

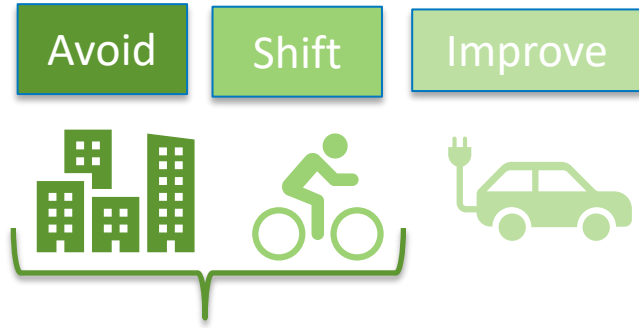


# Understanding Mobility Behavior Using OpenPATH

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Andrew Duvall & Abigail Wheelis

# Why was OpenPATH Created?



40% - 60% decarbonization

If you cannot measure it,  
you cannot improve it

## Pilot Program Sheds Light on E-Bike Use Patterns, Energy-Efficiency Benefits

Analysis Shows E-Bikes Are an Effective, Energy-Saving Alternative to Other Travel Modes

April 27, 2021 | Contact [media relations](#)



The National Renewable Energy Laboratory (NREL) partnered with the Colorado Energy Office to assess the travel-behavior impacts of providing low-income essential workers with e-bikes during the COVID-19 pandemic. Analysis results indicate that, among participants during the study period, e-bikes were the dominant travel mode for 30% of trips, followed by shared rides at 29% and single-occupancy-vehicle trips at just 20%.

Launched in fall 2020, the Colorado Energy Office's [Can Do Colorado eBike mini-pilot](#) was designed to encourage



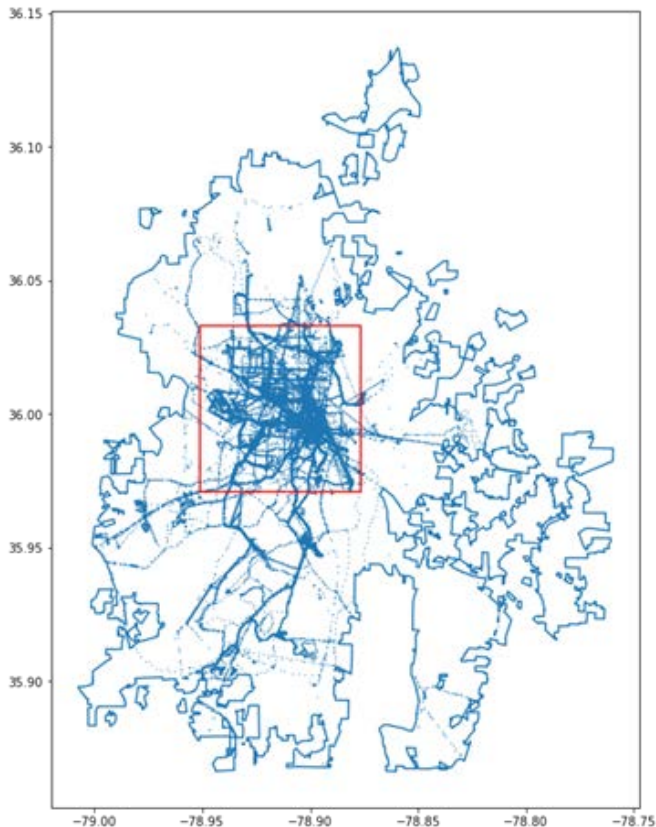
## NREL OpenPATH Tool Enables Expanded E-Bike Pilot Program To Demonstrate Energy-Efficiency Benefits

July 11, 2022 | By [Natasha Nguyen](#) | Contact [media relations](#)

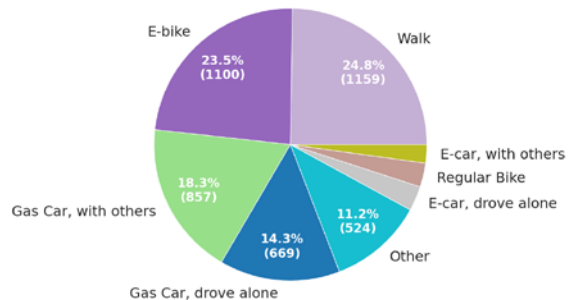


Participants cruise through Durango, Colorado, as part of 4Cone's e-bike pilot program, "Roll-to-Restaurants." Photo by Laura Heider, 4CONE

# What data does OpenPATH collect?

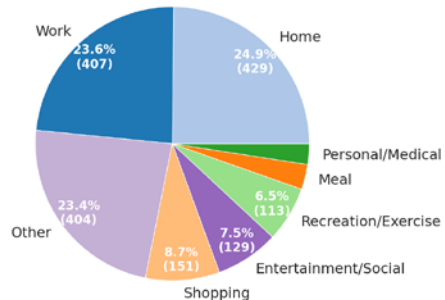


Number of trips for each mode (selected by users)  
Based on 4681 confirmed trips from 90 users  
of 8698 total trips from 104 users (53.82%)



Last updated 2023-06-07T21:00:17.317021+00:00

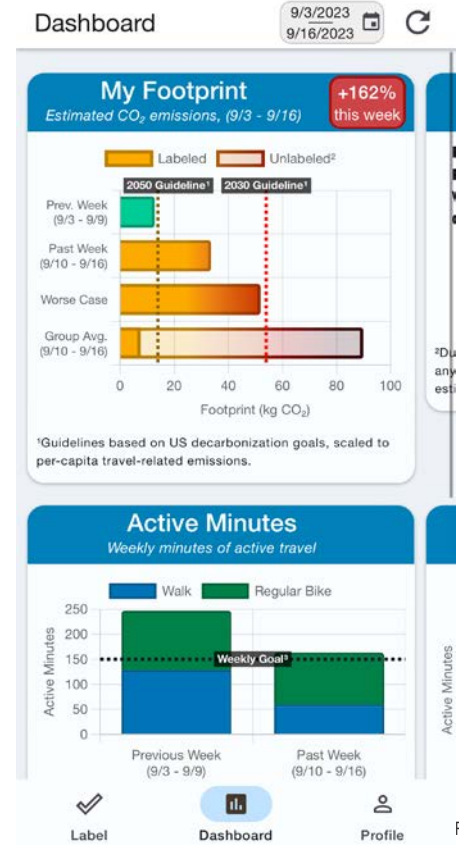
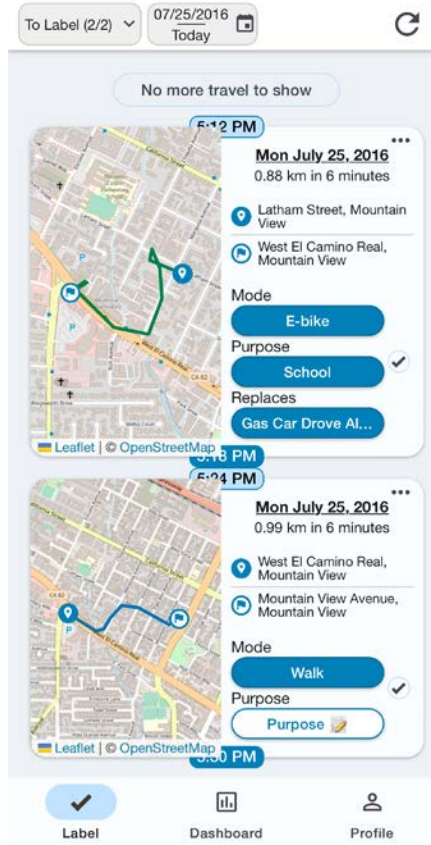
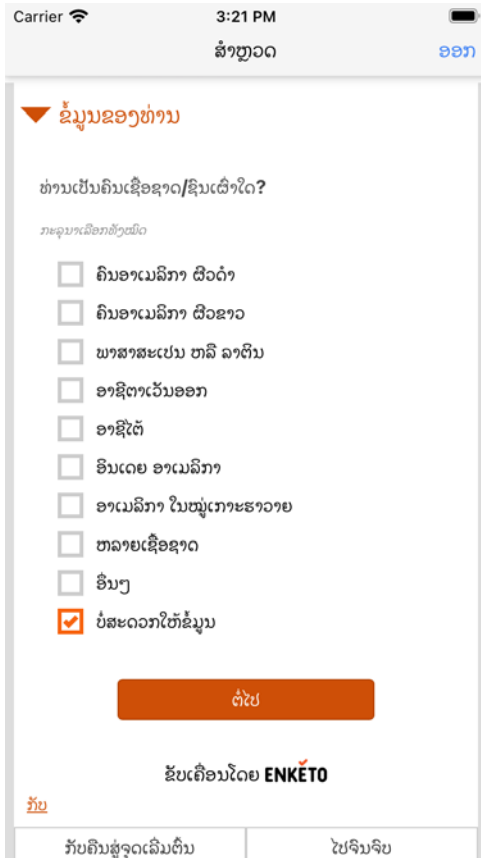
Number of trips for each purpose for e-bike only  
Based on 1726 confirmed e-bike trips from 57 users  
of 6128 total confirmed trips from 58 users (28.17%)



Last updated 2023-06-07T12:17:22.617365+00:00

- Mode
- Purpose
- Replaced Mode
- Route
- Demographics
- Trip Surveys

# How does it work?



# Initialize Project



# Download App



OpenPATH

# Scan Code

<https://<program>-openpath.nrel.gov>

## Join the Study

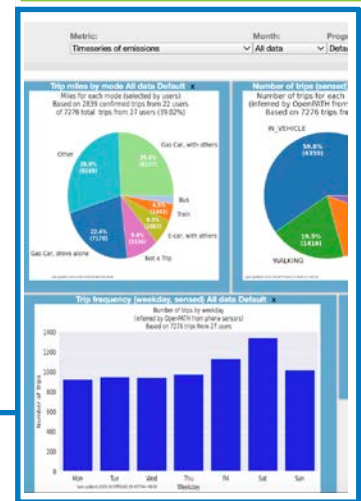
After you have installed the NREL OpenPATH app on your phone, join the study by scanning the QR code or copying the OPcode (OpenPATH token) using your phone.



# Collect Data



# View Dashboards



## Open Access Study



<https://open-access-openpath.nrel.gov/join/>

# Questions?

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[www.nrel.gov](http://www.nrel.gov)

NREL/PR-5400-87744

