



Journal Entry #1

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California Future for Electric Grids Does Not Seem Promising

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<https://www.foxnews.com/politics/californias-grid-faces-collapse-leaders-push-renewables-electric-vehicles-experts-say>

California is trying to force its economy to turn the tables to electrification and make a fast switch to renewable energy more promising for the future. Thomas Catenacci spells out how policy makers and governor Gavin Newsom will help make California electric grids better for all consumers through solar and wind. One step is to completely make the grids run off wind and solar power. Cutting back on fossil fuels is one of the goals. California wants to prevent carbon from spreading in the air. Now this is a great idea, but on the other hand it is not so good; solar panels are "Producing 25%" of energy which less for consumers to have more electricity verses the contributions from "natural gas, fossil fuels, coals and nuclear power plants serving high percentages of 49%, 54%, and 93%". This is better for the consumers. Solar and wind panels are not making more for the future fast enough and causing instability because it cannot maintain itself. Next, California wants to put more electric cars on the roads as well, but failed to realize that even with more electric cars you need more storage for the cars to be charged. This is an issue because people are using more energy to charge electric cars which puts pressure on the electric grids and can cause statewide blackout more often. Consumers loose electricity from the overcharging of electric cars.

In class, we discussed "Resource Adequacy", and this is the prime example of "using it up now and taking away from future generations". If people continue to over charge their electric cars, California consumers statewide in the future will see blackouts consistently or there will simply be no electricity at all. California is not producing or suppling more storage for chargers for electric cars will be insufficient to future generations. Resource storage might become so server that it will threaten future generations and collapse the standard of living. Sustainability is

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