



# Harvest the rewards of solar power and save hundreds!

Dave Stevenson, Mole Energy



## The word “haerfest” is Anglo Saxon and means autumn.

Celebrated across the western world, the modern harvest festival is thought to have originated in the Cornish village of Morwenstow, in 1843, where the tradition of giving thanks, by means of singing hymns and decorating churches with farm produce, first took off.

Now I've spent years singing the praises of solar energy and being truly thankful for the many rewards it's allowed me to harvest, but it's made me wonder - am I singing from the same hymn sheet as that of our customers?



### David Raines - a Mole Energy customer, told us:

“We first contacted Mole Energy last year, when my wife and I decided to add a Tesla Powerwall 2.0 battery and Tesla App to our existing home solar array, (which included a Myenergi Eddi - a hot water diverter).

Fast forward a year and we decided to buy our first electric car. Then, during lockdown, we contacted Mole Energy to see how we could integrate our home solar set up, to help us become more self-sufficient. In response, Mole Energy installed a Myenergi Hub, a Myenergi Zappi and an intelligent Myenergi management app. Together, they help ensure our solar system works as efficiently as possible.

Our energy management solution gives us total control over our home energy usage. It squeezes every last drop of goodness from our solar panels, allowing solar energy to be stored in our battery, prioritised and diverted, to the most useful locations in our home and in our sequence of choice. This includes powering our electric car.”

### Reaping rewards

“Having taken the plunge and bought an EV, we have the joy of zero road tax and no petrol bills. **This means an immediate saving of roughly £600 a year.** Having selected the Zappi's Eco Plus Mode, (one of three options available), only surplus solar energy is used to charge the car – when previously any excess would have been lost back to the Grid. It's the most cost-effective choice and a win-win solution for us.

In this way, we are able to rely on solar energy to meet our day-to-day power needs. We avoid high-consumption usage when the Powerwall battery is low and, without being obsessive, endeavour to enter the

overnight period with sufficient power to see us through until the morning. Only when our four key priorities are met; (running the needs of the house, hot water, battery and car) and the battery is at 100%, is surplus power then returned to the Grid.

Our solar PV array, Tesla battery, Eddi and Zappi are managed using Myenergi and Tesla smartphone apps, both of which are very friendly and easy-to-use. They're so good that when we were away on holiday, we could see what time our builder started work, by watching the spike in power demand as he boiled his kettle for the first cuppa each morning. We could even see how often he was using power tools each day!”

### Self-sufficiency

“Our solar system completely meets the needs of our home, which also includes our auto mower, Henrietta, which busily maintains our lawns at a golf course-standard, by pottering around eight hours each day. This involves returning to her base station for regular recharging.

Since installing the Tesla 2.0 battery, we have been self-powered for an average of 75% of the year - hitting a peak of 96% in May, this summer. Our power-saving

has been so significant that our energy provider sent an engineer round to check our meter, as they were suspicious that we appeared to use so little electricity after the Tesla was fitted!

While sensible energy management like this has significantly reduced our electricity bills, we could be even more efficient if we were to fit a smart meter MK2, so we could download cheap power overnight at Economy 7 rates - especially in the winter months when less solar energy is generated.”

### Summary

“We are absolutely delighted with our decision to add the Tesla battery, Myenergi Hub, Zappi and energy management apps (Myenergi and the Tesla's) to our existing solar array. The team at Mole Energy could not have been more helpful in advising, supplying, fitting and providing first class follow-up service.

While our solar panels were fitted some years ago, some friends were so impressed with our total system that they bought a package of panels and battery from Mole Energy too. They're equally thrilled with the outcome and especially the savings, as they have a swimming pool to heat!”

## All things bright and bountiful

The Raines' energy management system shows how families can harvest free, natural energy for their home and reap the rewards all year round. Now that's something to sing about.



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