



# Office of Climate Action, Sustainability & Resiliency

## 2024 Annual Report



# Table of Contents

03	Introductory Letter from Mayor Mike Johnston
04	Introductory Letter from Elizabeth Babcock, Executive Director, Office of Climate Action, Sustainability and Resiliency
05	Executive Summary
12	Engaging Every Denverite in Climate and Resiliency Solutions
15	Building Climate and Resiliency Solutions with Community Impact
22	Scaling Denver's Climate and Resiliency Innovations
26	Data and Transparency (Appendices)

# Listening, Daring, and Delivering on Climate Action in Denver

As we look back on 2024, I'm proud to share how Denver is leading the way on climate action—and how we're doing it hand in hand with our small businesses, building owners and communities.

Our approach is grounded in the values that guide our city: **Listen, Dare and Deliver.** We listen to our neighbors about the challenges they face. We dare to design ambitious, sustainable solutions that can be scaled locally, or even globally. And we deliver programs that meet community need and our climate ambitions.

In every neighborhood across our city, we're seeing proof that climate action can also mean economic opportunity, lower costs and stronger community resilience. We're working to make sure that the tools and technologies of a clean energy future are accessible to all—from the local restaurant cutting costs by switching to reusable service ware, to the apartment building owner installing a new electric heat pump system, to the small business upgrading to energy-efficient lighting and insulation.

Climate resiliency is not just a long-term vision; it is one of Denver's core priorities. That's why we're investing in tangible, neighborhood-scale projects like installing more clean energy systems in homes and businesses, planting and caring for new trees across the city, and expanding green workforce opportunities to train Denverites for clean energy jobs.

I hope this report gives you a glimpse into the incredible work happening across our city—and inspires you to get involved. Every connection we make around sustainability helps strengthen our city. Our actions and investments are adding up to real, measurable progress. Together, we are making Denver one of the most sustainable and resilient cities in the nation.

*Mike Johnston, Mayor, City and County of Denver*



# Creating Sustainable Change in Denver

I am honored to share the progress achieved by Denver’s Office of Climate Action, Sustainability and Resiliency (CASR) in fostering a healthier, more resilient and more equitable Denver. 2024 brought both challenges and inspiring momentum—proof that when we act boldly and together, we can create lasting change.

This report tells the story of a city meeting the climate crisis head-on. Across Denver, we’ve furthered our investments in clean energy, electrified transportation, planted more trees and built local partnerships. These are not isolated programs—they are a growing ecosystem of solutions rooted in science, grounded in equity and designed to meet the scale of the challenge before us.

In 2024, we continued our work to ensure that every Denver resident, regardless of income or ZIP code, has access to cleaner air, green spaces and healthier homes and buildings. We’ve deployed community-led cooling strategies, supported green workforce development and supported under-resourced building owners as they navigate pathways to become more energy efficient and save money. CASR is committed to ensuring that climate action and resiliency investments reach those in our community who need it most.

We also recognize that climate resilience is about more than infrastructure; it’s about people. From business leaders to neighborhood advocates, from youth organizers to city staff, the people of Denver have made it clear: We are ready to lead. And we must. That’s why CASR’s partnerships across the community remain central to our mission.

I’m incredibly proud of our team and grateful to Mayor Johnston, Denver’s City Council and partners across Denver’s agencies for their continued leadership, partnership and support. We have faced extreme weather, wildfire smoke and rising temperatures—and responded not only with short-term solutions, but with long-term strategies that strengthen our neighborhoods and prepare Denver for the future.

There is still much to do. But the progress we’ve made in 2024 gives us hope and a path forward. Thank you for joining us in building a more sustainable and resilient future for Denver.

Elizabeth Babcock, *CASR Executive Director*



# Executive Summary

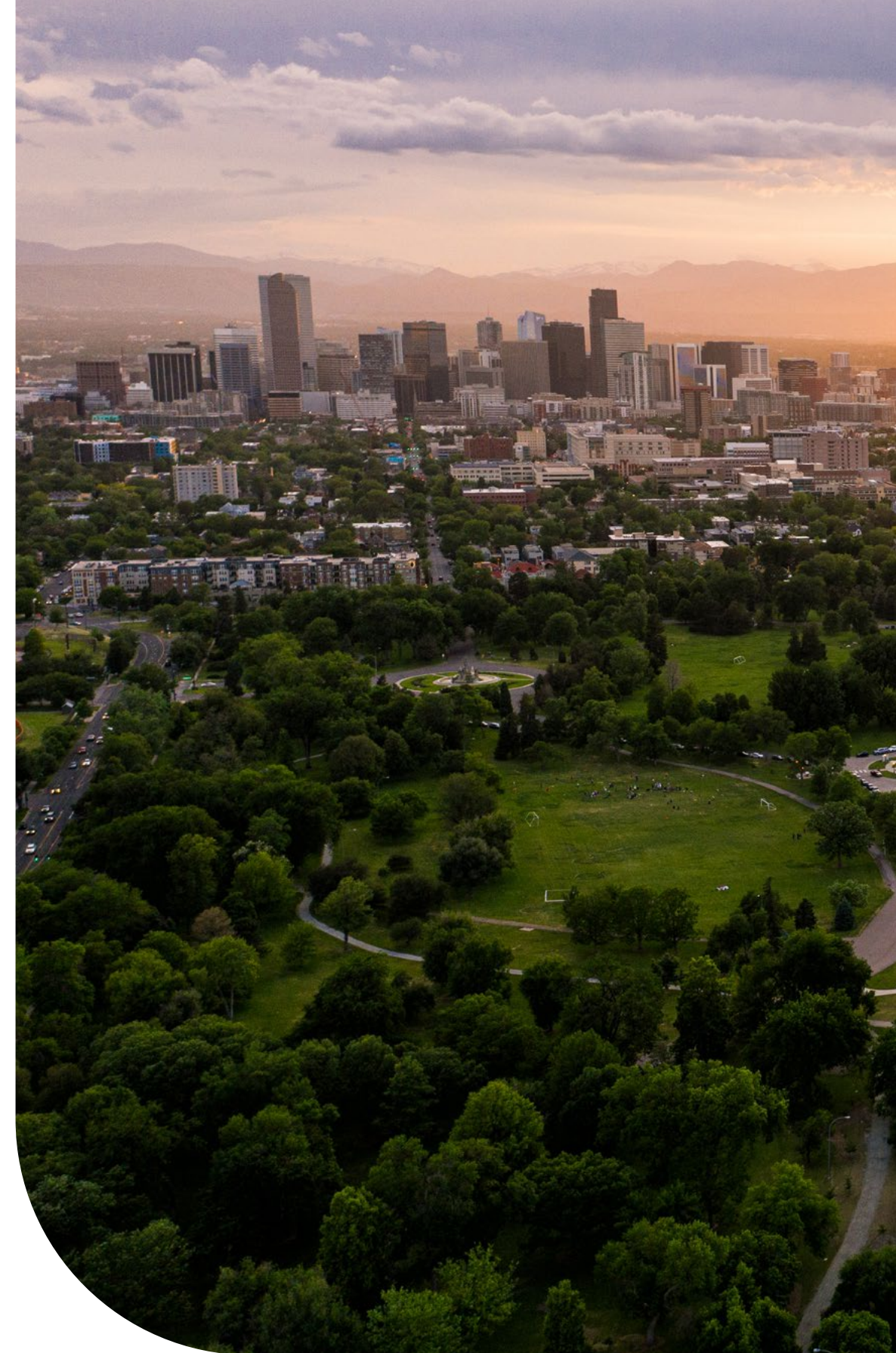
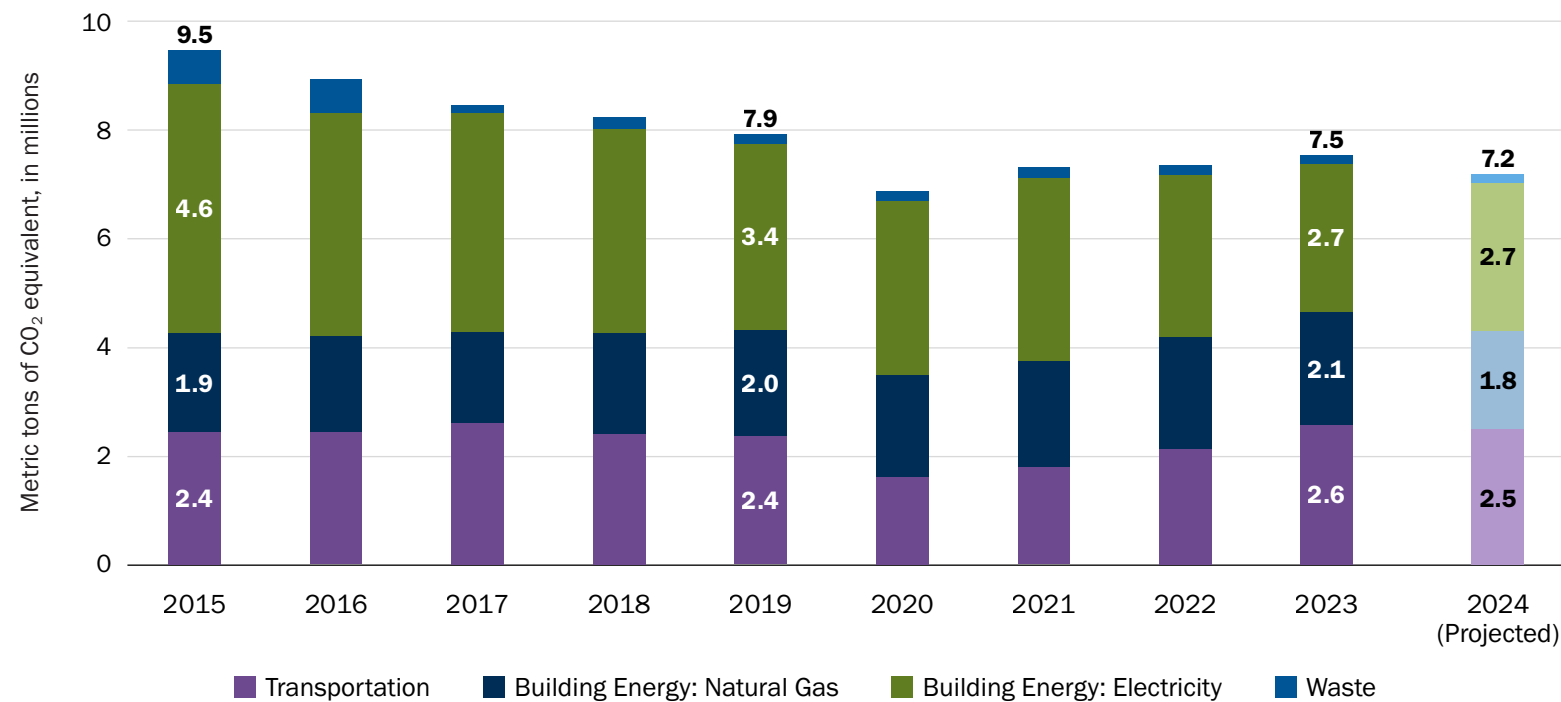


**In Denver, we believe that the climate crisis is solvable. Together, we are the ones to solve it.**

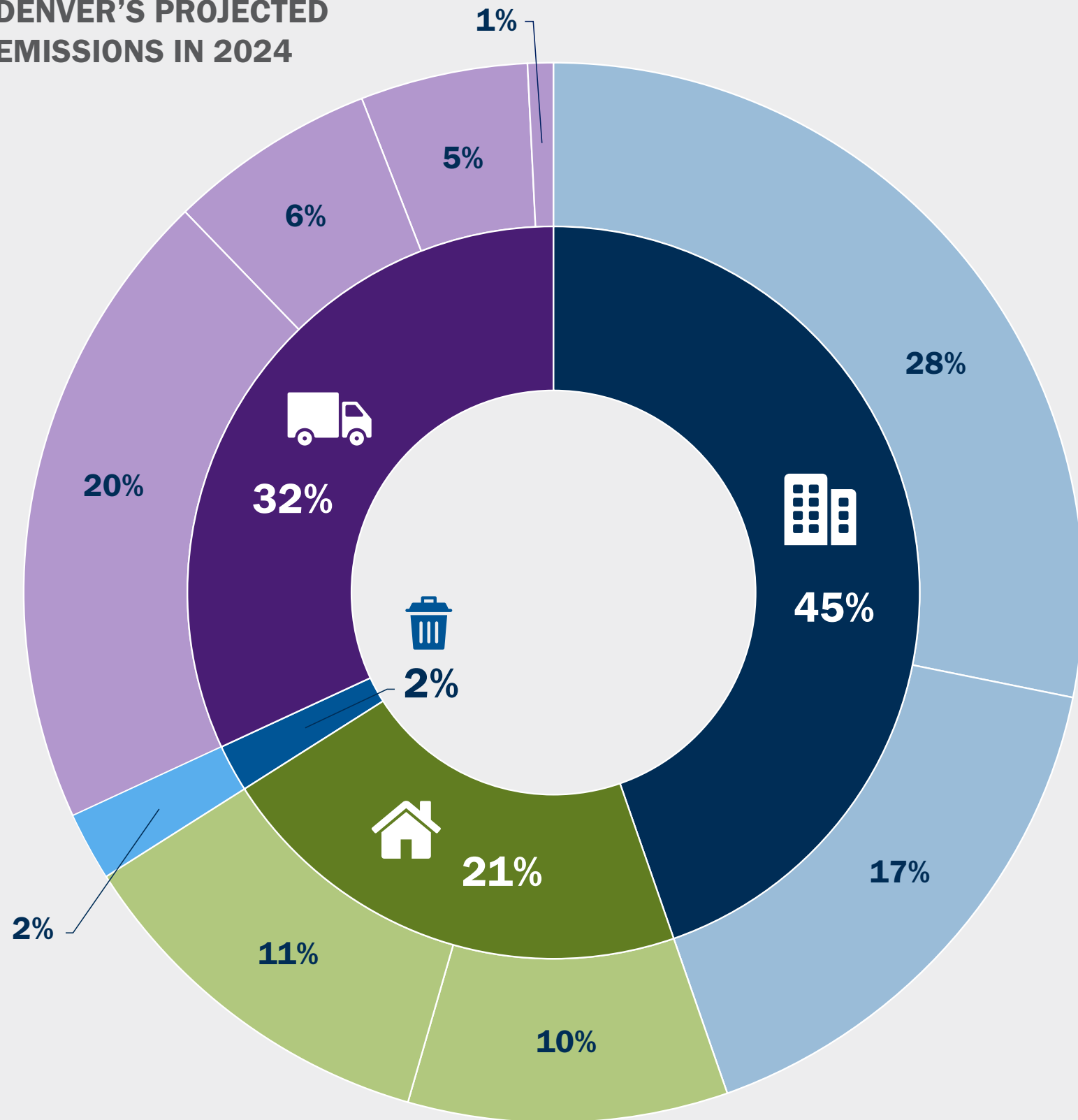
In 2024, Denver's Office of Climate Action, Sustainability and Resiliency (CASR) continued its commitment to solutions that improve people's lives while creating meaningful outcomes that reduce pollution and increase resiliency to climate change.

There is reason for optimism as we work to solve the climate crisis together: Denver's greenhouse gas emissions have gone down by approximately 18% from 2015 to 2024.

## DENVER GREENHOUSE GAS EMISSIONS OVER TIME



# DENVER'S PROJECTED EMISSIONS IN 2024



## Transportation

- 20%** On-Road Gasoline
- 6%** On-Road Diesel
- 5%** Other
- 1%** On-Road Electricity

## Commercial & Industrial Buildings

- 28%** Electricity
- 17%** Natural Gas

## Residential Homes

- 10%** Electricity
- 11%** Natural Gas

## Waste

- 2%** Landfill Waste

**DENVER CLIMATE ACTION BY THE NUMBERS. IN 2024:**



**539,261 metric tons**

of carbon pollution projected to be reduced through 2040, the equivalent of planting 8.9 million trees



**1,791**

clean energy systems were installed at homes, businesses and nonprofits



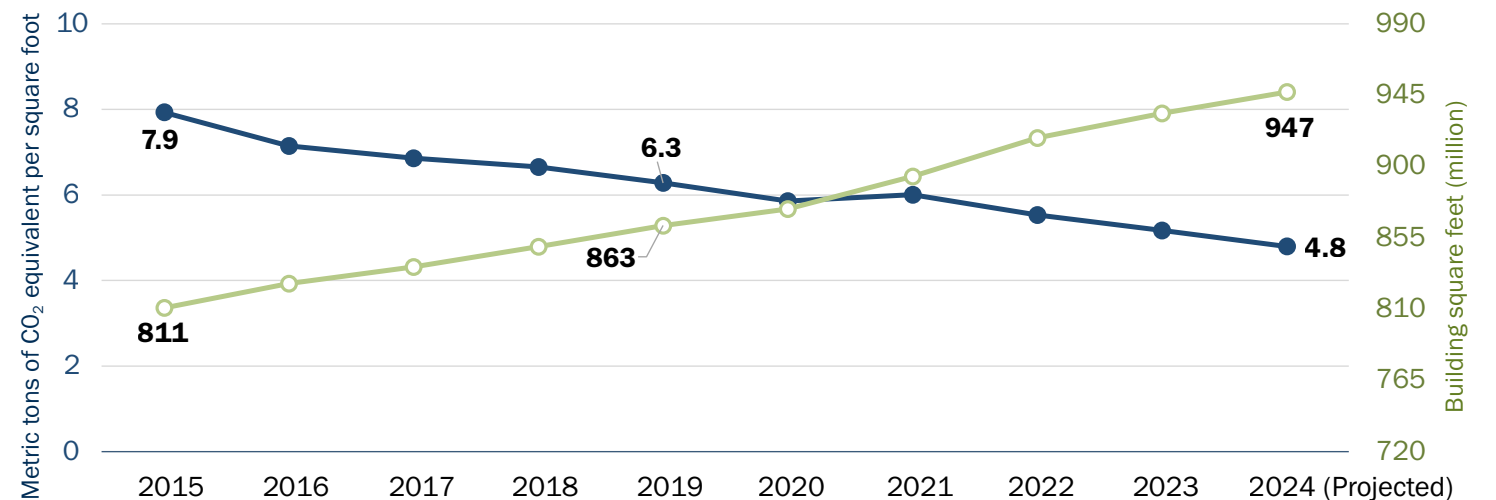
**Supported 3,873**

buildings through the Energize Denver help desk as they became more energy efficient

Denver is one of the few municipalities across the United States with funding dedicated to climate action and resiliency. The Climate Protection Fund (CPF) is funded through a 0.25% sales tax increase approved by Denver voters in 2020. The dollars collected through this fund are reinvested into the community to build resiliency and mitigate greenhouse gas emissions, with a focus on equity.

Innovation and collaboration will be essential as Denver scales up solutions to meet the city’s ambitious climate goal to eliminate greenhouse gas emissions by 2040. Most of Denver’s carbon pollution comes from how we get around and how we heat, cool and power our homes and buildings. The policies and programs developed by CASR are accelerating the transition to cleaner, healthier homes, buildings and vehicles powered by renewable energy sources like solar and wind. We root our programs, partnerships and policies in outcomes that can deliver near-term benefits as well as long-term emissions reductions.

**DENVER BUILDING GREENHOUSE GAS EMISSIONS PER SQUARE FOOT OVER TIME IN COMPARISON TO TOTAL BUILDING SQUARE FOOTAGE**



As square footage in Denver’s built environment has grown in the past decade, greenhouse gas emissions associated with those buildings have gone down. This is due to the delivery of cleaner electricity and more efficient buildings.

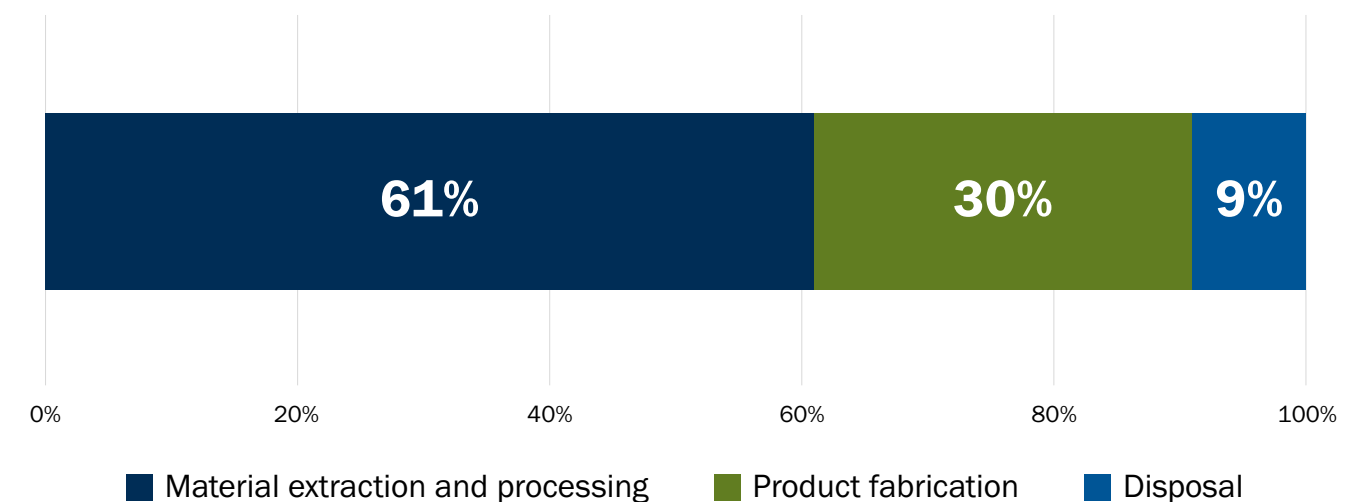
## WHAT ABOUT WASTE?

Methane and other greenhouse gases emitted from landfills comprise approximately 2% of the city’s overall greenhouse gas emissions, but there’s more to the story. Denver’s landfill emissions alone don’t demonstrate the full climate impact of the things we buy and throw away in Denver. Most emissions from products and materials we consume happen earlier in their lifecycle—during raw material extraction, processing, manufacturing and shipping. Just as these impacts occur prior to the landfill, the opportunities for reducing these impacts are also much further upstream in the supply chain. Although Denver does not report on these consumption-based emissions separately, our programs are focused on reducing these “upstream” emissions and moving toward a more circular economy — where waste and pollution are minimized and materials are reused.

**Our vision is to build a carbon pollution-free, sustainable and climate-resilient Denver for all. Our work is guided by the community, rooted in equity and driven by data and science.**



PLASTIC PRODUCT LIFECYCLE GHG EMISSIONS BY STAGE



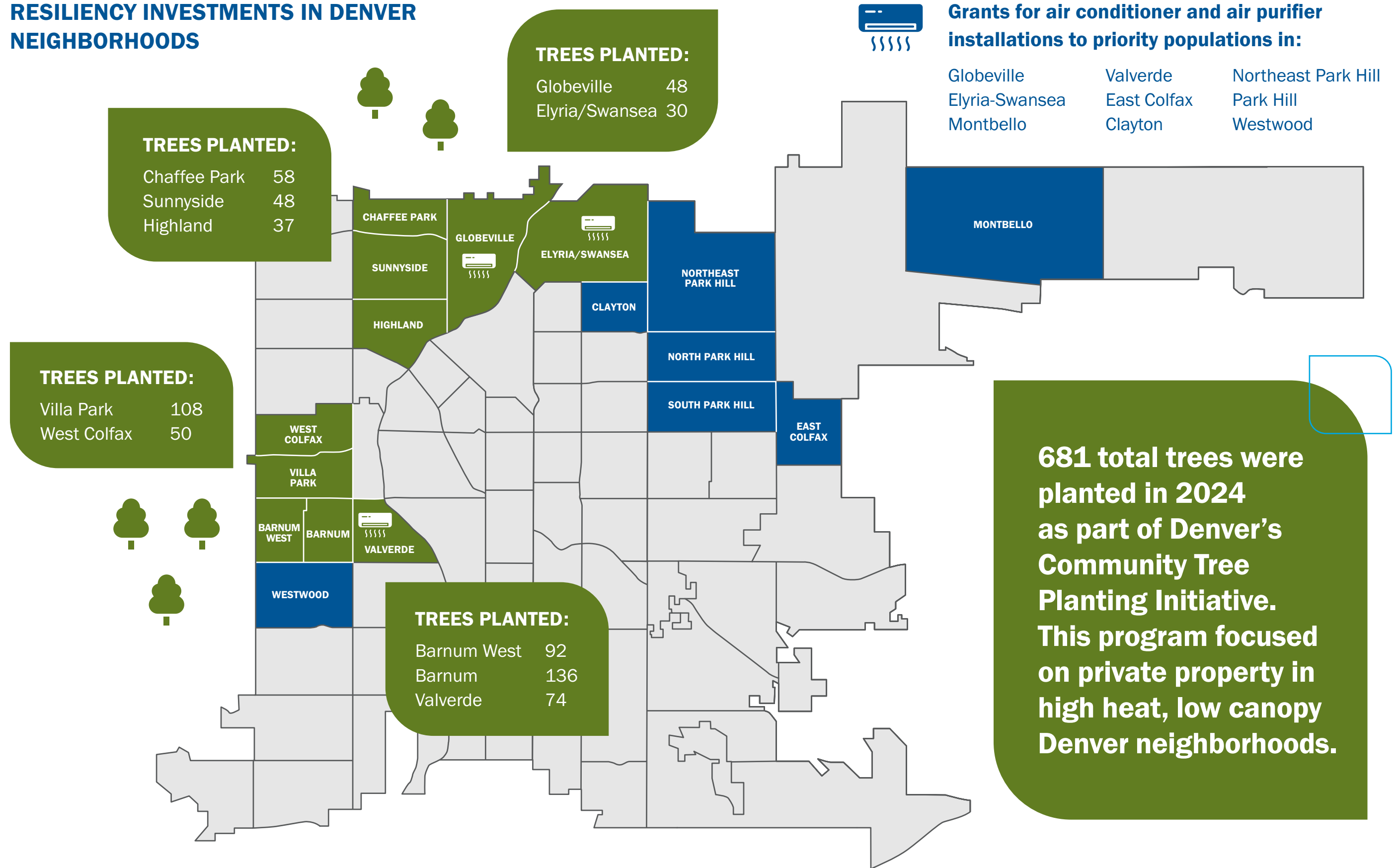


Denver is already experiencing the impacts of climate change; the city experienced its second hottest summer on record in 2024. Denver is seeing more extreme heat days than ever before, posing an increasing threat to public health and safety, particularly for vulnerable populations. CASR, Denver’s Department of Public Health and the Environment (DDPHE) and Office of Energy Management (OEM) initiated the city’s 2024 Heat Summit series to identify gaps in services to the community and opportunities to address extreme heat. The Summits also identified immediate areas to take action, including consolidating information about extreme heat preparedness on the city website, expanding the urban tree canopy and developing a cooling and air purifier pilot program.

## DENVER’S HEAT SUMMITS ENGAGED MORE THAN 50 PARTICIPANTS

-  **32** representatives from community-based organizations
-  **16** city agencies
-  **6** businesses
-  **3** other government entities
-  **2** academic institutions

# RESILIENCY INVESTMENTS IN DENVER NEIGHBORHOODS



# CASR’s waste reduction programs—including plastic bag swaps, implementation of the bag fee and support programs for businesses have resulted in:



**290,000**

pounds of plastic bags avoided



**971,391**

disposable service ware items—such as plates, cups, ramekins and utensils—avoided



Our work extends beyond cutting pollution and developing long-term resilience to climate change impacts. Advancing sustainability by reducing the use of natural resources and creating a circular economy is essential for the vibrancy and health of our city. By reimagining our consumption practices and how materials are created and used, and by reducing single-use waste, we can lower pollution, reduce water consumption and protect the natural world.

In 2023, Denver businesses that help people buy used, rent or repair items employed more than 3,000 people and contributed \$540 million to the economy annually. In 2024, CASR launched a Reuse Business Directory online to help Denverites connect with those businesses so they can reduce waste through reuse.

CASR has also piloted efforts to support event organizers, businesses and everyday Denverites to reduce single-use items and recycle more. For instance, more than 1,100 Denverites connected with CASR in the summer of 2024 to swap their plastic bags for reusable options.



# Engaging Every Denverite in Climate and Resiliency Solutions

While systems-level change is at the heart of CASR's work, individual Denverites play a major role in shifting the culture of taking sustainable actions and talking to neighbors about climate change.

People are more inclined to change behaviors when they learn from or connect with their neighbors, and CASR used this approach to connect more Denverites with climate action and resiliency solutions. From 2022 through 2024, CASR implemented its first-ever Community Climate Ambassadors/Promotoras Climáticas program. CASR contracted with five community-based organizations (CBOs) to each design and implement a two-year campaign to engage climate-vulnerable neighborhoods in West, North and Northeast Denver.

The neighborhood campaigns aimed to engage people in Denver most affected by climate change and pollution, focusing on education and reducing barriers to action on extreme heat and water scarcity. Over two years of campaigning, the Community Climate Ambassadors/Promotoras Climáticas reached more than 140,000 Denverites at neighborhood events, trainings, rain barrel and tree planting workshops and more.


In addition, the Institute for the Built Environment (IBE) at Colorado State University worked with the community-based organizations to administer baseline and post-campaign (Year 2) surveys to measure the impact of the engagement.

Survey results from the conclusion of these pilot campaigns in 2024 indicated that a community-led approach around climate and resiliency led to:

- **Increases of up to 20% in the proportion of respondents who strongly agreed that their personal actions can make a difference.**
- **Increases of up to 30% in the proportion of respondents receptive to taking action.**
- **At least half (and in some neighborhoods nearly 100%) of respondents who had already taken action said the community-based organization's programs influenced them to make that decision.**

CASR prioritizes engaging every Denverite in climate solutions to ensure a vibrant, prosperous city for generations to come.


**SUSTAINABLE ACTIONS MADE POSSIBLE THROUGH CASR PROGRAMS IN 2024**



**1,063**  
heat pumps installed




**244**  
solar arrays installed



**1,394**  
new e-bikes purchased with a Denver rebate in 2024, bringing the total number of e-bikes purchased with a Denver rebate to **9,411** since 2022



**40,000 Denverites**  
in climate vulnerable neighborhoods attended an in-person or online engagement event hosted by the Community Climate Ambassadors/Promotoras Climáticas



**511**  
home electric vehicle (EV) chargers installed



More than  
**1,100 Denverites**  
brought over **57,000 plastic bags** to CASR's **13 Plastic Bag Swap events**



**340**  
Denver households planted a total of **681 trees** on their properties



**1,000,000**  
estimated car trips replaced by an e-bike trip from Denver e-bike rebate redeemers



## MEET DAN— A HAPPY HEAT PUMP OWNER

When Dan Esposito’s furnace and swamp cooler broke, he started to consider an energy efficient, all-electric heat pump, which could both heat and cool his home, but was concerned about cost. Dan learned about Denver’s residential heat pump rebate program and qualified to get his new all-electric equipment installed at a reasonable price for his family, thanks to a discount from the city. After installing a heat pump in his home, Dan did one of the next best things you can do to cut emissions—he told his story.

“As we clean up our electricity grid, the more that we are relying on electricity for our heating and cooling, the better off we’re going to be over the long term,” Dan told Denver’s ABC affiliate Denver7 in January 2025. About his heat pump’s performance in the winter, he said, “It’s been amazing, and the best compliment I can give it is that I really haven’t thought about it.” Dan also said his energy bills have stayed stable since the installation of his heat pump, protecting his pocket book from the impacts of volatile gas prices on monthly bills.

# Building Climate and Resiliency Solutions with Community Impact

Climate change impacts everyone—but some communities are hit harder than others. That’s why CASR partners with communities to reduce pollution and create ways to adapt and thrive in the face of a changing environment.

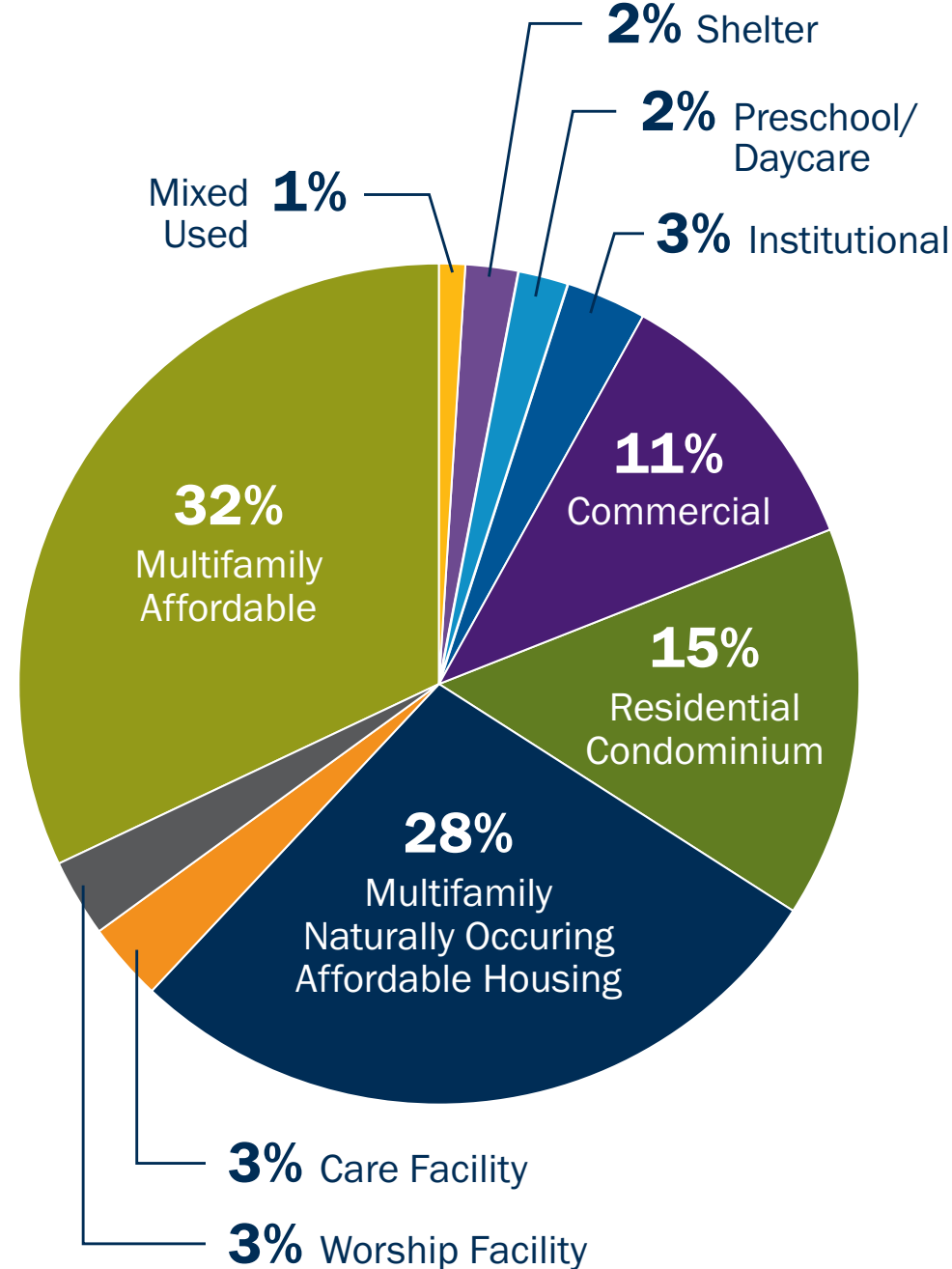
CASR strives to develop programs, policies and partnerships that are responsive to community needs and improve lives.

With buildings responsible for nearly 66% of Denver’s greenhouse gas emissions, a multi-pronged approach is essential to help the community reduce energy use and transition away from fossil fuels for heating and cooling.

[Energize Denver, a building performance policy adopted by Denver’s City Council in 2021](#), requires existing buildings 5,000 square feet or larger to reduce their energy use. In 2024, after hearing from building owners and facility managers about compliance challenges, CASR developed plans to offer more support and flexibility to help them meet the policy’s requirements.

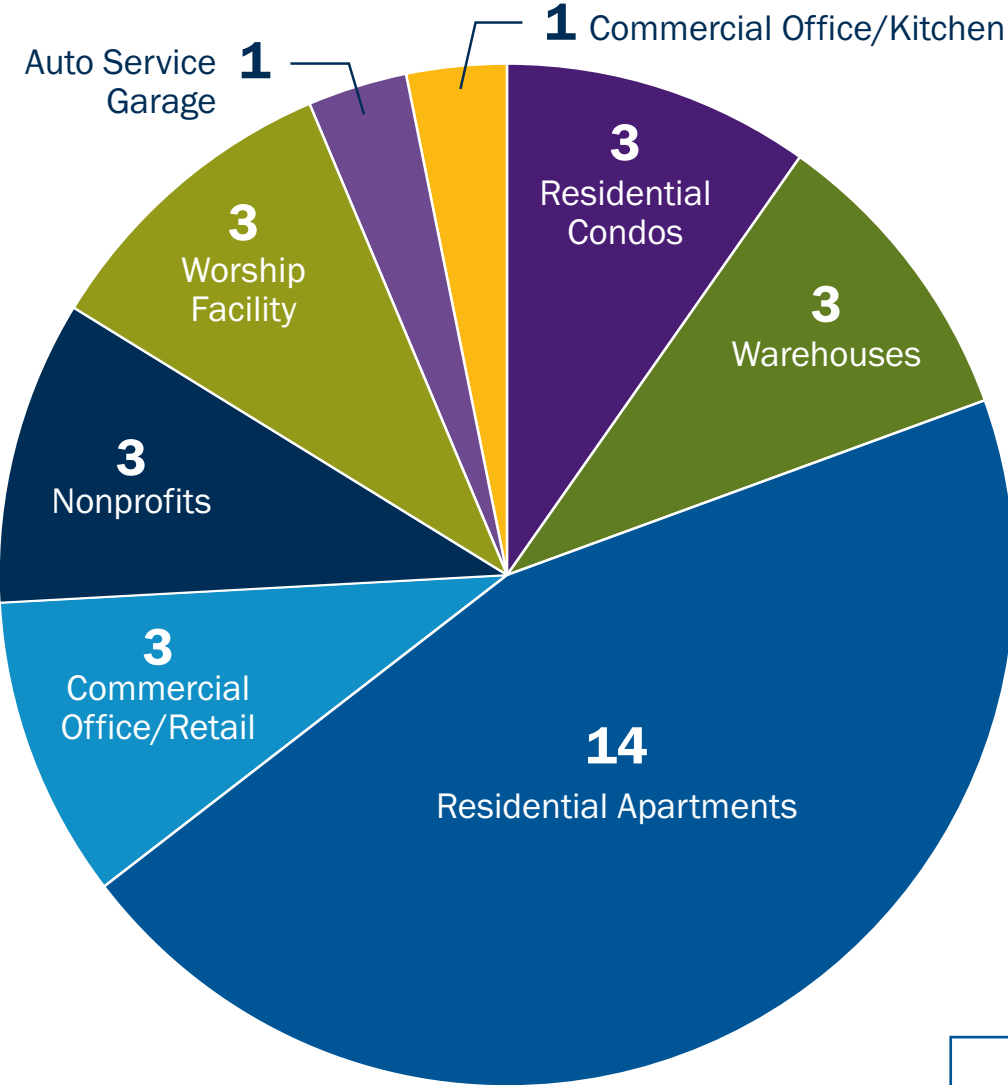
Support for building owners has always been a key component of implementing the Energize Denver Building Performance Policy. The city has a multi-year history of supporting under-resourced buildings like affordable housing, childcare providers and others through CASR’s navigation services for building owners.

UNDER-RESOURCED BUILDINGS SERVED BY DENVER CASR NAVIGATION SERVICES IN 2024



In 2024, CASR also launched the Energize Denver Energy Navigation (EDEN) program, which supports 31 building owners with technical and financial assistance to improve energy efficiency and reduce pollution. The program has helped small building owners reduce energy usage an average of 20% and unlock access to an average of \$42,375 in incentives for energy efficiency upgrades.

**SMALL BUILDINGS SERVED BY DENVER'S ENERGIZE DENVER ENERGY NAVIGATION PROGRAM**



As Denver works with building owners and managers to improve energy efficiency, the city is also investing in pilot programs to support a switch from gas-fired heating and central cooling to all-electric. An estimated 30% of Denverites do not have access to cooling in their living spaces. All-electric heat pumps enable community members to reduce indoor air pollution from gas appliances in addition to providing cooling.

In summer 2024, the Denver Housing Authority's Dispersed West Public Housing began using new heat pumps for cooling and heating. After years of relying on window units and fans, residents of the 17-unit complex received central cooling through Denver Housing Authority's (DHA) first full multi-family electrification project, which was completed by Energy Outreach Colorado. The City and County of Denver and Xcel Energy partnered to fund the \$661,000 project.

"DHA's first full electrification retrofit stands as a powerful example of what's possible when climate investment meets community need," said Luke Ilderton, Executive Director of Energy Outreach Colorado. "This project simply would not have been possible without the critical funding from Denver's Climate Protection Fund."



Thanks to this investment, we were able to transform aging infrastructure into a high-performing, all-electric building while improving indoor comfort and air quality for residents. Projects like this preserve affordable housing in a rapidly changing urban market, ensuring that Denver's clean energy transition is both inclusive and equitable."



CASR collaborates with community members and the Department of Transportation and Infrastructure (DOTI) to address another major challenge—transportation—at a hyperlocal level. Helping Denverites feel safe replacing car trips with biking and walking is an essential component of the city’s goals to cut transportation pollution.

## **WALK AND ROLL IN WEST DENVER**

Representatives of CASR, DOTI and the West Colfax Association of Neighbors (WeCAN) did a “walk and roll” in early 2024 to identify barriers to safe pedestrian experiences in the West Colfax neighborhood. The neighbors helped design a vision for a new green infrastructure project that would best serve people and the community by making the neighborhood more walkable, rollable, beautiful and resilient.

In October 2024, DOTI, CASR and WeCAN hosted a volunteer event to bring the vision for a more pedestrian-friendly, resilient streetscape to life. With support from neighborhood volunteers, the city replaced water-intensive turf grass with green infrastructure along two intersections on West 14th Avenue. Twenty-two trees were planted at the community event on West 14th Avenue between the two intersections, along with native grasses and hundreds of perennials. The installations provide pollinator habitat and demonstrate sustainable planting methods that neighbors can replicate to mitigate heat and improve the quality of the water that runs to the South Platte River.



## REUSE DENVER



### 27 Denver retail

food establishments that offer on-site dining participated in CASR's Reuse Denver program



Each participating food establishment **reduced an average of 35,456 disposable items** and **saved \$3,600 annually** by avoiding purchasing disposable items



### Saved \$97,304

from avoided purchases of disposables



### Prevented 957,322

disposable food service ware items from being purchased and entering the waste stream annually

Investing in community resilience also means investing in businesses, and one of CASR's big success stories this year was the pilot Reuse Denver program.

The food service industry uses nearly 1 trillion pieces of disposable food service ware each year. Studies show that reusables are better for the environment than any single-use product, no matter the material type.

The Reuse Denver pilot program connected small restaurants and cafes with waste diversion experts and funding to replace single-use service ware with reusable forks, knives, cups, ramekins and more. The goal of the pilot program was to help small businesses save money, reduce single-use food service products and create a better dining experience for customers. By eliminating single-use dishware and disposable cups, Hamburger Mary's, which participated in the Reuse Denver pilot program, reduced its waste production by 40% without increasing labor costs.



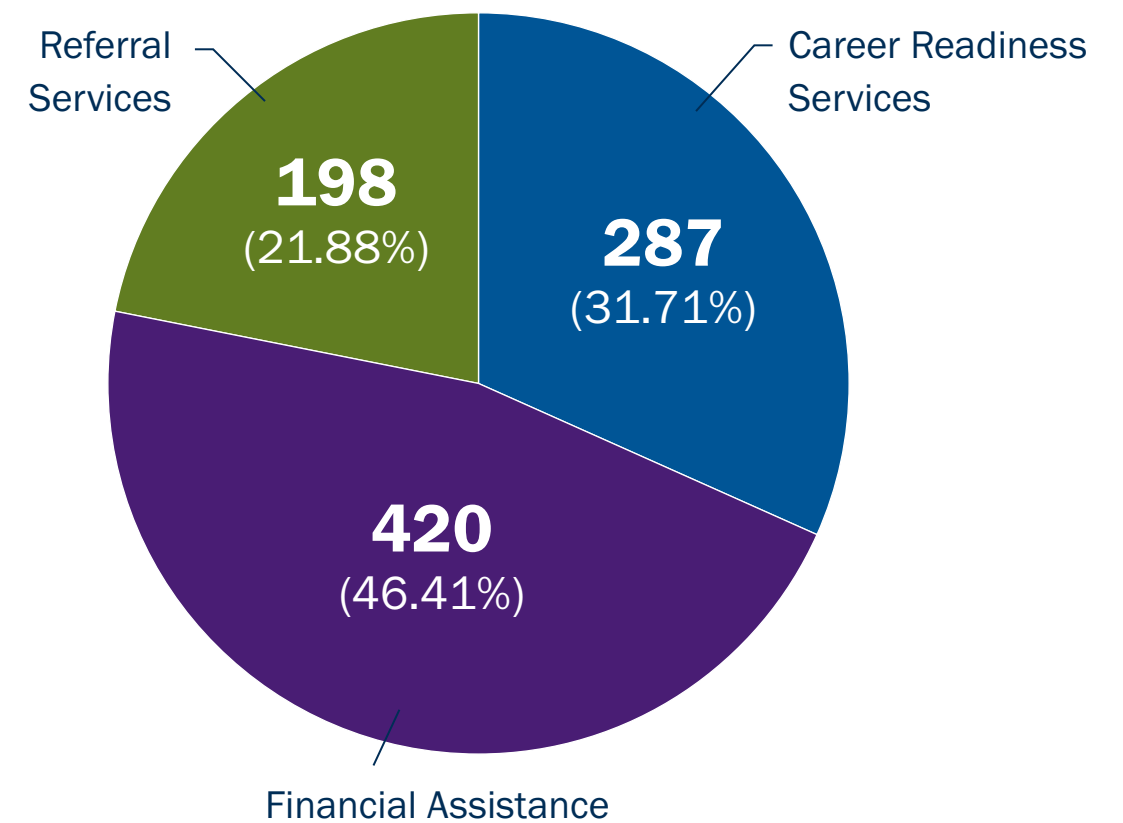
Denver’s clean energy transition relies on a trained workforce, and CASR is making it possible by funding training programs and creating family-sustaining jobs in fields like solar and heat pump installation, EV maintenance and natural resource management —helping build a healthier city for all. Denver is working to bring green workforce opportunities to the communities that need them the most by reducing barriers to employment, including for justice-involved individuals, veterans and workers who are in transitioning industries.



### GREEN WORKFORCE DEVELOPMENT IN 2024

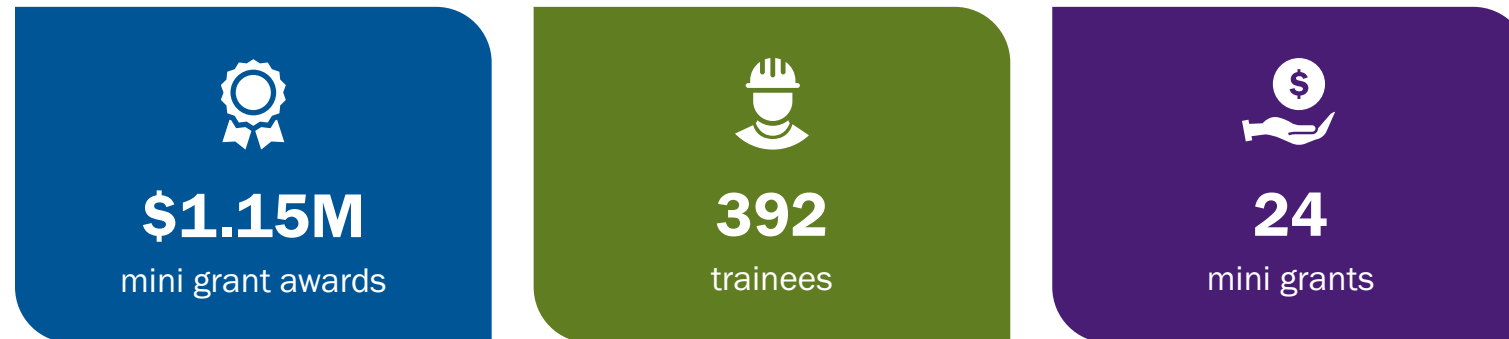


### Supportive Services Provided

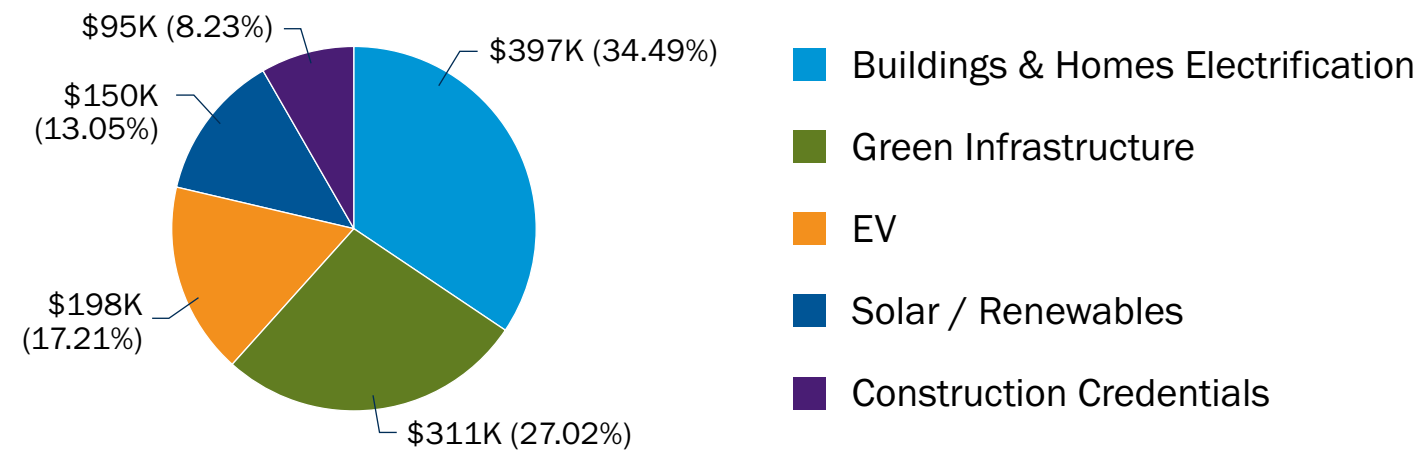


## GREEN WORKFORCE MINI GRANTS IN 2024

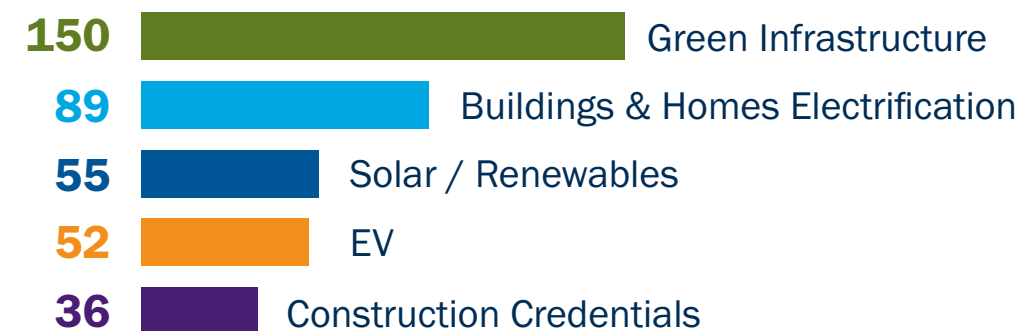
The Green Workforce Mini Grant program offers Denver businesses and nonprofits the opportunity to pilot innovative new green workforce training programs, with awards of up to \$50K per program.



### Awards by Industry



### Trainees by Industry



# Scaling Denver's Climate and Resiliency Innovations

Denver's voter-approved Climate Protection Fund is one of three dedicated municipal funding streams focused on climate and resilience in the United States. In 2024, the [American Council for an Energy Efficient Economy \(ACEEE\)](#) recognized Denver as the #2 city nationally for its clean energy policies. As a national leader on climate action, Denver prioritizes high-impact opportunities to innovate and partners at both the local and national levels to scale the impact of its strong climate policies and programs.



## DENVER'S PROGRAMS AND ADVOCACY EXPONENTIALLY INCREASES DOLLARS AVAILABLE FOR CLEAN ENERGY



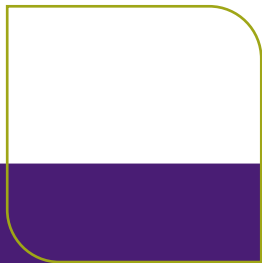
Denver demonstrates early success in residential and commercial heat pump rebates, distributing thousands and helping the community switch from gas to electric



Using early program adoption data, CASR advocates for more utility-scale clean energy investments at the Colorado Public Utility Commission, including in the following dockets:  
Clean Heat, Transportation Electrification, Steam Resource Plan and Demand Side Management



Denver's advocacy helped secure an average of **\$292 million per year through 2026** for more heat pumps, more efficiency, EV charging and clean energy across Xcel Energy's service territory



## HARVESTING SUNSHINE TWICE: CLEAN ENERGY AND CROPS THRIVE AT CHATFIELD FARMS

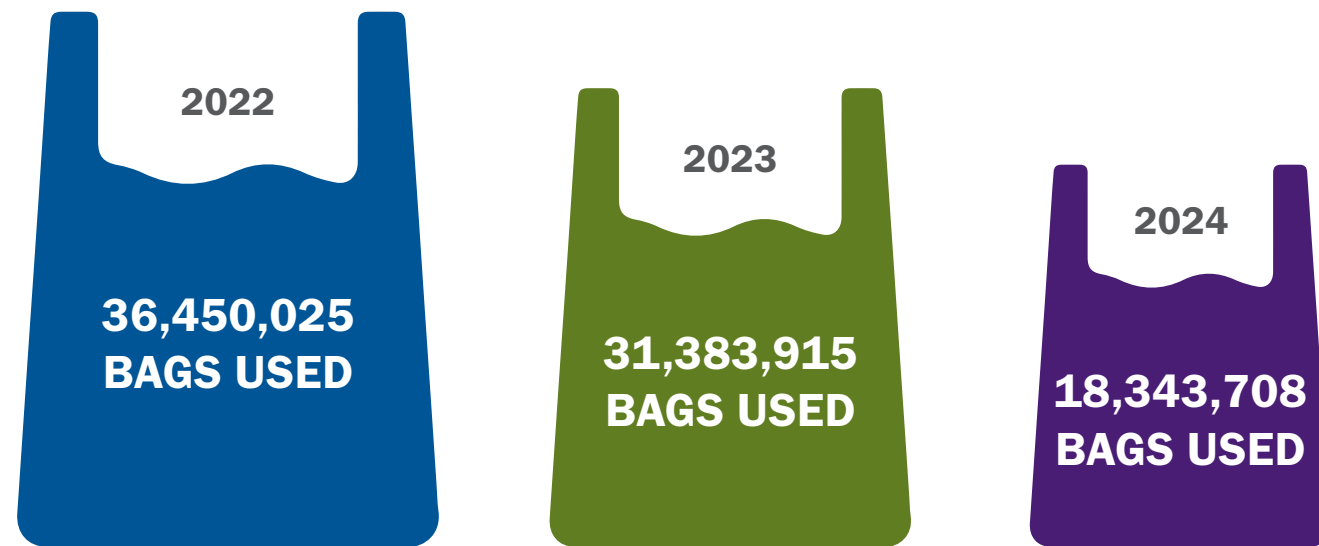
In September 2024, Mayor Mike Johnston and Governor Jared Polis celebrated the launch of one of the nation's largest agrivoltaics projects at Denver Botanic Gardens Chatfield Farms. It's one of 15 municipally owned community solar gardens that came online in 2024. Funded by Denver's Climate Protection Fund, the project combines crop production with solar panels, providing shade for plants and pollinators while generating enough clean energy to power all of Chatfield Farms and lower energy bills for 186 Denver families.

The impacts of the Chatfield Farms agrivoltaics project go beyond clean energy; it will also serve as a laboratory for the impact of solar panels on food production. When the crops beneath the solar array begin producing, the city anticipates yielding 90,000 pounds of fresh vegetables and herbs annually to supply local food pantries and free grocery programs. Finally, the construction of the Denver Botanic Gardens Chatfield Farms solar project provided African American Trade Association electrical apprentices with 480 on-the-job green workforce training hours, boosting the impact of this project even further.



Denver's administration of its disposable bag fee prepared Denverites well for statewide bans on plastic bags that went into effect in 2024. Since Denver's bag fee was introduced, Denverites have made major strides in cutting their disposable bag use. Because of the Disposable Bag Fee, Denver has **reduced consumption of disposable bags in retail stores by about 47%.**

#### IMPACT OF BAG FEE ON REDUCING DISPOSABLE BAGS IN DENVER:



- With the exception of 2021, for which we only have half of the year's data due to the implementation date of the bag fee ordinance, there is a clear downward trend in disposable bags reported and fees collected by the city. This, in turn, has contributed to an annual decrease in revenue, which is an indicator of success for this program.
- Denver used the Disposable Bag Fee fund to provide more than 40,000 reusable bags to Denverites and to fund multiple programs to support our community in the transition away from single-use waste, including financial and technical support for implementing reusable service ware at local restaurants and events.
- We surveyed Denverites during the summer of 2024: roughly 80% reported bringing their own reusable bags to the store because of Denver's Disposable Bag Fee policy.

**Denverites used 24 million fewer plastic bags in 2024 than they did in 2022.**



# Conclusion

As we look ahead, one thing is clear: climate action is a collective effort. Every community member, business and neighborhood can play a role in shaping a vibrant and climate resilient Denver. Whether just starting to figure out how to take more sustainable steps for your business or home, or already leading change in your community, there are many ways to get involved, stay informed and make an impact.

## STAY CONNECTED

- Subscribe to CASR’s monthly newsletter to stay up to date on climate programs, funding opportunities, policy updates and community events. Sign up at [www.denvergov.org/sustainability](http://www.denvergov.org/sustainability).
- If you have more questions for CASR about programs, funding or Denver’s climate action, you can email the office any time at [sustainability@denvergov.org](mailto:sustainability@denvergov.org).
- If you’re a building owner who needs support navigating the Energize Denver Building Performance Policy, you can reach out to [EnergizeDenver@denvergov.org](mailto:EnergizeDenver@denvergov.org).

## TAKE ACTION AT HOME

- **Learn new skills:** Explore training, apprenticeship and career-switching opportunities that can connect you with great jobs in fast-growing industries, offered by CPF-supported [Green Workforce Development](#) programs.
- **Peak performance at home:** If your home AC, furnace or hot water heater are more than ten years old, get a [home energy audit from Xcel Energy](#) to find out if they’re as efficient as they should be.
- **Plant a tree:** To help shade your home—and provide a home for birds and other wildlife—get an affordable tree that will thrive in our climate from [Denver Digs Trees](#).



## BUILD A GREENER DENVER

- **Climate-friendly incentives and navigation for building owners and developers:** The city currently [offers incentives](#) to install heat pumps in new construction or existing buildings, design and build all-electric Passive House buildings, and upskill your staff to be better equipped for green building.
- **Green your business:** Community organizations and small businesses can apply for [Certifiably Green Denver Small Business Funding](#) to cover the costs of a broad range of sustainability improvements related to energy efficiency, waste diversion, sustainable mobility and water conservation.

Together, we can build a climate resilient future where every Denverite can thrive.

# Appendix

## APPENDIX A: GREENHOUSE GAS ANALYSIS

Program	Intervention	Number of Measures	Measure Units	GHG Emission Savings (2024 - 2040) (mt CO2e)	GHG Emissions Reduction Equivalence to Tree Seedlings Grown for 10 years	GHG Emissions Reduction Equivalence to Gasoline-Powered Passenger Vehicles Driven for One Year	2024 Program Costs
Buildings - Programs	Healthy Homes	190	Unique Upgrades	1,022	16,893	238	\$868,373
Buildings - Programs	CARE: Home Energy Rebates	1,664	Equipment Pieces Installed	26,040	430,570	6,074	\$4,424,789
Buildings - Programs	Existing Commercial Building Electrification Pilots	51	Buildings Electrified	3,427	56,660	799	\$3,905,299
Buildings - Programs	All Electric New Building Pilots	3	Number of Pilot Projects	3,693	61,059	861	\$277,758
Buildings - Policy	Energize Denver - Building Performance Policy <sup>1</sup>	NA	NA	254,785	4,212,898	59,430	\$3,651,564

1. Energize Denver emission reductions reflects an analysis of the weather normalized energy savings from covered buildings based on reported data in 2023 and 2024. These annual savings are assumed to continue through 2040 (i.e., assumes any efficiency measures will continue to provide savings against the baseline state for years to come). Recent updates to these policies will change the impact of these measures. Until additional modeling is completed, the existing model results will be used.

<b>Program</b>	<b>Intervention</b>	<b>Number of Measures</b>	<b>Measure Units</b>	<b>GHG Emission Savings (2024 - 2040) (mt CO2e)</b>	<b>GHG Emissions Reduction Equivalence to Tree Seedlings Grown for 10 years</b>	<b>GHG Emissions Reduction Equivalence to Gasoline-Powered Passenger Vehicles Driven for One Year</b>	<b>2024 Program Costs</b>
Buildings - Policy	Denver Energy Code	NA	NA	128,500	2,124,760	29,973	\$82,987
Buildings - Policy	Green Buildings Ordinance <sup>2</sup>	142	Buildings	92,718	1,533,108	21,627	\$18,079
MET	CARE: EVSE	334	EV charging ports	5,235	86,559	1,221	\$404,585
MET	CARE: E-Bikes	1,394	E-bikes	5,161	85,345	1,204	\$1,625,631
MET	CARE: Solar	361	Solar projects	993	16,420	232	\$629,653
MET	RRIP <sup>2</sup>	2	EV charging ports and solar projects	695	11,497	162	\$4,152,823
MET	Green Fleet	2	EVs purchased	333	5,505	78	\$116,000

2. Per CASR, no actual costs were incurred from 2021 - 2023 for the Green Buildings Ordinance.

Program	Intervention	Number of Measures	Measure Units	GHG Emission Savings (2024 - 2040) (mt CO2e)	GHG Emissions Reduction Equivalence to Tree Seedlings Grown for 10 years	GHG Emissions Reduction Equivalence to Gasoline-Powered Passenger Vehicles Driven for One Year	2024 Program Costs
MET	RDCS <sup>3</sup>	1	EV charging ports and solar projects	14,042	232,180	3,275	\$9,543,270
MET	SOL	11	Solar projects	304	5,026	71	\$2,506,706
MET	Solar Switch	123	Solar projects	2,280	37,707	532	\$239,787
Zero Waste	Reuse Denver	957,322	Reusables materials distributed	1	9	0	\$43,595
Zero Waste	Disposable Bag Fee <sup>4</sup>	198,354,505	Number of bags reduced	32	524	7	\$(972,050)
<b>Total</b>				<b>539,261</b>	<b>8,916,720</b>	<b>125,786</b>	<b>\$31,500,770</b>

3. These programs have Renewable Energy Credits (RECs) retained by Xcel. The summary table includes the GHG emissions reductions from all programs, regardless of REC status; however, note that Denver cannot directly claim the emissions reductions from interventions where RECs are owned by Xcel Energy.

4. Costs for the disposable bag fee intervention include costs to run the program and revenue gained through the program. Negative costs indicate revenue gained from this intervention. Abatement costs are not included for this policy intervention due to its minimal GHG impact.

# APPENDIX B: GREEN BUILDINGS ORDINANCE REPORT

---

## OVERVIEW

The Green Buildings Ordinance (GBO), a partnership between Community Planning and Development (CPD) and CASR, requires a cool roof for new and existing building projects 25,000 square feet and larger and supports flexible sustainable development options for building owners, including:

### New Buildings

- + Green space
- + On-site Renewable Energy
- + Off-site Renewable Energy
- + Energy Efficiency
- + Building Certification
- + Combination of Green Space + On-site Renewable Energy
- + Combination of Green Space + Off-site Renewable Energy
- + Combination of Green Space + Energy Efficiency
- + Payment into Green Building Fund

### Existing Buildings

- + Green Space
- + On-Site Renewable Energy
- + Building Certification
- + Energy Program
- + Payment into Green Building Fund

By engaging local design partners and other experts in the field, CASR supported CPD in creating code and compliance options that were realistic for developers, aligned with CASR’s climate goals and the goals of the ordinance, and generated excitement among Denverites along the way.

In addition to advancing Denver’s goal toward zero greenhouse gas emissions by 2040, the expected outcome of GBO was to require increased sustainable practices for new and existing buildings in Denver, and the actual outcome proved as such. To date, the work has catalyzed changes in 710 buildings. Collectively these compliance pathways have resulted in:

- + 25,161,503 square feet of cool roofs installed;
- + 79,454 square feet of vegetated roofs installed;
- + 638,764 square feet of at-grade green space installed; and
- + 2,675,474 KWh of solar capacity installed.

## Number of GBO compliance pathways

Type of Compliance	2019		2020		2021		2022		2023		2024		Total		Total
	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	
<i>New or Existing</i>	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	New	Existing	All
Cool Roof Only	14	13	21	18	22	20	63	24	78	29	26	45	224	149	373
a – Green Space	2	2	6	3	6	1	4	3	5	1	6	1	29	11	40
b – On-Site Renewable Energy	1	2	2	1	0	2	1	3	1	1	1	2	6	11	17
c – Off-Site Renewable Energy	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0
d – Energy Efficiency	6	15	10	16	12	13	5	16	4	6	9	22	46	88	134
e – Building Certification	0	2	9	2	15	1	13	1	23	0	11	1	71	7	78
f – Combo a + b	1	N/A	1	N/A	2	N/A	3	N/A	1	N/A	3	N/A	11	N/A	11
g – Combo a + c	0	N/A	0	N/A	0	N/A	0	N/A	1	N/A	0	N/A	1	N/A	1
h – Combo a + d	1	N/A	9	N/A	3	N/A	10	N/A	1	N/A	1	N/A	25	N/A	25
i – Payment into Green Building Fund	1	2	0	3	0	5	1	1	0	4	0	14	2	29	31
Total	26	36	58	43	60	42	100	48	114	41	57	85	415	295	710

\* Estimation due to multiple building certification pathways, e.g., LEED certification.

Buildings that chose to create green space have resulted in 79,454 square feet of vegetated roofs and 638,764 square feet of at-grade green space installed since 2019.

Buildings that chose on- or off-site renewable energy have resulted in a total of 2,675,474 KWh of solar capacity installed.

**Square feet of vegetated roofs installed**

Year	Square feet of vegetated roofs installed
2019	8,347
2020	11,818
2021	16,969
2022	35,573
2023	1,553
2024	5,194
<b>Total</b>	<b>79,454</b>

**Square feet of at-grade green space installed**

Year	Square feet of at-grade green space installed
2019	41,220
2020	108,317
2021	111,447
2022	81,250
2023	63,333
2024	233,197
<b>Total</b>	<b>638,764</b>

**KWh of solar capacity installed**

Year	KWh of solar capacity installed
2019	230,671
2020	106,405
2021	470,053
2022	662,424
2023	594,200
2024	611,721
<b>Total</b>	<b>2,675,474</b>

Note: The detailed data above is provided for GBO compliance pathways with single-unit impact metrics. Financial data for the Green Building Fund can be found in Appendix D.

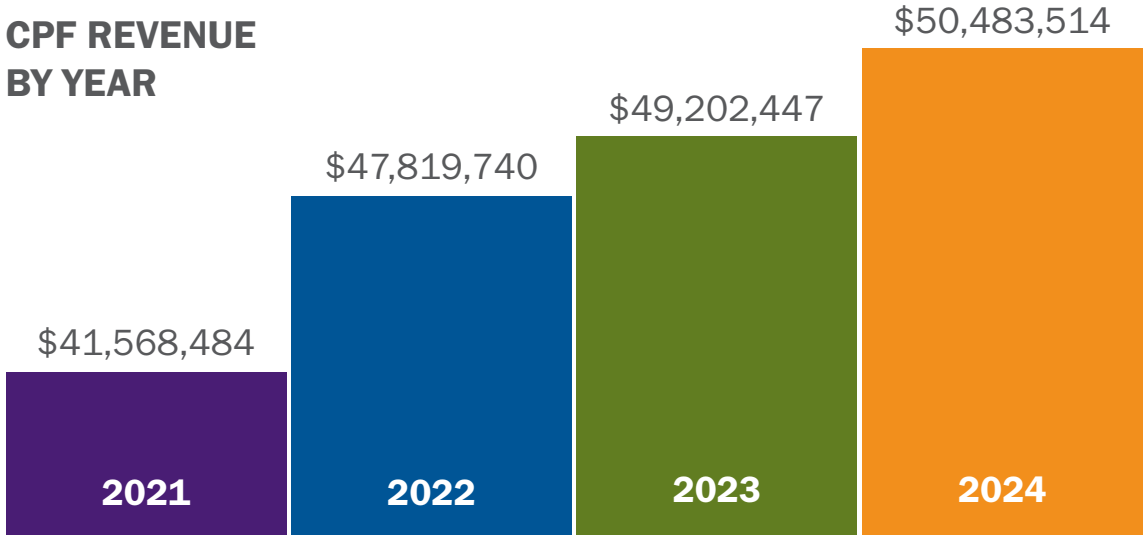
# APPENDIX C: 2024 CLIMATE PROTECTION FUND FINANCIAL SUMMARY

**CLIMATE PROTECTION FUND:**

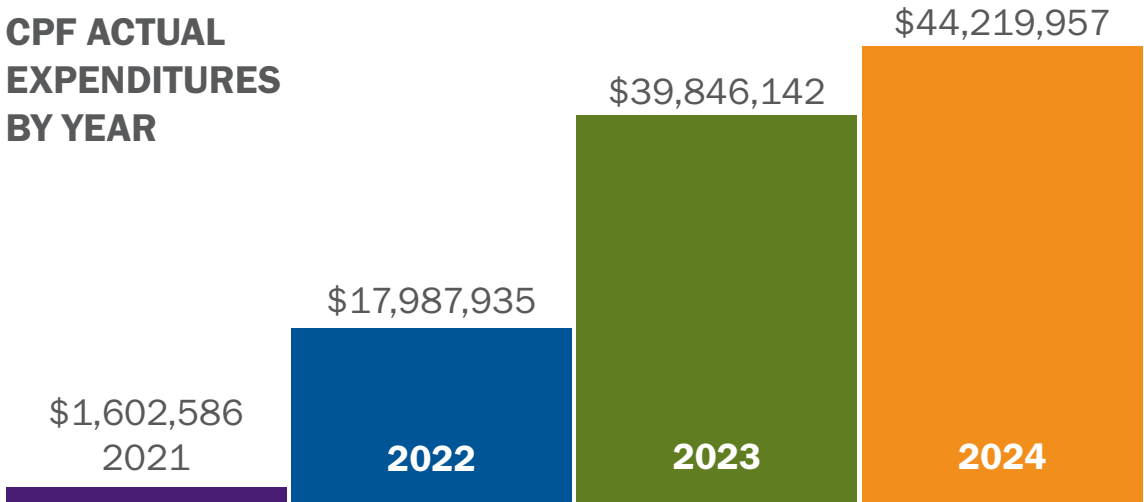
The main fund supporting CASR’s work is the Climate Protection Fund (CPF). Revenue for the first four years of the fund is shown at right. Also shown at right, the CPF actual expenditures by year have increased significantly as programs have been developed and successfully implemented.

**HOW DOES THIS COMPARE TO PRIOR YEARS?**

**CPF REVENUE  
BY YEAR**

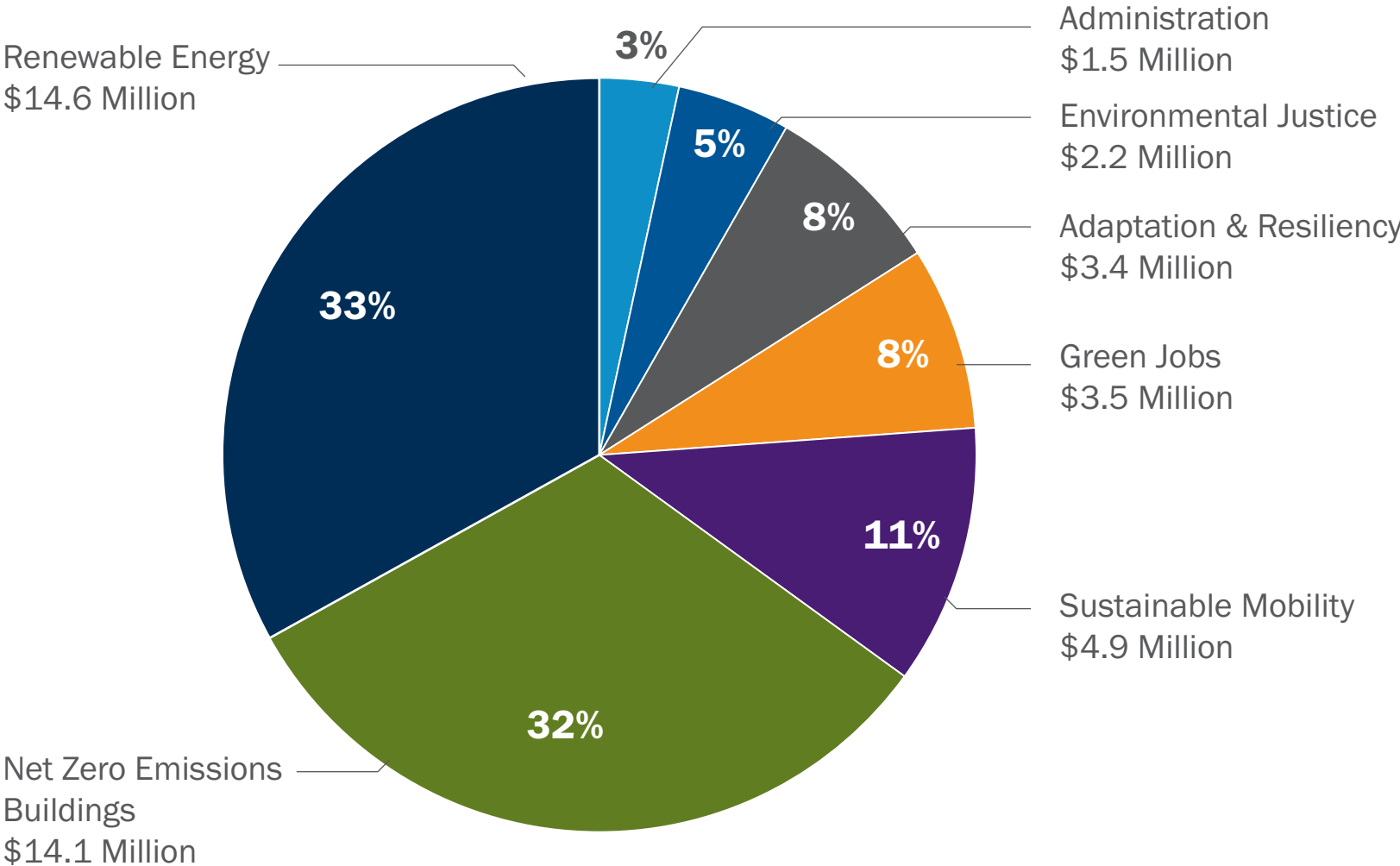


**CPF ACTUAL  
EXPENDITURES  
BY YEAR**



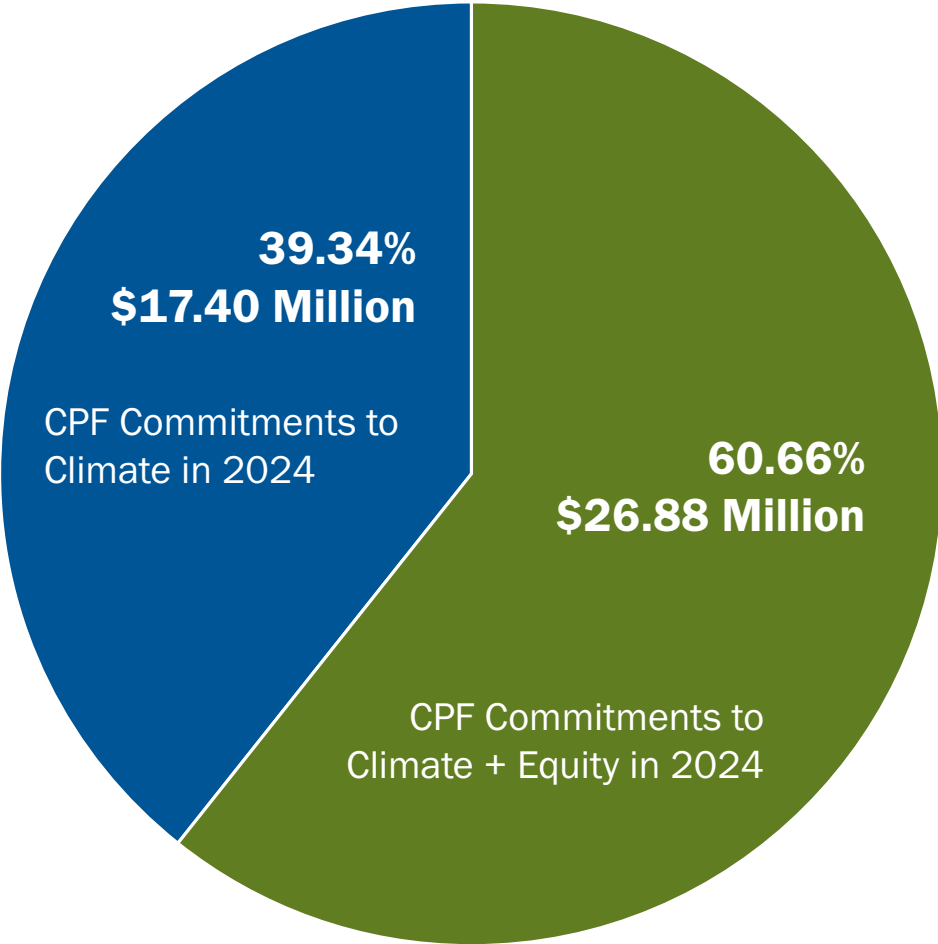
Spending from the CPF is facilitated through three routes: CASR staff positions, agreements between CASR and other City agencies, and contracts with external partners, which are executed through competitive requests for proposals (RFPs) or incentive program applications. In 2024, the CPF spent across all allowable uses as show in the chart below.

**CPF EXPENDITURES BY ALLOWABLE USE IN 2024**



Equity is at the core of our work, with over half of CPF dollars (60.66%) directly benefitting Denver’s most climate-vulnerable people and communities.

**CPF COMMITMENT TO EQUITY IN 2024**



## Climate Protection Capital Projects Fund

The Climate Protection Capital Projects Fund was created by City Council in 2021. Capital projects seek to lead by example and demonstrate practical, resilient, scalable and sustainable solutions for the future. Between 2021 and 2024, \$74,175,000 was re-appropriated (transferred) from the Climate Protection Special Revenue Fund (operating fund) to fund the climate-oriented capital programs below.

### **Capital Projects Fund Budget and Spending**

<b>Capital Program</b>	<b>2021-2024 Budget</b>	<b>2021 Spending</b>	<b>2022 Spending</b>	<b>2023 Spending</b>	<b>2024 Spending</b>
Solar Infrastructure Improvements	\$39,000,000	\$980,676	\$2,120,821	\$14,006,748	\$10,599,119
Energy Conservation Improvements	\$25,750,000	\$105,955	\$1,302,070	\$732,210	\$1,240,758
Electrified Mobility Improvements	\$3,000,000			\$557,629	\$965,698
Climate Adaptation and Resilience	\$100,000			-	\$0
Solar Infrastructure Maintenance	\$175,000			-	\$0
Electrified Mobility Maintenance	\$150,000			\$36,965	\$82,711
Sustainable Mobility Improvements	\$6,000,000			-	\$0
<b>Total</b>	<b>\$74,175,000</b>	<b>\$1,086,631</b>	<b>\$3,422,891</b>	<b>\$15,333,552</b>	<b>\$12,888,286</b>

## ADDITIONAL FUNDS

In addition to the Climate Protection Fund and Climate Protection Capital Projects Fund, other funds play important supporting roles. Described here, these funds support staff, programs and projects that are critical to achieving CASR goals.

### Climate Federal Grants Fund

This fund receives all federal operating grants. Until December 31, 2023, the fund was used for managing a U.S. Department of Energy Clean Energy Loan Program grant.

### General Fund

CASR's allocation from the City's General Fund represents the foundation for the agency's personnel budget, professional services, employee training, and other support.

### Climate Federal Grants

This fund receives all federal operating grant dollars. It was used to manage the Urban Forestry grant from the USDA.

### General Gov Private Grants

This fund is used to manage the private Greener by Default grant.

### Climate State Capital Grants Fund

This fund receives all federal capital grant dollars. It was used to manage two State capital grants.

## Appropriated and Actual General Fund Use by Expenditure Type

	2021		2022		2023		2024	
	Appropriated	Actuals	Appropriated	Actuals	Appropriated	Actuals	Appropriated	Actuals
Personnel Services	\$2,986,888	\$1,887,489	\$4,038,715	\$3,797,180	\$4,917,577	\$4,272,447	\$4,357,696	\$3,684,589
Services and Supplies	\$1,093,970	\$1,081,038	\$1,622,954	\$1,520,297	\$1,799,085	\$1,827,604	\$2,401,955	\$2,261,673
Capital Equipment	\$0	\$0	\$16,016	\$13,471	\$25,665	\$7,737	\$0	\$0
Internal Services	\$0	\$4,644	\$25,000	\$15,471	\$25,000	\$11,664	\$18,000	\$7,284
<b>Total</b>	<b>\$4,080,858</b>	<b>\$2,973,171</b>	<b>\$5,702,685</b>	<b>\$5,346,419</b>	<b>\$6,767,327</b>	<b>\$6,119,452</b>	<b>\$6,877,651</b>	<b>\$5,953,547</b>

### Disposable Bag Fee Administration Fund

The fee on disposable bags went into effect July 1, 2021, establishing a fee of \$0.10 on all disposable bags provided by a retail store to customers at the point of sale. Denver retailers may retain \$0.04 out of every \$0.10 collected for expenses related to administering the fee collection and are required to pay the other \$0.06 to the City and County of Denver for program administration. In 2024, the Disposable Bag Fee generated \$1.25 million in revenue which was reinvested into zero waste and circular economy efforts.

#### **Disposable Bag Fee Revenue**

<b>Year</b>	<b>Revenue</b>	<b>Spending</b>
2021	\$1,198,099	\$423,854
2022	\$2,190,096	\$238,636
2023	\$1,877,891	\$228,831
2024	\$1,256,188	\$127,088
Total	\$6,522,274	\$1,018,409

## Green Building Fund

A compliance option for the Green Buildings Ordinance, new and existing building project teams can elect to pay into the Green Building Fund (GBF) instead of meeting ordinance options requirements. Teams that choose to pay into the GBF must still meet cool roof requirements. The fund invests in various green building upgrades, with priority given to low-income areas that have less green space and trees, high-impact projects and green spaces located near the buildings that paid into the fund.

### **Green Building Fund Revenue**

<b>Year</b>	<b>Operating Revenue</b>	<b>Capital Revenue</b>
2019	\$0	\$70,834
2020	\$0	\$178,319
2021	\$0	\$523,012
2022	\$503,140	\$29,150
2023	\$145,522	\$0
2024	\$556,349	\$43,026
<b>Total</b>	<b>\$1,205,011</b>	<b>\$844,341</b>

The GBF has had no expenses from 2019-2023. The table below provides information on dollars allocated and expended on projects.

### **Green Building Fund Project Allocations**

<b>Project</b>	<b>Funds Allocated</b>	<b>Expended</b>	<b>Remaining</b>
DPR Youth Stewards	\$386,750	\$18,079	\$368,671
HOST Green Infrastructures and Garden	\$300,000	\$0	\$300,000
West Colfax Green Infrastructure	\$550,000	\$0	\$550,000
<b>Total</b>	<b>\$1,236,750</b>	<b>\$18,079</b>	<b>\$1,218,671</b>

## APPENDIX D: CLIMATE PROTECTION FUND BUDGET BREAKDOWN 2024

The following table provides a detailed view of the CPF's 2024 expenditures, including the primary allowable use for each program and its value toward the equity goal.

Primary Allowable Use	Program	Contractor/Agency	2024 Actuals	2024 Equity Value
Renewable Energy	CARE (Climate Action Rebates)	Aptim Corp	\$494,011	\$146,238
Renewable Energy	CCD - Energy Performance Audit	Mckinstry Essention LLC	\$24,730	\$24,730
Renewable Energy	Distributed Energy Resources Program	Intermountain Electric Inc	\$121,612	\$-
Renewable Energy	Distributed Energy Resources Program	Mckinstry Essention LLC	\$25,301	\$-
Renewable Energy	DPL-Green Valley Ranch Branch PV and BESS	Environmental Technical Solutions LLC	\$3,904	\$-
Renewable Energy	DPL-Green Valley Ranch Branch PV and BESS	Mckinstry Essention LLC	\$128,644	\$-
Renewable Energy	DPL-Sam Gary Branch PV and BESS	Intermountain Electric Inc	\$16,173	\$-
Renewable Energy	Energy Policy	Synapse Energy Economics Inc	\$63,312	\$-
Renewable Energy	EV Asset Management	Intermountain Electric Inc	\$28,502	\$11,401
Renewable Energy	Impact Evaluation	Bennett Midland LLC	\$56,400	\$28,200
Renewable Energy	Multisource thermal energy system study	Energetics Consulting Engineers, LLC	\$364,857	\$-
Renewable Energy	RDCS (Renewable Denver Community Solar)	Environmental Technical Solutions LLC	\$480	\$-
Renewable Energy	RDCS (Renewable Denver Community Solar)	Ideal Fencing Corp LLC	\$8,075	\$3,230

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Renewable Energy	RDCS (Renewable Denver Community Solar)	Los Cerezos LLC	\$6,048	\$-
Renewable Energy	RDCS (Renewable Denver Community Solar)	Mckinstry Essention LLC	\$8,407,199	\$6,397,847
Renewable Energy	RDCS (Renewable Denver Community Solar)	Signs By Tomorrow Denver	\$1,415	\$-
Renewable Energy	RDCS (Renewable Denver Community Solar)	Stone Security LLC	\$45,612	\$18,245
Renewable Energy	RDCS (Renewable Denver Community Solar)	Trulink LLC	\$17,456	\$6,983
Renewable Energy	RDCS (Renewable Denver Community Solar)	Xcel Energy	\$585,782	\$344,320
Renewable Energy	RDCS (Renewable Denver Community Solar)	Denver Airport (Land Lease)	\$8,160	\$1,632
Renewable Energy	Renewable District Thermal	Signs By Tomorrow Denver	\$370	\$-
Renewable Energy	Renewable District Thermal - Incentives	Six Peak Capital LLC	\$7,000	\$3,500
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Clayton Early Learning Trustee	\$458,976	\$458,976
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Congregation Rodef Shalom	\$142,486	\$142,486
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Denver Rescue Mission	\$69,600	\$69,600
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Habitat For Humanity Of Metro Denver Inc	\$255,276	\$255,276

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Holy Spirit Association For The Unification Of World Christianity	\$74,970	\$74,970
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Jewish Family Service Of Colorado	\$416,412	\$416,412
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	La Raza Services Inc	\$70,880	\$70,880
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Mercy Housing Mountain Plains	\$263,631	\$263,631
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	St Francis Center	\$24,300	\$24,300
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Urban Land Conservancy	\$9,334	\$9,334
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Volunteers Of America Colorado Branch	\$91,822	\$91,822
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Willow Street Apartments	\$43,223	\$43,223
Renewable Energy	RRIP (Renewables & Resilience Incentive Program)	Womens Bean Project	\$276,255	\$276,255
Renewable Energy	SOL (Solar Outdoor Learning)	Denver Public Schools	\$323,436	\$323,436
Renewable Energy	Solar Asset Management	Mckinstry Essention LLC	\$25,833	\$-
Renewable Energy	Solar Group Purchase Program	Solar United Neighbors	\$608,000	\$486,400
Renewable Energy	Strategic planning	Delivery Associates Ltd	\$34,228	\$17,114
Adaptation & Resiliency	Teaching principles of sustainable land use and nature-based solutions to resource management	Regenerative Education Collective Of Denver	\$8,000	\$8,000

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Adaptation & Resiliency	Building Electrification Program	Michaels Energy Inc	\$500,550	\$250,275
Adaptation & Resiliency	CARE (Climate Action Rebates)	Aptim Corp	\$948,859	\$237,208
Adaptation & Resiliency	Community Tree initiative	Americas For The Arts	\$142,054	\$142,054
Adaptation & Resiliency	Community Tree initiative	Rassman Design LLC	\$2,250	\$2,250
Adaptation & Resiliency	Community Tree initiative	The Park People	\$133,970	\$133,970
Adaptation & Resiliency	Cooling and Indoor Air Quality Pilot Mini Grant	Colorado Changemakers Collective	\$49,990	\$49,990
Adaptation & Resiliency	Cooling and Indoor Air Quality Pilot Mini Grant	Commun Denver Inc	\$49,995	\$49,995
Adaptation & Resiliency	Cooling and Indoor Air Quality Pilot Mini Grant	Greater Park Hill Community Inc	\$50,000	\$50,000
Adaptation & Resiliency	Cooling and Indoor Air Quality Pilot Mini Grant	Year One Inc	\$1,553	\$1,553
Adaptation & Resiliency	Healthy Homes Program	Blocpower Public Benefit Corporation	\$45,375	\$45,375
Adaptation & Resiliency	Healthy Homes Program	Energy Outreach Colorado Efficiency LLC	\$238,460	\$238,460
Adaptation & Resiliency	Heat Summit	Colorado Health Institute	\$9,998	\$9,998
Adaptation & Resiliency	Heat Summit	Tashmo Ko Co	\$3,147	\$1,574
Adaptation & Resiliency	Impact Evaluation	Bennett Midland LLC	\$53,004	\$26,502
Adaptation & Resiliency	Native Grass Manual	Colorado Waterwise Council	\$2,500	\$-
Adaptation & Resiliency	Promotora Program	Barton Institute For Community Action	\$112,500	\$112,500
Adaptation & Resiliency	Promotora Program	Birdseed Collective	\$149,860	\$149,860
Adaptation & Resiliency	Promotora Program	Colorado State University	\$10,841	\$10,841

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Adaptation & Resiliency	Promotora Program	Montbello Organizing Committee	\$43,750	\$43,750
Adaptation & Resiliency	Promotora Program	The Park People	\$49,987	\$49,987
Adaptation & Resiliency	RDCS (Renewable Denver Community Solar)	Mckinstry Essention LLC	\$413,899	\$331,119
Adaptation & Resiliency	Restorative Justice Practice and Conflict Resolution	The Sustainability House LLC	\$2,485	\$2,485
Adaptation & Resiliency	RRIP (Renewables & Resilience Incentive Program)	Denver Rescue Mission	\$15,600	\$15,600
Adaptation & Resiliency	RRIP (Renewables & Resilience Incentive Program)	La Raza Services Inc	\$4,461	\$4,461
Adaptation & Resiliency	RRIP (Renewables & Resilience Incentive Program)	Volunteers Of America Colorado Branch	\$53,938	\$53,938
Adaptation & Resiliency	Strategic planning	Delivery Associates Ltd	\$34,228	\$17,114
Sustainable Mobility	Biking Incentive Pilots	Bicycle Colorado	\$80,205	\$40,102
Sustainable Mobility	Biking Incentive Pilots	West Corridor Transportation Management Association	\$127,523	\$119,450
Sustainable Mobility	Car Free Streets	Hdr Engineering Inc	\$18,097	\$-
Sustainable Mobility	CARE (Climate Action Rebates)	Aptim Corp	\$1,541,878	\$948,845
Sustainable Mobility	CASR is installing one dual-head L2 EV charger at the DPR Env. Center for Kids learning center	National Car Charging LLC	\$6,714	\$3,357
Sustainable Mobility	DCFC (Direct Current Fast-Charging)	Phil Long Ford Of Denver LLC	\$290,495	\$58,099
Sustainable Mobility	Denver Mobility Incentive Program	Bicycle Colorado	\$60,010	\$30,005

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Sustainable Mobility	Denver Mobility Incentive Program	Boulder Carshare	\$8,250	\$4,125
Sustainable Mobility	Denver Mobility Incentive Program	Denver Food Rescue	\$2,739	\$2,739
Sustainable Mobility	Denver Mobility Incentive Program	Montbello Organizing Committee	\$220,052	\$220,052
Sustainable Mobility	Denver Mobility Incentive Program	Northeast Transportation Connections	\$32,698	\$32,698
Sustainable Mobility	Distributed Energy Resources Program	Intermountain Electric Inc	\$29,601	\$7,686
Sustainable Mobility	Distributed Energy Resources Program	Mckinstry Essention LLC	\$664,616	\$13,684
Sustainable Mobility	Distributed Energy Resources Program	Signs By Tomorrow Denver	\$265	\$-
Sustainable Mobility	DPD e-bikes	Headland Ventures LLC	\$216,320	\$74,346
Sustainable Mobility	Electric vehicle charging station	National Car Charging LLC	\$32,614	\$16,307
Sustainable Mobility	EV Asset Management	Intermountain Electric Inc	\$85,433	\$25,902
Sustainable Mobility	Impact Evaluation	Bennett Midland LLC	\$53,004	\$26,502
Sustainable Mobility	Promotora Program	Insight Global LLC	\$1,500	\$-
Sustainable Mobility	Rapid Assessment	Human Centric Design LLC	\$3,950	\$1,975
Sustainable Mobility	RDCS (Renewable Denver Community Solar)	Ideal Fencing Corp LLC	\$1,425	\$570
Sustainable Mobility	RDCS (Renewable Denver Community Solar)	Land Title Guarantee Co	\$1,142	\$-
Sustainable Mobility	RDCS (Renewable Denver Community Solar)	Mckinstry Essention LLC	\$580,705	\$386,725
Sustainable Mobility	RDCS (Renewable Denver Community Solar)	Signs By Tomorrow Denver	\$440	\$-
Sustainable Mobility	RDCS (Renewable Denver Community Solar)	Xcel Energy	\$7,553	\$2,341

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Sustainable Mobility	RRIP (Renewables & Resilience Incentive Program)	Clayton Early Learning Trustee	\$21,274	\$21,274
Sustainable Mobility	RRIP (Renewables & Resilience Incentive Program)	La Raza Services Inc	\$8,922	\$8,922
Sustainable Mobility	RRIP (Renewables & Resilience Incentive Program)	Urban Land Conservancy	\$1,867	\$1,867
Sustainable Mobility	Strategic planning	Delivery Associates Ltd	\$34,228	\$17,114
Net Zero Emissions Buildings	Building Performance Policy	Group14 Engineering Pbc	\$2,404	\$-
Net Zero Emissions Buildings	2025 Denver Building Code	Energetics Consulting Engineers, LLC	\$84,173	\$41,664
Net Zero Emissions Buildings	2025 Denver Energy Code	Group14 Engineering Pbc	\$19,519	\$-
Net Zero Emissions Buildings	Building code and CPD's DOE grant	New Buildings Institute Inc	\$42,338	\$-
Net Zero Emissions Buildings	Building Electrification Program	Michaels Energy Inc	\$4,254,676	\$2,127,338
Net Zero Emissions Buildings	Building Electrification Program (Residential)	Group14 Engineering Pbc	\$40,286	\$16,115
Net Zero Emissions Buildings	CASR Strategic Planning	Delivery Associates Ltd	\$68,575	\$-
Net Zero Emissions Buildings	CASR Strategic Planning	The Brendle Group Inc	\$49,614	\$24,807
Net Zero Emissions Buildings	Buildings - Capital	Mckinstry Essention LLC	\$283,568	\$-

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Net Zero Emissions Buildings	CARE (Climate Action Rebates)	Aptim Corp	\$3,662,014	\$827,276
Net Zero Emissions Buildings	CCD - Energy Performance Audit	Ameresco Inc	\$240,430	\$-
Net Zero Emissions Buildings	CCD - Energy Performance Audit	Cmta Inc	\$247,454	\$-
Net Zero Emissions Buildings	CCD - Energy Performance Audit	Schneider Electric Buildings Americas Inc	\$184,587	\$-
Net Zero Emissions Buildings	Cooling and Indoor Air Quality Pilot Mini Grant	Year One Inc	\$1,553	\$1,553
Net Zero Emissions Buildings	Denver Energy Code Support	Energetics Consulting Engineers, LLC	\$9,034	\$-
Net Zero Emissions Buildings	Energize Denver	Sustainable Real Estate Solutions Inc	\$140,160	\$140,160
Net Zero Emissions Buildings	Energize Denver	Touchstone Iq LLC	\$1,324,296	\$736,705
Net Zero Emissions Buildings	Energize Denver Badging	Aor Incorporated	\$10,000	\$1,000
Net Zero Emissions Buildings	Energy Audit	Mckinstry Essention LLC	\$476,035	\$-
Net Zero Emissions Buildings	GHG Emissions Inventory	Group14 Engineering Pbc	\$70,924	\$35,462
Net Zero Emissions Buildings	Grant application support	Ascend Nonprofit And Business Solutions	\$10,944	\$-
Net Zero Emissions Buildings	Grant application support	Point B E Strategies LLC	\$3,500	\$-

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Net Zero Emissions Buildings	Green Career Pathway Accelerator	Groundfloor Media Inc	\$1,840	\$-
Net Zero Emissions Buildings	Healthy Homes Program	Blocpower Public Benefit Corporation	\$45,375	\$45,375
Net Zero Emissions Buildings	Healthy Homes Program	Energy Outreach Colorado Efficiency LLC	\$385,998	\$385,998
Net Zero Emissions Buildings	Impact Evaluation	Bennett Midland LLC	\$53,004	\$26,502
Net Zero Emissions Buildings	IJJA PMO Program Management support services	Wsp Inc/Doti	\$20,000	
Net Zero Emissions Buildings	Relocation Services	City And County Of Denver	\$8,000	\$-
Net Zero Emissions Buildings	RDCS (Renewable Denver Community Solar)	Xcel Energy	\$638	\$191
Net Zero Emissions Buildings	Strategic planning	Delivery Associates Ltd	\$34,228	\$17,114
Net Zero Emissions Buildings	Study the DOE equivalency methodology	Energetics Consulting Engineers, LLC	\$12,460	\$-
Net Zero Emissions Buildings	Support for CPD's DOE grant application	Energetics Consulting Engineers, LLC	\$6,710	\$-
Net Zero Emissions Buildings	Tariffed on-bill financing support	Tyler Ralph Poulson	\$9,880	\$4,940
Environmental Justice	Building Electrification Program	Michaels Energy Inc	\$250,275	\$125,138
Environmental Justice	CARE (Climate Action Rebates)	Aptim Corp	\$452,329	\$271,397

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Environmental Justice	Community environmental justice grant applications support	Central Vectors	\$10,000	\$10,000
Environmental Justice	Community environmental justice grant applications support	Confluence Community Solutions	\$10,000	\$10,000
Environmental Justice	Community environmental justice grant applications support	Equity Policy Solutions	\$10,000	\$10,000
Environmental Justice	Community environmental justice grant applications support	Marta E Duran	\$10,000	\$10,000
Environmental Justice	Community environmental justice grant applications support	Nuevo Amanecer LLC	\$10,000	\$10,000
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Andy Colwell Inc	\$2,500	\$2,500
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Auraria Higher Education Center	\$2,700	\$2,700
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Denver Indian Center Inc	\$750	\$750
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Ero Resources Corporation	\$30,605	\$30,605
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Indigenous Corporation 5280	\$600	\$600
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Kristina M Bad Hand	\$1,500	\$1,500
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Robert Hawk	\$500	\$500
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Sidney Whetham Whiting Jr	\$100	\$100

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Environmental Justice	Denver in Context: Fall Convening Tribal Collaboration Workshop	Denver Arts And Venues (Facilities Lease)	\$350	\$350
Environmental Justice	Denver Mobility Incentive Program	Northeast Transportation Connections	\$124,251	\$124,251
Environmental Justice	Environmental justice training for community members	Birdseed Collective	\$10,000	\$10,000
Environmental Justice	Environmental justice training for community members	Black Parents United Foundation	\$6,600	\$6,600
Environmental Justice	Environmental justice training for community members	Ges Coalition Inc	\$10,000	\$10,000
Environmental Justice	Environmental justice training for community members	Kasih Initiative Inc	\$10,000	\$10,000
Environmental Justice	Environmental justice training for community members	Msb Consulting LLC (Hold)	\$10,000	\$10,000
Environmental Justice	Environmental justice training for community members	Redsol Consulting LLC	\$10,000	\$10,000
Environmental Justice	Environmental justice training for community members	Spirit Of The Sun Inc	\$10,000	\$10,000
Environmental Justice	Environmental justice training for community members	The Green House Connection Center	\$10,600	\$10,600
Environmental Justice	Environmental justice training for community members	Zim Consulting Inc	\$10,000	\$10,000
Environmental Justice	Healthy Homes Program	Blocpower Public Benefit Corporation	\$45,375	\$45,375
Environmental Justice	Healthy Homes Program	Energy Outreach Colorado Efficiency LLC	\$90,923	\$90,923
Environmental Justice	Impact Evaluation	Bennett Midland LLC	\$53,004	\$26,502

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Environmental Justice	Promotora Program	Colorado State University	\$12,608	\$12,608
Environmental Justice	Promotora Program	Montbello Organizing Committee	\$56,250	\$56,250
Environmental Justice	Rapid Assessment	Human Centric Design LLC	\$150	\$75
Environmental Justice	RDCS (Renewable Denver Community Solar)	Mckinstry Essention LLC	\$68,983	\$68,983
Environmental Justice	Restorative Justice Practice and Conflict Resolution	The Sustainability House LLC	\$2,485	\$2,485
Environmental Justice	RRIP (Renewables & Resilience Incentive Program)	Denver Rescue Mission	\$15,600	\$15,600
Environmental Justice	RRIP (Renewables & Resilience Incentive Program)	La Raza Services Inc	\$4,461	\$4,461
Environmental Justice	RRIP (Renewables & Resilience Incentive Program)	Volunteers Of America Colorado Branch	\$53,938	\$53,938
Environmental Justice	Strategic planning	Delivery Associates Ltd	\$35,077	\$17,539
Environmental Justice	Sustainable Schools "Climate Champions" Program - Youth Engagement	Denver Public Schools	\$25,000	\$25,000
Environmental Justice	Trainings, language access, and other resources for the peoples of Denver to understand the regulatory processes related to air and water quality and climate change.	Voices Of The Land	\$10,000	\$10,000
Environmental Justice	Translation Services/Bilingual Billback	Office Of Human Services	\$63	\$63
Green Jobs	BE Workforce Ecosystem Analysis	The Brendle Group Inc	\$75,516	\$75,516
Green Jobs	Community Tree initiative	Americas For The Arts	\$20,306	\$20,306

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Green Jobs	Community Tree initiative	The Park People	\$33,719	\$33,719
Green Jobs	Good Green Jobs RFP	Community College Of Denver	\$156,569	\$156,569
Green Jobs	Good Green Jobs RFP	Denver Public Schools	\$131,156	\$131,156
Green Jobs	Good Green Jobs RFP	Grid Alternatives Colorado Inc	\$164,289	\$164,289
Green Jobs	Good Green Jobs RFP	Ifma Foundation	\$219,315	\$219,315
Green Jobs	Good Green Jobs RFP	Year One Inc	\$129,582	\$129,582
Green Jobs	Green Career Pathway Accelerator	Grid Alternatives Colorado Inc	\$164,702	\$164,702
Green Jobs	Green Career Pathway Accelerator	Groundwork Denver Inc	\$146,166	\$146,166
Green Jobs	Green Career Pathway Accelerator	The Park People	\$212,504	\$212,504
Green Jobs	Green Workforce Mini Grants	A Part Of Everything Cdc	\$50,000	\$50,000
Green Jobs	Green Workforce Mini Grants	Blue Sky Training	\$50,000	\$25,000
Green Jobs	Green Workforce Mini Grants	Carbon Free Group LLC (Hold)	\$50,000	\$50,000
Green Jobs	Green Workforce Mini Grants	Chc Training LLC	\$50,000	\$50,000
Green Jobs	Green Workforce Mini Grants	Colorado Nonprofit Development Center	\$15,000	\$15,000
Green Jobs	Green Workforce Mini Grants	Colorado State University	\$49,999	\$49,999
Green Jobs	Green Workforce Mini Grants	Construction Instruction Inc	\$50,000	\$50,000
Green Jobs	Green Workforce Mini Grants	Cossa Institute	\$50,000	\$50,000
Green Jobs	Green Workforce Mini Grants	Environmental Consulting Services LLC	\$49,000	\$49,000
Green Jobs	Green Workforce Mini Grants	Life-Line	\$48,600	\$48,600
Green Jobs	Green Workforce Mini Grants	Lincoln Hills Cares	\$50,000	\$50,000
Green Jobs	Green Workforce Mini Grants	Long Building Technologies Inc	\$48,940	\$48,940

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Green Jobs	Green Workforce Mini Grants	Mq Workforce Development LLC	\$50,000	\$25,000
Green Jobs	Green Workforce Mini Grants	Namaste Solar Electric Inc	\$50,000	\$50,000
Green Jobs	Green Workforce Mini Grants	Women Who Charge	\$49,000	\$49,000
Green Jobs	Healthy Homes Program	Blocpower Public Benefit Corporation	\$15,125	\$15,125
Green Jobs	Healthy Homes Program	Energy Outreach Colorado Efficiency LLC	\$41,657	\$41,657
Green Jobs	Impact Evaluation	Bennett Midland LLC	\$56,400	\$28,200
Green Jobs	RDCS (Renewable Denver Community Solar)	Mckinstry Essention LLC	\$572,765	\$572,765
Green Jobs	RRIP (Renewables & Resilience Incentive Program)	Clayton Early Learning Trustee	\$4,832	\$4,832
Green Jobs	RRIP (Renewables & Resilience Incentive Program)	Denver Rescue Mission	\$19,200	\$19,200
Green Jobs	RRIP (Renewables & Resilience Incentive Program)	Habitat For Humanity Of Metro Denver Inc	\$28,364	\$28,364
Green Jobs	RRIP (Renewables & Resilience Incentive Program)	La Raza Services Inc	\$10,409	\$10,409
Green Jobs	RRIP (Renewables & Resilience Incentive Program)	St Francis Center	\$2,700	\$2,700
Green Jobs	RRIP (Renewables & Resilience Incentive Program)	Urban Land Conservancy	\$7,467	\$7,467
Green Jobs	RRIP (Renewables & Resilience Incentive Program)	Volunteers Of America Colorado Branch	\$53,938	\$53,938
Green Jobs	Strategic planning	Delivery Associates Ltd	\$34,228	\$17,114

<b>Primary Allowable Use</b>	<b>Program</b>	<b>Contractor/Agency</b>	<b>2024 Actuals</b>	<b>2024 Equity Value</b>
Administration	Cellphone, ER, Pcard, Relocation, Background	Multiple (Verizon, Ccd, Sterling)	\$51,668	\$-
Administration	Computer Equipment	Dell Marketing Lp	\$15,676	\$-
Administration	Computer Equipment	Techsmith Corporation	\$220	\$-
Administration	Denver Climate Action Marketing, Communications & Engagement Services	Sukle Advertising Inc	\$239,761	\$119,881
Administration	Denver in Context: Fall Convening Tribal Collaboration Workshop	Sukle Advertising Inc	\$47,770	\$23,885
Administration	Energize Denver Badging	Aor Incorporated	\$5,850	\$5,850
Administration	Impact Evaluation	Bennett Midland LLC	\$75,200	\$37,600
Administration	Legal Service for CASR needs	City Attorney's Office	\$13,967	\$-
Administration	Workers Compensation Premium	City And County Of Denver	\$4,088	\$-
Administration	Mobility and Green Jobs Sponsoship	Colorado Automobile Dealers Association	\$5,000	\$-
Administration	Strategic planning	Delivery Associates Ltd	\$44,787	\$22,394
All-Payroll	Staff: CASR+CPD(4)+DOTI(1) positions		\$6,554,257	\$4,022,940
Total			\$44,219,957	\$26,822,256



[denvergov.org/climate](https://denvergov.org/climate)