

Vehicle Ownership and Use in the Vermont Travel Model

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Introduction

- The vehicle-ownership module enables the Model to forecast vehicle ownership and use, enhancing the state's ability to
 - Track vehicle-ownership policy implications
 - Highlight ownership trends of different vehicle types
 - Provide fuel-use and greenhouse-gas (GHG) emissions' forecasts
- The project is funded by VTrans
- Major VTrans contributors are Planning Coordinators Dave Pelletier and Zoe Neaderland, as well as Climate Programs Administrator Ari Lattanzi

Benefits of the Vehicle Ownership and Use Module for Vermont

- Past trends in vehicle ownership in Vermont are typified by
 - (1) shifts to more efficient vehicle classes
 - (2) efficiency improvements within classes
- Scenario modeling is needed for forecasts that are consistent with policy goal
- This module is the first of its kind in Vermont with the capability of forecasting the effects of Vermont policies like EV purchase incentives and federal policies like C.A.F.E. standards
- This capability will allow VTrans and its stakeholders to make more accurate forecasts of **fuel use and GHG emissions** from mobile sources in Vermont

Why you should visit the poster

- An interesting classification system of all privately-owned passenger vehicles in Vermont was completed
 - What class is your vehicle in?
- Interesting trends in vehicle ownership in Vermont over the last decade
 - Which vehicle class has nearly disappeared from Vermont's roads since 2011?