



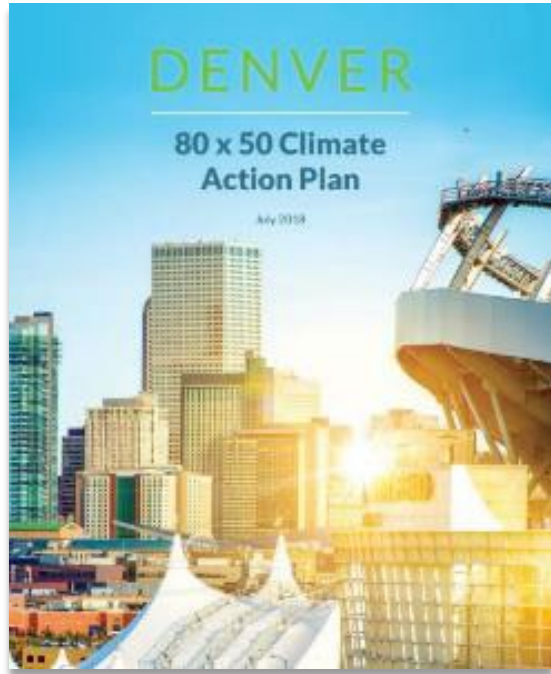
Denver's E-bike Rebate Program

Iowa APA, Planning on Tap
February 15, 2024

Mike Salisbury
Transportation Energy Lead
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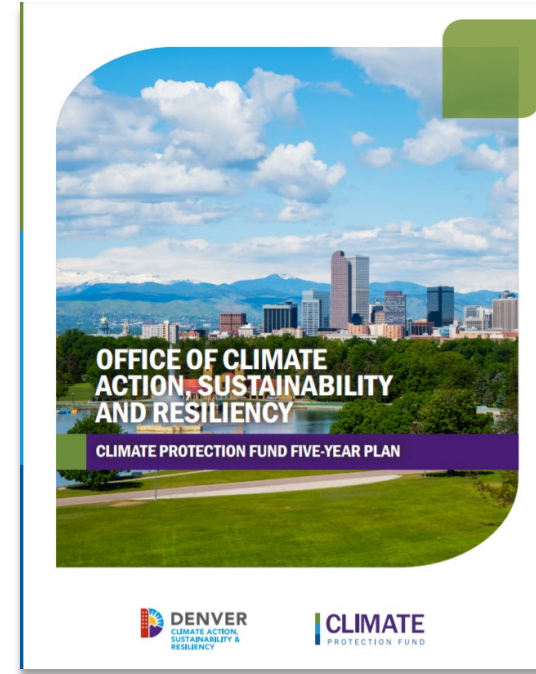
The Office of Climate Action, Sustainability, and Resiliency (CASR) is responsible for rapidly and equitably decarbonizing Denver

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



CLIMATE

PROTECTION FUND

0.25% sales tax

with equity exemptions

\$40 million annual
budget for Climate Action

50% of funding supports
equity

Six allowable uses:

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

Clim

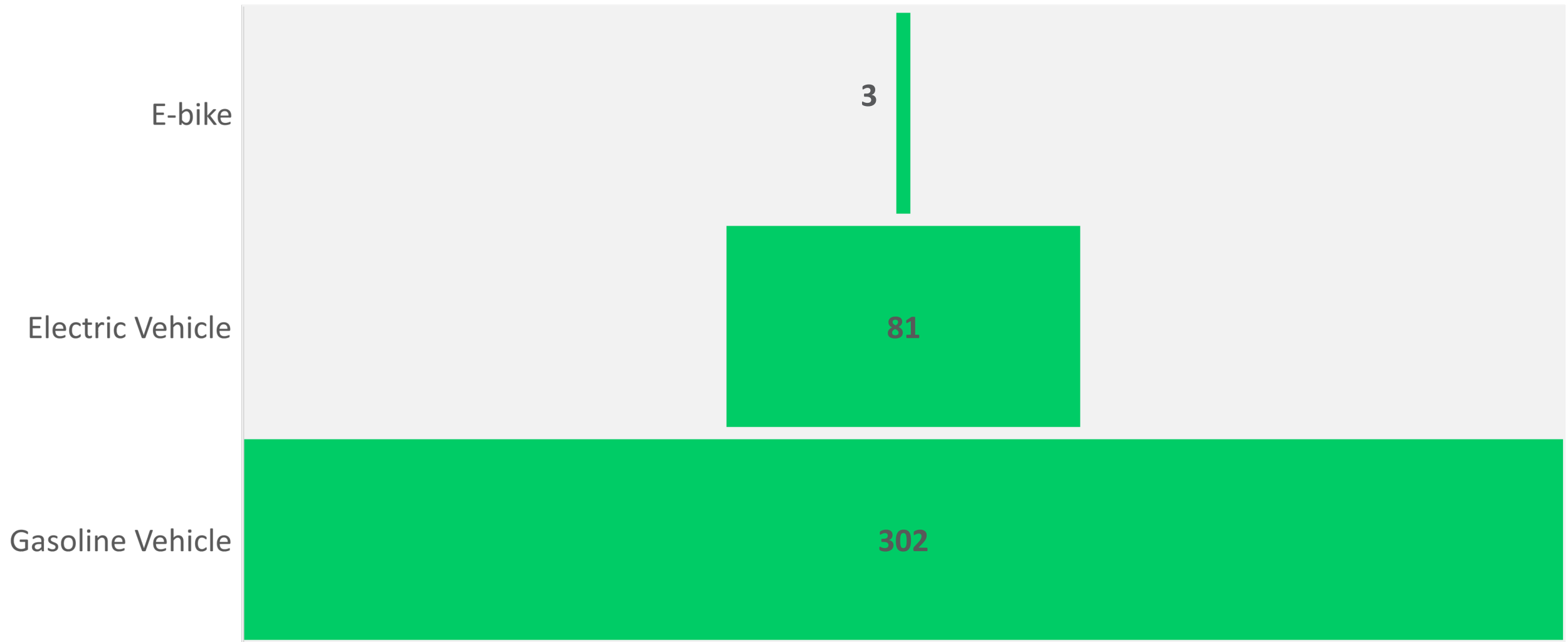
Denver Climate Action 2020 Recommendations Report

Developed by the

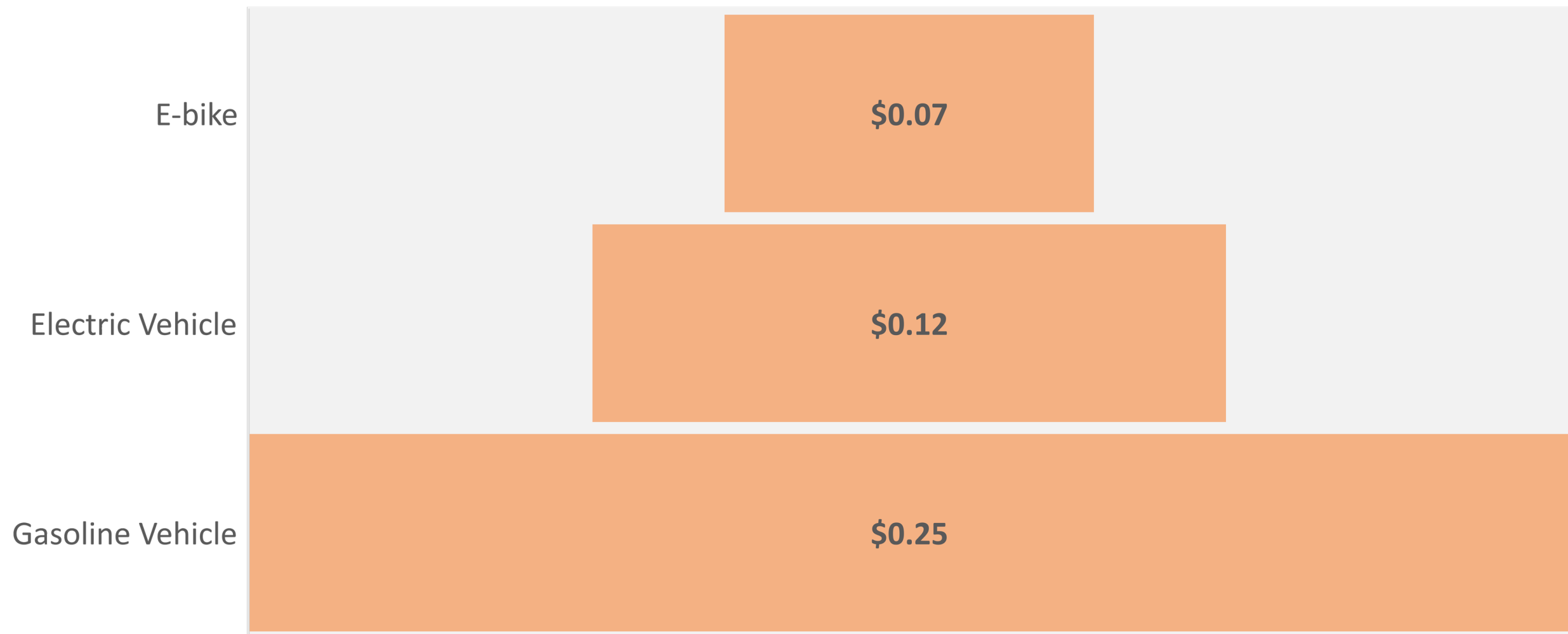
Denver Climate Action Task Force

“Evaluate how to create equitable programs that offer subsidies or vouchers to individuals who purchase...e-bikes.”

GHG Emissions, grams per mile



Cost per mile



E-bike Potential

SHARE OF ALL TRIPS BY MODE



2%

BICYCLE AND MICOMOBILITY



6%

BUS OR RAIL



7%

WALK



36%

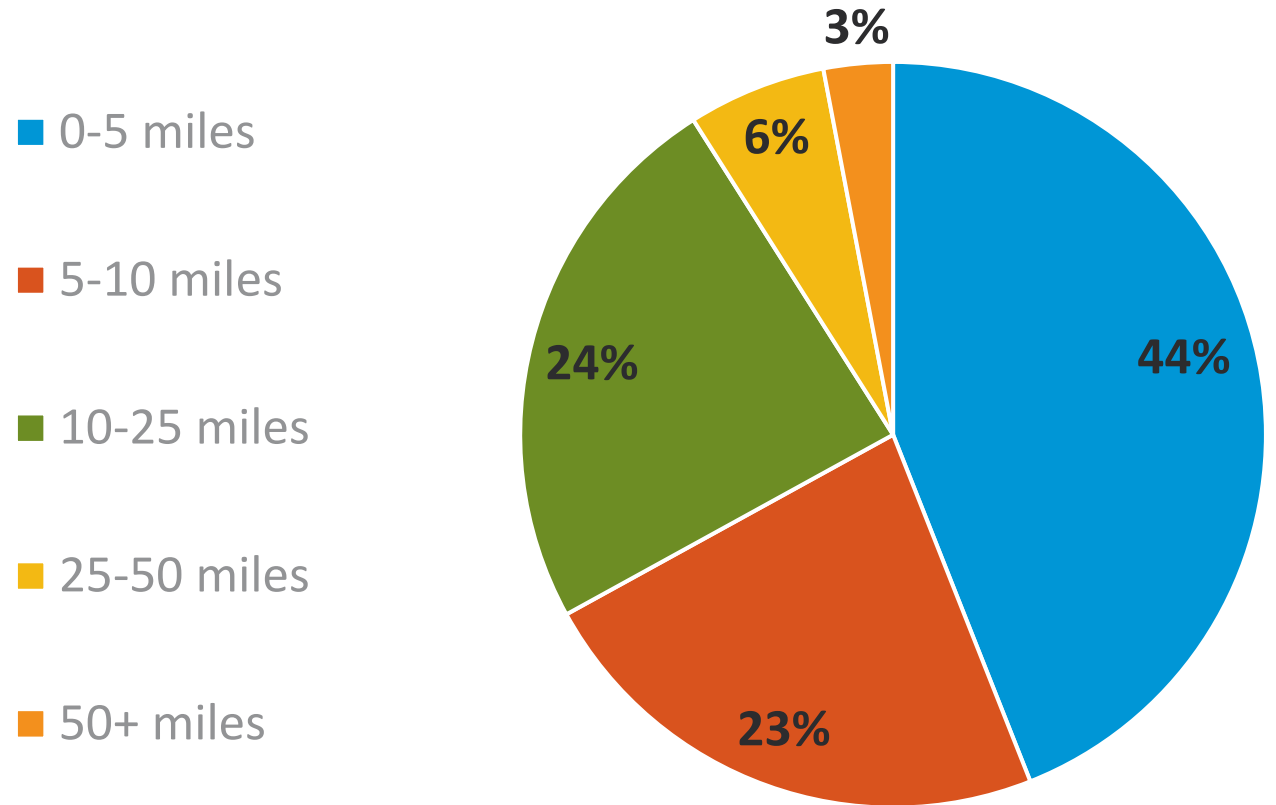
CARPOOL



49%

DRIVE ALONE

Vehicle Trips in Denver





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



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)

CBO and Adaptive Vou

219 Vouchers redeemed from Commu
Organizations
11 Adaptive e-bikes redeemed



Results to date

- 7,950 vouchers redeemed
- \$7.5 million spent
- 30 participating local bike shops



E-bikes as Climate Champions

- Average voucher redeemer riding 26 miles and replacing 3.4 vehicle trips per week
- Equates to 180,000 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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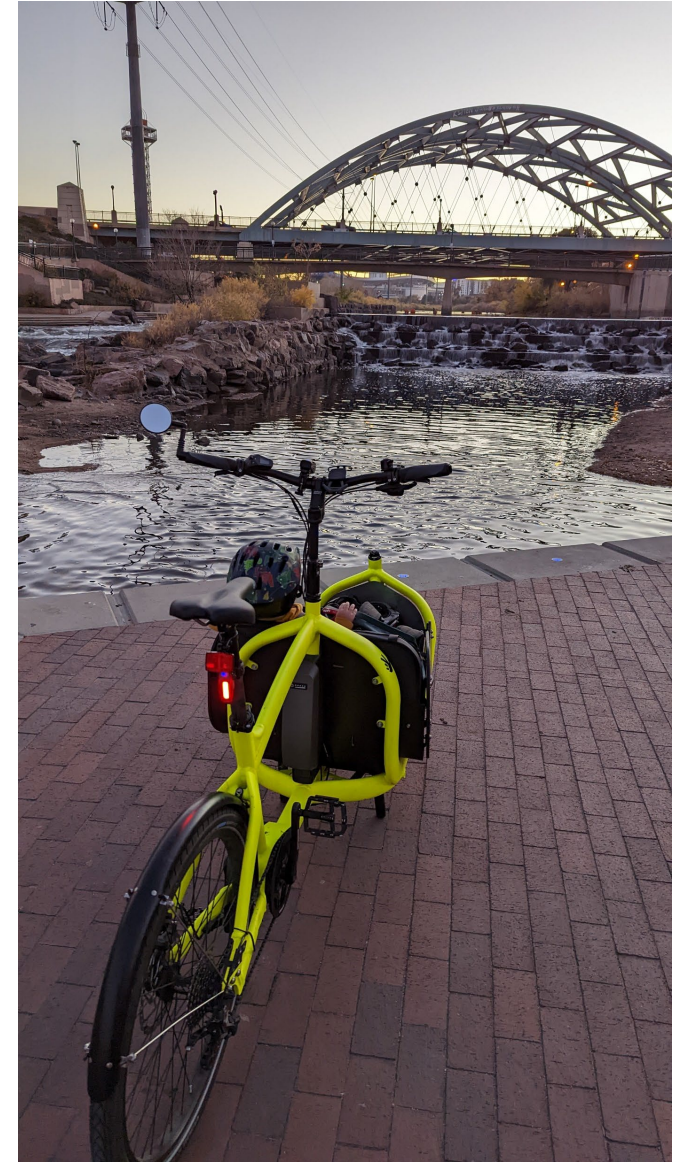
Thank you!



Additional Slides

E-bikes as Mobility Champions

“I never thought I would EVER ride a bike to work (I hate being sweaty, carrying different clothes, or exercising just to get to work) but now with my e-bike, I can skip the car, and it takes 1/2 the time of the bus. Taking the bus requires a 20-minute walk or taking two buses while riding the bike is 15 minutes flat to work. I love it. It has added a way for me to be outside and enjoy nature. It provides exercise when I would otherwise not get it, and it allows me to explore and use our city trails and bike routes I have not used before. It's great seeing the city from a different point of view and to be able to leave my car or bus behind! LOVE IT.” **Laura Morales**



Thank
you!



What's New in 2023?

- Program relaunched on January 31st
- Shifted application opening time
- Reduction in Standard Voucher from \$400 to \$300
- Reduction in Cargo bike adder from \$500 to \$200
- Applications open every other month
- Adaptive-bike voucher of \$1,400
- Working with community-based organizations to directly provide vouchers to under-resourced individuals
- Planning to partner with NREL on data collection



Mobility

“I enjoy my e-bike a lot! It's been very relaxing to get to places when I find bike friendly paths, and a lot quicker than a traditional bike.” De’Alsha Diamond



Mobility

“I ride my e-bike most days with my 2year old daughter on the back. We run errands mostly on the bike and we also enjoy riding to coffee together. It’s our thing!!” Nerida Mason



Mobility

“For fun, for exercise, as a meditation and honestly the ebike has been the best medicine for my body, mind and heart during really challenging times. Thank you!” Caitlin Webb



Mobility

“I sold my 2017 Tacoma due to rising gas prices and its poor gas mileage. I purchased the bike, a tow-behind trailer for my kids, and saddlebags for the bike. It has become our family workhorse for taking the kids to and from school, quick grocery getter, and my primary means for transportation from my house in University area to my office in Wheat Ridge. 12.5 miles each way.” Jeff Gonzales

