

In 2012, Wayne and Diane Mackey's home in Chambersburg, PA was the fifth project in North America, and the first in Pennsylvania, to officially meet the Thousand Home Challenge.

Five Year Summary of the Results (2012-2017):

We had an average annual electric utility bill of \$204.46, or \$17.03 per month.

During this same 5-year period, the cost of electricity went from \$.07 per kWh to \$.12 per kWh and then back down to \$.10 per kWh today.

This represented a 30% increase, and up to a 56% increase for a while, and then back down to a 30% increase today.

Based on our 2007, pre project total annual electric bill of \$2,100, we would have been paying \$2,730 at a minimum during each of the past 5 years.

Therefore, we saved an average of \$2,500 a year, for a total 5 years for a total savings of \$12,500.

Our electric utility paid us an additional \$.05 per kWh for any power we produced, but did not use, that was sent into the grid amounting to a total of \$542.54.

To date, we have made a total of \$17,578 on renewable energy credits.

We saved an additional \$600 by powering our 2012 Electric Chevy Volt.

Total project savings and earnings combined to date: \$31,220.54!

This was enough to pay for all of our utility bills, our school taxes, and our property taxes during this 5-year post project period.

Our carbon footprint has been dramatically reduced to near zero.