - that electric vehicles can also be made to be able to plug into homes regularly to download and to charge up during more solar parts of California days.