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View Descriptions

[metadata](#)

This view draws data from multiple tables on the Dataport database to provide general information about each data ID in one location. The metadata view shows whether each data ID has particular electrical circuits monitored, photovoltaic (PV) arrays installed on the rooftop, and so on, which makes it particularly useful to researchers looking to assemble a dataset containing all the necessary data to answer a research question.

[audits_2011](#)

This table stores all of the information collected for the home energy audits performed by Pecan Street contractors in 2011. These audits were performed to fit the standards of the Austin, Texas Energy Conservation Audit and Disclosure (ECAD) Ordinance.

[audits_2013_appliances](#)

Information was recorded regarding each major appliance in the homes audited by Pecan Street from 2013 onward, including the manufacturer and model number. Thus, there will be multiple appliance records in this table for each home energy audit.

[audits_2013_duct_leakage_eval](#)

A duct leakage evaluation was performed on each HVAC system of the audited homes. There may thus be one or more duct leakage evaluations in this table for each main audit record.

[audits_2013_main](#)

In 2013, Pecan Street began performing its own energy audits on participants' homes. This table thus stores audits performed from 2013 onward. Each record in this table is the core portion of one energy audit, and it may have multiple associated records in the `audits_2013_duct_leakage_eval` and `audits_2013_appliances` tables.

[egauged_detailed_registers](#)

Pecan Street's electricity data is collected by eGauge devices, which can monitor real power on up to 12 circuits each. Depending on how a house is wired, circuits may supply power to a single end use or multiple end uses. Monitored circuits that are completely disaggregated and can easily be categorized into common groups (e.g. refrigerator, dining room lights) are included in the eGauge data tables. Circuits that are not completely disaggregated and that are thus less easy to classify (e.g. refrigerator and dining room lights on the same circuit) are frequently excluded from the eGauge data tables. The "egauged_detailed_registers" table is a key that shows, for each home, all actual circuit labels included on the eGauge and the column name that circuit label was mapped to in the tables on Dataport. If the data from a particular circuit was not included in the tables on Dataport, the circuit is labeled `___DONOTUSE___`. Data from the excluded circuits may be available from Pecan Street upon request.

[electric_vehicles](#)

This table has a record for each electric vehicle in the possession of Pecan Street participants, where known. The vehicle's make and model, model year, and date acquired by participant will be displayed here, if available. A few participants have more than one electric vehicle.

[electricity_egauge_15min](#)

This table stores all of the electricity data collected by Pecan Street's eGauge devices in 15-minute increments. All of the values in this table are average real power over the interval in kW. Timestamps indicate the starting time for the interval over which the data was measured.

[electricity_egauge_hours](#)

This table stores all of the electricity data collected by Pecan Street's eGauge devices. It is aggregated to hourly intervals, where the specified timestamp is the beginning of the interval for that row. All of the values in this table are average real power over the interval in kilowatts (kW). Timestamps indicate the starting time for the interval over which the data was measured.

[electricity_egauge_minutes](#)

This table stores all of the electricity data collected by Pecan Street's eGauge devices in one-minute increments. All of the values in this table are average real power over the interval in kW. Timestamps indicate the starting time for the interval over which the data was measured.

[gas_ert](#)

This table stores gas meter readings collected by ERT devices at the homes of Pecan Street participants. Three monitoring devices have been deployed: Itron Gas Meters (April 2012 – May 2013), Digi ERT Gateways (July 2013 – February 2014), and Pecan Street ERT devices (April 2014 – present). Meter readings are cumulative and taken in cubic feet at irregular intervals; the Itron data averages about 1 reading per day, whereas the data from the Digi Gateways averages nearly one reading per minute.

[indoor_temperature_sensor](#)

This table stores temperature readings from inside the home at 1-minute intervals. The temp_f column contains the temperature reading in Fahrenheit, while the temp_c column contains the temperature reading in Celsius.

[pricing_events](#)

This table lists all of the pricing events that occurred during the CCET pricing trial project.

[pricing_events_notifications](#)

This table lists all of the notifications sent out for each CCET pricing trial event. Each notification has its own unique ID. The pricing event ID indicates which pricing event the notification is associated with in the table above. The group name indicates which group of participants the notification was sent to: Pricing (CCET – Pricing Trial), General (CCET – Text Message), or Action (CCET – UT Text).

[survey_2011_all_participants](#)

This table stores the results of the 2011 Pecan Street general participant survey, which included demographic, appliance-related, and other types of questions.

[survey_2012_all_participants](#)

This table stores the results of the 2012 Pecan Street general participant survey. Questions on this survey asked about topics including demographics, home retrofits and upgrades, electricity use, water use, and transportation.

[survey_2012_field_descriptions](#)

This table matches column names from the 2012 survey data table with the actual text of the questions on the survey.



[survey_2013_all_participants](#)

This table stores the results of the 2013 Pecan Street general participant survey. Questions on this survey asked about topics including demographics, new technology adoption, appliances, and appliance use.

[survey_2013_field_descriptions](#)

This table matches column names from the 2013 survey data table with the actual text of the questions on the survey.

[survey_2014_all_participants](#)

This table stores the results of the 2014 Pecan Street general participant survey. The theme of this survey was photovoltaics, but other questions asked about demographics, household appliances, and appliance usage habits.

[survey_2014_field_descriptions](#)

This table matches column names from the 2014 survey data table with the actual text of the questions on the survey.

[water_ert](#)

This table stores water meter readings collected by ERT devices at the homes of Pecan Street participants. Three monitoring devices have been deployed: Itron Water Meters (April 2012 – May 2013), Digi ERT Gateways (July 2013 – February 2014), and Pecan Street ERT devices (April 2014 – present). Meter readings are cumulative and taken in gallons at irregular intervals; the Itron data averages about 1 reading per day, whereas the data from the Digi Gateways averages nearly one reading per minute.

[weather](#)

This table contains weather data from Austin, Boulder, and San Diego, where the majority of Pecan Street's participants are located.