



ADVANCED
MOBILITY
PARTNERSHIP

All About E-Bikes!

***happy bike month**

June 6, 2023

Quick Housekeeping Items

Restrooms are down the hallway to the left.

Wifi information is on the white board.

Coffee is available in the hallway.

Snacks are available in the front of the room – help yourself!

There are virtual participants, so **please use the microphone.**

If you are virtual, **please add your agency affiliation to your name.**

Agenda Snapshot

Introductions

All About E-Bikes Panel

- GoSGV E-Bike Share for the San Gabriel Valley
- City and County of Denver's E-Bike Rebate Program
- Northeast Transportation Connections Bike Libraries
- City of Boulder's Shared Micromobility and E-Bike Incentives
- City of Longmont's E-Bike Rebate

Next AMP Meeting: August 1 (virtual)

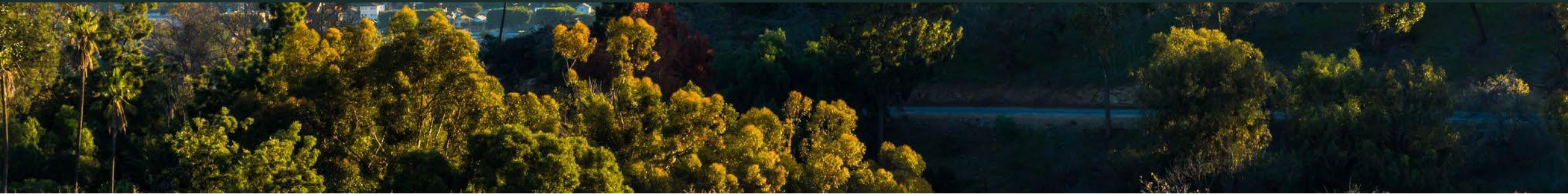
Next Micromobility Work Group Meeting: September 19

San Gabriel GoSGV E-Bike Share Program

San Gabriel Valley Council of Governments

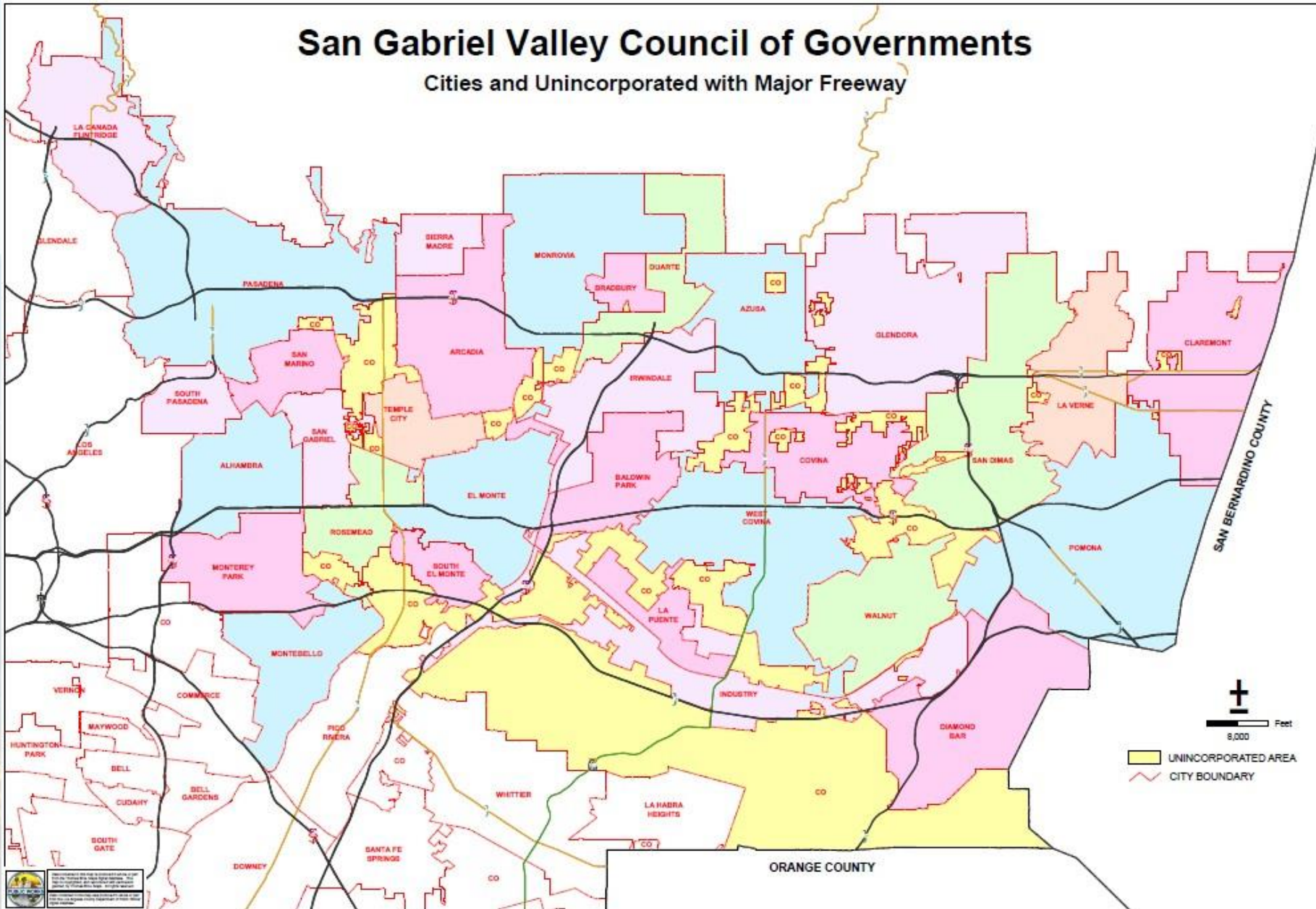
Caitlin Sims

Manager of Local Programs



San Gabriel Valley Council of Governments

Cities and Unincorporated with Major Freeway



Background

- In August 2017, the SGVCOG received \$4.554 million in Greenhouse Gas Reduction Fund-Active Transportation Program (GGRF-ATP) funds from the California Transportation Committee (CTC) to launch a regional e-bike share program in the San Gabriel Valley.
- Conducted competitive procurement & contracted with Gotcha Mobility to launch and operate the dock-less program
- Program impacted by Covid-19
 - Launched in Summer/Fall 2020 in South El Monte & Baldwin Park
 - Gotcha essentially dissolved ceased all operations in late 2020/early 2021

GoSGV 2.0

- Opportunity to re-imagine the program to better serve the San Gabriel Valley
- Collaborated with stakeholders to establish new approach
 - Longer-term bike “check-outs”
 - Station locations at local nonprofits, businesses, and other spaces off of the public right-of-way
 - Focusing on partners that would most likely to use the program (colleges/universities; large businesses/campus environments)
- Anticipate greater impacts on vehicle miles travelled (VMT) reduction & reduced operational costs



GoSGV 2.0

- Launched in September 2022
- Two different types of e-bikes
 - 828 standard pedal-assist e-bikes
 - 12 cargo e-bikes
- Local non-profit selected as Program Operator through a competitive procurement process
 - ActiveSGV

Key Program Components

- San Gabriel Valley residents can sign-up online at gosgv.com
 - Must provide deposit
- Monthly subscription cost
 - Users receive e-bike; battery charger; lock
- Users can pick-up bikes from ActiveSGV Offices or have the e-bikes delivered for a fee



Program Bike : Standard E -bike

- Manufactured by Trek
- One-size fits most
- UL certified
- Bosch mid-drive, “pedal-assist” motor
- Max assisted speed 18 mph
- 3 gears
- 4 levels of assist
- 30-60 mile range
- 828 bikes



Program Bike: Cargo E- bike

- Manufactured by Urban Arrow
- One-size fits all
- UL certified
- Bosch mid-drive, “pedal-assist” motor
- 30-60 mile range
- 12 bikes (up to 3 month share period)



Pricing (monthly)

- **Regular Member**
 - **Introductory - \$69**
 - **Standard - \$79**
- **Student rate - \$49**
- **Income Qualified - \$29**
- **Cargo E-bike - \$129 -** (3 month maximum period)
- **Group Rates (for Universities, Schools, Businesses)**

All bike pricing includes a battery charger and bicycle lock



Partnerships are Key!

- Local bike shops provide repairs for participants
 - Set cost rates for different repairs
- Local non-profits & cities are serving as program ambassadors
 - Using GoSGV e-bikes for their own commutes & activities to raise visibility
- Focusing on outreach and engagement with “campus”-based environments
 - Colleges/universities
 - Office parks

Funding

- Grant funding used to purchase initial e-bikes
- Operations currently funded by user fees
- Seeking additional grants funds to subsidize membership costs, especially for lower-income riders
 - Funding opportunities for programs that reduce vehicle miles traveled



Looking Ahead

- Launched lease-to-own program
 - Seeking grant funds to subsidize some of these cost
- Seeking grant funds to expand bike availability & choice
- Seeking grant funds to offer rebates for e-bikes & micromobility devices
 - Sliding scale based on income



Questions?

Caitlin Sims

Manager of Local Programs, San Gabriel Valley Council of Governments

csims@sgvcog.org



Menti Icebreaker

Join at [menti.com](https://www.menti.com) use code 9642 3584

 Mentimeter

Instructions

Go to

www.menti.com

Enter the code

9642 3584



Or use QR code



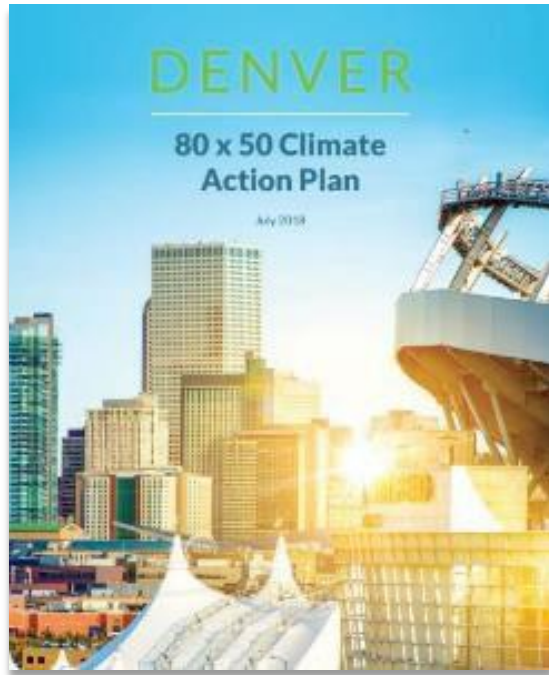
Denver's E-bike Rebate Program Update

AMP Working Group and DRCOG Micromobility Work Group
June 6, 2023

Mike Salisbury
Transportation Energy Lead
Mike.salisbury@denvergov.org

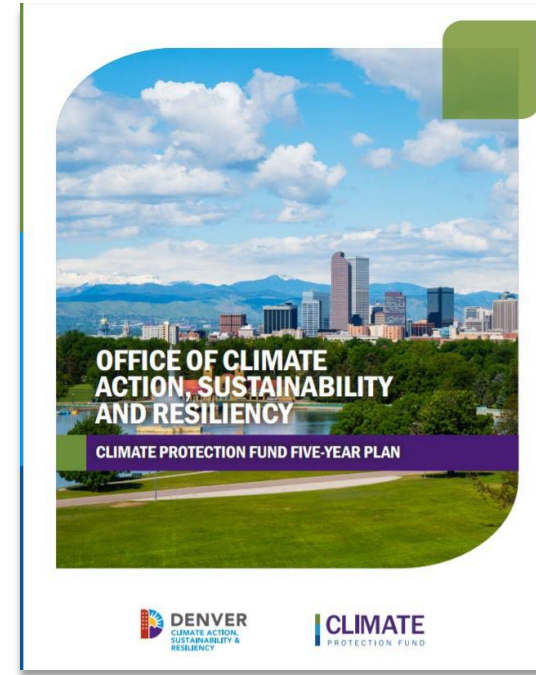
The Office of Climate Action, Sustainability, and Resiliency (CASR) is responsible for rapidly and equitably decarbonizing Denver

2018 commitment from the Mayor



Reduce GHG emissions **80%**
by 2050 from 2005 baseline

2021 updated City commitment



Reduce GHG emissions **65%**
by 2030 from 2019 baseline and **100%** by 2040



DENVER

CLIMATE ACTION,
SUSTAINABILITY &
RESILIENCY

0.25% sales tax

with equity exemptions

\$40 million annual

budget for Climate Action

50% of funding supports

equity



CLIMATE

PROTECTION FUND

Six allowable uses:

1. Workforce
2. Renewables
3. Climate Justice
4. Adaptation & Resiliency
5. Transportation
6. Buildings

Creating an e-biking ecosystem

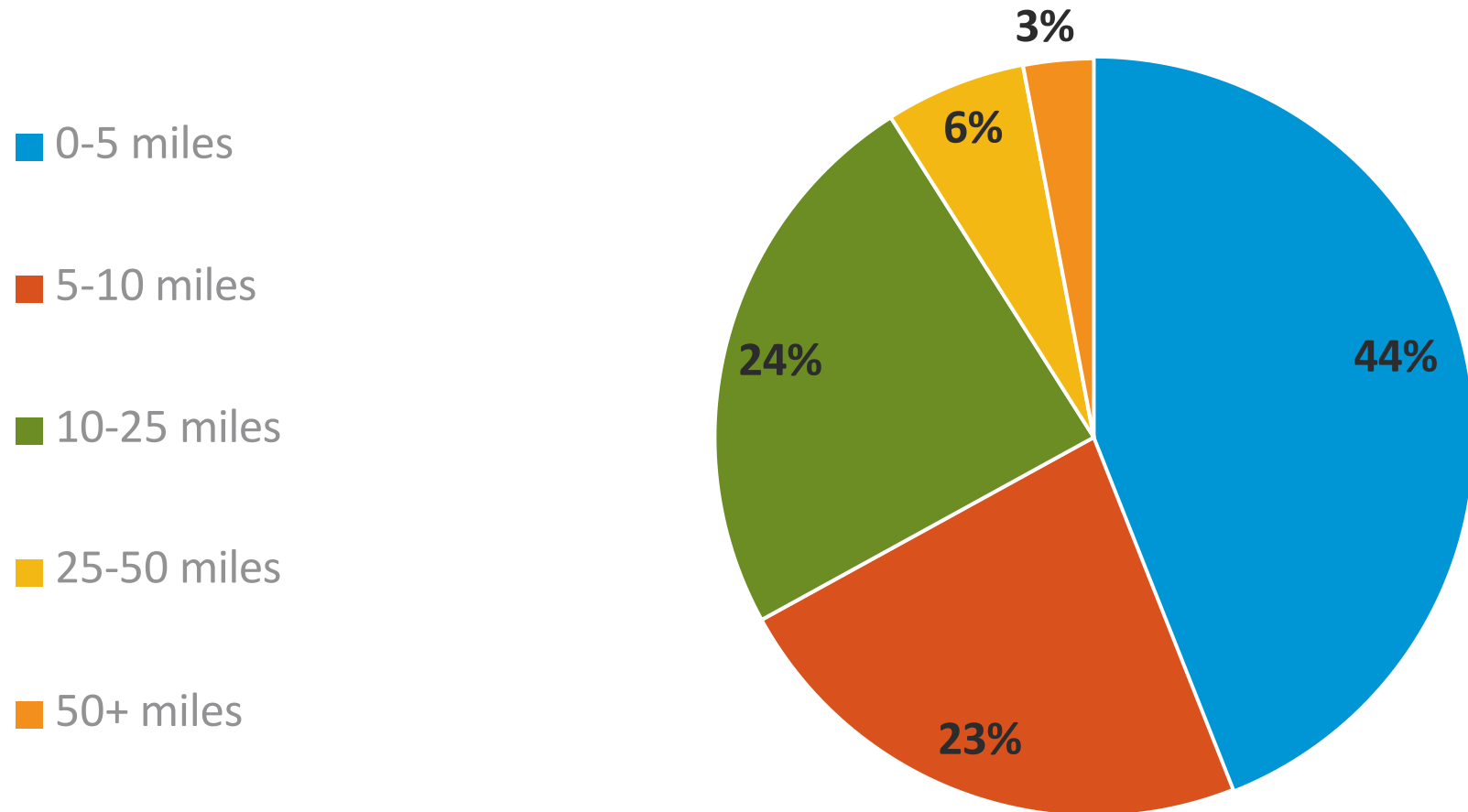
- 408 miles of high and moderate comfort bikeways
- Since 2018, Denver has added over 125 miles of new bikeways
- Shared Micromobility
- E-bike Libraries



Source:9News

Why E-bikes?

Car Trips Originating in Denver (source RMI)



E-Bike Voucher

- Launched Earth Day, 4/22/22
- \$300 for all Denver residents
- \$1,200 for income qualified Denver residents
- \$200 adder for e-cargo bikes
- Point of sale rebate



[Denvergov.org/ebike](https://denvergov.org/ebike)

Results to date

- 5,600 vouchers redeemed
- \$5.4 million spent
- 35 participating bike shops



E-bikes as Climate Champions

- Average voucher redeemer riding 26 miles and replacing 3.4 vehicle trips per week
- That comes to 100,000 miles of vehicle travel reduced each week
- 2,000 tons of GHG reduction in 2022
- 29% of respondents indicated they were new bike riders



E-bikes as Equity Champions

- 46% of redeemers live in Disproportionately Impacted Communities
- 48% of vouchers and 67% of funding went to Income Qualified residents
- IQ redeemers rode their e-bikes 50% more miles
- 72% reduction in fuel & maintenance costs



E-bikes as Mobility Champions

“I try to use by bike for every trip that is less than 5mi away from home. I received my bike the last week of August and have put 700mi on it in about 10 weeks. I use it to haul kids, groceries, etc. We sold our Subaru Forester to afford my new Tern GSD LX10 with an upgraded hub and I LOVE it! Our family is now down to 1 car and 2 cargo bikes and it's been great!”
Corinne DePersis



Lessons Learned

- Much more demand for e-bike vouchers than we have funding available
- Keep it simple
- Point of sale
- Work with local bike shops
- Outreach in disadvantaged communities
- Data collection plan
- Safe biking infrastructure and secure bike storage are key





peopleforbikes



Denver's 2022 Ebike Incentive Program Results and Recommendations

<https://www.ridereport.com/blog/ebike-incentive-programs>



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@DenverCASR | @SustainableDen | @denvercasr

Thank you!





The NETC Bike Libraries NETC E-Bike Program





Boulder's Shared Micromobility and E-bike Incentive Programs

**Chris Hagelin, Principal Planner
Transportation & Mobility**

To provide community members safe, equitable and sustainable forms of transportation to improve quality of life, provide connections to transit and key destinations; and replace motor vehicle trips to reduce traffic congestion and transportation-related greenhouse gas emissions.



2022 Data



Measures	Lime E-scooters	BCycle E-bikes	Total
# of devices currently deployed	240	300	540
Number of trips	115,000	467,315	582,315
Total Distance Traveled (miles)	117,700	817,800	935,500
Average Trips per device per day	1.5	4.25	3.0
Number of reported crashes*	4	3	7

* Includes reports to police, bicycle/e-scooter vendor, and staff



Program Highlights



- All E-Bike Fleet
 - New Stations
 - CU Student Program
 - Working on equity program
 - Growth in fleet size
 - Chautauqua Station
 - Regional expansion - feasibility study
- Increased Safety
 - Expanding Geographic area
 - Lime Groves
 - Expansion to CU main campus
 - Lime Access program

*City of Boulder collects annual license and per trip fees



Lime Citywide Expansion

- Mandatory Parking Zones in Downtown Boulder and University Hill areas
- Identification of above and below curb Lime Groves
- No Go Zones
- Slow Zones





E-Bike Rebates

What is an e-bike?



Voucher Amounts

Voucher Category	Voucher Amount	Estimated Personal Cost after Voucher
Standard income e-bike	\$300	\$1,000 to \$1,700 +
Standard income cargo/adaptive e-bike	\$500	\$1,300 to \$5,500 +
Income-qualified e-bike	\$1,200	\$100 to \$800 +
Income-qualified cargo/adaptive e-bike	\$1,400	\$400 to \$4,600 +

Application Process

1. Register and submit application online
2. If selected, applicant provides residency and/or income-eligibility documentation
3. Voucher Awarded
4. Choose from an approved Boulder County bike shop
5. Complete survey on e-bike usage





*Drawing courtesy of Madeleine Greene-Schuchard
Boulder 1st Grader*

Website & Contact

Website

www.bouldercolorado.gov/projects/e-bike-incentives

Sydney Schieffer

EbikeIncentives2023@bouldercolorado.gov

Transportation & Mobility / Climate Initiatives

2022 Longmont Power & Communications E-Bike Rebate

City of Longmont



Longmont Power & Communications

- Municipal electric utility
- 50,000 meters
- Over 99,000 residents in the City of Longmont

2022 LPC E-Bike Rebate

Program start date: June 22, 2022

Standard Rebate

- Up to \$500 for
- Must be a resident of the City of Longmont
- E-Bike must be purchased in the City of Longmont or purchased online and delivered to your Longmont address

Income Qualified Rebate

- Up to \$1000
- If the resident qualifies for any state, county, or city assistance program, they were eligible for the higher rebate amount

LPC E-Bike Rebate Rules

- Must submit purchase receipt within 30 days of purchase
- Resident must submit proof of address if they did not have an LPC electric account
- For Income Qualified Rebate – Submit proof of state, county, or city funded assistance
- Checks mailed within 10 days of documentation review and approval

2022 LPC E-Bike Rebate

- By July 11, 2022, we ran out of budget for standard rebates
 - Received two Income Qualified rebate applicants in the same household
 - We had 10 rebates reserved for Income Qualified
 - Only 7 were claimed throughout the program
 - Closed the program in September

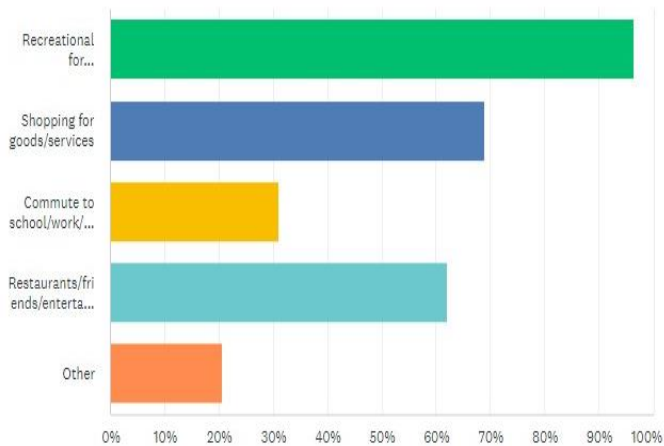
Feedback and Survey Results

We sent out an email survey in September 2022

- Sent to 40 Participants
- Received 29 Responses

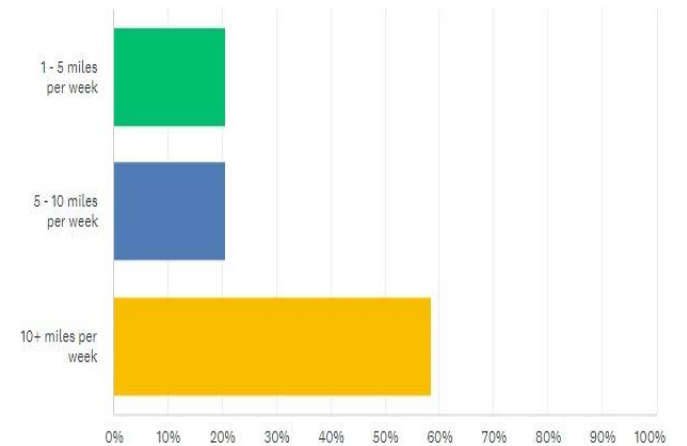
What types of trips have you made on your e-bike? (check all that apply) ***

Answered: 29 Skipped: 0



How many miles have you traveled on your e-bike per week ***

Answered: 29 Skipped: 0



Lessons Learned

- Plan a bigger budget or adjust rebate amounts to reach a larger number of residents
- Consider partnering with local bike shops
- Offer vouchers to Income Qualified residents
- Residents appreciate easy access to rebates

THANK YOU

Eliana Lanz

Energy Efficiency & Education

Specialist

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Open Discussion

Discussion Questions

- What other state or federal funding resources are available to start e-bike programs or rebates?
 - CEO Community Access Program E-Bike Statewide Rebate
- How can we further promote equitable e-bike usage across the region?
 - Rebates vs. leasing libraries
 - Employer based vs. government or non-profit programs
- How does your program define success?
- What resources from DRCOG would be helpful when building out e-bike programs / rebates?



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Thanks for joining the conversation.

Please register and participate in **Bike to Work Day** on June 28:
<https://biketoworkday.co/>