

TRANSPORTATION						
Strategies	Actions	Overall Priority Ranking	Lead Implementer (Post Legislative Action)	Co-Implementers / Key Stakeholders	Action Status	Status Notes
1 Electrification (Light-duty fleet)						
1b EV Purchase Incentives	Fund incentives for and further administration of the Incentive Program for New Plug-in Electric Vehicles (PEVs), MileageSmart, Replace Your Ride Incentive Program and Electric Bike Incentive Program.	High	Agency of Transportation	Agency of Natural Resources	Being Implemented	VTrans has contracted with the Center for Sustainable Energy for administration of New PEV, Replace Your Ride, and eBike incentives programs. The 2023 TBill authorized a \$500,000 one-time GF expenditure for an Electrify Your Fleet Program and an additional \$50,000 for e-bike incentives. The 2023 TBill also expanded increased eligibility.
1b Feebate	Design and implement a vehicle efficiency price adjustment linked to new vehicle purchase and use tax within vehicle classes to incentivize purchase of more efficient vehicles (electric vehicles in particular) and disincentivize purchase of less efficient vehicles.	High	Agency of Transportation	AOT, Department of Motor Vehicles	Action Modified - Advancing	The Carbon Reduction Strategy is evaluating the potential effectiveness of a Feebate.
1c Public Investment in Electric Vehicle Supply Equipment	Fund further build-out of DCFC (Level 3) and Level 2 EVSE based on the EVSE Deployment Plan developed by Drive Electric Vermont pursuant to VTrans' Multipronged Vehicle Electrification Strategy and continue to coordinate regional efforts. Incorporate prioritization of multi-family and workplace charging availability.	High	Agency of Transportation	Interagency EVSE Working Group	Advancing	The Agency has received funding through the National Electric Vehicle Infrastructure Program.
1c Public Investment in Electric Vehicle Supply Equipment	Direct the PUC to work with electric utilities in developing beneficial EV charging electricity rates and alternative demand charge rate designs for low utilization, high power charging locations.	High	Public Utility Commission	Public Utility Commission, Utilities	Advancing	
1a Technology forcing regulatory programs	Adopt California Air Resources Board Advanced Clean Cars II Regulations beginning no later than Model Year 2026.	High	Agency of Natural Resources	OEMs, AOT, DPS, ACCD	Completed	ACCII, ACT, Low NOx Omnibus and Phase 2 GHG rules were adopted by ANR in December 2022
1e Educate student drivers on benefits of electrification and other transportation options to reduce VMT	Fund implementation and further enhancement of a unit within Vermont's driver education curriculum to educate student drivers about electric and high efficiency transportation options, as well as how to reduce VMT via use of other transportation options.	High	Agency of Natural Resources	Agency of Education, Department of Motor Vehicles	Action Modified - Being Implemented	Development and implementation of a Clean Transportation Education and Outreach Program being delivered to high school-level science, technology, engineering, and mathematics (STEM) and/or driver's education students. (not a required component of the driver's education curriculum.)
1d Participate in carbon market for transportation fuels	Join the Transportation and Climate Initiative Program, when regional market viability exists; adopt rules to participate in the TCI program starting in 2023. Enact a complementary policy that goes further to ensure equity outcomes (consider a firewalled fund, establish an expanded equity board, direct a minimum/significant investment in LI, rural, overburdened and underserved communities, e.g. 70%) and have funds go to transportation related or efficient transportation enabling investments.	High	Agency of Natural Resources	Agency of Natural Resources, Agency of Transportation, Public Service Department	No Action Taken	
2 Electrification (Heavy-duty fleet)						
2a Technology forcing regulatory programs	Adopt California Air Resources Board Advanced Clean Trucks Rule, Low Nox Omnibus Rule, and Phase II GHG Rule for Truck Trailers. Fund incentives for medium and heavy duty electric fleet purchases.	High	Agency of Natural Resources	OEMs, AOT, DPS, ACCD	Being Implemented	ACCII, ACT, Low NOx Omnibus and Phase 2 GHG rules were adopted by ANR in December 2022
2b Electrify MHD vehicle auxiliary systems	Fund programs that incentivize electric auxiliary systems, such as (but not limited to) hybrid-electric bucket trucks and electric transport refrigeration units.	High	Agency of Natural Resources	Agency of Natural Resources, Agency of Transportation	Action Modified - Advancing	Electrification of limited types of MHD auxiliary systems (i.e., transport refrigeration units only) are eligible for funding under the existing Diesel Emissions Reduction Financial Assistance Program.
3 Reduce VMT						
3a Increase state, regional and local capacity to implement sustainable transportation strategies	Require VTrans, in coordination with the Climate Council and legislative committees of jurisdiction, to develop a state sustainable transportation implementation plan to include: 1) Identification of VMT benefits of Smart Growth, 2) VMT reduction targets, 3) Determination of the appropriate level of investment across transportation modes to achieve short and long-term goals and funding necessary to achieve those goals, 4) Support of RPCs and municipalities to develop local and regional transportation planning.	High	Agency of Transportation	Agency of Transportation	Action Modified - Advancing	VTrans has a current related study and several related plans development underway.
3a Increase walking and biking	As a core component of developing a state sustainable transportation implementation plan, require VTrans to develop a multi-year plan to increase availability and use of transit and micro-transit to achieve a more robust, integrated public transportation system.	High	Agency of Transportation	Agency of Transportation	Advancing	Overseeing 5 microtransit pilots, a "Mobility for All" demand response program, and will be updating the Public Transit Policy Plan with these actions considered

3a Increase the availability and use of public transportation	Extend fare-free transit to all public transit users.	High	Agency of Transportation	Transit Authorities, Agency of Transportation	Action Modified - Advancing	Fare Free Transit in Rural Regions of Vermont. Fares are returning to Burlington in CY24
	Fund and expand the state's Complete Streets, trails, and other bike/ped funding programs.	High	Agency of Transportation	AOT, Fare-Free Stakeholders; Vermonters; municipalities	Being Implemented	The Agency continues to support these initiatives through funding and personnel time. TPI in particular encourages a regional approach with the RPCs
3a Increase the availability and use of public transportation	Continue and expand the state's commitment to Amtrak and inter-city bus service, including micro-transit	Low	Agency of Transportation	AOT, Amtrak, Stakeholders, Commuters	Advancing	Expansion of the Vermonter to Montreal is a top priority for VTrans. Amtrak and inter-city bus should be part of a different category than micro-transit.
4 Lower carbon intensity of fuels/fuel switching						
Sequestration—by increasing the size of existing carbon pools, and thereby extracting carbon dioxide (CO2) from the atmosphere; and	Join the Transportation and Climate Initiative Program when regional market viability exists; adopt rules to participate in the TCI program starting in 2023. Enact a complementary policy that goes further to ensure equity outcomes (consider a firewalled fund, establish an expanded equity board, direct a minimum/significant investment in LI, rural, overburdened and underserved communities, e.g. 70%) and have funds go to transportation related or efficient transportation enabling investments.	Low	Agency of Natural Resources	Agency of Natural Resources; Agency of Transportation	No Action Taken	
Increase vehicle efficiency						
Public Investment in high-efficiency vehicle replacement programs	Further fund and implement the Replace Your Ride purchase incentives, which can be accessed in combination with programs like Mileage Smart.	Low	Agency of Transportation	Agency of Transportation; Capstone Community Action	Being Implemented	Replace Your Ride was launched Fall 2022.
Effective administration and coordination of climate change programs and policy						
Increase state government and community partner capacity	Create a climate director position in the executive branch that leads an interagency entity charged with collecting and analyzing data, planning and overseeing program implementation to assist the Climate Council planning and achievement of the GWSA's mandated requirements over time. Expand state government capacity.		Agency of Natural Resources	Agency of Natural Resources	Being Implemented	

ELECTRICITY

Strategies	Actions	Overall Priority Ranking	Lead Implementer (Post Legislative Action)	Co-Implementers / Key Stakeholders	Action Status	Status Notes
Pathway 7 Further decrease GHG emissions from electric sector purchases						
7a Develop 100% carbon free electric portfolio standard for implementation post 2030	Review design parameters of 100% carbon-free electric portfolio standard that equitably promotes electrification - Timeline for reaching 100%	High	Public Utility Commission	Public Service Department, Utilities	Action Modified - Advancing	PUC was not tasked with designing a modified RES. Industry proposal currently in legislative process.
Pathway 8 Enable All Vermonters to Choose Electrification						
8a Provide financial and technical assistance for Vermonters to upgrade electric service and to purchase and install equipment.	Develop programs for implementation regarding 200-amp service and related building upgrades, coordinated with weatherization, efficiency, and equipment incentive programs (EV chargers, HP, storage, etc.) and ensure that any potentially related statewide programs (such as Clean Heat Standard, if adopted, or enhanced weatherization efforts) includes building electrical	High	Department of Public Service	Private/Public Building Owners, Developers	Being Implemented	Incentives for weatherization, panel upgrades, and electrification are available through RES Tier 3 Programs, Act 151, and ARPA-funded DU and EEU programs.
Pathway 9 Load Management and Grid Optimization						
9a Prioritize continued efficiency, along with load control and generation/load matching.	Support direct utility load control programs, including implementation of management platform	High	Public Utility Commission	Public Service Department, Utilities	Advancing	There is no overarching PUC docket on this issue but there are discussions to various degrees in individual dockets such as Integrated Resource Plans and rate filings.
9a Prioritize continued efficiency, along with load control and generation/load matching.	Encourage dynamic rate offerings, including those designed to encourage direct load/generation matching, and rate design to support electrification through shared customer savings	High	Public Utility Commission	Department of Public Service, Utilities	Advancing	There is no overarching PUC docket on this issue but there are discussions to various degrees in individual dockets such as Integrated Resource Plans and rate filings.

BUILDINGS / THERMAL ENERGY

Strategies	Actions	Overall Priority Ranking	Lead Implementer (Post Legislative Action)	Co-Implementers / Key Stakeholders	Action Status	Status Notes
Pathway 5: Reduce energy use in buildings by at least 25% through cost-effective and affordable weatherization and energy efficiency improvements, as well as through use and enforcement of energy codes.						
5a 1 - Develop and implement a multi-year statewide "Weatherization at Scale" initiative	1 – Adopt legislative or administrative recommendations made by the Weatherization at Scale EAN Action Team (WWG)	High	Department of Public Service	DPS, Vermont utilities, Efficiency Vermont, CAPs and other consumer advocates	Being Implemented	Significant funding was made available for Weatherization in Vermont’s 2021 and 2022 Budgets: \$89 M for low-and moderate income weatherization, \$9 M for a weatherization repayment assistance pilot, \$2 M for workforce development
5a 1 - Develop and implement a multi-year statewide "Weatherization at Scale" initiative	2 - Legislature authorizes administration to coordinate WWG recommendations into Vermont Climate Action Plan.	High	Department of Public Service	DPS, Vermont utilities, EVT, CAPs and other consumer advocates	Action not defined	Unclear which recommendations this applies to
5a 1 - Develop and implement a multi-year statewide "Weatherization at Scale" initiative	3 – Encourage utilities to develop and submit tariff on-bill financing proposals to fund efficiency investments to the Public Utilities Commission for review and approval pursuant to 30 V.S.A. § 209	High	Department of Public Service	Department of Public Service, and other consumer advocates	Being Implemented	The Weatherization Repayment Assistance Pilot is being implemented by VHFA. Several DUs and all 3 EEU's are participating.
5a 1 - Develop and implement a multi-year statewide "Weatherization at Scale" initiative	4 -Administration appoints lead agency to coordinate government workforce development efforts to avoid duplication of effort across state government	Medium / High	Agency of Administration	Department of Labor, Agency of Education	Action Modified - Being Implemented	Department of Labor now officially participating on Inter-Agency Advisory Board to CAO
5a 1 - Develop and implement a multi-year statewide "Weatherization at Scale" initiative	5 – Develop and implement a plan for coordinating and enhancing counseling services to Vermonters with low and moderate- income who could benefit from the State’s energy savings programs (Public Service Department)	high	Department of Public Service	Community Action Agencies	Being Implemented	The five Community Action Agencies are providing Energy Coaching to LMI households
5b 2 - Institute a new rental property efficiency standard (RPES)	1 - Authorize the adoption of efficiency standards for existing rental properties, allowing for an 8-year implementation plan, the first 5 years of which would be marked by significant education and funding to ease the implementation for property owners. (a relatively *modest standard)	High	Department of Public Service	DPS and other consumer advocates	No Action Taken	An EAN working group on rental property energy standards is developing a legislative proposal.
5c 3 - Improve the energy performance of all new buildings in Vermont	1 - Regular update of the statewide residential and commercial building and energy codes by the Public Service Department culminating in a net-zero requirement by 2030	Medium	Department of Public Service		Advancing	An update to the Building Energy Codes was completed in 2023. The legislature voted to delay the effective date of the updated codes to June 2024
5c 3 - Improve the energy performance of all new buildings in Vermont	2 - Develop and fund a state-level Energy Code Circuit Rider initiative that provides code training and enforcement assistance to municipalities throughout the state to ensure awareness of and compliance with existing and future building and energy codes (Public Service Department)	Medium	Department of Public Service		No Action Taken	A summer working group is studying methods to improve Code enforcement with a report due to the Legislature in December. A coalition led by EFG and supported by the Secretary of State's office received DOE funding the further explore this issue in Vermont.
Pathway 6 – Reduce building-related carbon emissions by reducing the carbon content of their fuel use.						
6a 1 - Implement a Clean Heat Standard	1 – Adopt legislation authorizing the PUC to administer a Clean Heat Standard	High	Public Utility Commission	Public Utility Commission, PSD, ANR	Advancing	PUC is currently working on a draft rule for submission to legislature in January 2025
6b 2 - Adopt appliance standards for water heaters based on their ability to be "located" on the grid and "controlled," to ensure their optimal deployment on the power grid, and the grid's flexibility.	1 - Authorize the DPS to engage with neighboring states and stakeholders to adopt appliance standards for Vermont and the region that require electric storage water heaters for sale in Vermont to have a modular demand response communications port that complies with the ANSI/CTA-2045-A or an equivalent communication interface standard		Department of Public Service	VEIC, manufacturers, appliance retailers, utilities	No Action Taken	The Vermont System Planning Committee has initiated a Technical Working Group to discuss specifications and communications protocol for electric grid infrastructure. This particular item falls within that rubric, but calling out one technology is not a high priority of the group.