

# Chicago Energy Benchmarking Dataset

Column Name	Description	API Field Name	Data Type
Data Year	Calendar year (January-December) represented by each data record.	data_year	<a href="#">Number</a>
ID	A six-digit unique identifier assigned to each property covered by the Chicago Energy Benchmarking Ordinance for tracking and identification purposes. <a href="#">Read less</a>	id	<a href="#">Number</a>
Property Name	Official or common property name.	property_name	<a href="#">Text</a>

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Reporting Status	<p>Whether the building submitted its report for the Data Year shown. Buildings that did not do so were not listed at all for Data Years through 2017 so all records prior to 2018 will have a value of Submitted.</p> <p>"Temporarily Exempt" means that the building received a one-year, temporary exemption from reporting. "Not Submitted" means that the building did not receive an exemption or submit a report, and is out of compliance. This status could also mean that a report was submitted, but was missing required information, such as whole-building energy use. "Submitted" means the building submitted a report and is in</p>	reporting_status	<a href="#">Text</a>
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	compliance for the Data Year shown. <a href="#">Read less</a>		
Address	Property street address.	address	<a href="#">Text</a>
ZIP Code	Property ZIP code.	zip_code	<a href="#">Text</a>
Chicago Energy Rating	The zero-to-four-star Chicago Energy Rating assigned to the building in the shown Data Year. A building with zero stars did not submit a report, or did submit a report but was missing required information. All other buildings receive between one and four stars, with four stars reflecting the highest performance. Every building receives a Chicago Energy Rating Placard with this rating, which must be posted in a prominent location at the building. The rating must also be shared at the time of listing the building for sale or for	chicago_energy_rating	<a href="#">Number</a>

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lease. For more information, visit: [www.ChicagoEnergyRating.org](http://www.ChicagoEnergyRating.org) This column was added for the 2018 Data Year. It is blank for previous years.  
[Read less](#)

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Exempt From Chicago Energy Rating

Shows whether the building is subject to the Chicago Energy Rating Ordinance. Some properties are required to submit energy benchmarking reports but are not subject to the requirements of the Chicago Energy Rating program. These buildings do not receive a Chicago Energy Rating, typically due to technical reasons. This column was added for the 2018 Data Year. It is blank for previous years.  
[Read less](#)

exempt\_from\_chicago\_energy\_rating

[Checkbox](#)

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Community Area	The Chicago community area where the property is located.	community_area	<a href="#">Text</a>
Primary Property Type	The primary use of a property (e.g. office, retail store). Primary use is defined as a function that accounts for more than 50% of a property. This is the Property Type - EPA Calculated field from Portfolio Manager. <a href="#">Read less</a>	primary_property_type	<a href="#">Text</a>
Gross Floor Area - Buildings (sq ft)	Total interior floor space in square feet between the outside surfaces of a building's enclosing walls, with the exception of any interior space used for parking. This includes tenant space, common areas, stairwells, basements, and storage, but does not include any interior parking areas. This is the Property Gross Floor Area - EPA Calculated (Buildings)	gross_floor_area_buildings_sq_ft	<a href="#">Number</a>

	field from Portfolio Manager. <a href="#">Read less</a>		
Year Built	Year in which a property was constructed or underwent a complete renovation.	year_built	<a href="#">Number</a>
# of Buildings	Number of buildings included in the property's report. In cases where a property is reporting as a campus, multiple buildings may be included in one report.	of_buildings	<a href="#">Number</a>
Water Use (kGal)	Water use for the data year in thousands of gallons. This column was added for the 2018 Data Year. It is blank for previous years. This information is collected by the City of Chicago from the Chicago Department of Water and is not reported by building owners to the City of Chicago. In some	water_use_kgal	<a href="#">Number</a>

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cases, data are not available for some buildings.

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ENERGY STAR  
Score

1-100 rating that assesses a property's overall energy performance, based on national data to control for differences among climate, building uses, and operations. A score of 50 represents the national median.

[Read less](#)

energy\_star\_score

[Number](#)

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**column Name**

**Description**

**API Field Name**

**Data Type**

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Electricity Use (kBtu)

The annual amount of electricity consumed by the property on-site, including electricity purchased from the grid and generated by onsite renewable systems, measured in thousands of British thermal units (kBtu).

[Read less](#)

electricity\_use\_kbtu

[Number](#)

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Natural Gas Use (kBtu)	The annual amount of utility-supplied natural gas consumed by the property, measured in thousands of British thermal units (kBtu).	natural_gas_use_kbtu	<a href="#">Number</a>
District Steam Use (kBtu)	The annual amount of district steam consumed by the property on-site, measured in thousands of British thermal units (kBtu).	district_steam_use_kbtu	<a href="#">Number</a>
District Chilled Water Use (kBtu)	The annual amount of district chilled water consumed by the property on-site, measured in thousands of British thermal units (kBtu).	district_chilled_water_use_kbtu	<a href="#">Number</a>
All Other Fuel Use (kBtu)	The annual amount of fuel use other than electricity, natural gas, district chilled water, or district steam consumed by the property on-site, measured in thousands of British thermal units (kBtu). <a href="#">Read less</a>	all_other_fuel_use_kbtu	<a href="#">Number</a>



Site EUI (kBtu/sq ft)	<p>Site Energy Use Intensity (EUI) is a property's Site Energy Use divided by its gross floor area. Site Energy Use is the annual amount of all the energy consumed by the property on-site, as reported on utility bills. Site EUI is measured in thousands of British thermal units (kBtu) per square foot.</p> <p><a href="#">Read less</a></p>	site_eui_kbtu_sq_ft	<a href="#">Number</a>
Source EUI (kBtu/sq ft)	<p>Source Energy Use Intensity (EUI) is a property's Source Energy Use divided by its gross floor area. Source Energy Use is the annual energy used to operate the property, including losses from generation, transmission, &amp; distribution. Source EUI is measured in thousands of British thermal units (kBtu) per square foot.</p> <p><a href="#">Read less</a></p>	source_eui_kbtu_sq_ft	<a href="#">Number</a>

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Weather Normalized  
Site EUI (kBtu/sq ft)

Weather Normalized (WN)  
Site Energy Use Intensity  
(EUI) is a property's WN  
Site Energy divided by its  
gross floor area (in square  
feet). WN Site Energy is  
the Site Energy Use the  
property would have  
consumed during 30-year  
average weather  
conditions. WN Site EUI is  
measured in measured in  
thousands of British  
thermal units (kBtu) per  
square foot.  
[Read less](#)

weather\_norm  
alized\_site\_eui  
\_kbtu\_sq\_ft

[Number](#)

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Weather Normalized  
Source EUI (kBtu/sq ft)

Weather Normalized (WN)  
Source Energy Use  
Intensity (EUI) is a  
property's WN Source  
Energy divided by its  
gross floor area. WN  
Source Energy is the  
Source Energy Use the  
property would have  
consumed during 30-year  
average weather  
conditions. WN Source

weather\_norm  
alized\_source\_  
eui\_kbtu\_sq\_ft

[Number](#)

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	<p>EUI is measured in</p> <p>measured in thousands of</p> <p>British thermal units</p> <p>(kBtu) per square foot.</p> <p><a href="#">Read less</a></p>		
Total GHG Emissions (Metric Tons CO2e)	<p>The total amount of</p> <p>greenhouse gas</p> <p>emissions, including</p> <p>carbon dioxide, methane,</p> <p>and nitrous oxide gases</p> <p>released into the</p> <p>atmosphere as a result of</p> <p>energy consumption at</p> <p>the property, measured in</p> <p>metric tons of carbon</p> <p>dioxide equivalent.</p> <p><a href="#">Read less</a></p>	total_ghg_emi ssions_metric _tons_co2e	<a href="#">Number</a>
GHG Intensity (kg CO2e/sq ft)	<p>Total Greenhouse Gas</p> <p>Emissions divided by</p> <p>property's gross floor</p> <p>area, measured in</p> <p>kilograms of carbon</p> <p>dioxide equivalent per</p> <p>square foot.</p>	ghg_intensity_ kg_co2e_sq_ft	<a href="#">Number</a>
Latitude	Property latitude.	latitude	<a href="#">Number</a>
Longitude	Property longitude.	longitude	<a href="#">Number</a>

Location	Property location in a data type recognized by the data portal software for mapping and other purposes.	location	<a href="#">Location</a>
Row_ID	A unique ID for the row, made up of the combination of the Data Year and ID.	row_id	<a href="#">Text</a>

## Covered Buildings Dataset

Column Name	Description	API Field Name	Data Type
Building ID	A 6-digit unique identifier assigned to each property covered by the Chicago Energy Benchmarking Ordinance for tracking and identification purposes.	building_id	<a href="#">Number</a>
Address	Property street address.	address	<a href="#">Text</a>
Zip	Property ZIP code.	zip	<a href="#">Text</a>

Cohort - Sector	The primary space use type component of the compliance cohort.	cohort_sector	<a href="#">Text</a>
Cohort - Size	The gross floor area component of the compliance cohort.	cohort_size	<a href="#">Text</a>
Verification Year	Year of next required data verification. Blank indicates a building under construction with unknown verification year.	verification_year	<a href="#">Number</a>
Community Area Name	Property community area name.	community_area_name	<a href="#">Text</a>
Community Area Number	Property community area number.	community_area_number	<a href="#">Number</a>
Ward	Property ward.	ward	<a href="#">Number</a>
Latitude	Property Latitude.	latitude	<a href="#">Number</a>
Longitude	Property Longitude.	longitude	<a href="#">Number</a>
Location	Property Location.	location	<a href="#">Location</a>