

**DOCKETED**

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*Comment Received From: Paul Donahue*  
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## **AI Power Electronics with Meter Socket Adapters for an AI & EV enabled Smart Grid**

NeWorld Energy Quarterback's CTO, Paul Donahue has patented and pioneered #1 scoring CEC EPIC grant EPC 24-016 for the Demonstration of Zero Emissions Resilient Renewable Power Electronics with reduced cost and reduced balance of systems "BOS" complexity through the use of scalable plug in Grid Isolating and DER expanding Energy Quarterback Meter Socket Adapters "MSA" and panel expanders.

Now the Grid faces unprecedented load growth, costs increases, and carbon emission increases from the electrification of Transportation (EVs) plus rapid growth of new centralized and localized AI data centers. Mitigating the negative environmental impact and widespread cost increases that will be shared by all ratepayers for these rapidly emerging services will be a key factor for CPUC and CEC to address in EPIC 5 funding.

NeWorld has pioneered and patented the integration of IoT, AI, MSAs, storage, and high efficiency Power Electronics that increase resilience, reliability, and significantly reduce energy use and costs by 20% to 60% in homes, buildings and new AI data centers at equitable ROI of < 4 years without compromising functionality, safety, or comfort. We propose EPIC 5 funding in the range of \$5million to \$10million to Demonstrate the scalable integrated Smart Building, Electrification, Transportation, AI Data Center, and Smart Grid IoT / AI Zero emission Power Electronic solutions with MSAs early in the EPIC 5 funding cycle.