

Instructions for determining the Outdoor Lighting Zone using the Census Geocoder Tool

The Energy Code varies outdoor lighting allowances based on the Outdoor Lighting Zone, see Section 10-114 of the California Code of Regulations, Title 24, Part 1, Chapter 10, Section 114.

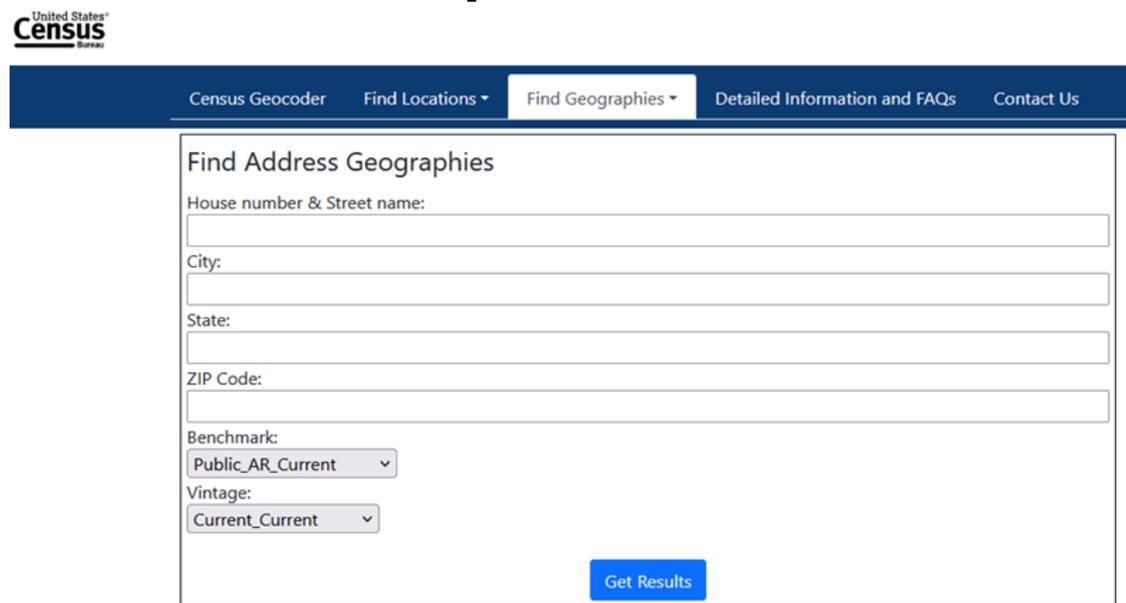
The outdoor lighting zone can be determined using the Census Geocoder tool, which is an address look-up tool provided by the United States Census Bureau.

The Census Geocoder requires a physical structural address including the building or structure number and street name, as well as city name, state, and zip code. Users may submit a single address or batches of addresses.

To search for an address

1. Start by logging onto the website:
<https://geocoding.geo.census.gov/geocoder/geographies/address?form>

The website should look like this:



The screenshot shows the 'Find Address Geographies' form on the Census Geocoder website. The form is titled 'Find Address Geographies' and includes the following fields and options:

- House number & Street name:
- City:
- State:
- ZIP Code:
- Benchmark:
- Vintage:
- Get Results button

2. In the boxes key in the information for the:
 - House number and street name
 - City
 - State

- Zip Code
3. In the section, **Benchmark**, select **Public_AR_Current**.
In the section, **Vintage**, select **Census2010_Current**, see example below.
 4. Click on the box **Get Results** to process the request for the address information entered. Go to and select Census Blocks and look for UR where:
 - LZ1 is UR (R means Rural)
 - LZ2 is U for Urban Clusters
 - LZ3 is U for Urbanized Areas

For an example of an **Urbanized Area**: 715 P Street, Sacramento, CA 95814

The image shows a screenshot of the 'Find Address Geographies' form on the Census Bureau website. The form is titled 'Find Address Geographies' and contains several input fields and dropdown menus. The fields are filled with the following information: 'House number & Street name' is '715 P Street', 'City' is 'Sacramento', 'State' is 'CA', and 'ZIP Code' is '95814'. The 'Benchmark' dropdown menu is set to 'Public_AR_Current' and the 'Vintage' dropdown menu is set to 'Census2010_Current'. A blue button labeled 'Get Results' is positioned at the bottom right of the form. The form is set against a white background with a dark blue header bar above it.

5. Located at the upper left-hand corner of the website are three linear bars. Click on the bars to reveal the drop-down menu that will depict the following: **Census Geocoder, Find Location, Find Geographies, Detailed Information and FAQs, and Contact Us.**

An image of the webpage for a search for: **Input**: 715 P Street, Sacramento, CA 95814 verifies the **Matched Address**: 715 P Street, Sacramento, CA 95814 with the corresponding coordinates.

Input:

Address: 715 P Street

City: Sacramento

State: CA

ZIP Code: 95814

Benchmark: Public_AR_Current (4)

Vintage: Census2010_Current (410)

Matched Address: 715 P ST, SACRAMENTO, CA, 95814

Interpolated Longitude (X) Coordinates: -121.5000627947016

Interpolated Latitude (Y) Coordinates: 38.5747238237186

Tigerline ID: 133321864

Tigerline ID Side: L

The example address: 715 P Street, Sacramento, CA 95814, is designated as an **Urbanized Area:**

Urbanized Areas:

CENTLON: -121.3276327

POP100: 1723634

GEOID: 77068

CENTLAT: +38.6391606

AREAWATER: 12767880

AREALAND: 1220321493

HU100: 676840

UA: 77068

NAME: Sacramento, CA Urbanized Area

Census Blocks:

STATE CODE: 06

TABBLKSUF2:

POP100: 0

GEOID: 060670011011079

CENTLAT: +38.5748315

COUNTY CODE: 067

AREAWATER: 0

NAME: Block 1079

CENTLON: -121.4995452

ACT: Z0

TRACT CODE: 001101

AREALAND: 7796

HU100: 0

VINTAGE: 40

BLOCK CODE: 1079

UR: U

To search for another address

1. At the top of the menu bar, click on **Find Locations** and a drop-down menu will appear.
2. Click on **Stateside Parse Address Processing** which will clear previous entries from the entry boxes.
3. Refresh the page and enter the new address into the entry boxes and then click **Get Results**.

Below is an example of an **Urbanized Cluster**: 425 Webster Street, Colusa, California 95932

Find Address Geographies

House number and Street name:

425 Webster Street

City:

Colusa

State:

California

ZIP Code:

95932

Benchmark:

Public_AR_Current ▾

Vintage:

Census2010_Current ▾

Get Results

Input:

Address: 425 Webster Street

City: Colusa

State: California

ZIP Code: 95932

Benchmark: Public_AR_Current (4)

Vintage: Census2010_Current (410)

15://www.census.gov

Input:

Address: 425 Webster Street

City: Colusa

State: California

ZIP Code: 95932

Benchmark: Public_AR_Current (4)

Vintage: Census2010_Current (410)

Matched Address: 425 WEBSTER ST, COLUSA, CA, 95932

Interpolated Longitude (X) Coordinates: -122.00858180268814

Interpolated Latitude (Y) Coordinates: 39.20924464515117

Tigerline ID: 67118975

Tigerline ID Side: L

Address Range Components:

Tiger Address Range: 401 - 599

Street PreQualifier:

Street PreDirection:

Street PreType:

Street Name: WEBSTER

Street SuffixType: ST

Street SuffixDirection:

Street SuffixQualifier:

City: COLUSA

State: CA

ZIP Code: 95932

Geographies:

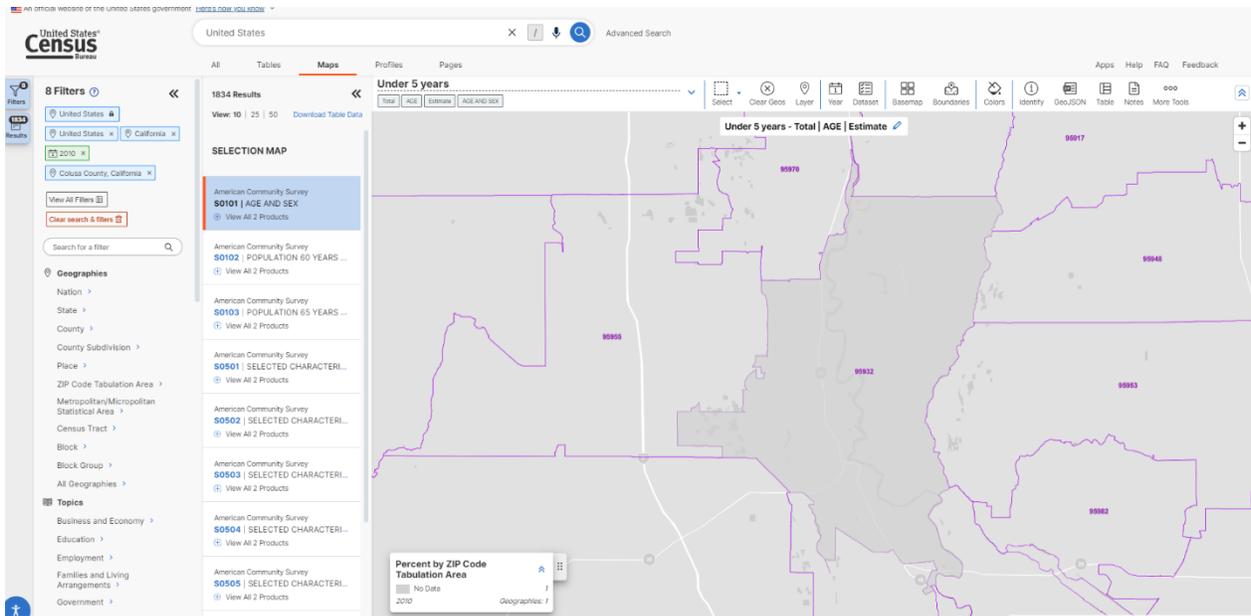
Urban Clusters:

CENTLON: -122.0129236
POP100: 6791
GEOID: 19342
CENTLAT: +39.2083797
AREAWATER: 0
AREALAND: 5913540
HU100: 2622
UA: 19342
NAME: Colusa, CA Urban Cluster

Census Blocks:

STATE CODE: 06
TABBLKSUF2:
POP100: 0
GEOID: 060110005004004
CENTLAT: +39.2082584
COUNTY CODE: 011
AREAWATER: 0
NAME: Block 4004
CENTLON: -122.0089824
ACT: B3
TRACT CODE: 000500
AREALAND: 38574
HU100: 0
VINTAGE: 40
BLOCK CODE: 4004

UR: U



Below is an example of a **Rural Area**: 465 C Street, Biggs, California 95917

Census Geocoder
Find Locations ▾
Find Geographies ▾
Detailed Information and FAQs
Contact Us

Find Address Geographies

House number and Street name:

City:

State:

ZIP Code:

Benchmark:

Vintage:

Input:

Address: 465 C Street

City: Biggs

State: CA

ZIP Code: 95917

Benchmark: Public_AR_Current (4)

Vintage: Census2010_Current (410)

Matched Address: 465 C ST, BIGGS, CA, 95917

Interpolated Longitude (X) Coordinates: -121.7108045398779

Interpolated Latitude (Y) Coordinates: 39.41403953735841

Tigerline ID: 68430481

Tigerline ID Side: R

Address Range Components:

Tiger Address Range: 469 - 445

Street PreQualifier:

Street PreDirection:

Street PreType:

Street Name: C

Street SuffixType: ST

Street SuffixDirection:

Street SuffixQualifier:

City: BIGGS

State: CA

ZIP Code: 95917

Geographies:

States:

STATE CODE: 06

CENTLON: -119.5277701

POP100: 37253956

GEOID: 06

CENTLAT: +37.1547532

AREAWATER: 20294125598

AREALAND: 403670838821

HU100: 13680081

UR: M

NAME: California

County Subdivisions:

STATE CODE: 06

CENTLON: -121.7746543

COUSUB: 90230

POP100: 3404

GEOID: 0600790230

CENTLAT: +39.4530608

COUNTY CODE: 007

AREAWATER: 897558

AREALAND: 330792406

HU100: 1284

UR: R

NAME: Biggs CCD

Census Blocks:

STATE CODE: 06

TABBLKSUF2:

POP100: 14

GEOID: 060070036002012

CENTLAT: +39.4137586

COUNTY CODE: 007

AREAWATER: 0

NAME: Block 2012

CENTLON: -121.7103545

ACT: C2

TRACT CODE: 003600

AREALAND: 9722

HU100: 4

VINTAGE: 40

BLOCK CODE: 2012

UR: R

United States Census Bureau

United States

All Tables **Maps** Profiles Pages

Apps Help FAQ Feedback

8 Filters

- United States
- United States x California x
- 2010
- Butte County, California x

View All Filters

Clear search & filters

Search for a filter

Geographies

- Nation
- State
- County
- County Subdivision
- Place
- ZIP Code Tabulation Area
- Metropolitan/Micropolitan Statistical Area
- Census Tract**
- Block
- Block Group
- All Geographies

Topics

- Business and Economy
- Education
- Employment
- Families and Living Arrangements

1834 Results

View: 10 | 25 | 50 Download Table Data

SELECTION MAP

- American Community Survey **S0101** | AGE AND SEX View All 2 Products
- American Community Survey **S0102** | POPULATION 60 YEARS ... View All 2 Products
- American Community Survey **S0103** | POPULATION 65 YEARS ... View All 2 Products
- American Community Survey **S0501** | SELECTED CHARACTER... View All 2 Products
- American Community Survey **S0502** | SELECTED CHARACTER... View All 2 Products
- American Community Survey **S0503** | SELECTED CHARACTER... View All 2 Products
- American Community Survey **S0504** | SELECTED CHARACTER... View All 2 Products
- American Community Survey **S0505** | SELECTED CHARACTER... View All 2 Products

Under 5 years

Total AGE Estimate AGE AND SEX

Under 5 years - Total | AGE | Estimate

Percent by ZIP Code Tabulation Area

- No Data
- 2010

Geographies: 1

To Generate a map

To generate a map of the entered address information example above:

1. Click on the tab **Detailed Information and FAQs** and a page titled **Census Geocoder Documentation** will appear.
2. Click on the tab **Data & Maps** and a page **Data** will appear.
3. Then click on the title **Tables and Maps** section.



Census Geocoder Find Locations Find Geographies Detailed Information and FAQs Contact Us

Find Address Geographies

House number & Street name:

City:

State:

ZIP Code:

Benchmark:
Public_AR_Current ▾

Vintage:
Current_Current ▾

Census Geocoder Documentation

An official website of the United States government [Here's how you know](#)



[Partners](#) [Researchers](#) [Educators](#) [Survey Respondents](#)

[News](#) [NAICS Codes](#) [Jobs](#) [About Us](#) [Contact Us](#) [Help](#)

Topics **Data & Maps** **Surveys & Programs** **Resource Library**

Search data, events, resources, and more

// [Census.gov](#) / [Technical Documentation](#) / [Combined Documentation](#) / [Census Geocoder Documentation](#)

[Within Technical Documentation](#)

[Combined Technical Documentation](#)

[County Changes](#)

[File Naming Conventions](#)

[Geographic Boundary Change Notes](#)

[Geographic Codes](#)

[Record Layouts](#)

[User Notes](#)

Census Geocoder Documentation

The [Census Geocoder](#) is an address look-up tool that allows the user to submit a single address, batch of up to 10,000 addresses, or location coordinates for geocoding. Geocoding results are derived from address ranges within the Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) database. Address ranges within TIGER include all possible structure numbers even though actual structures may not exist. Geocoding results are returned if the address range match score meets or exceeds the threshold for single address geocoding. Coordinate results are interpolated, or approximated, based on the physical location that the address geocoded on the TIGER address ranges. The geocoder is available as a web interface and as an API (Representational State Transfer - REST - web-based service).

Share



The overall goal of the Census Geocoder is to provide the public with the capability to geocode an address efficiently and accurately. There are multiple options that a user can select to geocode an address with the Geocoder. For further information on use of the Census Geocoder, please refer to the User Guide or Frequently Asked Questions documents found below in the Documentation section.

Data & Maps

An official website of the United States government [Here's how you know](#)



[Partners](#) [Researchers](#) [Educators](#) [Survey Respondents](#)

[News](#) [NAICS Codes](#) [Jobs](#) [About Us](#) [Contact Us](#) [Help](#)

Topics **Data & Maps** **Surveys & Programs** **Resource Library**

Search data, events, resources, and more

Data & Maps

Access demographic, economic and population data from the U.S. Census Bureau. Explore census data with visualizations and view tutorials.

[Explore data on data.census.gov](#)

[View all data resources](#)

[Census Academy](#)

[Combining Data](#)

[Data Equity Tools](#)

[Data Tools and Apps](#)

[Datasets](#)

[Developers](#)

[Experimental Data Products](#)

[Interactive Maps](#)

[Mapping Files](#)

[Profiles](#)

[Related Sites](#)

[Software](#)

[Tables](#)

[Training and Workshops](#)

[Visualizations](#)

Data

// Census.gov / Data

Data

Try out our new way to explore data

[GO TO DATA.CENSUS.GOV](#)

What is data.census.gov? >

Data Profiles

View statistics across a variety of topics for your state, county or town.

Tables and Maps

Dynamically add geographies, topics, or filters to get the data tables and maps you need.

2020 Census Data

Sign up to receive updates as more 2020 Census results become available.



Data from the 2020 Census will impact communities across the

Tables and Maps

An official website of the United States government [Here's how you know](#)

United States

Advanced Search

All **Tables** Maps Profiles Pages

4458 Results

View: 10 25 50 Download Table Data

Decennial Census
P1 | RACE
View All 4 Products

2019 PEP Population Estimates

American Community Survey
DP05 | ACS Demographic and Ho...
View All 28 Products

Economic Surveys
IT00EXPORTSPORTHS | Monthly...

2020 ECNSVY International Trade
Exports Time Series International Trade
Monthly U.S. Exports by Port and
Harmonized System (HS) Code

Economic Surveys
IT00IMPORTSPORTHS | Monthly...

2020 ECNSVY International Trade
Imports Time Series International Trade
Monthly U.S. Imports by Port and
Harmonized System (HS) Code

Household Pulse Survey
HPS01 | All HPS Indicators for PH...

HPS High Frequency Social and
Economic Data

Survey of Market Absorption
SOMACA0200 | Condominiums ...

SOMA Survey of Market Absorption

Please note that American Community Survey 1-Year estimates are only conducted for geographies with a population of 65,000 or more. For more information, please see here.

Label	United States	Estimate	Margin of Error	Percent	Percent Margin of Error
SEX AND AGE					
Total population		325,719,778	*****	325,719,778	0.0
Male		160,402,504	+26,371	49.2%	+0.1
Female		165,316,674	+26,371	50.8%	+0.1
Sex ratio (males per 100 females)		97.0	+0.1	100	0.0
Under 5 years		19,795,159	+20,249	6.1%	+0.1
5 to 9 years		20,095,947	+62,409	6.2%	+0.1
10 to 14 years		21,130,768	+56,442	6.5%	+0.1
15 to 19 years		21,487,766	+38,471	6.6%	+0.1
20 to 24 years		21,950,055	+33,848	6.7%	+0.1
25 to 34 years		44,965,735	+36,952	13.8%	+0.1
35 to 44 years		41,117,905	+35,116	12.6%	+0.1
45 to 54 years		42,330,955	+34,932	13.0%	+0.1
55 to 59 years		21,765,184	+53,487	6.7%	+0.1
60 to 64 years		20,254,552	+55,488	6.2%	+0.1
65 to 74 years		29,731,876	+21,417	9.1%	+0.1
75 to 84 years		14,824,363	+39,830	4.6%	+0.1
85 years and over		6,259,473	+36,320	1.9%	+0.1
Median age (years)		38.1	+0.1	100	0.0
Under 18 years		73,648,683	+36,202	22.6%	+0.1
18 years and over		260,564,248	+51,178	80.0%	+0.1
18 years and over		267,037,458	+36,303	77.4%	+0.1

To generate a topographical map of the address information example, input the data in the upper left-hand corner of the page under **Geographies**. Be sure to set the Filters to United States. Under Geographies, enter the Nation as United States (already set as default), State as California, County as Sacramento, the County Subdivision as

Sacramento, Place as California, and finally the zip code as 95814. Once all the data has been entered, click at the top of the page on **Maps**.

