

Richard Amore, PLA/AICP

Programs Director Local Motion

November 1, 2025

VECAN Conference Fairlee, VT



Local Motion's mission is to make it safe, accessible, and fun for everyone to bike, walk, and roll in Vermont.







Streets as Places

VT Department of Housing and Community Development



About Us

auggaatad kautaa







Local Motion's work is roughly divided into three categories: Education, Advocacy, and Services.

- Our multi-age **education programs** include Bike Smart & Walk Smart; general workshops on commuting; group rides, and more.
- Our advocacy and technical assistance is focused on improving on-street infrastructure and policy at both the state and local level with the goal of making Vermont streets safe and comfortable for all users.
- Our services include the world-class Bike Ferry at the Colchester Causeway, free secure Valet Bike Parking at events around the state, and our Trailside Bicycle Rental Center at the Burlington waterfront. We also host a fleet of e-bikes for demo events around the state and offer an interactive map with

Pop-up Demonstration Projects

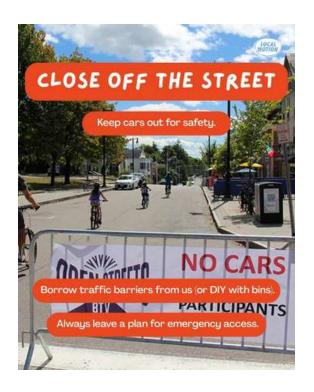




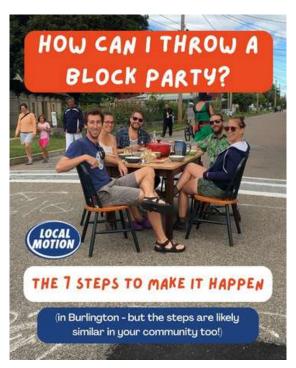


Leading Resource











One of our Fundamental Beliefs:



Streets and roads are for all Vermonters

Everyone should be able to get to where they need to go without risking their lives, and should have freedom of movement by their preferred mode of transportation.

- People walking
- People using wheelchairs and assistive devices
- People driving
- People using transit
- People biking

Volunteer Opportunities



Volunteers make our work possible!

Every year, hundreds of volunteers donate thousands of hours to support Local Motion's mission... with:

- Valet Bike Parking
- Group Rides
- Ferry Dockside Ambassadors
- Bike Smart bike cleaning/tuning
- See <u>www.localmotion.org/volunteer</u> for current options



Your support can take us there.



Local Motion offers programs and services to communities across Vermont. Most of these are free or by donation, to encourage the choice for active transportation and recreation without financial barriers.

Your support helps to offset the significant costs of running these programs and services and helps their impact continue to grow.

We are a 1% for the Planet Environmental Partner. Learn more about giving to Local Motion through 1% for the Planet here.

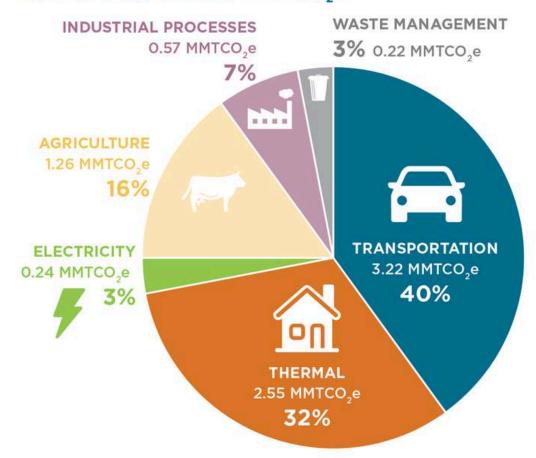




WHY? The best trip is the trip not taken.

Vermont's GHG emissions by sector LOCAL MOTION

Total emissions: 8.09 MMTCO,e



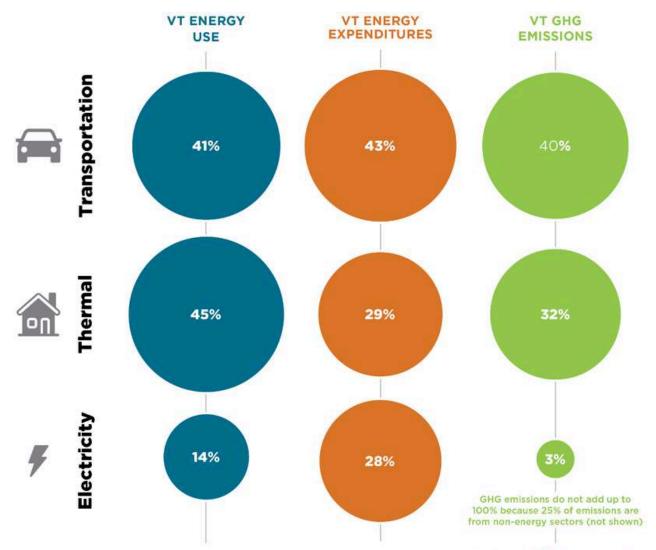
Source: Vermont Agency of Natural Resources, "Vermont Greenhouse Gas Emissions Inventory and Forecast: 1990-2022," 2025. **Note:** A small amount



of emissions from the "fossil fuel industry" category (i.e., fugitive emissions from fossil gas pipelines in VT), accounting for 0.4% of Vermont's overall emissions in 2022, is not visible on this graph.

Energy Use, Expenditures, and GHG





Sources: For 2023 energy use: Vermont Department of Taxes, 2025; EIA State Energy Data System, 2025; Vermont Department of Public Service; 2023 energy expenditures: Vermont Department of Taxes; VGS; Vermont Department of Public Service; and EIA State Energy Data System, 2025, For 2022 GHG emissions: Vermont Agency of Natural Resources, "Vermont Greenhouse Gas Emissions Inventory and Forecast: 1990-2022," 2025. Note: This graph reflects the share of statewide total energy expenditures by sector. Previous versions of this graph showed only household energy expenditures by sector.

The Hidden Environmental Impacts of Driving

"Electrifying the fleet will indeed bring numerous benefits, but simple changes to allow more people to live in places where they can drive less and take shorter trips will be vital for making up the difference.

With nearly half of all car trips just three miles or less, these VMT reductions could easily be met by switching more trips to other modes of travel such as walking, biking, or transit."



AOT's Carbon Reduction Strategy



Transportation Carbon Reduction Strategy

Completed in November 2023 for the Agency of Transportation, the Carbon Reduction Strategy provides direction for spending certain federal funds to reduce transportation sector emissions.

While federal funding is insufficient to implement all elements, the Strategy will be used to shape the Capital Program for Vermont's transportation infrastructure and inform other policies.

Carbon Reduction Program Funding Priorities for State-Directed Funds

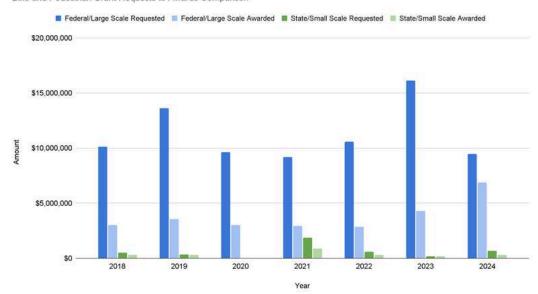
Project Type		Examples	Implementation to Date
1.5 0	Bicycle & Pedestrian Projects	Shared-use paths, bike lanes, and sidewalks	\$4.0 million
₩	Mobility & Transportation Innovation	Microtransit, shuttles, carshare	\$3.0 million
	Fleet Conversion	Public transit and fleet electrification	\$5.4 million
=	Agency of Transportation	Light-and heavy-duty equipment electrification and charging infrastructure	\$1.1 million



AOT and **FHWA** are not meeting the







State Fiscal Large Scale % Small Scale %				
State Fiscal	Large Scale %	Sman Scale %		
Year	Funded	Funded		
2018	29.64%			
2019	26.21%			
2020	31.11%	Not offered.		
2021	32.07%	46.44%		
2022	26.80%	50.17%		
2023	26.48%	95.02%		
2024	72.58%	48.21%		
Average	28.72%	67.11%		

Climate Action Plan on



Franscortation

Pathways

- 1. Electrify cars
- 2. Electrify trucks
- 3. Drive less
- 4. Lower carbon intensity of fuels

Emissions continue to grow higher





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Despite efficiency gains, rising travel demand pushes emissions higher

Posted on October 7, 2025

Emissions continue to grow higher



These gains have not been sufficient to offset the growing demand for transport. Historical energy transitions in the transport sector have consistently resulted in increased final energy consumption, regardless of improvements in final-to-useful efficiency.... For future policies to succeed in reducing CO2 emissions, either technological improvements should increase drastically to match the demand growth, or policies should start prioritizing demand-side factors, namely in reducing individual transport demand.

How do we drive less?



We can do this by:

- Getting onerous government regulations out of the way of providing more homes where people naturally drive less;
- Making safety the top priority for street design to encourage more short trips;
- Instituting GHG reduction and less driving as goals of the transportation system;
- Investing heavily in other options for getting around; and
- Prioritizing access to destinations.



Sprawling development requires drivers to take more trips—and longer trips.

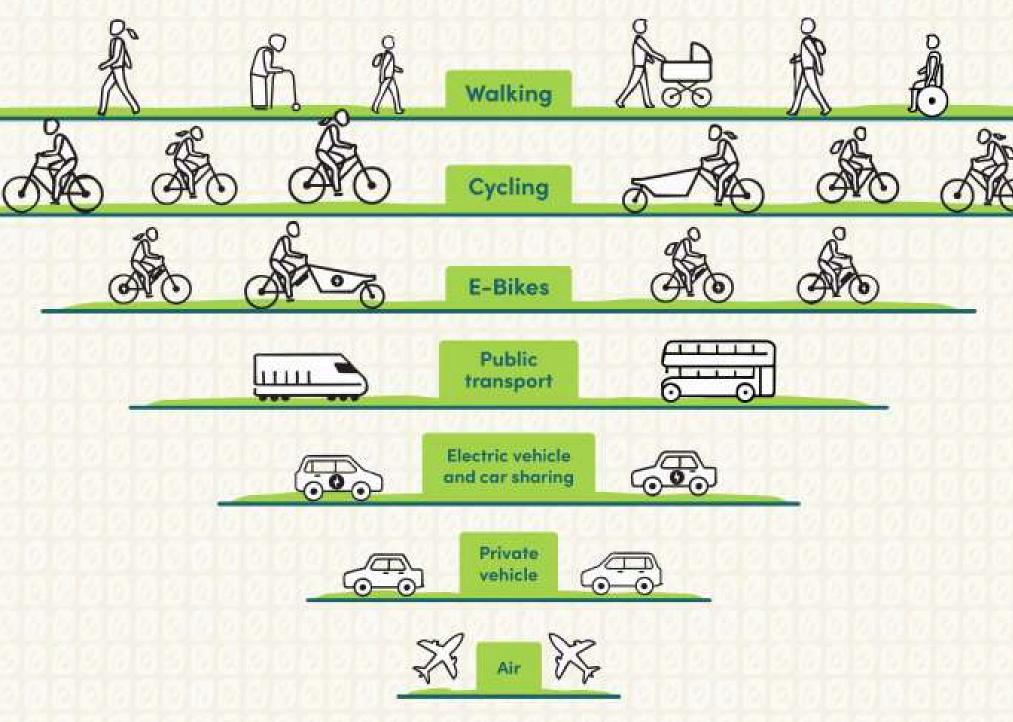
Like Jane, every day Jeremy drops his daughter off at school, drives to work downtown, and picks up groceries on the way home. Walking, biking, rolling, and transit are not safe or realistic options.





Clustered development allows drivers to take fewer, shorter trips

Every day Jane drops her granddaughter off at daycare, drives to work, and picks up groceries on the way home. Walking, biking, rolling, or transit are usually safe and convenient options.

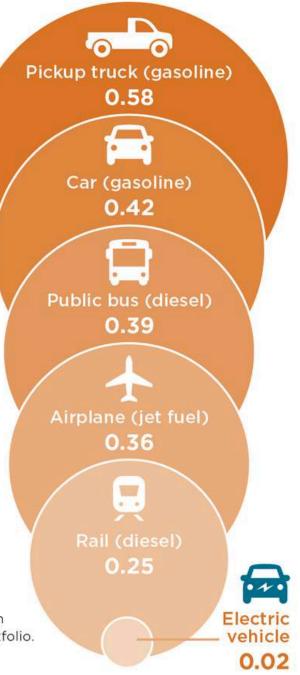


Pounds of CO₂e per passenger-mile by vehicle type (fuel emissions only)

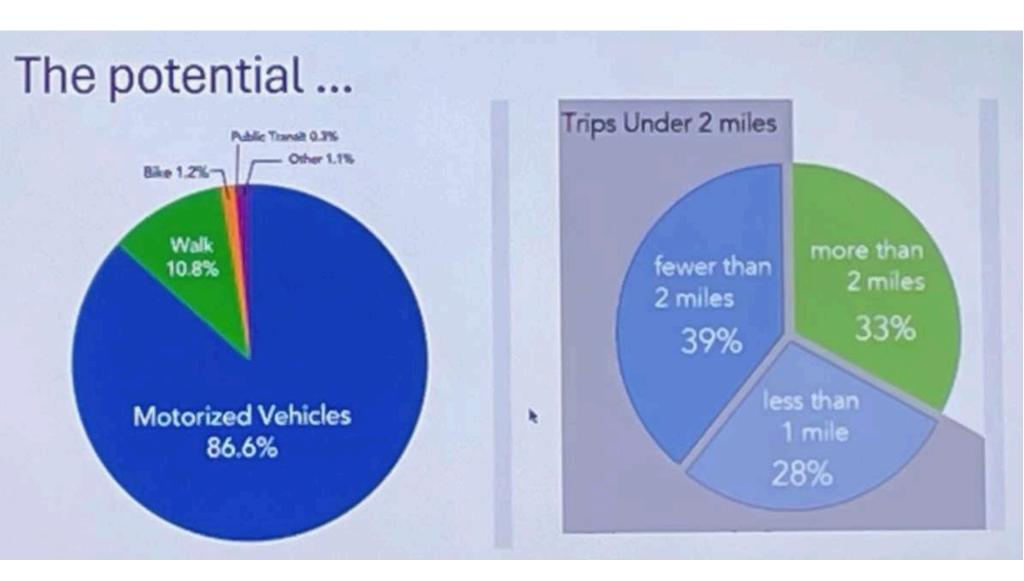


Walk/bike 0

Sources: U.S. Department of Energy,
"Transportation Energy Data Book: Edition
40," 2022; Congressional Budget Office,
2022. Fuel emissions factors from EIA.
Estimates for pickup trucks, gas cars, and
EVs calculated using VT average vehicle
occupancy of 1.58. Estimate for rail assumes
23.2 passengers, for airplane assumes 120.4
passengers. Notes: Emissions can vary
significantly depending on occupancy levels.
Electric vehicle emissions calculated based on
the emissions intensity of VT's electricity portfolio.







The Only Way to 1.5°C

As we recover from COVID-19, we must choose how our cities will grow. Recent research studied four possible scenarios for the future. Only one scenario is consistent with limiting global warming to less than 1.5 °C and avoiding the worst effects of climate change.





This is my life....in a rural and walkable community

















What if our greatest transportation solution isn't a technology... but a shift in how we live, move, and connect?





Statewide Planning Goal #1

To plan development so as to maintain the historic settlement pattern of compact village and urban centers separated by rural countryside.

24 V.S.A. § 4302 (c) (1)





photo credit: NPS National Register of Historic Places Nomination





BRISTOL**≭CORE**

Main Street Intersection - Bristol, VT



BRISTOL**≭CORE**

Town Green Playground - Bristol, VT













If you design streets and places for cars, what do you get?



If you design streets and places for people, what do you get?



"I truly believe that if you can change the street, you can change the world."

Janette Sadik-Khan, Commissioner of the New York City

















Where you can dance, share the love, and reduce the emissions!







* Church Street in Burlington, Vermont in 1979. . .







Exploring a Vision | Streetscape Improvements









Green Mountain Meetups: Vermonters Break Bread, Dance and Forge Communities in 'Third Spaces'

By RACHEL HELLMAN (1) (2) (3)



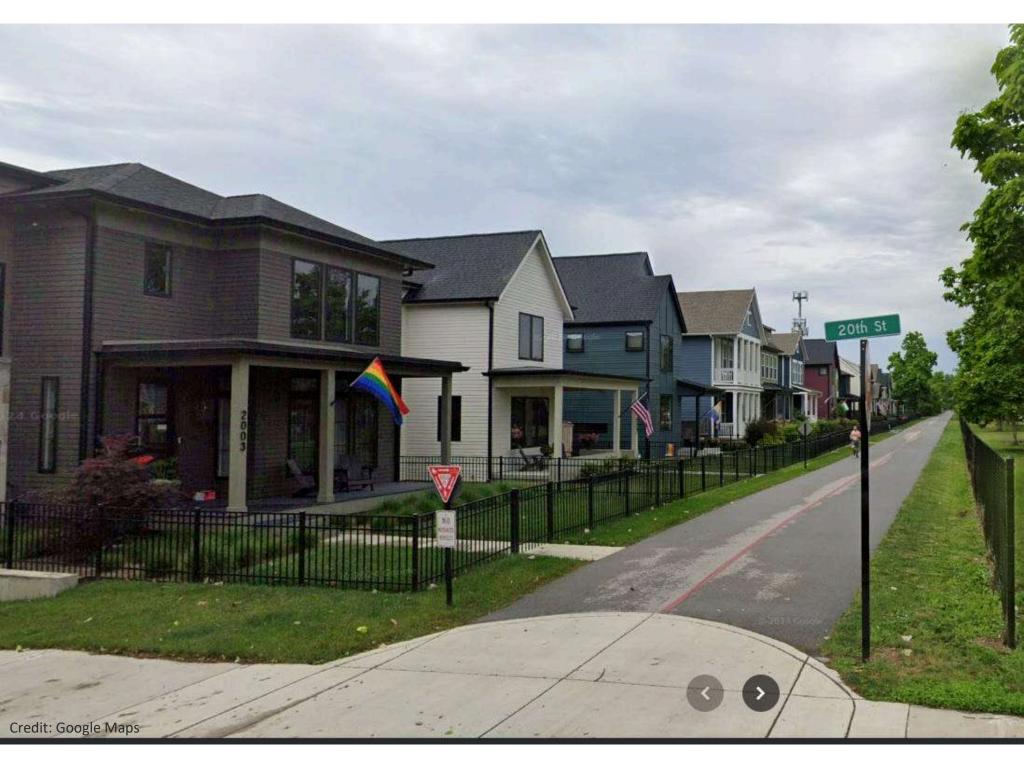






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THE BEST HIP IS HIE HIP HOL taken: every step, every bike ride, every choice to walk is a vote for a lowercarbon, connected, and



Let's Build our Future – Show Me The Money



Vermont Community
Development
Program (CDBG)

Caring for Canopy Grants ANR – FP&R

EVSE grants – ACCD/VTrans

Municipal Planning Grants - ACCD



The Power of E-bikes and Everyday



VBikeSolutions.org

VBike Solutions Free Consultation



can take you farther and faster than a conventional bike, while still providing exercise by offering incentives to help offset the cost.

KE REBATE

LOCALLY FOR AN INSTANT REBATE

rent Burlington resident (or purchasing on behalf of a Burlington business), bring your ID along with a piece of mail w address to receive up to \$600 in a point-of-sale rebate on an e-bike. The rebate may be redeemed at a participating address may receive up to an additional \$250.















Electric Bike Rebate

> Looking to clean up your daily commute? GMP customers can save \$200 when you buy a new ebike for your commute!

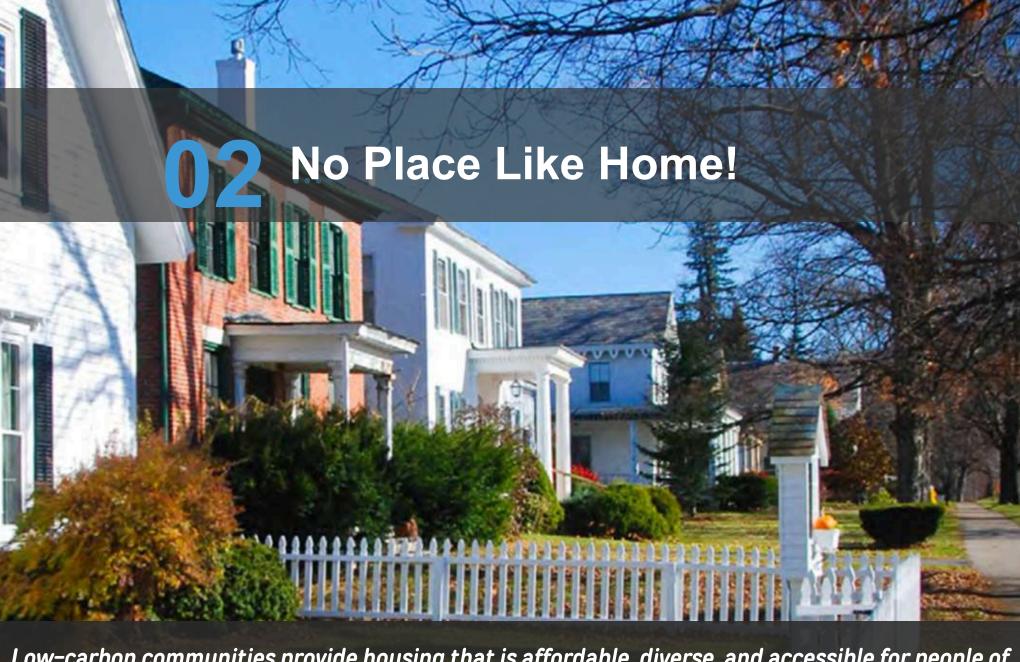








and include sidewalks, bike paths, parks, and green spaces near housing and businesses.



Low-carbon communities provide housing that is affordable, diverse, and accessible for people of all ages and abilities, enabling everyone to live close to daily needs, services, and opportunities.



Low-carbon communities are vibrant places where life unfolds close to home—local shops, cafes, parks, and essential services all connected by safe, walkable streets. These compact, mixed-use places reduce emissions, build connection, and make everyday living more joyful and sustainable.



Accessible parks and third places are vital infrastructure for low-carbon living. They support social connection, reduce travel demand, and strengthen the civic and emotional fabric of our communities—key ingredients of a truly sustainable future.

1)5 Transit, electrification, and EVs



Investing in transit, electrification, and EVs plays an essential role in building a low-carbon future but these solutions work best when paired with communities designed for people. To truly reduce emissions, we need places where walking, biking, and transit are easy, everyday choices.

6 Know When to Get out of the Way!

COMMUNITY-LED DEMONSTRATION PROJECT POLICY + GUIDE

City of Burlington, VT | April 2016





Make it easy and get out of the way for local folks to create resilient and low carbon communities. This one's for you local and state governments!



Building a vibrant, low-carbon community is as much about changing hearts and minds as it is about changing streets and buildings





Forget the damned motor car and build places for lovers and friends.

Lewis Mumford

Thank You. Welcome to the Traffic



Richard Amore

Richard@localmotion.org