

Real Customers, Real Data, Real Innovation

Pecan Street's One-of-a-Kind Dataset Gives Researchers, Policy Makers and Technology Companies the Most Granular Insight into Customer Behavior

Pecan Street has installed research equipment in more than 1,000 homes in 10 states and Puerto Rico. Our systems directly measure energy use and production from up to 24 individual circuits, including total use, and solar+storage performance every second of every day.

Our research network produces 15 billion data points per day, which are then processed, verified, and fed into Dataport, our online data analytics site.

Our database is the largest direct measurement real-world residential energy use, EV charging and solar generation database on the market. Curated datasets of circuit-level energy use from hundreds of homes are available for analysis on Pecan Street's platform or for download for offline use.

Pecan Street offers multiple data licensing options, including direct access to the Dataport database and individual datasets.

The Highest Resolution Energy Data on the Planet

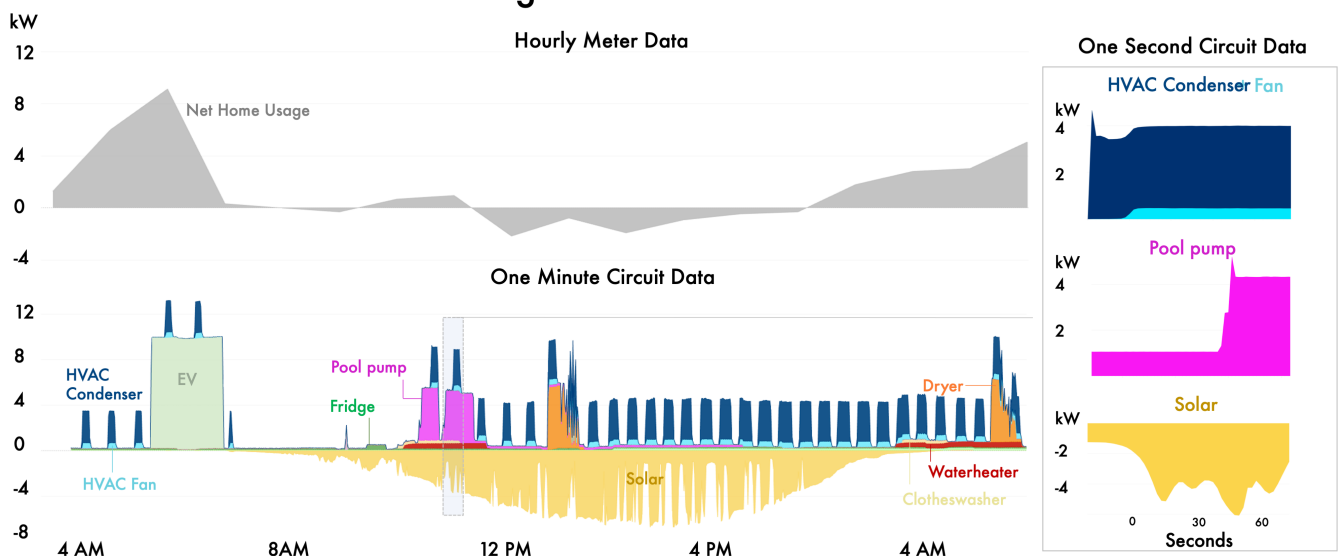
The difference between common one-hour, whole-home energy data and Pecan Street's high-frequency, ground-truth, measured data is dramatic. The top chart shows a single day of whole-home, one-hour energy data.

The bottom chart shows energy use in a home in Pecan Street's research network on the same day. For this home, data was collected every minute from multiple

circuits in the home, giving an incredible minute-by-minute understanding of when — and how — electricity was used.

We also capture 1-second data for a growing portion of our connected homes.

Pecan Street High Resolution Ground Truth Data

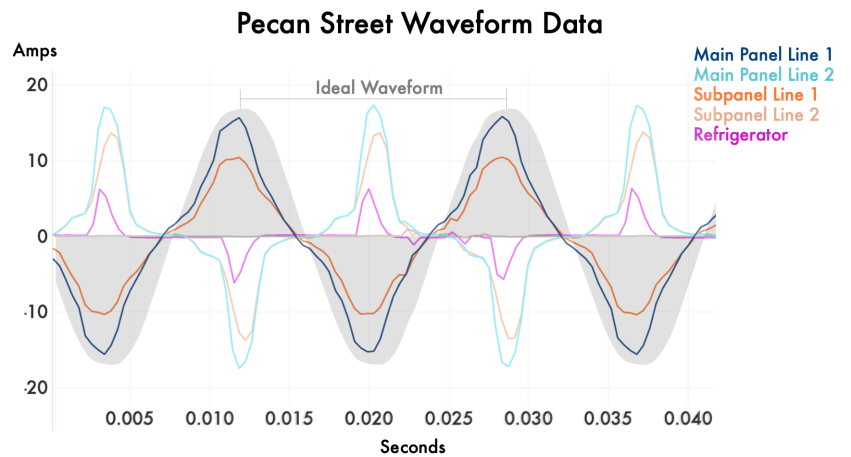


In 2025, we began capturing snapshots of voltage and current waveform data for a portion of our connected homes, which allows for detailed analysis of electrical loads, identification of specific device signatures, and detection of anomalies in electrical circuits.

Multi-year licenses are available at discounted rates.

Please contact licensing@pecanstreet.org for additional information about licenses or to set up a time to discuss available data in greater detail.

All uses are subject to Pecan Street's terms and conditions.



Circuits measured in millisecond reveal the shape of their waveforms

Pecan Street Data Pricing Schedule

Dataset	Description	Standard 2012-present	Unlimited 2012-present	Individual Datasets
Circuit Level Ground Truth Home Electricity Data, including: <ul style="list-style-type: none"> Real Power Apparent Power Phase Angle Current RMS Current THD 	1 Second Intervals		✓	\$1,200 per home/month/measurement
	1 Minute Intervals	✓	✓	\$250 per home/month/measurement
	15 Minute Intervals	✓	✓	\$200 per home/month/measurement
	2kHz sampled waveform captures, up to 1.5s in duration			Ask for pricing
Participant Survey Data	Annual survey responses, including demographics, home features and EV metadata.		✓	\$200 per home
Indoor Temperature Data	Indoor temperature sensor readings.		✓	Limited (ask for pricing)
Audit Data	Household audit data, including appliances, duct leakage testing, over 100 other measurements.		✓	\$300 per home
Weather Data	Weather data for Austin.	✓	✓	Limited (ask for pricing)
Program Data	Data from specific pricing trials.	✓	✓	\$1,000
Gas Data	Home natural gas use data.	✓	✓	Limited (ask for pricing)
Water Data	Home water use data.	✓	✓	Limited (ask for pricing)
PRICE	Annual License Fee	\$125,000	\$150,000	\$5,000 minimum order
	Perpetual License Fee	\$375,000	\$400,000	