



Welcome to the 2020 Carbon-Free Albany Challenge!





Climate Progress and Goals

Progress since 2010 Climate Action Plan:

- 33% carbon reductions city-wide
- City enrolled in EBCE's carbon-free energy mix
- Active Transportation Plan and Safe Routes to School Program

Goals in 2019 Climate Action and Adaptation Plan:

- Achieve carbon neutrality by 2045
- Electrify residential and commercial buildings and personal vehicles
- Facilitate a carbon-free economy
- Accelerate resilience



What is Carbon-Free Albany?

Carbon-Free Albany: Understand the climate impact of daily activities and how our choices can lower our impact and save money.

Carbon-Free Albany Benefits:

Save Money



Improve Health



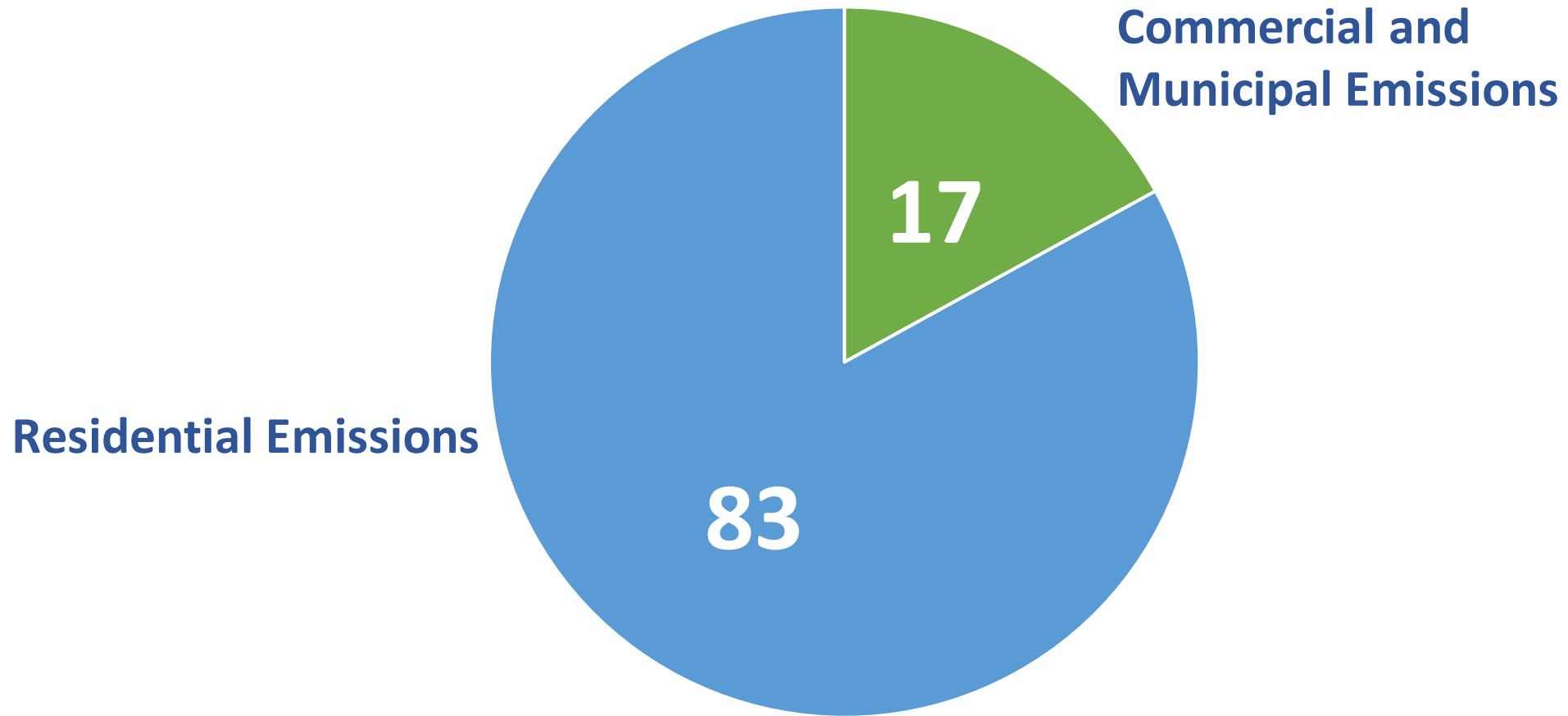
Connect with others



Create a Safer,
Healthier Future

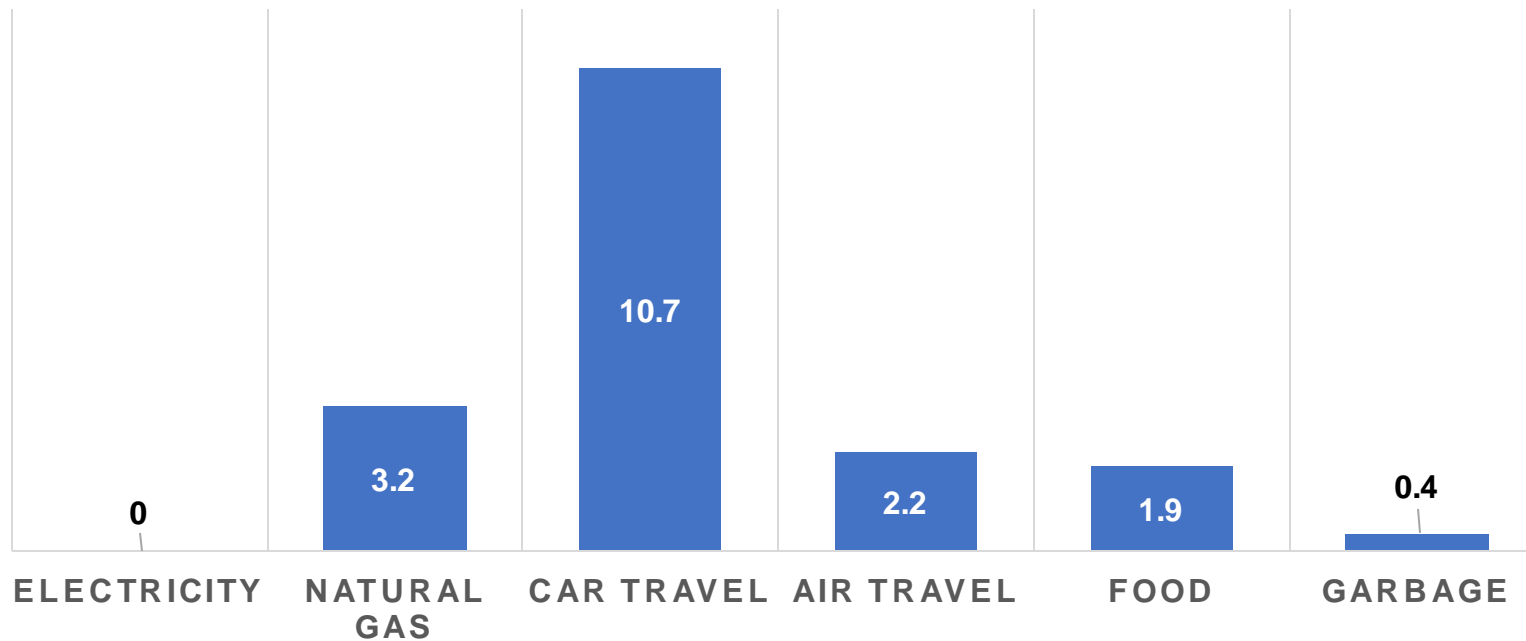


Albany Emissions (2018)



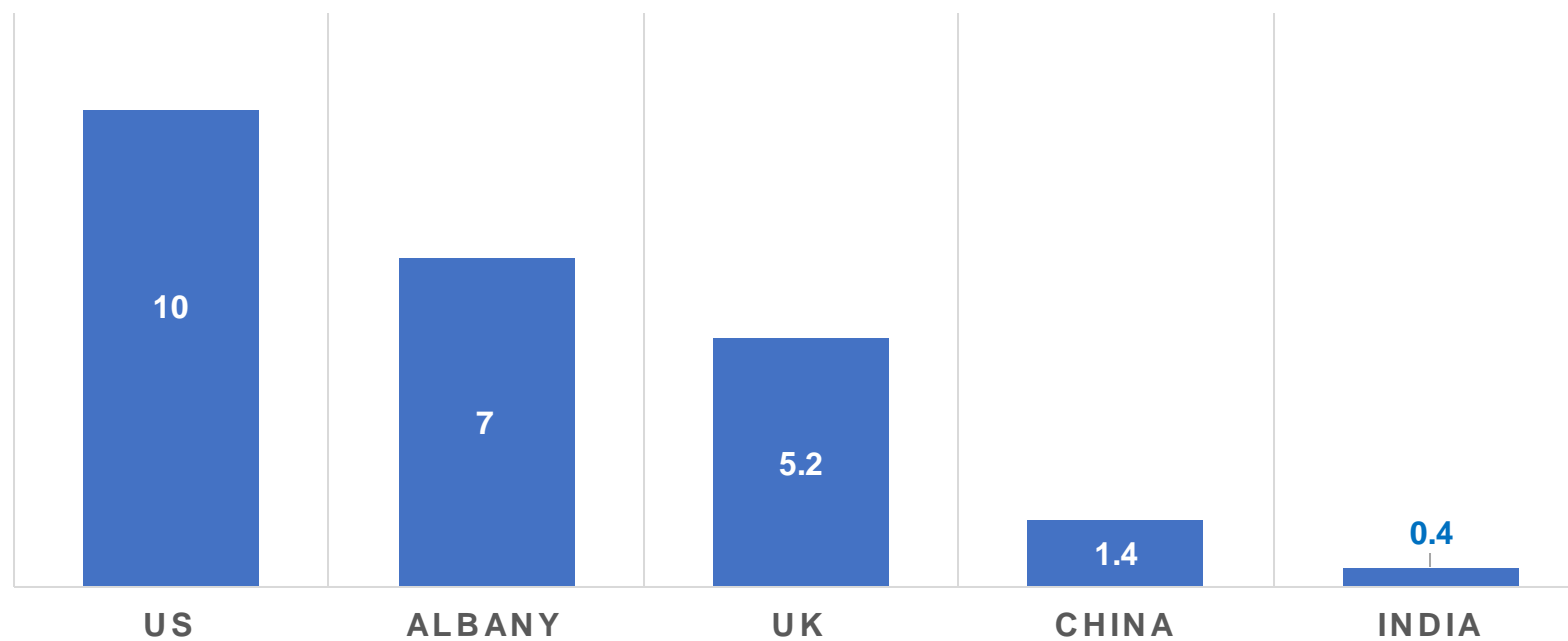
Average Albany Basic Household Impact

AVERAGE ALBANY EMISSIONS BY CATEGORY
(METRIC TONS CO2E)



How Does Albany Compare?

PER PERSON BASIC HOUSEHOLD GHG EMISSIONS
(METRIC TONS CO2E)





Working together to ensure a vibrant
and sustainable urban village.

JOIN THE CHALLENGE

WHY JOIN? →



250

HOUSEHOLDS BY JUNE 2020
PARTICIPATION GOAL



100

TONS OF CO₂ BY JUNE 2020
REDUCTION GOAL

TOP COMMUNITY GROUP


Marin Elementary School

TOP TEAM

Marin Elementary

Carbon-Free Albany Platform


All levels ▾ All categories ▾ Renter friendly actions Sort by Points ▾



Buy or Lease an Electric Vehicle

Ditch the gas pump for BIG savings


☆ Challenging 14,910 \$ 1,780



Install Electric Heat Pump Heater

Go heat pump for a big impact!


☆ Challenging 4,830 \$ 90



Eat Lower Down the Carbon Chain

Did you know cows create a powerful greenhouse gas?


★ Easy 3,670 \$ 210




Reduce & Reuse

The two most important R's


★ Easy 3,320 \$ 360




Reduce Air Travel



Take the Train or



Replace Lawn



Install Electric Heat

Carbon-Free Albany Platform

Switch to LEDs

Replacing just 5 incandescent light bulbs with LEDs can save \$60 or more per year in electricity costs! Upgrading to LEDs is one of the easiest ways to save energy and money.

[View discussion](#)

[+ CREATE POST](#)



Your Impact **440 points**

Upfront cost
\$3 - \$10

\$\$\$\$

Time commitment
1.0 hours ⌚⌚⌚⌚

Resource savings
880 kWh Electricity

⚡⚡⚡⚡

Annual savings
\$120 💰💰💰💰

We will switch **16** incandescent bulbs to LEDs

Carbon-Free Albany Platform



Choose the right bulb for your home

Completed: 03/26/2019



LEDs are new and so sometimes it can be a bit confusing to figure out which ones to get. Below are a few tips to help. If you're ready to go and have it all figured out, go to step #2 and mark it done!

First, make a list of the bulbs you need and think about each area you will be lighting. What time of day will you use the light? Do you need a bright light for a home office or a softer light for a family room? Does the bulb need to work with a dimmer? Is it a special size like a globe or recessed ceiling light?

Brightness. LED brightness is on a completely different scale than traditional incandescent lights and this can be confusing. Luckily LED manufacturers have translated for us and usually list a "Watt equivalent" rating. So you can look for the same ratings you are used to—40, 60, 75 or 100-watt bulbs. A 40-watt equivalent bulb is good for lower light needs, 60-watt for average uses and 75 or 100-watts for high lighting requirements—like in the kitchen or a working space with low natural light.



Light color. LEDs come in a few basic colors including "soft white", "bright white", "cool white" or "daylight"—each a bit brighter than the one before. For daytime use in work areas like a home office or the kitchen, a bright or cool white light are a good choice. For spaces used in the evening, or where lower light is preferred, a soft white creates a calmer and more relaxing environment. Many stores have lighting displays where you can see the different bulb colors and pick which one you prefer. Some new LED products include colored bulbs like blue or purple. With a smart light controller, you can even change the color of the bulb from your phone! Check out the Smart Lighting action for more info.

Size, shape & recommended use. LEDs come in a size that fits standard light fixtures. They also come in globe, can, flood and other sizes if you have a special fixture. Just look for the size that fits your light fixture. Some LEDs also come with a dimmer option. Make sure to choose one with



Carbon-Free Albany Platform

4 Choose the best settings and maintain your HPWH

Resources 2

Programs

Community Energy Services Corporation

CESC provides a variety of residential energy efficiency programs to Albany residents and businesses.

Rebate/Credit

Heat Pump Water Heater (HPWH) Pilot Program

Earn a rebate of \$1,500 when you replace a gas water heater with an Energy Star electric HPWH



Something for Everyone

One & Done

- Install Smart Thermostat
- Choose 100% Green Electricity
- Purchase Air Travel Offsets

Step it Up

- Buy or Lease and Electric Vehicle
- Install Solar Panels
- Install a Heat Pump Water Heater

On a Budget

- Take the Bus or Light Rail
- Turn Stuff Off
- Have a Say

Family Friendly

- Eat Lower Down the Carbon Chain
- Wash Clothes Wisely
- Reduce & Reuse





An Albany Family



Lower Thermostat:

Lower the thermostat setting 3 degrees in the winter



Eat Less Meat:

Replace one meal with meat/week with a plant-based meal



Combine Trips:

Drive 25 miles/week less by combining trips and errands



Reduce Air Travel:

Consider exploring close to home





An Albany Family

	Investment	Cost Savings/yr	Carbon Impact/yr
Lower Thermostat	\$0	\$20	210 lbs
Combine Trips	\$0	\$410	1,400 lbs
Eat Less Meat	\$0	\$100	1,830 lbs
Reduce Air Travel	\$0	\$400	1,600 lbs
	\$0	\$930	5,040 lbs





2020 Carbon-Free Albany Challenge

Challenge Goal by June 2020

250 Households

Reduce 100 Tons Carbon



2020 Carbon-Free Albany Challenge

1. Create an Account



Carbonfreealbany.org

2. Join a Team



3. Discover Your Impact



Complete Energy Profile

4. Create a Plan



5. Take Action! Reduce 5,000 lbs CO2



Welcome!

Join your neighbors, friends, family and coworkers to create a safer and healthier future.

English

Create an account to get started.

Already have an account? [Sign in.](#)

This is for **Albany residents only**, if you don't live in Albany, go [here](#).

E-mail *

Password * Password strength: _____

Confirm password *

Household Name *





Take Action and Help Create a Safer, Healthier Future and a Better Today

To get started, please select your city below to find your local challenge

- State -

- City -

Go



7,964

HOUSEHOLDS
PARTICIPATING



3,053

TONS CO2E
REDUCED/YEAR



4,444

ACTIONS COMPLETED



Join the Alameda County Climate
Challenge and help create a safer,
healthier future!

JOIN THE CHALLENGE

WHY JOIN? →



E-mail *

Password *

Password strength: _____

Confirm password *

Household Name *

Create a username for your Household.

First Name *

Last Name *

City *

Don't see your city? Go [here](#).



We'll help with tips on getting started and making an impact while having fun.

Join or create a Community Group and work with others in your community to support each other and increase your impact.

Find your Community Group below and click on Join or [create a new group](#).

Name	City	Members	
All Souls, Berkeley			Join community
BAM Science Superstars			Join community
Christ Church, Alameda			Join community
Cragmont Science Superstars			Join community
Ecole Bilingue de Berkeley			Join community
Good Shepherd, Berkeley			Join community
Holy Cross, Castro Valley			Join community
James Logan High School			Join community
Jefferson Elementary School Climate Rescue			Join community
John Muir Elementary, Berkeley	Berkeley, California	2	Join community

Join a Community Group

California ▾ Albany ▾ - Community groups - ▲

If you don't find your Community Group here, you can search by City for your Community Group.

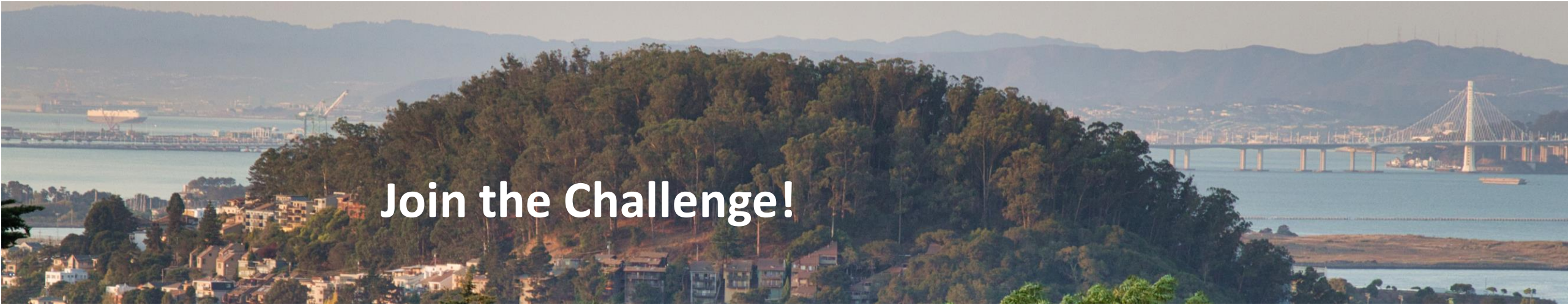
[- Community groups -](#)

- Albany Climate Action Coalition (ACAC)
- Albany High School
- Albany Middle School
- Albany Strollers & Rollers

[Join](#)

[Don't see your group?](#)





Join the Challenge!

Carbonfreealbany.org



**Community celebration
later this year!**

