



Dataport Database Catalog

Schema name :
audits_and_surveys

Table Name	Description
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_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.
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

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	There may thus be one or more duct leakage evaluations in this table for each main audit record.
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.

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	participant survey.
survey_2017_field_descriptions	This table matches column names from the 2017 survey data table with the actual text of the questions on the survey.
survey_2019_all_participants	This table stores the results of the 2019 Pecan Street general participant survey. Questions on this survey asked about topics including demographics, new technology adoption, appliances, and appliance use, electric vehicles etc.
survey_2019_field_descriptions	This table matches column names from the 2019 survey data table with the actual text of the questions on the survey.

Schema name :
water_and_gas

Table Name	Description
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

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		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.
	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

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		day, whereas the data from the Digi Gateways averages nearly one reading per minute.
	blucube_water_data	This table stores water meter readings collected by Pecan Street blucube devices. These devices send reads multiple times every minute making this data more granular.
	water_capstone	This table stores water data provided by Capstone meters during a meter project undertaken by Pecan Street. The water data has been converted into Gallons.

Schema name : electricity

Please note that this schema has only views and not tables.
All energy data for year 2012 - 2017 is only available in

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Harmonic Distortion).

View Name	Description
eg_realpower_1min	This view stores all of the electricity data collected by Pecan Street's eGauge devices in one-minute increments for year 2012 to present. 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.
eg_realpower_15min	This view 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

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		<p>interval over which the data was measured. This contains all data from year 2012 to present.</p>
eg_realpower_1s		<p>This view stores all of the electricity data collected by Pecan Street's eGauge devices in 1 second 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. This contains all data from year 2018 to present.</p>
eg_realpower_1s_40homes_dataset		<p>This dataset includes data collected by Pecan Street's eGauge devices in 1-second increments for 40 homes. Every home has at</p>

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		2018. For more information please check our blog here .
	eg_apparentpower_1min	This view stores all of the electricity data collected by Pecan Street's eGauge devices in 1-minute increments. All of the values in this table are average apparent power over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.
	eg_apparentpower_15min	This view 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

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		starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.
eg_apparentpower_1s		This view stores all of the electricity data collected by Pecan Street's eGauge devices in 1-second increments. All of the values in this table are average apparent power over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.
eg_current_1min		This view stores all of the electricity data collected by Pecan Street's eGauge devices in 1-minute

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		current over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.
	eg_current_15min	This view 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 current over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.
	eg_current_1s	This view stores all of the electricity data collected by Pecan Street's

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		<p>values in this table are average current over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.</p>
eg_angle_1min		<p>This view stores all of the electricity data collected by Pecan Street's eGauge devices in 1-minute increments. All of the values in this table are average phase angle over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.</p>
eg_angle_15min		<p>This view stores all of the electricitv</p>

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		<p>devices in 15-minute increments. All of the values in this table are average phase angle over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.</p>
eg_angle_1s		<p>This view stores all of the electricity data collected by Pecan Street's eGauge devices in 1-second increments. All of the values in this table are average phase angle over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.</p>

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		<p>electricity data collected by Pecan Street's eGauge devices in 1-minute increments. All of the values in this table are average total harmonic distortion over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.</p>
	eg_thd_15min	<p>This view 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 total harmonic distortion over the interval. Timestamps indicate the</p>

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	measured. This contains all data from year 2018 onwards.
eg_thd_1s	This view stores all of the electricity data collected by Pecan Street's eGauge devices in 1-second increments. All of the values in this table are average total harmonic distortion over the interval. Timestamps indicate the starting time for the interval over which the data was measured. This contains all data from year 2018 onwards.

Schema name :
other_datasets

Table Name	Description
civita_text_messages	This table stores the text messages data for the participants that were

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		participants received text messages asking them to conserve energy in various ways.
	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.
	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

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		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).
	weather	This table contains weather data from Austin, Boulder, and San Diego,

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	are located.
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