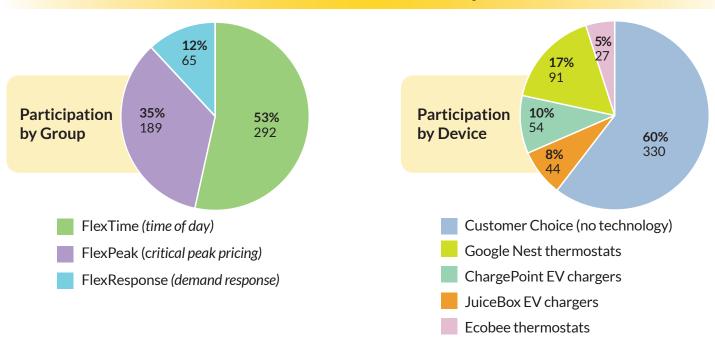


Year 1 Winter Summary

(November 2021-February 2022)

546 PUD Customers Participated



FlexEnergy Peak Events & Hours

14 FlexResponse & FlexPeak Events by Month



FlexTime Winter Hourly Summary:

By Duration:

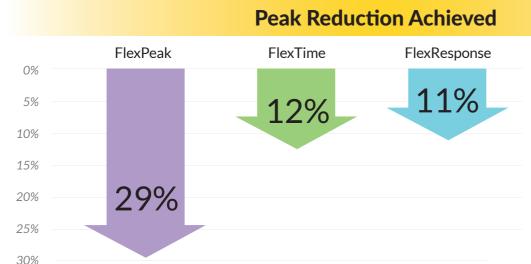
1x 2 hours 7x 3 hours 6x 4 hours

By Time of Day:

8x AM 6x PM

Standard hours 504

Nights & Weekends 1,536



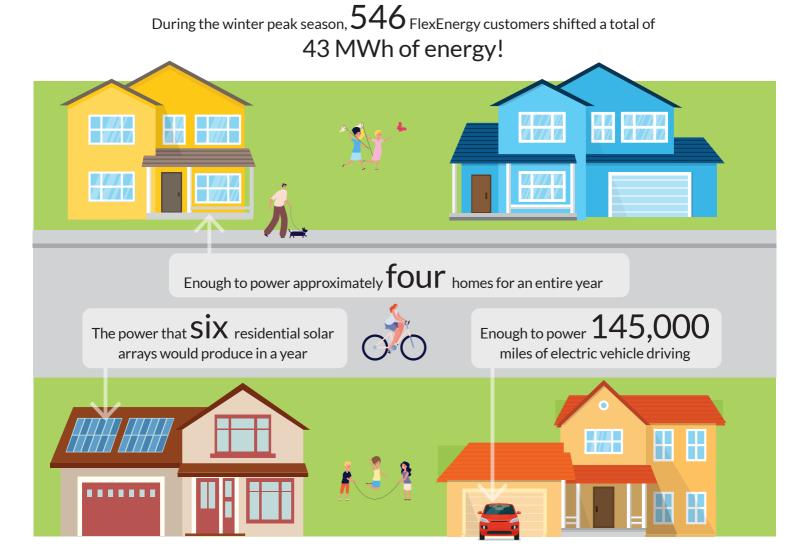
Peak reductions measured during peak periods are matched against a control group.

For FlexTime, peak reductions reported include average energy use reductions across all morning and evening peak periods.

For FlexResponse and FlexPeak, peak reductions reported include average energy use reductions during all peak events called.

During peak events, the PUD's system load was typically 25.8% higher (1,210 MWh) than in other hours (average 962 MWh).

Total Energy Shifted



Avoided Costs



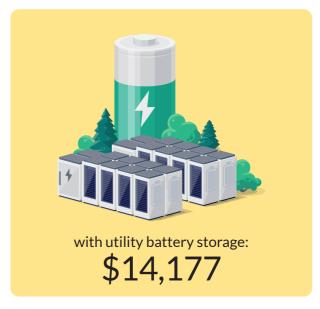
Avoided market power purchases

- During peak events, market power purchase prices were typically 54% higher (\$62.32 per MWh) than in other hours (average \$40.44 per MWh).
- On Dec. 20, the PUD called an event when prices were \$126.26 per MWh or 312% higher than average.

If 546 customers hadn't shifted their energy in the FlexEnergy pilot, these are examples of costs the PUD could have incurred to meet peak demand:

Costs avoided thanks to shifting energy use off-peak





What would that mean scaled up?

If 10,000 customers had been part of FlexEnergy, it would have avoided costs of:

Natural gas generator: \$144,514 Utility battery storage: \$260,128 If 100,000 customers had been part of FlexEnergy, it would have avoided costs of:

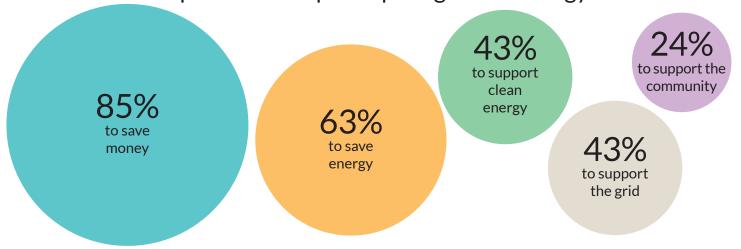
Natural gas generator: \$1,445,138 Utility battery storage: \$2,601,284

*The PUD has no plans to build a natural gas generator – it is shown here for illustrative purposes



Customer Feedback

Top reasons for participating in FlexEnergy



Top reasons for leaving FlexEnergy

54% Moved from residence



19% Installed solar or became ineligible for other reason

I'd never really thought about peak energy demand.

Now I start my dishwasher later at night instead of right after dinner. I also do my laundry on the weekends, and charge my electric vehicle at off-peak hours.

Customer Testimonial – Jenny L.



Summary based on data available as of 5/12/2022

Energizing Life in Our Communities