

USE CASE: ANONYMIZED ENERGY USAGE PROFILE DATA



Helps local governments understand energy usage trends within the community that may inform the development of energy policies and programs.

DESCRIPTION

A request for information about anonymized energy usage profiles may include a description of types of customers for which the city would like anonymized data or statistical derivations based on the utility's data. It may include requests for annual, monthly, or even interval (time-based data, such as 15-minute measurements) data. Individual addresses or account numbers are not a component of such a request. Data requests may include the following variations, depending on the city's policy purpose:

- A temporal component, such as a request for one or more calendar years so that a city can compare progress to a baseline, or a request for monthly data so a city can weather normalize it.
- A geographic component, such as a request for data to be provided based on zip codes or zip+4, Census blocks, neighborhoods, or another attribute to allow for visualization.
- A request for a large selection of individual, anonymized load profiles meeting a certain set of characteristics (i.e., solar customers vs. non-solar customers).
- A request for statistical properties associated with a set of customers (i.e., for a list of 500 homes built between 2005 and 2010 under a particular energy code, the high, low, and median energy usage per month).

SUGGESTED DATA PRACTICES

Cities have identified the following practices as potentially being useful to delivering this data:

- Where individual anonymized data cannot be released due to concerns about privacy, consider releasing statistical properties or “blurring” data to protect statistical properties.

ROLE MODELS

→ [ANONYMIZED DATA SETS IDENTIFY RATE DESIGN CHANGES THAT SAVE CUSTOMERS MONEY AND CARBON](#)

→ [THE LA ENERGY ATLAS ENABLES ROBUST ANALYSIS RELATED TO PUBLIC HEALTH](#)