
Clean Transportation Incentive Programs Annual Review - 2024

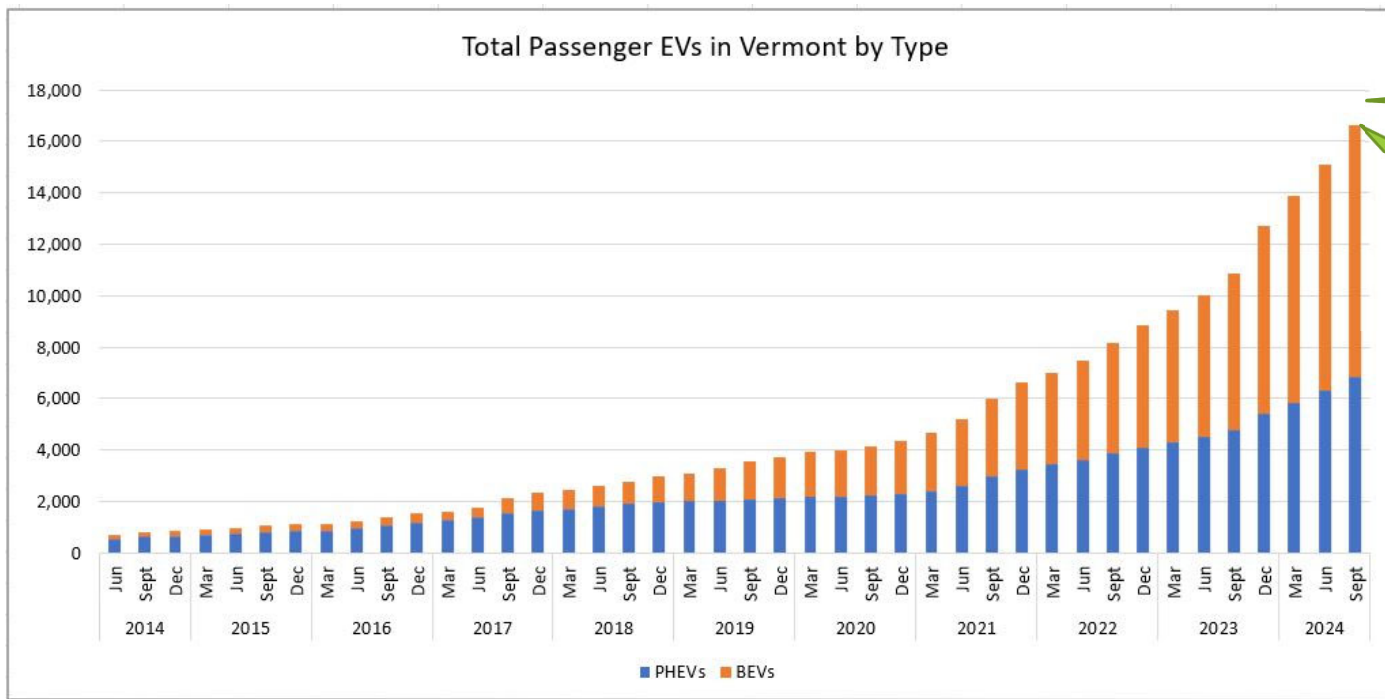
REPORT TO THE LEGISLATURE PURSUANT TO 19 V.S.A. § 2905 AND ACT 148 OF 2024, SECTIONS 20 & 21

HOUSE TRANSPORTATION COMMITTEE, FEBRUARY 5, 2025

ANDREA WRIGHT, ENVIRONMENTAL POLICY MANAGER

PATRICK MURPHY, STATE POLICY DIRECTOR

Vehicle Electrification in Vermont



2024 Q4 Est:
 ~17,800 ZEVs:
 ~7,200 PHEVs
 ~10,600 BEVs

2024 Q3
 16,755 ZEVs:
 6,837 PHEVs
 9,918 BEVs

Climate Action Plan
EV Adoption Goals
27,000 PEVs by 2025
126,000 PEVs by 2030

Clean Transportation Incentive Programs

\$27+ million
authorized

6,903 incentives issued
79% funding received by
households with lower incomes



New Plug-In Electric Vehicle
(PEV) Incentive Program

\$17.1 million authorized
\$210,000 repurposed



MileageSmart (Used High
Efficiency Vehicle Incentive)

\$6.6 million authorized
\$1.4 million added from RYR



Replace Your Ride

\$4.5 million authorized
\$3.245 million repurposed



eBike Incentive Program

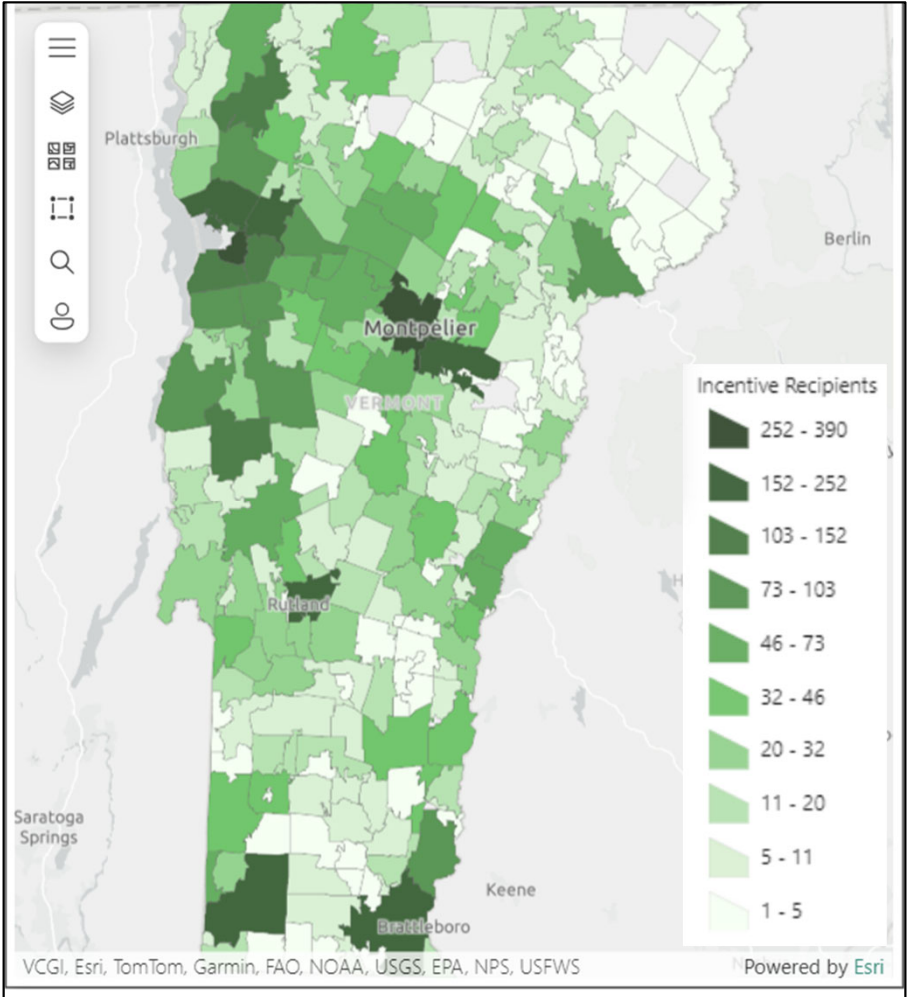
\$325,000 authorized



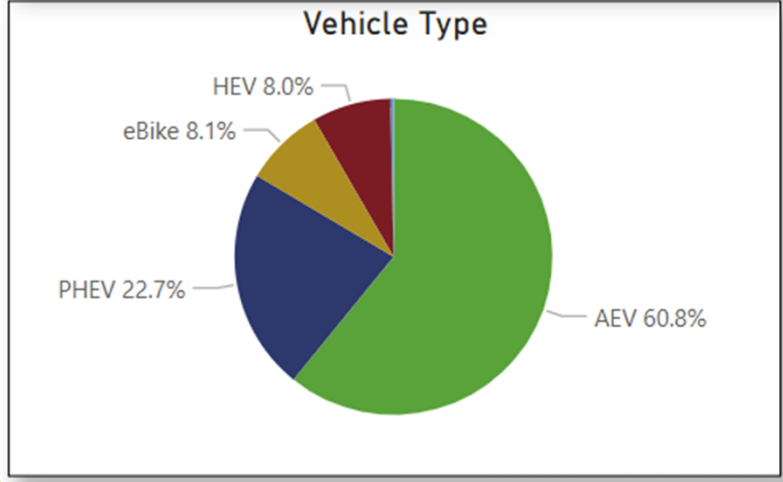
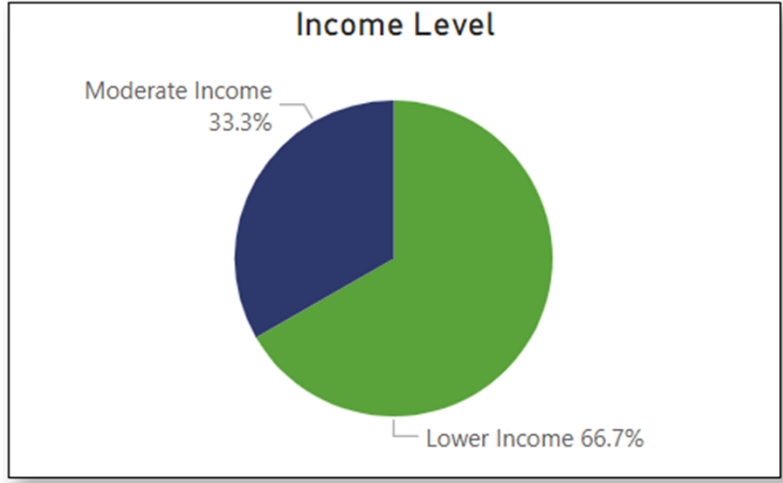
Electrify Your Fleet

\$500,000 authorized

Count of All Clean Transportation Incentives by Resident Zip Code

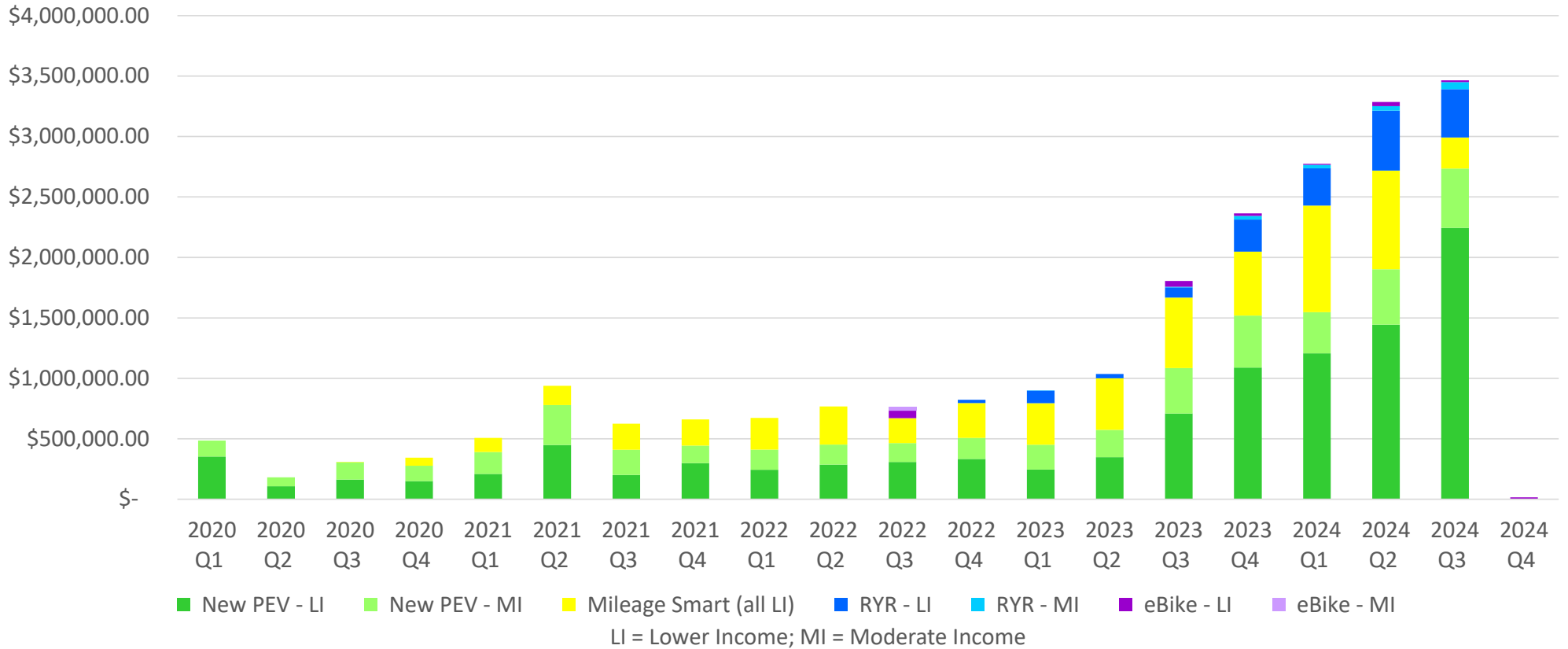


% of All Incentives Issued by Income Level and Vehicle Type



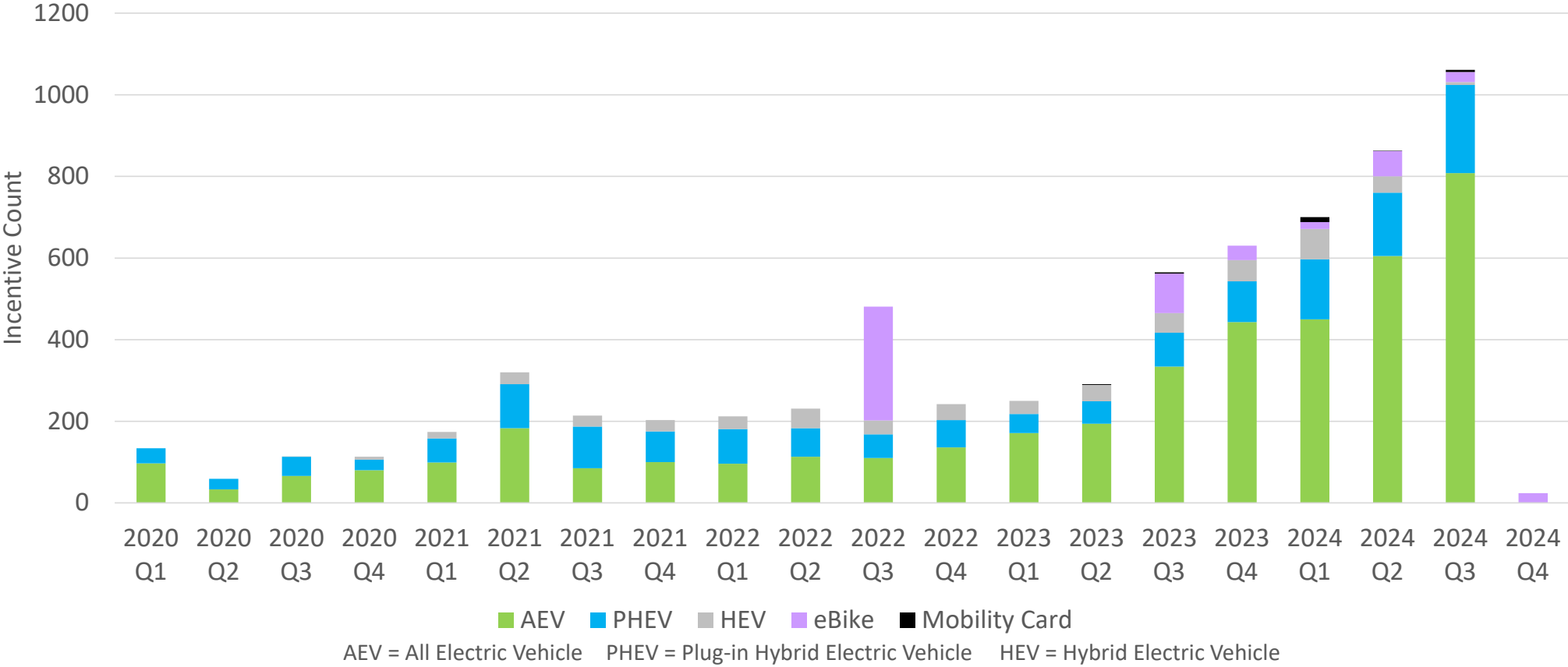
All Incentives Issued 2020 - 2024

Quarterly Incentive Amounts Paid by Program and Income Level



Incentives have increasingly benefited lower income Vermonters

Quarterly Incentive Count by Use Type



Incentives have increasingly provided for greater share of lower emitting vehicles



2024 Program Closure

New PEV applications volume averaged 154 per month Nov '23 – July '24

July '24 = 277

August '24 = 295

Program Pause - October 7

Program Closure - October 8

Dealership apps accepted until October 23 (15-day window per guidelines)

Consumer apps accepted until December 6 (60-day window per guidelines)

Transfer of funds

MileageSmart and AOT Admin

\$415,000

Comparison of 2023 and 2024 Incentive Counts and Amounts Paid

	2023		2024		Comparison	
	Incentives Paid	Amount Paid	Incentives Paid	Amount Paid	Incentive Increase	Payment Increase
New PEV*	1,080	\$3,628,500	1,748	\$6,658,500	62%	84%
MileageSmart*	401	\$1,881,828	442	\$1,954,364	10%	4%
RYR*	123	\$527,500	319	\$1,460,000	159%	177%
eBike	132	\$69,158	148	\$86,753	12%	25%
EYF	0	\$0	32	\$81,250	N/A	N/A
Total	1,736	\$6,106,986	2,689	\$10,240,867	55%	68%

*MileageSmart, New PEV and Replace Your Ride closed in October 2024 due to funding exhaustion.

Marketing and Outreach

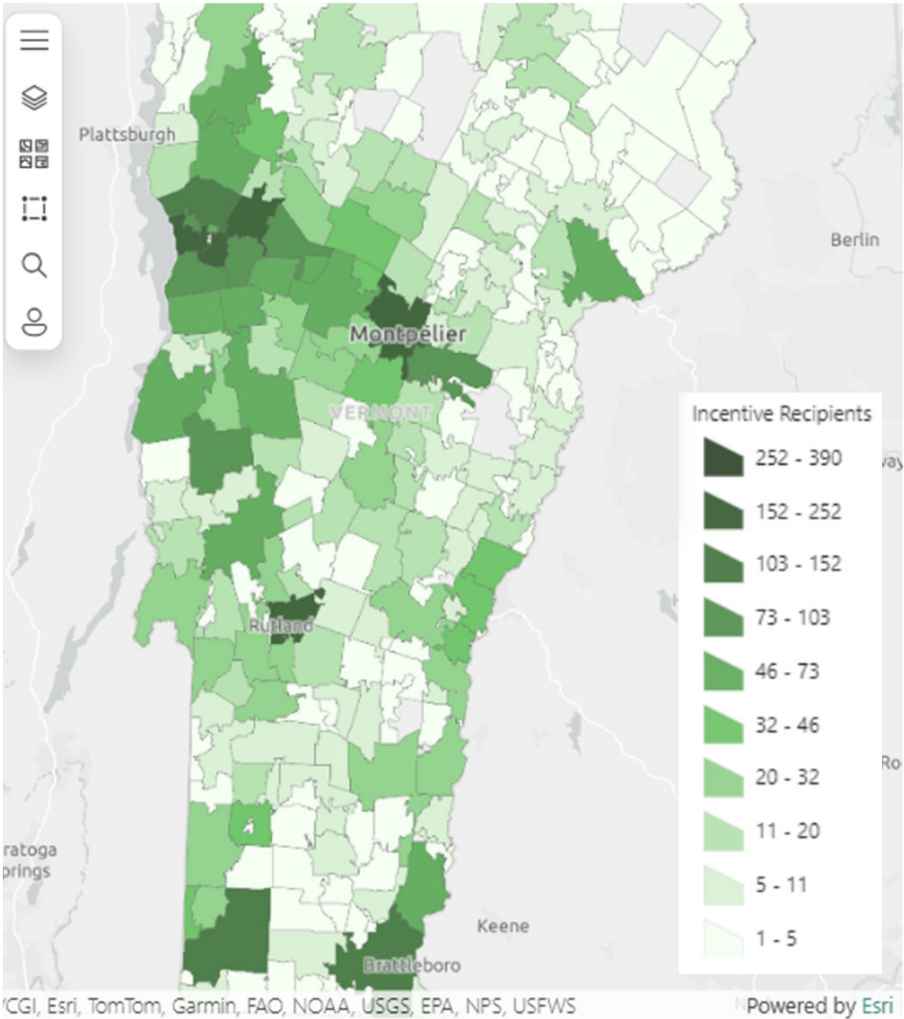
Drive Electric Vermont / VEIC

- Website
 - Incentive Information (Eligibility and Application)
- Resources
 - Incentive Calculator
 - Vehicle Comparison Tool
 - Operations and Maintenance Information
- Incentive Dashboard
- Translated Information
- Events – Tabling and Ride & Drives
- Quarterly Stakeholder Meetings
- Dealership training and incentives
- Green Savings Smart and coordination with community organizations

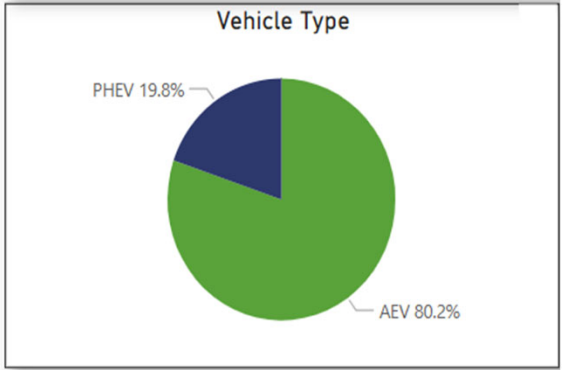
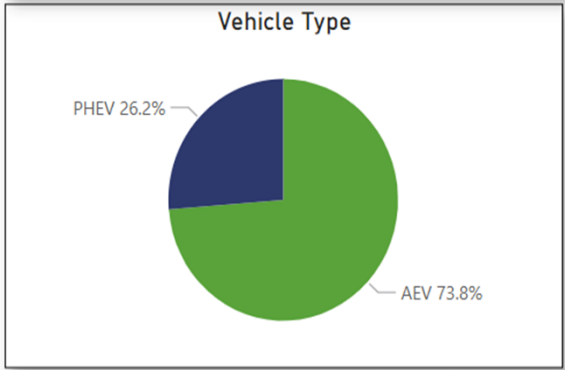
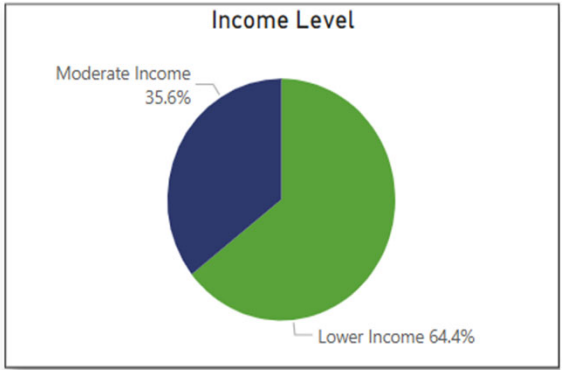
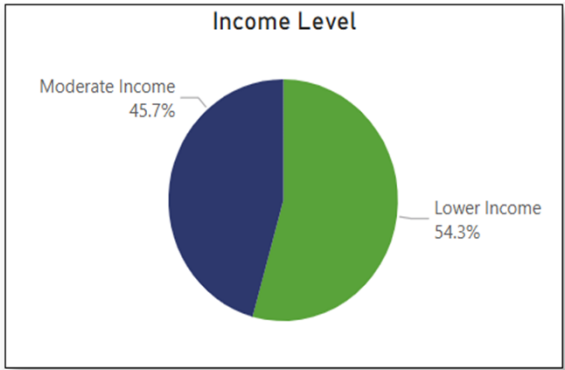
AOT (EPS + Partners)

- Website
 - Incentive Information (Eligibility and Application)
- Social Media Posts
- Newsletter
- Tabling at events
- Press releases
- Webinars
- Coordinated outreach with Climate Action Office
- Translated information

Geographic Distribution of All New PEV Incentives Issued



New PEV Program Overall CY 2024



New Plug-In Electric Vehicle Incentive Program

January 2020 – October 2024

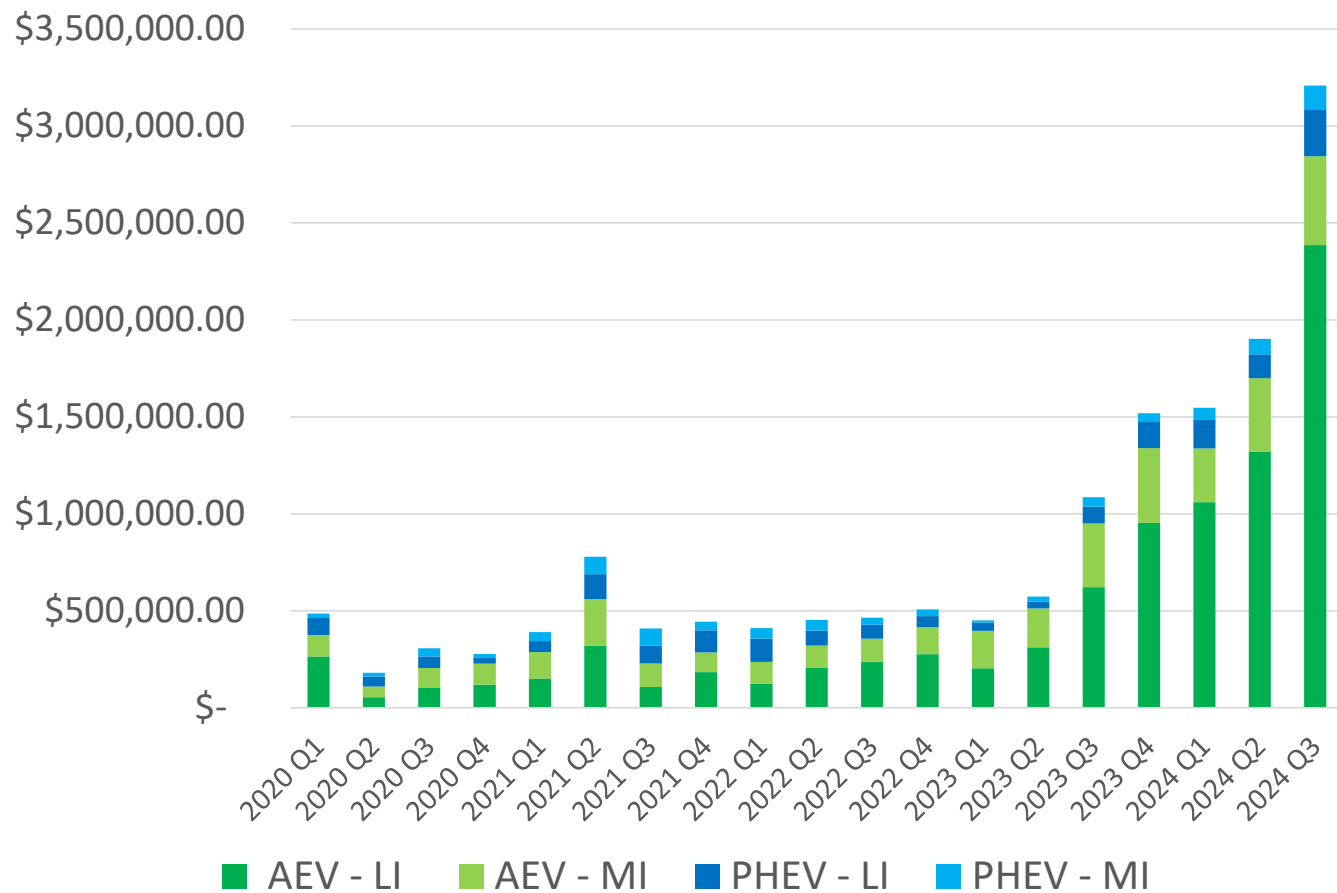
4,603 Vehicles; \$15.3 million

2024 Program Updates

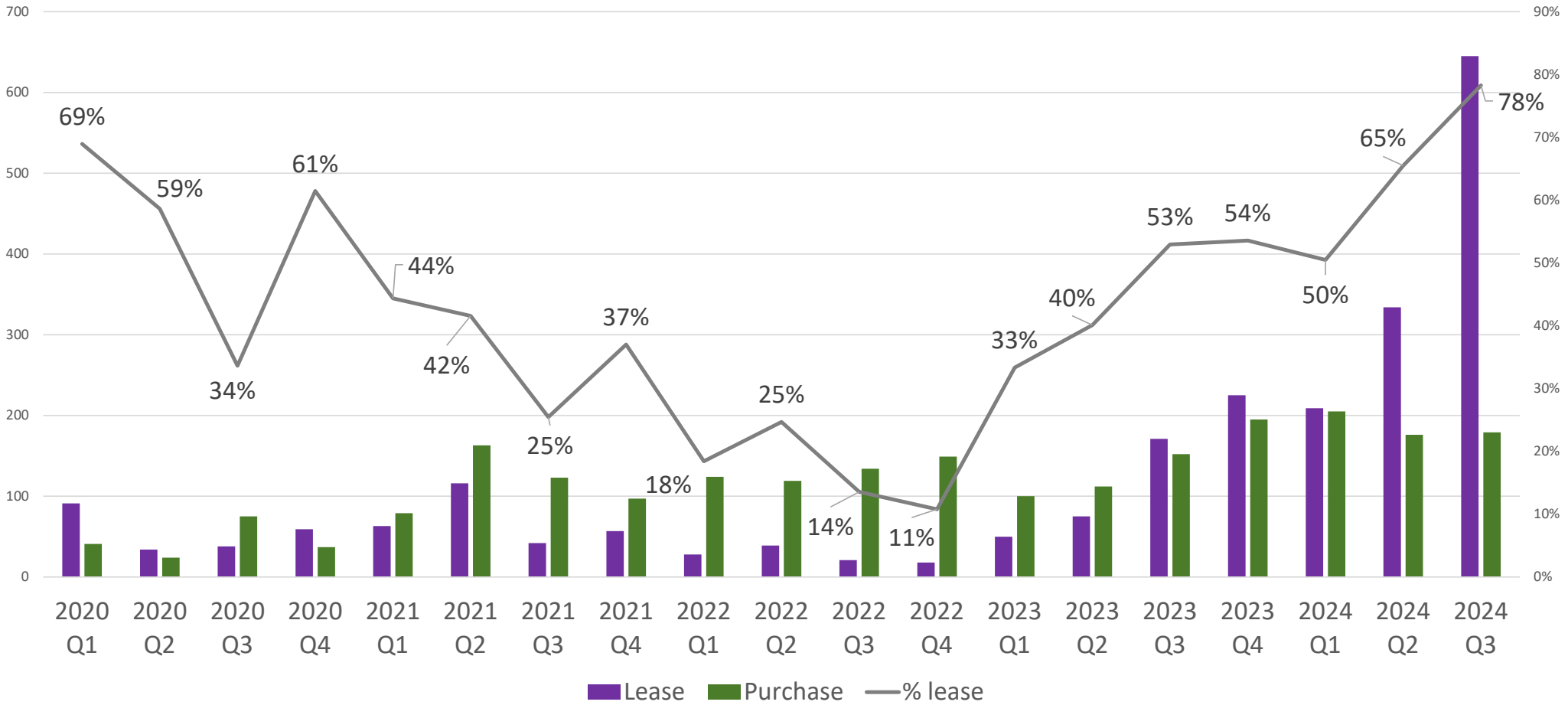
April 1, 2024 – Maximum 1 incentive and Min Electric Range (20-30 miles)

July 15, 2024 – Flood Recovery Adder (additional \$1000 totaling \$6000)

Quarterly New PEV Incentives Paid by Income Level and Vehicle Type

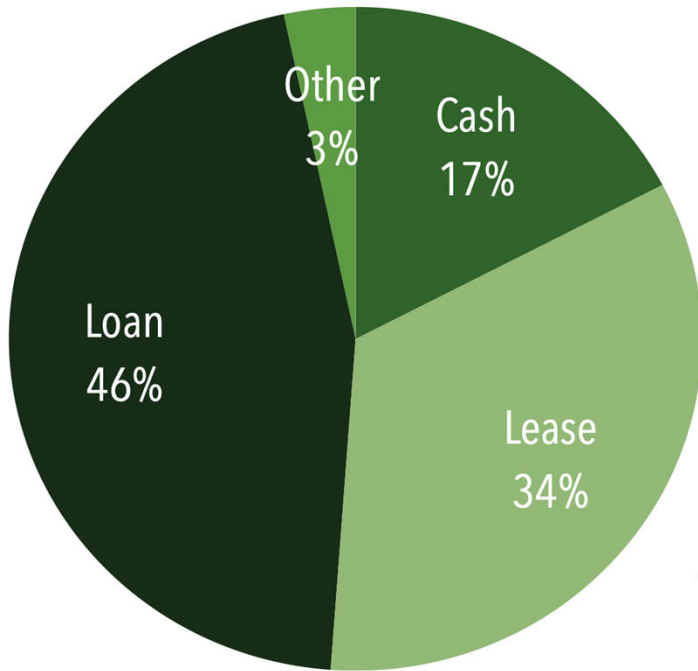


New PEV Lease vs Purchase

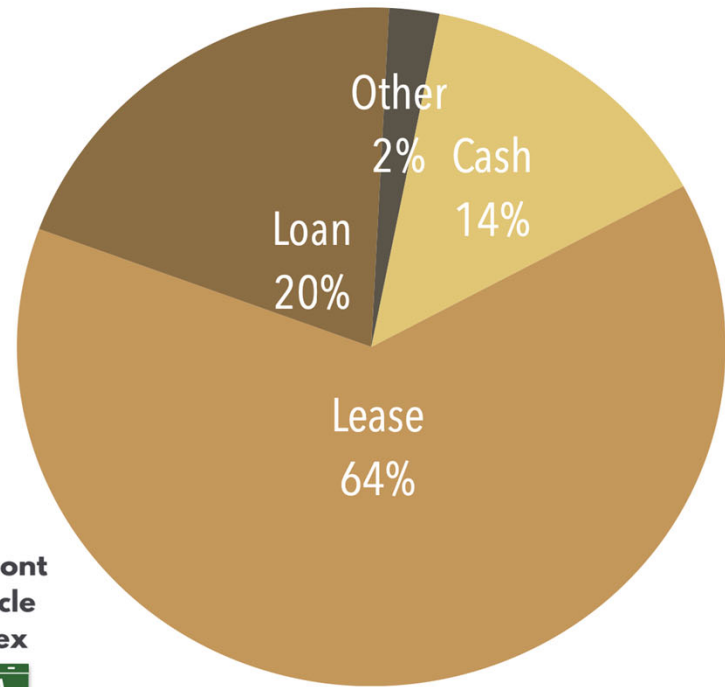


Leasing by Vehicle Type

NEW Vehicle Registrations by Transaction Type
Vermont, 2024



NEW Battery Electric and Plug-In Electric /Gas Hybrids
Vermont, 2024



Credit: Matt Cota, VADA

MileageSmart High Efficiency Used Vehicle Incentive Program

August 2020 – October 2024

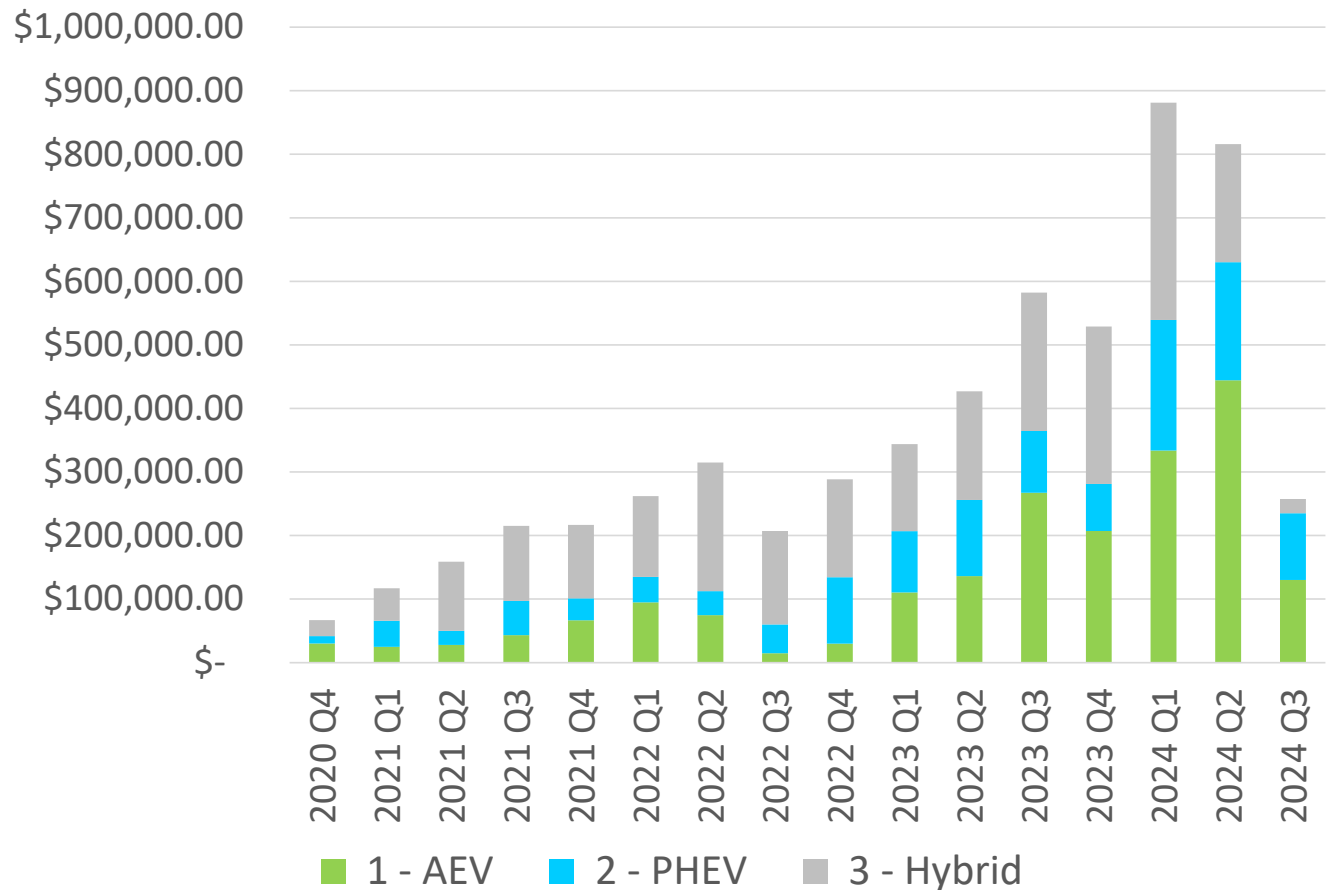
1277 Vehicles; \$5.7million

2024 Program Updates

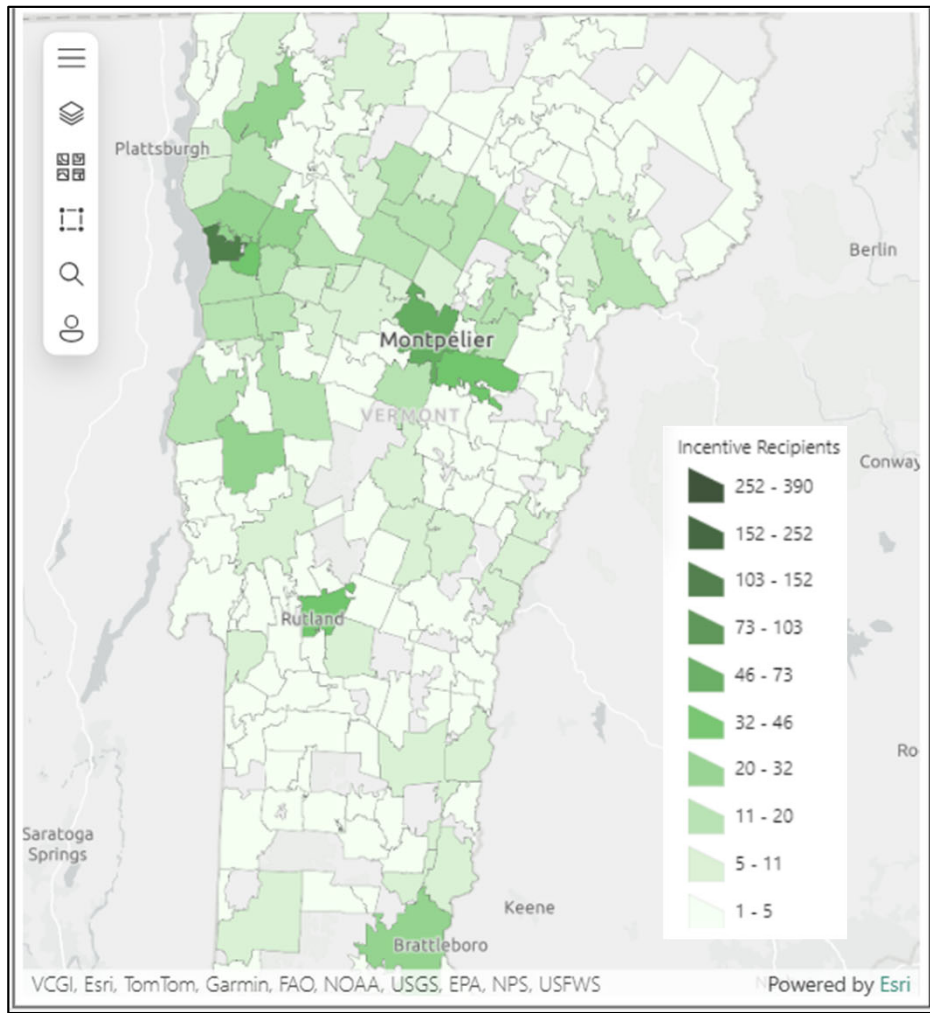
January 1, 2024 – Purchase Price Cap
(\$40,000) and SNAP Recipients

June 1, 2024 – Incentive Amounts

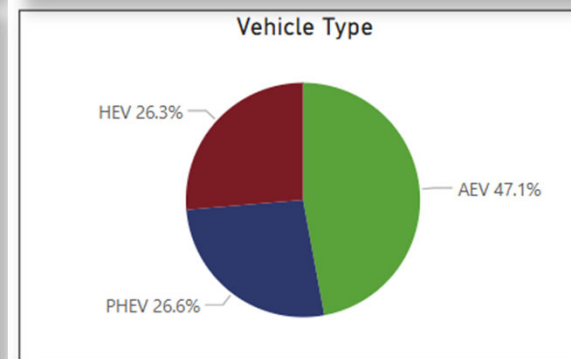
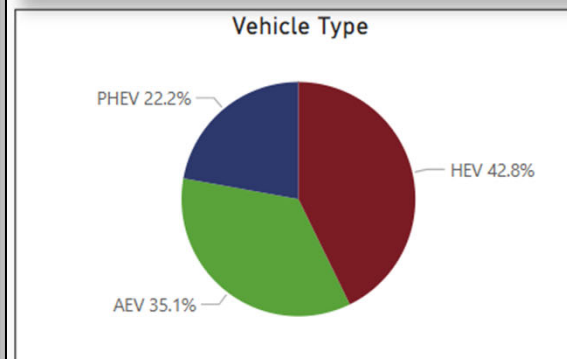
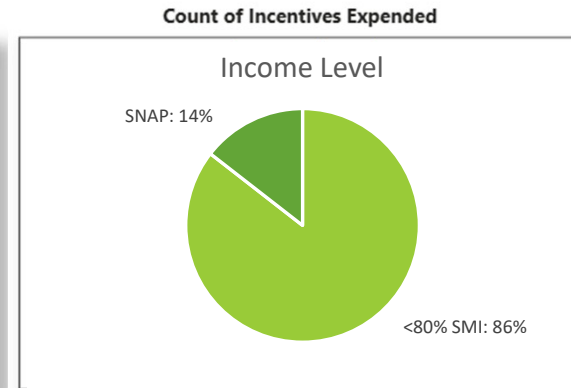
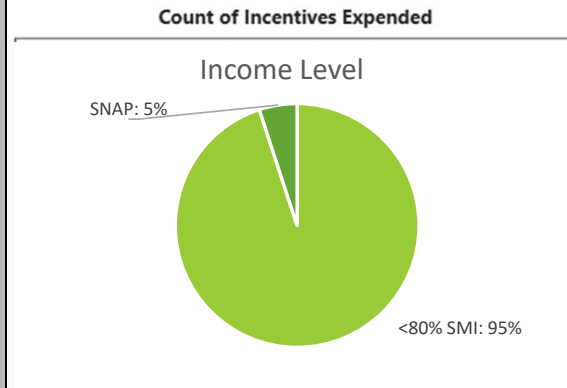
Quarterly MileageSmart Incentive Amount Paid by Vehicle
Type



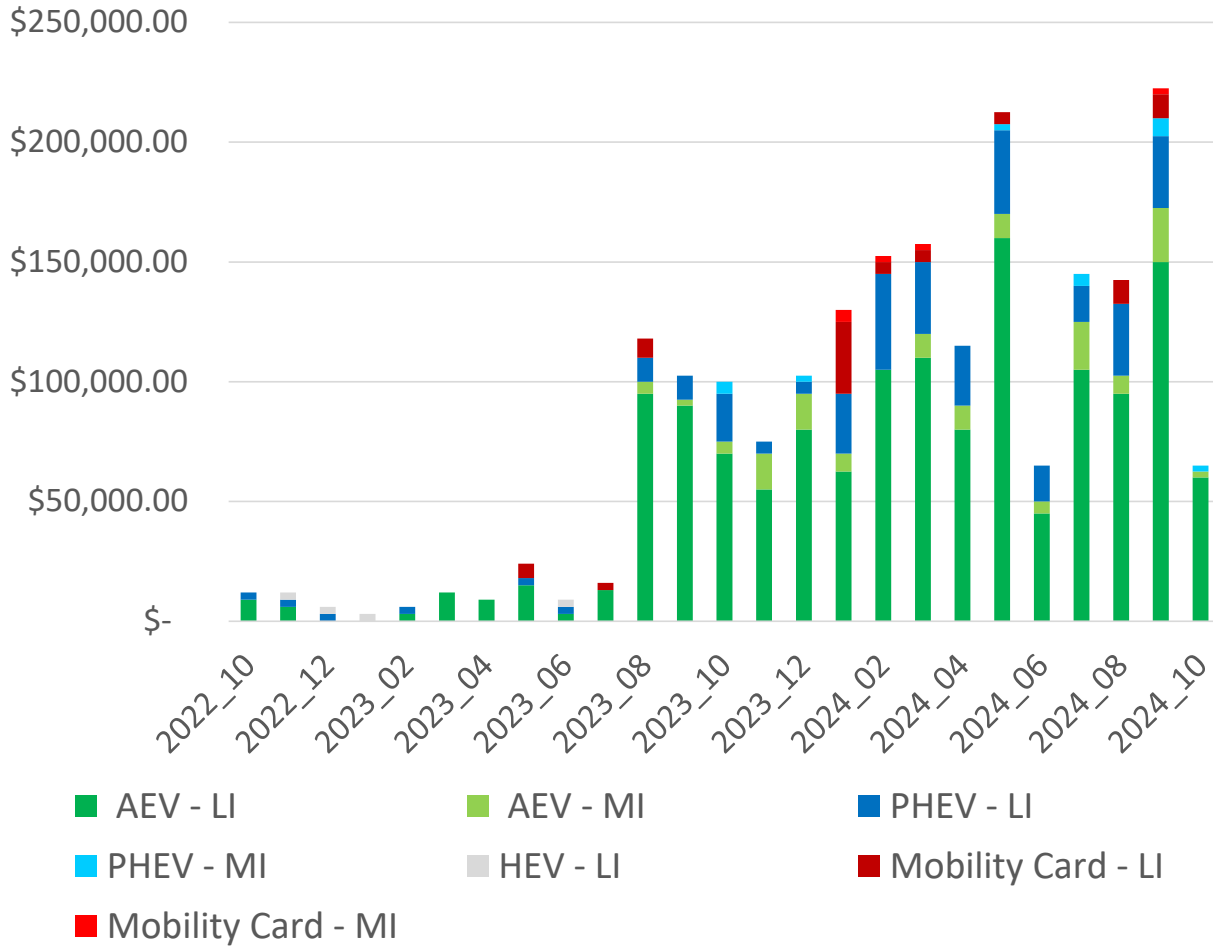
Geographic Distribution of All MileageSmart Incentives Issued



MileageSmart Program Overall CY 2024



Monthly RYR Incentive Amounts by Replacement Option and Income Level



Replace Your Ride Incentive Program

October 2022 – October 2024

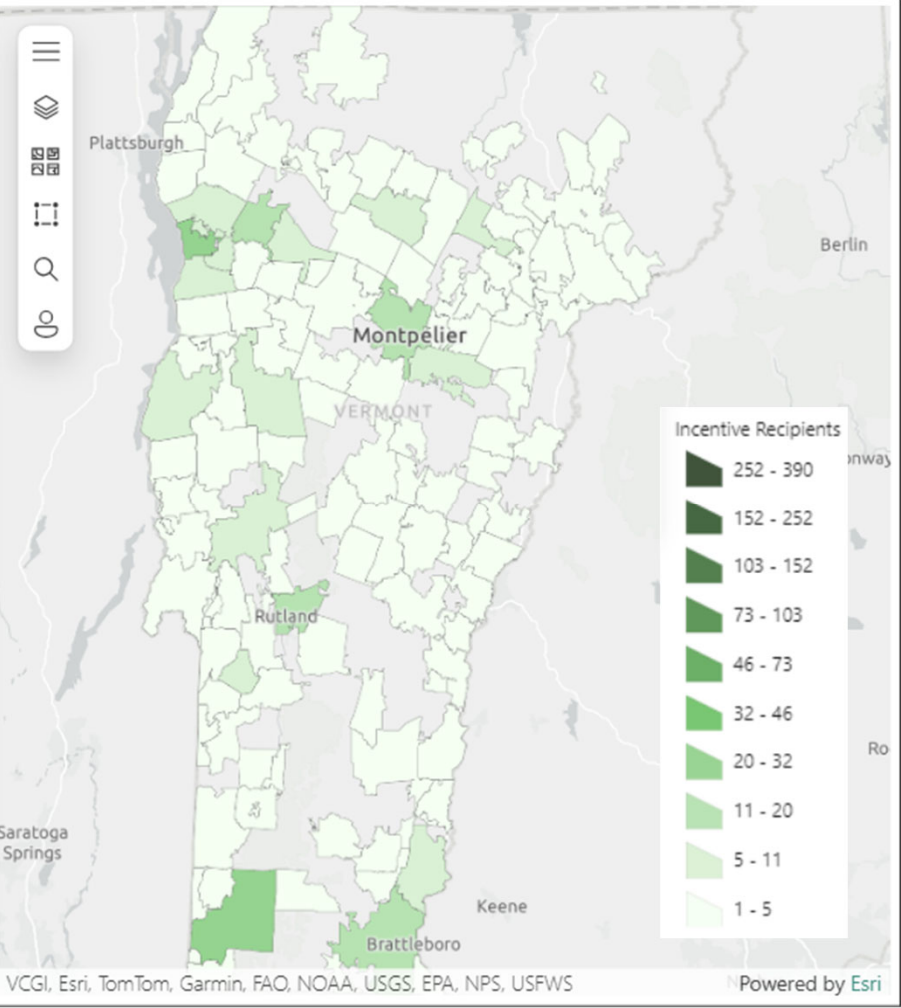
451 Incentives

2024 Program Updates

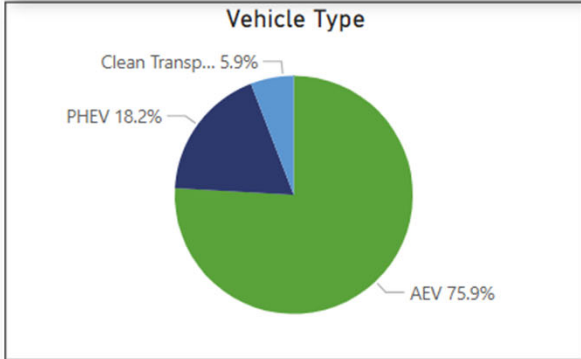
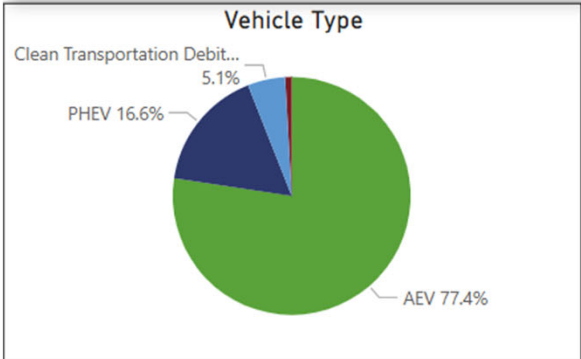
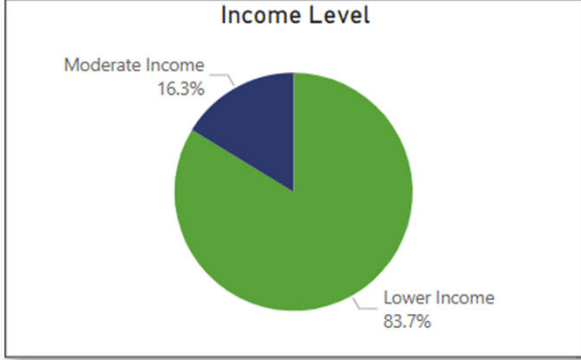
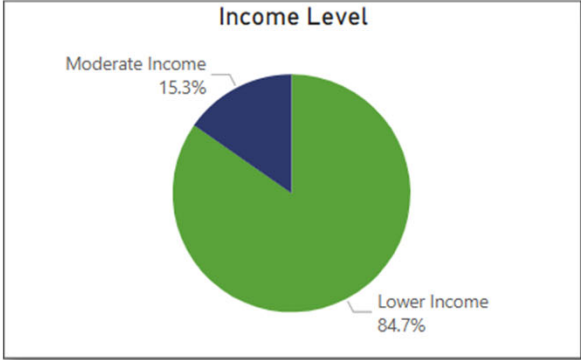
July 2024 – Scrapped Vehicle Inspection Requirement Modification

2024 Floods – Statutory Flexibility after Governor Declared State of Emergency

Geographic Distribution of All RYR Incentives Issued



Replace Your Ride Program Overall



Electrify Your Fleet

November 2023 – Present

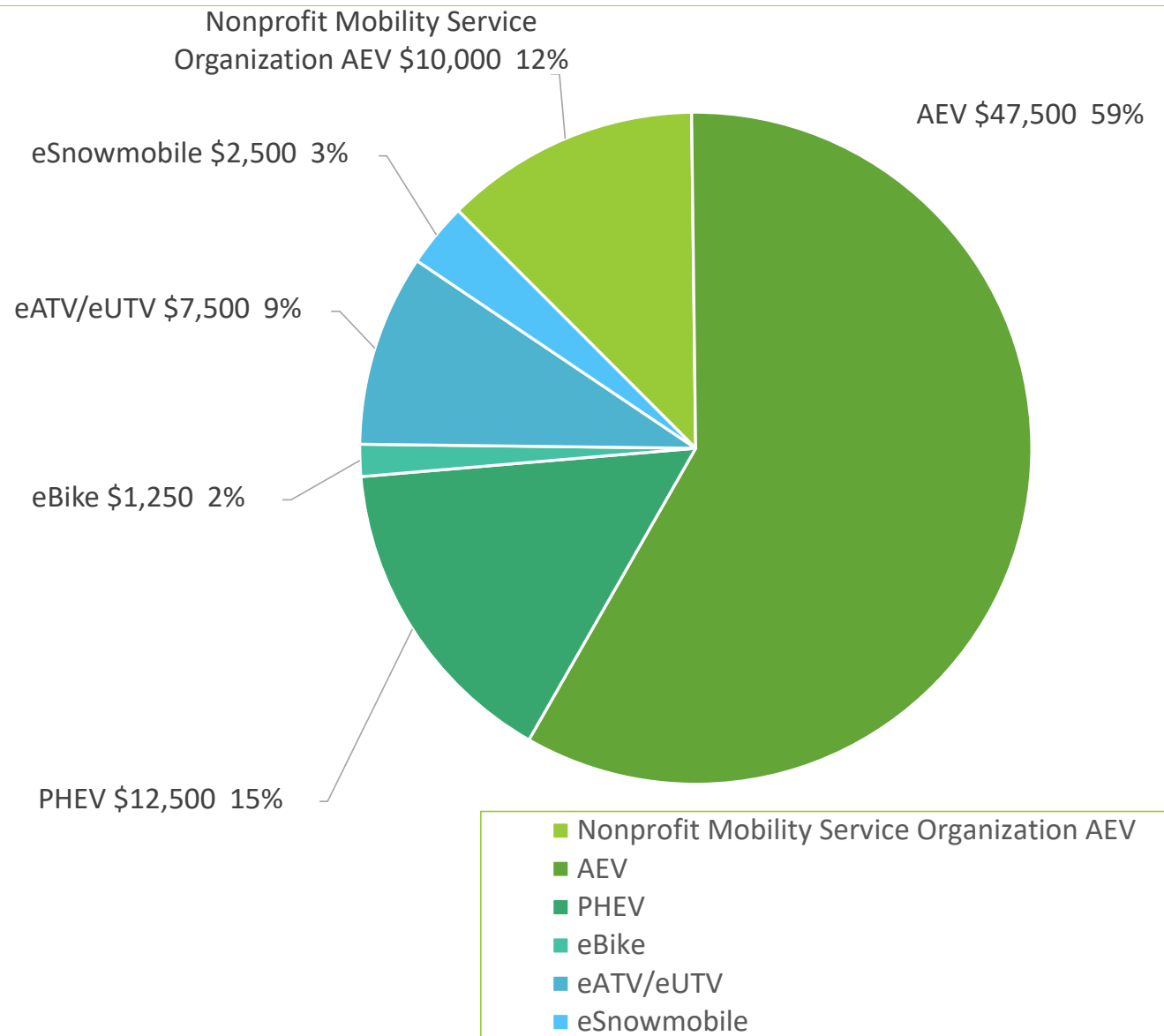
32 redeemed; \$81 thousand

2024 Program Updates

July 2024 – Act 148 Updates

Increase eBike MSRP cap from \$2,500 to \$10,000

Add electric ATVs and UTVs as eligible vehicle types



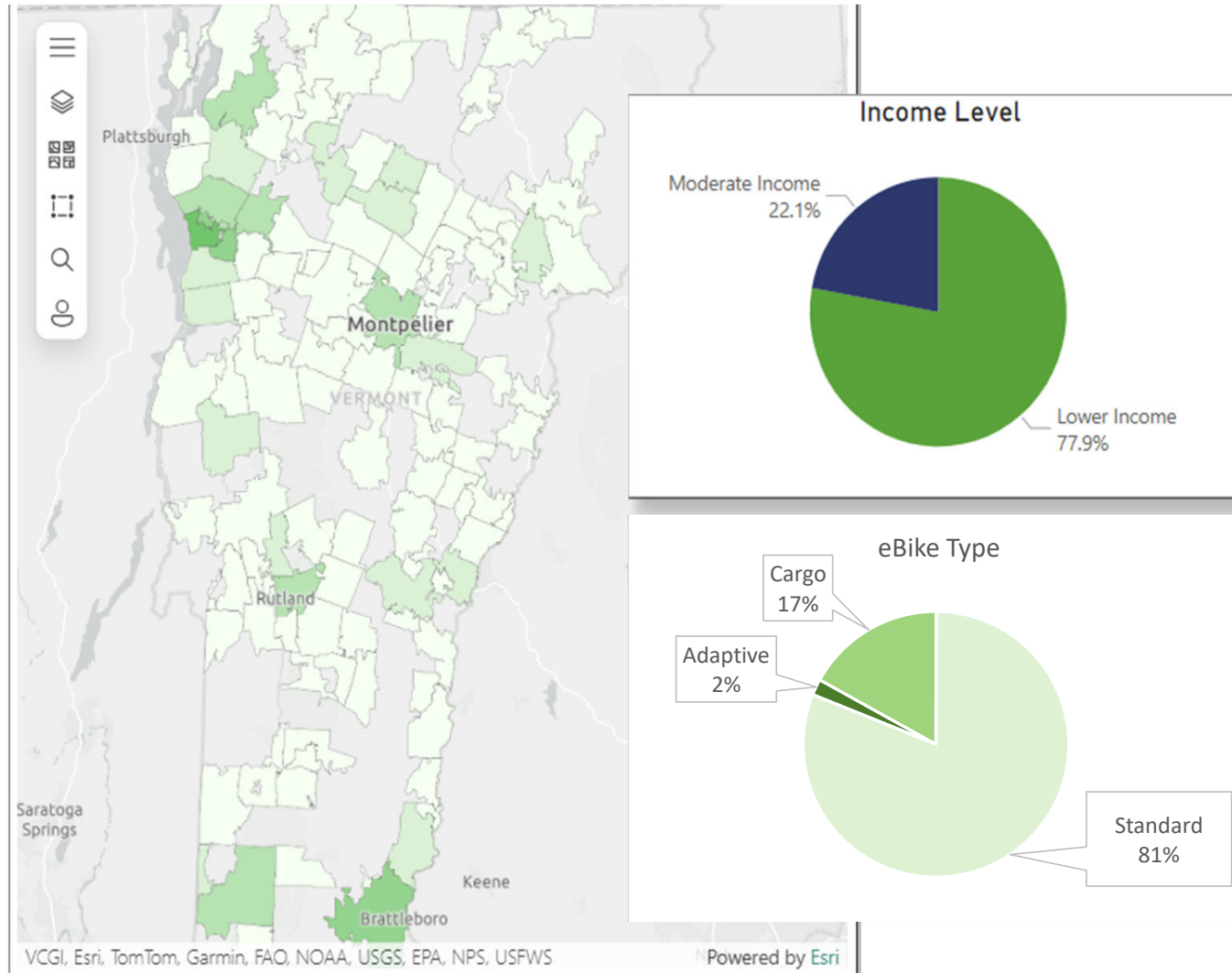
Electric Bicycle Incentive Program

July 2022 – Present

560 eBikes; \$249 thousand

2024 Program Updates

July 2024 – Shortened Redemption Window (90 to 60 days)



Recommendations

REPLACE YOUR RIDE, NEW PEV AND MILEAGESMART

- Target incentive funding to Vermonters with lower incomes
- New PEVs: only All-Electric Vehicles
- Used PEVs: AEV + PHEV (no conventional hybrids)
- Second vehicle MSRP cap tier for light duty trucks
- Right-size incentive amounts for leased vehicles
- **Real-time funding flexibility to adapt to demand**

ELECTRIFY YOUR FLEET

- **Increase incentive amounts for electric vehicles**
- Increase eligibility, MSRP caps for vehicle types
- Target funding for battery-electric vehicles only

Questions and Comments about Vermont's Clean
Transportation Incentive Programs can be sent to:

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