

Community Energy

Description:

This dataset represents annual electricity and natural gas consumption for all service points within the city limits, except service points on the UC Berkeley and LBL campuses. The dataset was assembled from data provided by PG&E, UC Berkeley, LBL and municipal PG&E billings.

Meta

- Category: Natural Resources
- Permissions: Public
- Tags: electricity, natural gas, energy

Links

- Permalink: <https://data.cityofberkeley.info/Natural-Resources/Municipal-Energy-and-Water-Consumption-and-Cost/62bx-ehri>
- Short URL: https://data.cityofberkeley.info/d/62bx-ehri?category=Natural-Resources&view_name=Municipal-Energy-and-Water-Consumption-and-Cost

Attribution

- Data Provided By: PG&E, UCB, LBNL. PG&E data not available from 2001 - 2005; straight line fill applied to these years. UCB and LBNL usage deducted from PG&E's commercial sector.
- Source Link:

Update Frequency:

Yearly

One Page Narrative:

PG&E Data

PG&E provides residential and non-residential aggregate MWh and therm data from 2005. Data include all power and gas delivered through the PG&E system, which includes the entire community except for LBL's Grizzly Peak substation. PG&E bundled electric. PG&E once provided the same data sets for 2000 but these are no longer reported by the utility. The data between these years is filled on a straight line basis.

Municipal Data

Municipal loads were based on PG&E billings, or, in the few cases where the City is not directly billed (e.g., leased buildings), proxies based on energy intensity per square foot. Since these loads are already in the PG&E data, they were deduced from the PG&E data. Municipal data include all facilities owned or occupied by the City through a lease. Loads that transferred from the City to another party (e.g., the Berkeley Housing Authority) have been deleted from all years. Likewise loads that were transferred from another entity to the City (e.g., the fifth and sixth floors of 1947 Center Street) were added (using proxies) to annual use in for those years that City did not operate them. All loads are annualized to account for billing cycles which do not correspond to calendar years.

UC Cogenerator and Steam Plants

Natural gas consumption by the Delta Power cogenerator and steam plants on the UCB campus is deducted from the Commercial PG&E data. These data obtained from Delta Power for 2005 through 2010. Data since 2011 were obtained from CARB. Data for 2000 – 2004 are the average usage for 2005-2010.

UCB

On campus UCB natural gas and electricity consumption is deducted from the Commercial PG&E data. UCB provided subtotals for campus and non campus electricity and natural gas consumption since 2005. Separately, data for total UC consumption (on and off campus) were provided for 2000-2004. The on-campus consumption was extrapolated for 2000-2004 based on the proportion 2005 campus consumption total UC consumption.

LBNL

LBNL on campus gas consumption is deducted from the Commercial PG&E consumption. Summarized annual LBNL on-campus gas consumption data (Berkeley buildings/meters only) were provided by calendar year from 2000-2012 by LBNL. To date, all LBNL electricity has been supplied by WAPA on high voltage transmission lines and is not included in the PG&E inventory.

Tabular Data Descriptions

Column Name	API Field Name	Comment
Year	year	
Units	units	Units of measurement
Sector	sector	Commercial, Residential, or Municipal sector
Quantity	quantity	Total quantity used