

# WANT TO BE ECO-FRIENDLY?

## AN ECO-FRIENDLY CASE STORY

In California, PG&E, SCE, and SDG&E are constantly raising electric rates, changing rate structures, and amending net energy metering rules, so consumers get less credit for the solar energy they send back into the utility's grid. By themselves, solar panels no longer provide the same financial returns as they used to, because peak rates have shifted to later in the day when the panels no longer generate as much power. Most importantly, there is no transparency in how the energy these large utilities are providing to your home is produced.

Considering the rough estimate of CO2 emitted by a standard household using 11,000 kilowatt-hours annually, homes using solar panels and energy storage could save roughly 18,000 pounds of CO2 annually which would save about 24 trees from having to offset the emissions per year. However, the concept of Solar + Storage provides greatly improves the homeowners energy and net metering efficiency. The Home Energy Management System (HEMS), developed by Electriq Power, helps solar system owners hedge their exposure to rate increases and changes in net energy metering regulations. By storing energy during the peak solar generation hours and using it during the utility high-rate hours, the PowerPod offers a return on investment with the added benefit of automatic backup power and homeowner controlled options in case of emergencies.

Heyward R. of Menlo Park, a PowerPod customer since August 2017, is a true energy leader who has spent his life advocating for renewable energy as both mayor and director of a national clean energy association. An early adopter of solar and electric vehicles, he always seeks to reduce his carbon footprint, maximize the value of his solar panels and improve his family's energy efficiency. After PG&E reduced the value of his net energy metering agreement and rate plan, Heyward decided to modernize his energy solution.

Two months after his PowerPod was installed, Heyward was seeing a reduction of nearly \$300 per month in his electricity bills and had this to say about the software-controlled system:

“ *The Electriq system lets me monitor and control my power flow in real time. I love it.*

**Heyward R. - PowerPod Homeowner** ”

Heyward was able to reduce his family's carbon emissions dramatically battling climate change on a global scale. The PowerPod provides simple, actionable insights into energy production and consumption by monitoring the home, solar, batteries and connected appliances. Advanced analytics are used to provide tailored energy efficient recommendations intended to lower electric bills. By using smart devices and plugs, take control of devices directly or let the system automate efficiency measures to improve the home's performance.



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