VT Incentives for Cleaner Transportation

PRESENTATION FOR SENATE TRANSPORTATION COMMITTEE, MARCH 30, 2023

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CAP – Pathway 1 – Light Duty Electrification Strategies

1) Technology Forcing ZEV Regulation (100% by 2035)

2) EV Purchase Incentives

- a) New & used EVs and electric bicycles, designed for equity
- b) Expand to fleets
- c) Continue MileageSmart and Replace Your Ride
- d) Vehicle Efficiency Purchase and Use Tax Adjustment

3) EV Charging Investment

- a) Continue support for DCFC and Level 2
- b) Public, workplace and multifamily priorities
- c) Direct the PUC to consider EV charging rates
- 4) Transportation Climate Initiative (TCI)
- 5) EV and VMT reduction Outreach and Education

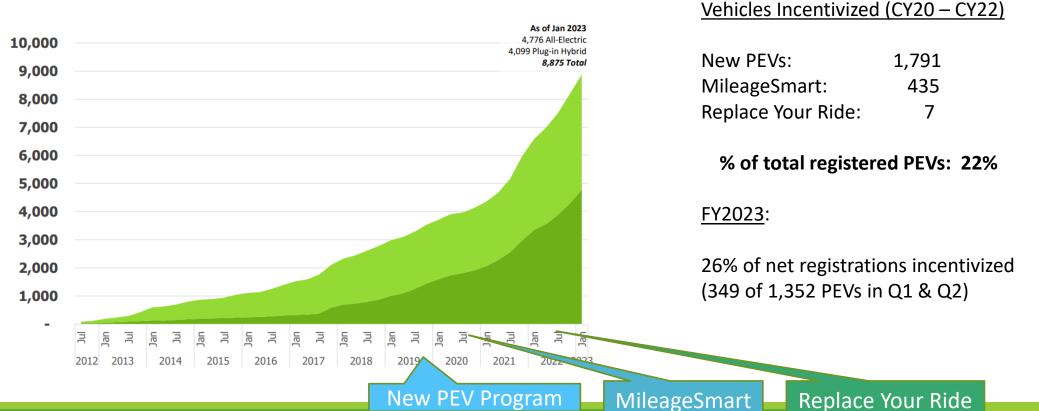
Electrify **27,000** vehicles by 2025

126,000 by 2030



EV Adoption in Vermont

Vermont Electric Vehicle Registrations



■ All-Electric Vehicles ■ Plug-in Hybrid Electric Vehicles

VERMONT ELECTRIC VEHICLE & INFRASTRUCTURE PROGRAMS



VT Statewide Incentive Programs

- Incentive Program for New Plug-in Electric Vehicles (PEVs)
- Replace Your Ride
- eBike Incentive Program

Vermont Investments in Cleaner Transportation

Over **\$20 million** authorized in SFY2023 for vehicle incentives and cleaner transportation options

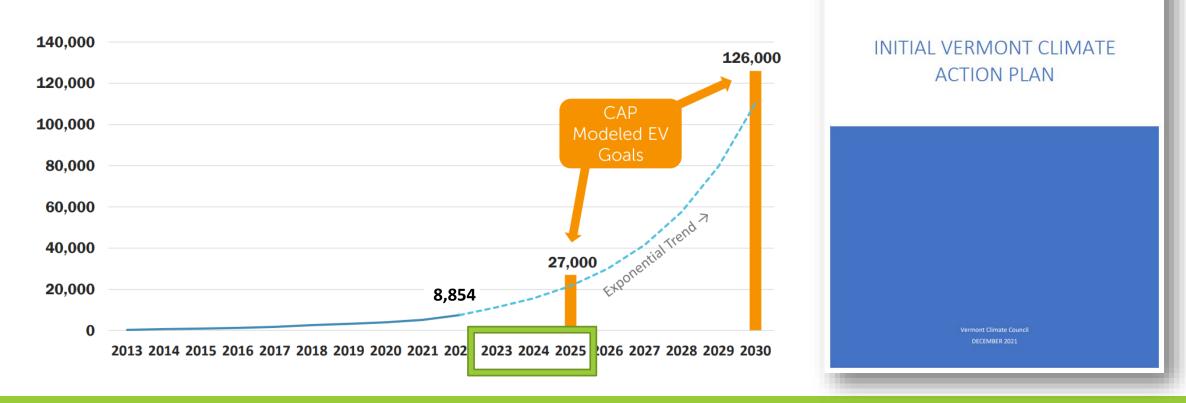
- Incentives for New PEVs, \$12 million
- MileageSmart, \$3 million
- Replace Your Ride, \$3 million
- eBike Incentive Program, \$50k
- Drive Electric Vermont, \$2 million





EV Adoption in Vermont

How many vehicles does Vermont need to electrify?





VERMONT ELECTRIC VEHICLE & INFRASTRUCTURE PROGRAMS

Incentive Program Considerations

- Current new and used vehicle markets (near-term supply constraints, price inflation)
 - How to address increased prices?
 - How to address supply of used vehicles?
- Longer-term market projections
- Inflationary pressures on household income and costs
- Other Incentive funds, guidelines, and timelines
 - Inflation Reduction Act (point-of-sale option in 2024; automaker manufacturing gains in 2026 or beyond)
 - Local utility incentives
 - Expanding home charging and public charging access



Incentive Program Recommendations

- Current new and used vehicle markets (near-term supply constraints, price inflation)
 - How to address increased prices?
 - How to address supply of used vehicles?

Increase MSRP caps

Frontload number of *new* vehicles incentivized

- Increase incentive amounts for New PEVs;
- Increase number of eligible participants;
- Increase number of eligible vehicles

Plan for decreasing incentives over time

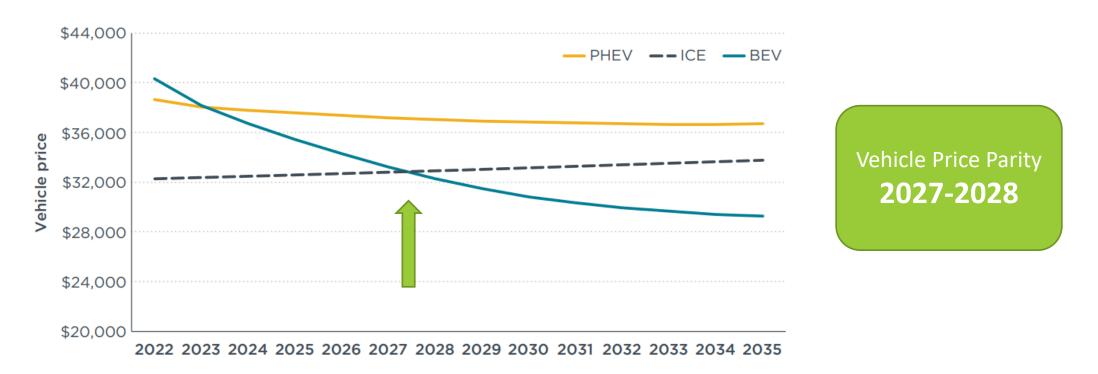
Increase thresholds for qualifying households

Provide flexibility to Agency for programmatic adjustments

- Longer-term market projections
- Inflationary pressures on household income and costs
- Other Incentive funds, guidelines, and timelines
 - Inflation Reduction Act (point-of-sale option in 2024; automaker manufacturing gains in 2026 or beyond)
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Projected Vehicle Price Parity





Source: January 2023 ICCT Report



Projected Vehicle Price Parity with IRA

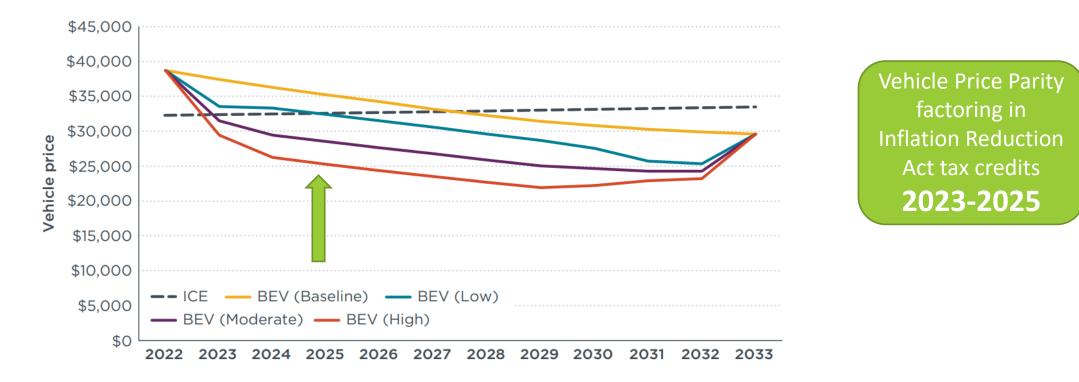


Figure 4. Sales-weighted average new ICE and BEV prices with IRA incentives and tax credits applied

Source: January 2023 ICCT Report



Inflation Reduction Act

New Clean Vehicle Tax Credit (Households) up to \$7,500

Modified Adjusted Gross Income:

- \$300,000 for married couples filing jointly
- \$225,000 for heads of households
- \$150,000 for all other filers

Vehicle MSRP:

- \$80,000 for vans, sport utility vehicles and pickup trucks
- \$55,000 for other vehicles

Other Vehicle Criteria:

- Have a battery capacity of at least 7 kilowatt hours
- Have a gross vehicle weight rating of less than 14,000 pounds
- Be made by a qualified manufacturer. See index of qualified manufacturers and vehicles.
- Undergo final assembly in North America

Varying criteria from August 2022 – December 2022 January 2023 – March 2023 March 2023 – January 2024 Every year thereafter to 2029

2022 - 2032



Inflation Reduction Act

Used Clean Vehicle Tax Credit (Households) up to \$4,000

Modified Adjusted Gross Income:

- \$150,000 for married couples filing jointly
- \$112,500 for heads of households
- \$75,000 for all other filers

Vehicle Price:

• Have a sale price of \$25,000 or less

2023 – 2032

January 2024 – full credit can be applied at the point-of-sale passing through to the dealership

You can use your modified AGI from the year you take delivery of the vehicle or the year before, whichever less. If your income is below the threshold for 1 of the two years, you can claim the credit.

Other Vehicle Criteria:

- Have a model year at least 2 years earlier than the calendar year when you buy it. For example, a vehicle purchased in 2023 would need a model year of 2021 or older.
- Not have already been transferred after August 16, 2022, to a qualified buyer.
- Have a gross vehicle weight rating of less than 14,000 pounds
- Be an eligible FCV or plug-in EV with a battery capacity of least 7 kilowatt hours



Inflation Reduction Act

Commercial Clean Vehicle Tax Credit up to \$7,500 or \$40,000 2023 – 2032

Qualifying Entities:

- Businesses and tax-exempt organizations qualify for the credit.
- There is no limit on the number of credits businesses can claim. For businesses, the credits are nonrefundable, so you can't get back more on the credit than you owe in taxes. A 45W credit can be carried over as a general business credit

Credit Amount: the lesser of

- 30% of your basis in the vehicle if not powered by gas or diesel
- The incremental cost of the vehicle
- The maximum credit is \$7,500 for qualified vehicles with gross vehicle weight ratings (GVWRs) of under 14,000 pounds and \$40,000 for all other vehicles.

Other Vehicle Criteria:

The vehicle or machinery must also be plug-in electric vehicle that draws significant propulsion from an electric motor with a battery capacity of at least:

- 7 kilowatt hours if the gross vehicle weight rating (GVWR) is under 14,000 pounds
- 15 kilowatt hours if the GVWR is 14,000 pounds or more



Program Design

	CHEAPR (CT)	MOR-EV (MA)	Vermont New PEV	Charge Up NJ	Drive Clean (NY)
Incentive Amount	FCEV: \$7,500 - \$9,500 ¹ BEV: \$2,250 - \$4,250 PHEV: \$750 - \$2,250	FCEV/BEV: \$3,500 PHEV: \$1,500	BEV: \$2,500-\$4,000 PHEV: \$1,500-\$3,000	BEV only: \$2,000 - \$4,000	FCEV, PHEV, BEV: \$500 - \$2,000
MSRP cap	\$50k MSRP by trim	\$55K Purchase Price	BEV: \$45K PHEV: \$40K	\$55k final MSRP	\$42k base model MSRP ¹
Income guidelines	N/A for base; LI program for Rebate+	N/A	All applicants; tiered	N/A	N/A
Other	Used (Rebate+ only) FCEV: \$7,500 BEV: \$3,000 PHEV: \$1,125	N/A – potential 2023 Used, Low-income and trade-in	Replace Your Ride - \$3,000 adder or voucher	N/A	N/A

¹CHEAPR offers "Rebate+" adder for residents enrolled in incomequalified programs

Less Restrictive / More Generous

²Drive Clean offers a \$500 rebate for any EV over the MSRP cap

Participation – July '22 – Nov. '22

Program/State	2022 population (U.S. Census Bureau)	Approved applications (July '22 – Nov '22)	Approved applications per 1,000 residents
CHEAPR (CT)	3,626,205	583	0.16
MOR-EV (MA)	6,981,974	1,267	0.18
Vermont New PEV (VT)	647,064	264	0.41
Charge Up New Jersey (NJ)	9,261,699	1,293	0.14
Drive Clean (NY)	19,677,151	12,518	0.64

Application Pathway	Standard Rebate	Enhanced Rebate	Total Approved Applications
Consumer post-purchase	40	42	82
Dealership point-of-sale	83	99	182
Grand Total	123	141	264

Tables adapted from "State of Vermont PEV Incentive Programs 2022 Annual Report"

Incentive Program Recommendations

Principles:

- Simplicity—keep things simple for consumers, dealerships, program administration
- Equity—continue to provide greater benefits to those who need it most for highest impact
- Flexibility—create room within legislative parameters on incentive amounts and guidelines to respond to changing conditions and remain aligned with climate action goals

Proposals:

- Increase base MSRP caps to reflect price increases and new models (\$50k for households; \$60k for fleets)
- Increase income limits to adjust for inflation and add separate Head of Household category
- Raise incentive limits (\$5k) for both New PEV and Replace Your Ride program with adaptive "up to" language
- Set electric range standards for PHEVs beginning with minimum of 20 miles, with flexibility for Agency to adjust
- Create new fleet incentive out of Replace Your Ride appropriation to stack with IRA credits/direct pay option for commercial, municipal, and other tax-exempt entities



Eligible Vehicle Models

<u>Recommendation</u>: Increase base MSRP caps to \$50,000 for New PEVs and \$60,000 for Electrify Your Fleet

- Within current price caps, vehicle eligibility becomes more difficult for consumers and dealerships to track
- Consumer choice and vehicle availability critical for near-term EV adoption increases
- Price caps become less important when programs are income-sensitive

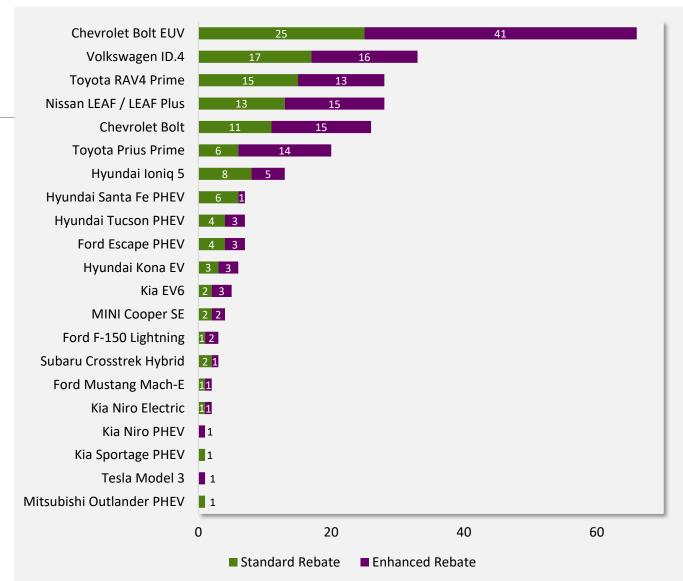
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17 Ford Mustang Mach-E 224-303 224-303 \$46,895 2022 orders after 8/30/2022 ineligible 18 Hyundai Ioniq EV 170 170 \$33,245 2017-2021 Production ended July 202 19 Hyundai Ioniq 5 220-303 220-303 \$41,450 2022-2023 20 Hyundai Kona EV 258 258 \$34,000 2019-2023 21 Kia EV6 232-310 232-310 \$48,500 2022 Model Year 2023+ ineligib orders after 11/10/2022 ineligible 22 Kia Niro Electric 239 239 \$39,450 2019-2023 23 Mini Cooper SE 110 110 \$34,225 2018-2023 24 Nissan Ariya 205-304 205-304 \$43,190 2023 25 Nissan LEAF / LEAF Plus 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 222-252 \$42,000 2023 28 Taxla Ma	16	Ford F-150 Lightning	230-320	230-320	\$51,974	2022	
19 Hyundai Ioniq 5 220-303 220-303 \$41,450 2022-2023 20 Hyundai Kona EV 258 258 \$34,000 2019-2023 21 Kia EV6 232-310 232-310 \$48,500 2022 Model Year 2023+ ineligib orders after 11/10/2022 ineligible 22 Kia Niro Electric 239 239 \$39,450 2019-2023 23 Mini Cooper SE 110 110 \$34,225 2018-2023 24 Nissan Ariya 205-304 205-304 \$43,190 2023 25 Nissan LEAF / LEAF Plus 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 222-252 \$42,000 2023 28 Taple Medel 2 263,352 263,353 \$43,000 NU4 Must have ordered on or before October 5, 2021 or taken delivery on or after	17	Ford Mustang Mach-E	224-303	224-303	\$46,895	2022	
20 Hyundai Kona EV 258 258 \$34,000 2019-2023 21 Kia EV6 232-310 232-310 \$48,500 2022 Model Year 2023+ ineligib orders after 11/10/2022 ineligible 22 Kia Niro Electric 239 239 \$39,450 2019-2023 23 Mini Cooper SE 110 110 \$34,225 2018-2023 24 Nissan Ariya 205-304 205-304 \$43,190 2023 25 Nissan LEAF / LEAF Plus 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 222-252 \$42,000 2023 28 Table Medel 2 263 352 263 352 543 000 NU4	18	Hyundai Ioniq EV	170	170	\$33,245	2017-2021	Production ended July 2022
Kia EV6 232-310 232-310 \$48,500 2022 Model Year 2023+ ineligible orders after 11/10/2022 ineligible 22 Kia Niro Electric 239 239 \$39,450 2019-2023 23 Mini Cooper SE 110 110 \$34,225 2018-2023 24 Nissan Ariya 205-304 205-304 \$43,190 2023 25 Nissan LEAF / LEAF Plus 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 222-252 \$42,000 2023 28 Taxla Madal 2 263 353 263 353 263 353 543 000 NVA	19	Hyundai Ioniq 5	220-303	220-303	\$41,450	2022-2023	
Kia EV6 232-310 232-310 \$48,500 2022 orders after 11/10/2022 ineligible 22 Kia Niro Electric 239 239 \$39,450 2019-2023 23 Mini Cooper SE 110 110 \$34,225 2018-2023 24 Nissan Ariya 205-304 205-304 \$43,190 2023 25 Nissan LEAF / LEAF Plus 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 222-252 \$42,000 2023 Must have ordered on or before October 5, 2021 or taken delivery on or after	20	Hyundai Kona EV	258	258	\$34,000	2019-2023	
23 Mini Cooper SE 110 110 \$34,225 2018-2023 24 Nissan Ariya 205-304 205-304 \$43,190 2023 25 Nissan LEAF / LEAF Plus 149-226 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 222-252 \$42,000 2023 28 Tapla Madel 2 263,253 263,253 \$43,000 N/A taken delivery on or after	21	Kia EV6	232-310	232-310	\$48,500	2022	Model Year 2023+ ineligible; orders after 11/10/2022 ineligible
24 Nissan Ariya 205-304 205-304 \$43,190 2023 25 Nissan LEAF / LEAF Plus 149-226 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 \$22-252 \$42,000 2023 Must have ordered on or before October 5, 2021 or taken delivery on or after	22	Kia Niro Electric	239	239	\$39,450	2019-2023	
25 Nissan LEAF / LEAF Plus 149-226 149-226 \$28,040 2011-2023 26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 \$22-252 \$42,000 2023 Must have ordered on or before October 5, 2021 or taken delivery on or after	23	Mini Cooper SE	110	110	\$34,225	2018-2023	
26 Subaru Solterra 228 228 \$44,995 2023 27 Toyota bZ4X 222-252 222-252 \$42,000 2023 7 Toyota bZ4X 222-252 222-252 \$42,000 2023 8 Topia Madel 2 263,253 263,253 \$43,000 N/A taken delivery on or after	24		205-304	205-304	\$43,190	2023	
27 Toyota bZ4X 222-252 \$42,000 2023 28 Toola Madal 3 263 253 263 253 \$43,000 N/A Must have ordered on or before October 5, 2021 or taken delivery on or after	25	Nissan LEAF / LEAF Plus	149-226	149-226	\$28,040	2011-2023	
28 Toolo Model 2 262 252 262 252 542 000 N/A Must have ordered on or taken delivery on or after	26	Subaru Solterra	228	228	\$44,995	2023	
28 Toolo Model 2 262 252 262 252 \$42 000 N/A taken delivery on or after	27	Toyota bZ4X	222-252	222-252	\$42,000	2023	
	28	Tesla Model 3	263-353	263-353	\$43,990	N/A	Must have ordered on or before October 5, 2021 or taken delivery on or after January 13, 2023 to be eligible MSRP was above the State's cap between those dates.
29 Volkswagen ID.4 260 260 \$37,495 2021-2023	29	Volkswagen ID.4	260	260	\$37,495	2021-2023	



SFY23 Vehicle Models

Key stats for SFY2023:

- **72%** All-electric vehicles (AEVs) vs. Plug-in Hybrids (PHEVs), increased from 61% last year
- ~**53%** enhanced incentives for households with low incomes, increased from 46% last year





Jouropo		aihility				Tax Filing Status (unless noted)	Adjusted Gross Income (AGI) (unless noted)
louseho		giniirty				Individual (single)	\$60,000 or less
							\$60,001-\$100,000
Recommendation				0	0	Individual (head of household)	\$75,000 or less
and add "Head of cost burdens	Housenoi	d to reflect mol			senola		\$75,001-\$125,000
		Adjusted Gross Income	State Incen Plug-in Hybrid	tive Amount		Individual (surviving	\$90,000 or less
Тах	x Filing Status	(AGI) Limits for Enhanced and Standard Incentives	Electric Vehicle	Electric Vehicle		spouse/qualifying widower)	\$90,001-\$150,000
sin	dividual filing as Igle or head of Usehold	\$50,000 or less \$50,001 up to \$100,000	\$3,000 \$1,500	\$4,000 \$2,500		Married (jointly)	\$90,000 or less
	wied filing initially	\$75,000 or less	\$3,000	\$4,000		(jointi))	
Ма	rried filing jointly	\$75,001 up to \$125,000	\$1,500	\$2,500			\$90,001-\$150,000
Ма	rried filing parately	\$50,000 or less	\$3,000	\$4,000		Married	\$90,001-\$150,000 \$60,000 or less
Ma sep Inc	rried filing					Married (separately)	



Household Eligibility

MileageSmart

Incentive Program for New PEVs

Number of					State Incen	itive Amoun
Persons in Household	Household		Adjusted Gross Income Hybrid		-	All- Electric
1	\$51,968.00	\$4,330.67	Tax Filing Status	and Standard Incentives	Vehicle	Vehicle
2	\$59,392.00	\$4,949.33	Individual filing as single or head of	\$50,000 or less	\$3,000	\$4,000
3	\$66,816.00	\$5,568.00	household	\$50,001 up to \$100,000	\$1,500	\$2,500
4	\$74,240.00	\$6,186.67	Married filing jointly	\$75,000 or less	\$3,000	\$4,000
	. ,	+ -)		\$75,001 up to \$125,000	\$1,500	\$2,500
5	\$80,179.20	,0,001.00	Married filing	\$50,000 or less	\$3,000	\$4,000
6	\$86,118.40	\$7 <i>,</i> 176.53	separately	\$50,001 up to \$100,000	\$1,500	\$2,500
7	\$92,057.60	\$7,671.47	Individual filing as	\$75,000 or less	\$3,000	\$4,000
8	\$97,996.80	\$8,166.40	qualifying widower	\$75,001 up to \$125,000	\$1,500	\$2,500



Household Eligibility

Filing Status	Income Brackets	Low (PHEVs - \$3000; AEVs - \$5000)	Moderate (PHEVs - \$1500; AEVs - \$3000)	Totals	Percent in Lower-income Bracket	Percent of Whole
Current		202,441	80,808	283,249	71%	75%
Married Filing Jointly	75k; 75-125k	46,626	37,648	84,274		
Head of Household	50k; 50-100k	19053	6932	25,985		
All others	50k; 50-100k	136762	36228	172,990		
Proposed		231,576	63,052	294,628	79%	78%
Married Filing Jointly	90k; 90-150k	56,626	38,277	94,903		
Head of Household	75k; 75-125k	24058	2677	26,735		
All others	60k; 60-100k	150892	22,098	172,990		

Based on 2020 State of Vermont tax data



Incentive Levels

Current

Proposed

Incentive Program	New	/ BEV	Nev	v PHEV	Use	ed PEV	Use	d Hybrid	Incentive Program	New	/ BEV	Ne	w PHEV	Use	ed PEV	Use	ed Hybrid
VT New PEVs	\$	4,000	\$	3,000	\$	-	\$	-	VT New PEVs	\$	5,000	\$	3,000	\$	-	\$	-
Replace Your Ride	\$	3,000	\$	3,000	\$	3,000	\$	-	Replace Your Ride	\$	5,000	\$	5,000	\$	5,000	\$	-
MileageSmart	\$	-	\$	-	\$	5,000	\$	5,000	MileageSmart	\$	-	\$	-	\$	5,000	\$	5,000
Inflation Reduction Act	\$	7,500	\$	7,500	\$	4,000	\$	-	Inflation Reduction Act	\$	7,500	\$	7,500	\$	4,000	\$	-
Local Utilities	\$	3,200	\$	2,300	\$	1,500	\$	-	Local Utilities	\$	3,000	\$	2,300	\$	1,500	\$	-
Max Incentive Total	\$	17,700	\$	15,800	\$	13,500	\$	5,000	Max Incentive Total	\$	20,500	\$	17,800	\$	15,500	\$	5,000



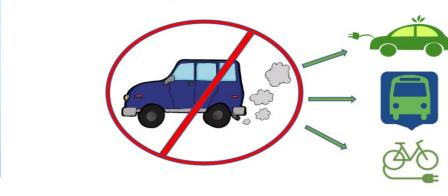
Replace Your Ride

- \$3000 affords limited opportunities for applicants with older cars to benefit financially from program
- Providing lower benefit to moderate income households might help participation on the margins
- Time needed to whitelist more mobility vendors in PEX card system and actively promote program to reduce vehicle ownership where possible

Center for Sustainable Energy launched program in September 2022

Program Summary

\$3,000 voucher for Vermonters to replace 10+ year-old less efficient vehicles with cleaner transportation options (PEVs, bikes, e-bikes, e-motorcycles, shared mobility)



Participants must qualify for either MileageSmart or lower income bracket for New PEV Incentives



VISA

H PEX

Electrify Your Fleet

<u>Recommendation</u>: Using \$500,000 from existing Replace Your Ride funds, create new fleet incentive to encourage faster pace of adoption and expand used PEV market in nearer term as fleets turn over

- Up to \$2,500 for Businesses, municipalities, tax-exempt organizations to stack with IRA credits
- Base MSRP of \$60,000 to allow for electric light-duty trucks and utility vehicles
- Demonstrate fossil-fuel replacement and GHG reductions
- Like Replace Your Ride, allow for other cleaner options like e-bikes/e-cargo bikes, electric motorcycles, snowmobiles, etc.





eBike Incentive Program

Vermont launched first statewide e-bike incentive program in the nation, July 2022

\$105,000 total authorized in SFY2022 and SFY2023 (Acts 55 & 184)

- Program mirrored Incentive Program for New PEVs with two pathways:
 - 1. Point of Sale rebate at participating Vermont retail shops
 - 2. Consumer direct rebate post purchase to allow purchases online
- Incentive could be stacked on existing utility incentives (such as those offered by GMP, BED, Stowe Electric, etc)



GREEN

MOUNTA

OWER

Generating Possibilities





Clean Transportation Incentive Programs

- Incentive Program for New Plug-in Electric Vehicles (PEVs)
- Replace Your Ride
- eBike Incentive Program

Incentive Program for Electric Bicycles

Table 1. Incentive Amounts by Tax Filing Status, Adjusted Gross Income, and eBike Cost

Enhanced Rebate Eligib	ility and Incentive Amoun	t			
	State Incentive	e Amount			
Adjusted Gross Income	New eBike Cost: less than \$800.00*	New eBike Cost: greater than \$800.00*			
 \$50,000 or less for an Individual filing as single or head of household \$50,000 or less for a Married couple filing separately \$75,000 or less for a Married couple filing jointly \$75,000 or less for an Individual filing as a qualifying widower 	50% of sale price	\$400			
Standard Rebate Eligibi	ility and Incentive Amount				
	State Incentive	e Amount			
Adjusted Gross Income	New eBike Cost: less than \$833.33*	New eBike Cost: greater than \$833.33*			
 \$50,001 to \$100,000 for an Individual filing as single or head of household \$50,001 to \$100,000 for a Married couple filing separately \$75,001 to \$125,000 for a Married couple filing jointly \$75,001 up to \$125,000 for an Individual filing as qualifying widower 	30% of sale price	\$250			

*The Purchase Price does not include sales tax.

Clean Transportation Incentive Programs

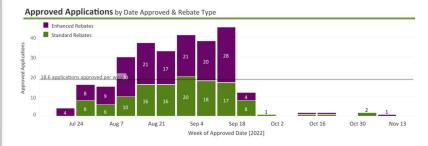
- Incentive Program for New Plug-in Electric Vehicles (PEVs)
- Replace Your Ride
- <u>eBike Incentive Program</u>

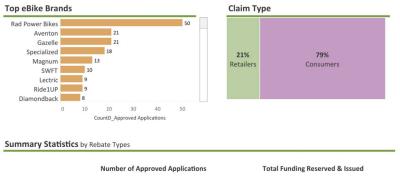
Incentive Program for Electric Bicycles

Key Stats:

- 279 incentives issued
- \$330 average incentive
- **\$2,175** average purchase price
- **70%** of funding for enhanced incentives to households with lower incomes
- 21% purchases at local shops; 79% online

Drive	Incen	State of Verm tive Program			
Vermont	Incentives	Map	Not	es	
Approved Date Filters: All values	Rebate Type All	eBike Brand All	eBike Price All	Claim All	Type
Total Approved Applications	Average Rebate Issued		Reserved / Appr iltered dates)	oved	Funds Remaining (not filterable)
279	\$330	\$	92,018		\$482

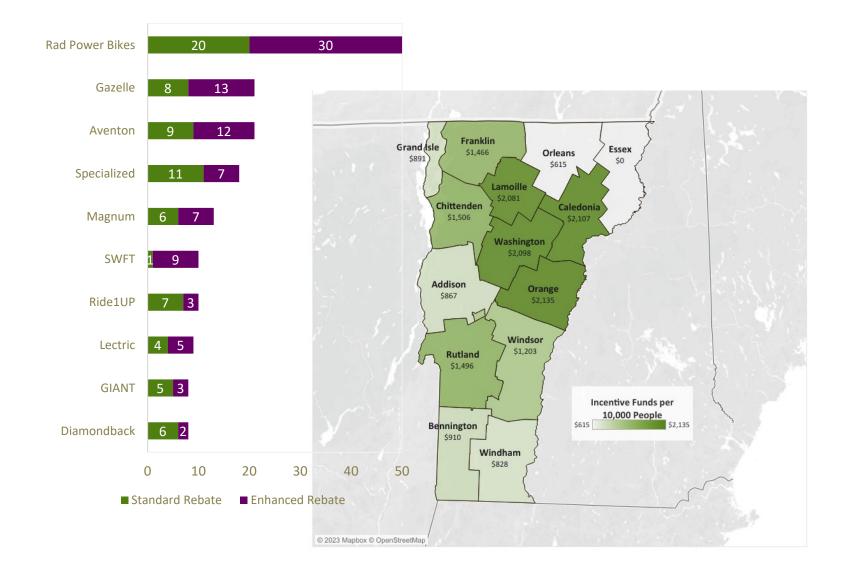




Clean Transportation Incentive Programs

- Incentive Program for New Plug-in Electric Vehicles (PEVs)
- Replace Your Ride
- eBike Incentive Program

Incentive Program for Electric Bicycles

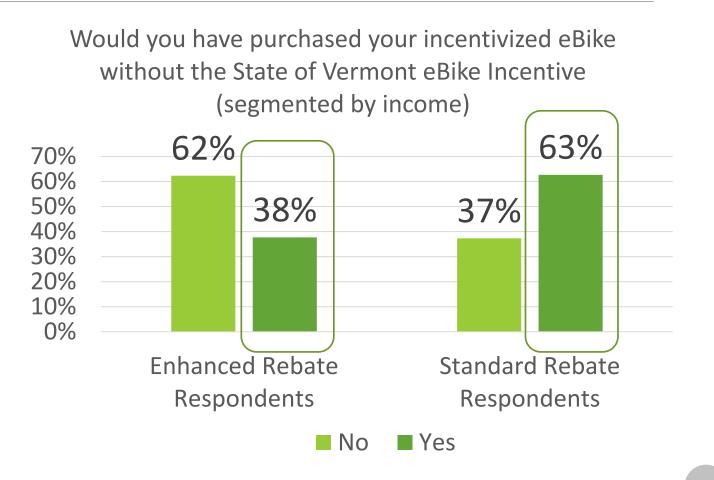


VERMONT ELECTRIC VEHICLE & INFRASTRUCTURE PROGRAMS

E-bike Rebate Essentiality

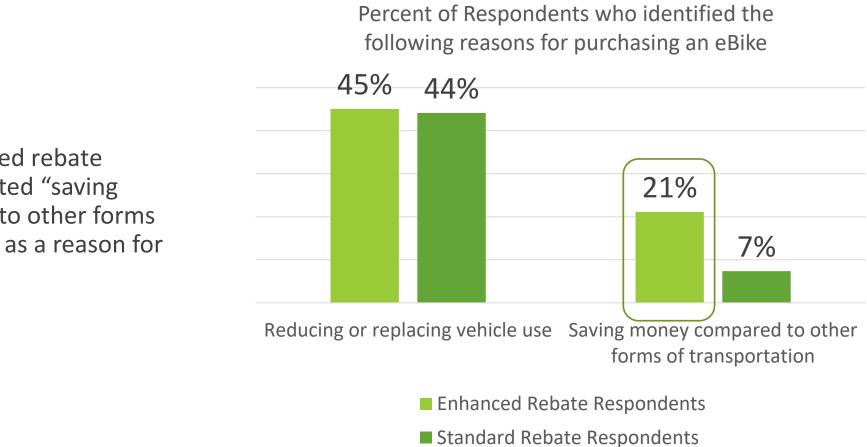
Overall, 50% of survey respondents indicated they would have purchased their incentivized eBike without the state incentive

However enhanced rebate recipients (households with lower incomes) were less likely to say they would have purchased their eBike without the incentive



AGENCY OF TRANSPO

E-Bike Purchase Reasons



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14% more enhanced rebate respondents selected "saving money compared to other forms of transportation" as a reason for acquiring an eBike

*Results shown are of Vermont eBike Consumer Survey respondents only.

eBike Recommendations

- Learn more from survey work and HTC-proposed additional funding round
- Focus on greater greenhouse gas emissions reductions potential (lower incomes, e-cargo bikes, fleets)
 - Align income guidelines with FY2024 proposal, fund only households with lower incomes, increase outreach efforts to deepen impact
 - Provide additional incentive amount for e-cargo bikes
 - Increase Replace Your Ride incentive (as proposed) to encourage adoption of e-bikes and e-cargo bikes as a vehicle replacement
 - Create Electrify Your Fleet incentive program (as proposed) to allow for e-cargo bike fleet applications
 - Continue to provide resources for the public on e-bikes and ongoing utility incentive programs through Drive Electric Vermont partnership



Contact

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