



Public Discussion—SDCP BOD-- April 27, 2023

- Study to Determine the Benefits of Repurposed Battery Modules
- List of Tailwind Studies

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Study and Use “Repurposed” EV Battery Modules

- The use of repurposed EV battery modules has been proposed to reduce Hybrid farm battery cost
 - Goal: Extend EV battery module life another 10 years?
- If the saving are sufficient, procurement of Hybrid farms without subsidies might be feasible (A Long Shot)
- Study partners should include Arevon and, most importantly, Tesla
- Are EV and Megapac Modules interchangeable? If the are, Let's lead the pack
- Include a few (12?) Demonstration Modules (from Infant Mortality, collisions?) in a Vikings Megapack?
- Talk to your NREL/CALEPA counterparts about interfacing multiple manufacturers
- Develop the strategy for using alternative repurposed modules in Hybrid farms
- https://calepa.ca.gov/wp-content/uploads/sites/6/2022/05/2022_AB-2832_Lithium-Ion-Car-Battery-Recycling-Advisory-Goup-Final-Report.pdf



List of Important Tailwind Studies

- Study how to fund MUD solar roofs with a few charge ports (4-21)
- Study and Use Repurposed Battery Modules
- Study the use of monthly PVGIS and 2022/2023 CAISO daily data to predict Sept and Winter daily overgeneration margins for Vikings (and JVR?)
 - PVGIS tool uses US NREL 20-year data base and provides data downloads
 - Is one day a sufficient market look ahead?
- Study a plan to “Lock in” a Geothermal site— BOD next month