

# 2040 Vermont Long-Range Transportation Plan Update

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STAKEHOLDER MEETING #1

VERMONT AGENCY OF TRANSPORTATION

JUNE 29, 2017



# Today's Objectives

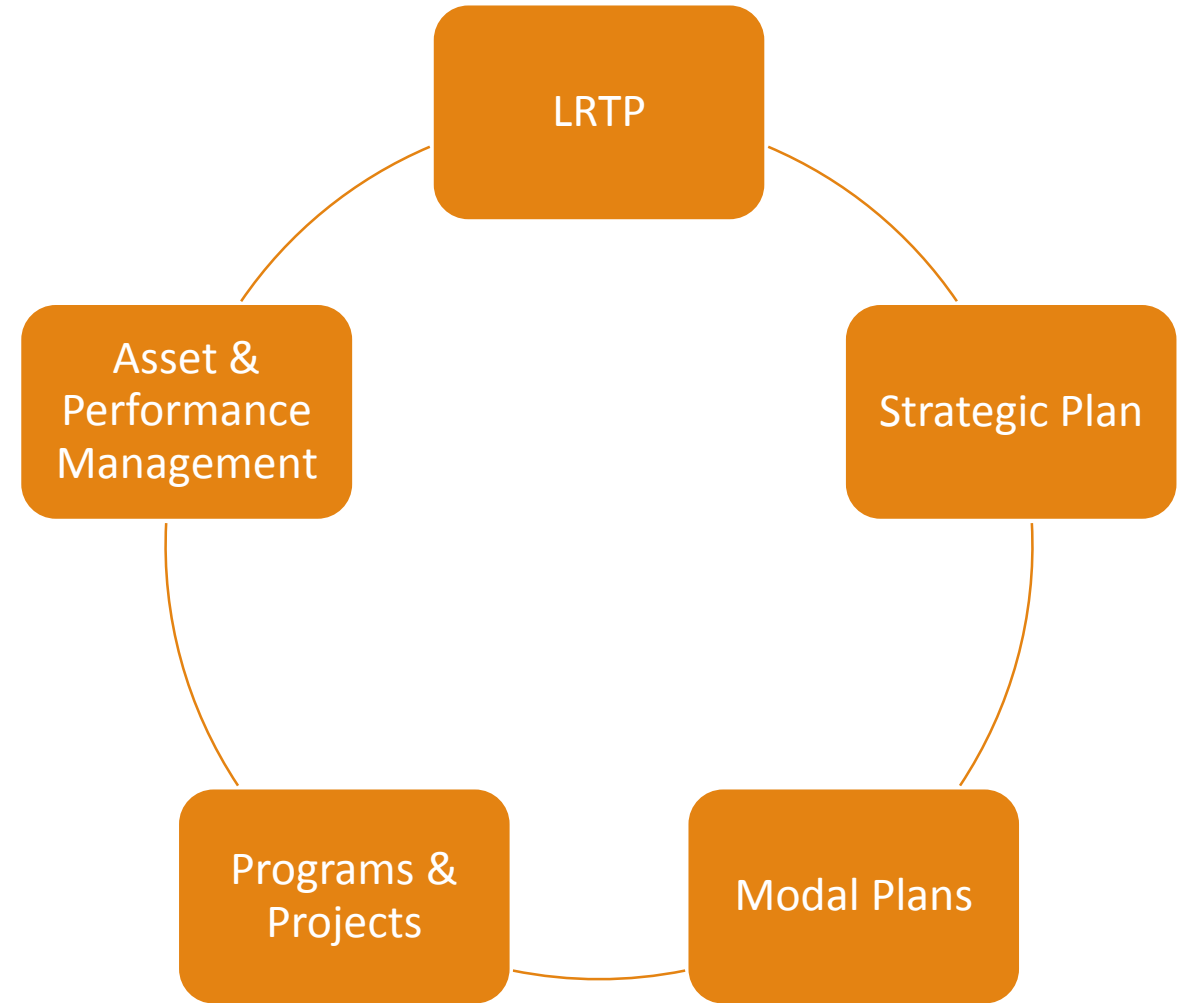
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1. Purpose of the Long Range Transportation Plan
2. Review schedule, roles and responsibilities, & how to stay involved
3. Present overview of Existing Conditions & Future Trends report
4. Listen and document stakeholder perspectives

# LRTP Purpose

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1. Vermont's LRTP guides transportation decision-making and investments over the next 20 years through establishment of priorities.
2. Updated periodically to ensure we are on the right path in terms of policies and investment priorities.
3. Addresses changes in federal policies (over 50% of transportation funding).
4. Guides the development of other plans.



# Current Transportation Vision Statement

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“A safe, reliable and multimodal transportation system that promotes Vermont’s quality of life and economic well-being.”

# Schedule & Roles

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# What's Happened Since the last LRTP?

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1. New Leadership: Governor Scott's Three Goals
  - Growing the economy
  - Making Vermont more affordable
  - Protecting vulnerable populations
2. New Federal Legislation (MAP-21 & FAST Act)
  - New focus on performance-based management (condition of infrastructure, and congestion on the National Highway System)
3. Changing demographics and preferences
4. Climate change and the effects of weather events
5. Changes in technology

# Existing Conditions & Future Trends



# VERMONT'S TRANSPORTATION SYSTEM



## ROADWAYS

**14,171** Total Miles of Local and State Roadway  
**3,103** Miles of National and State Highway Managed by VTrans  
**2,723** Inventoried Local & State Long Bridges (Over 20 foot span)  
**1,089** Inventoried State-owned/Maintained Long Bridges on State Highway  
**1,265** Short Structures (6-20 foot span)  
**50,000** Small Culverts (12-72 inch diameter)  
**156** Traffic Signals



## RAIL

**578** Miles Active Rail Lines (**305** State-owned)  
**145** Miles State-Owned Rail-Banked Trails



## AVIATION

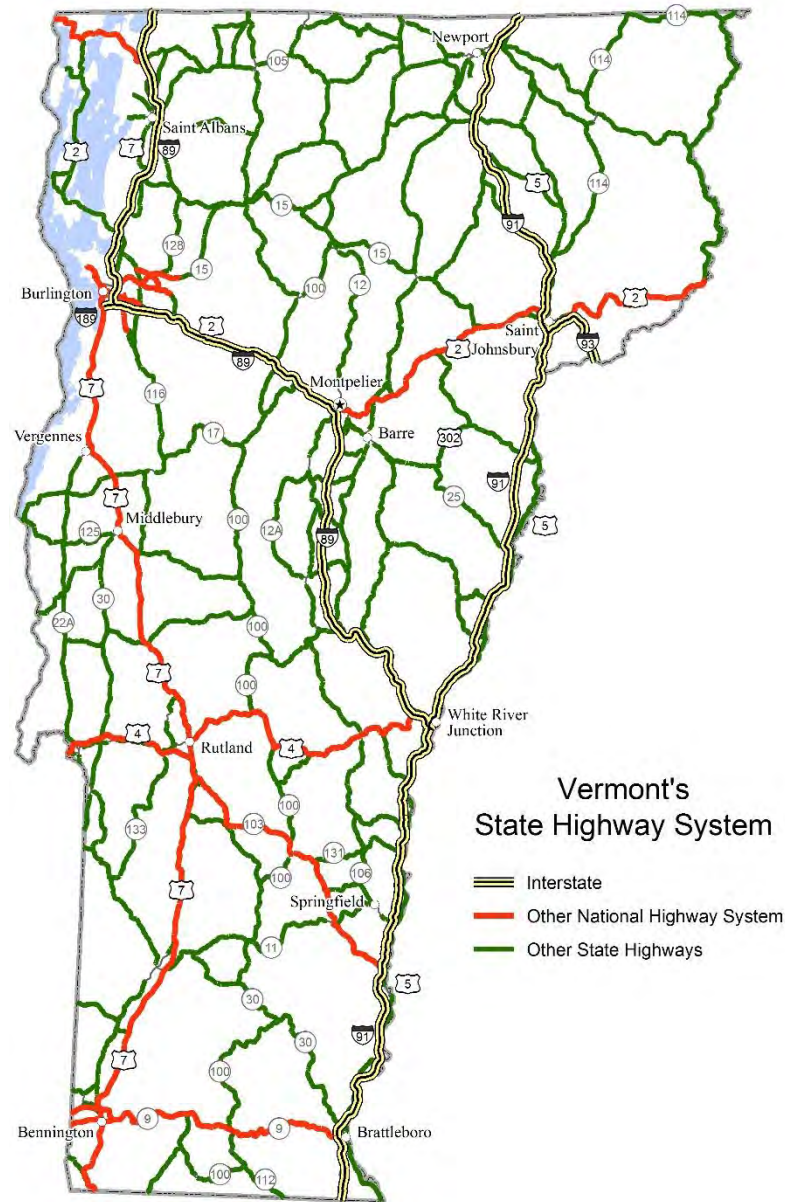
**16** Public-Use Airports (**10** State-owned)

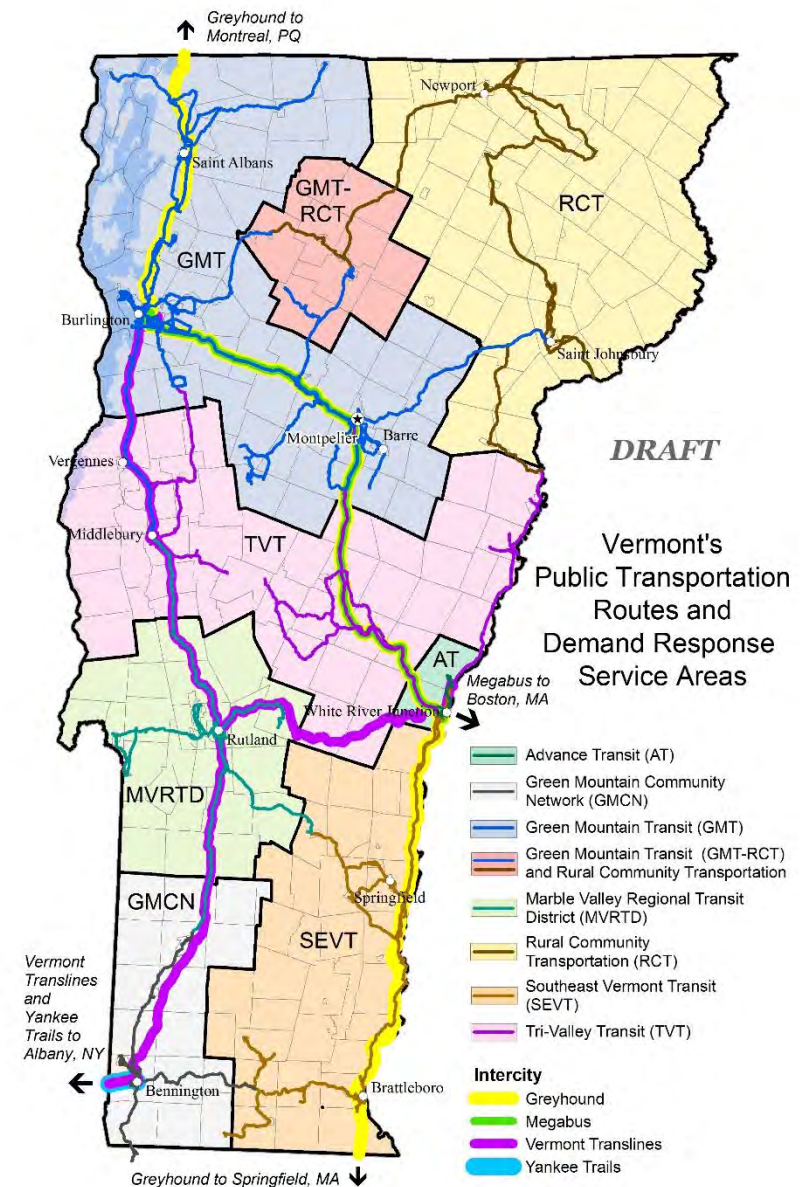
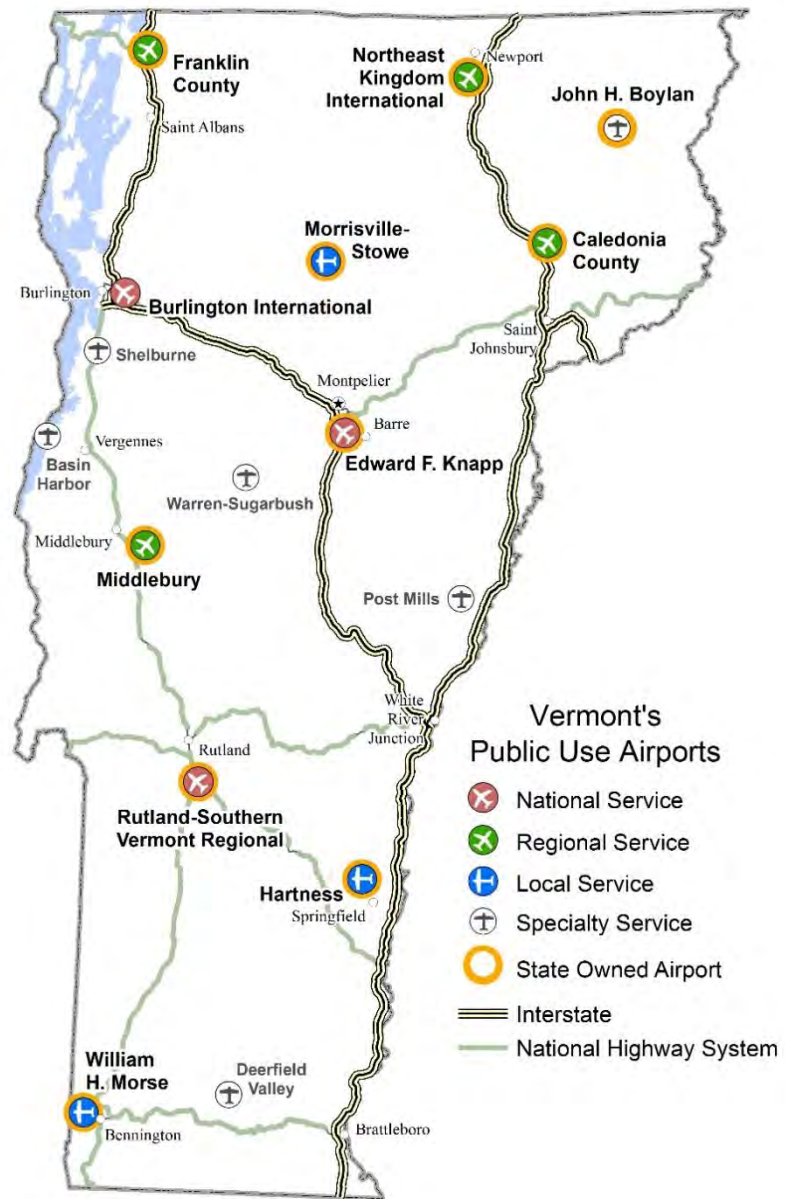


## PUBLIC TRANSIT

**7** Regional Public Transit Providers (**4.7** million rides in 2016)  
**30** State-Owned/Maintained Park-and-Rides with **1,525** Spaces







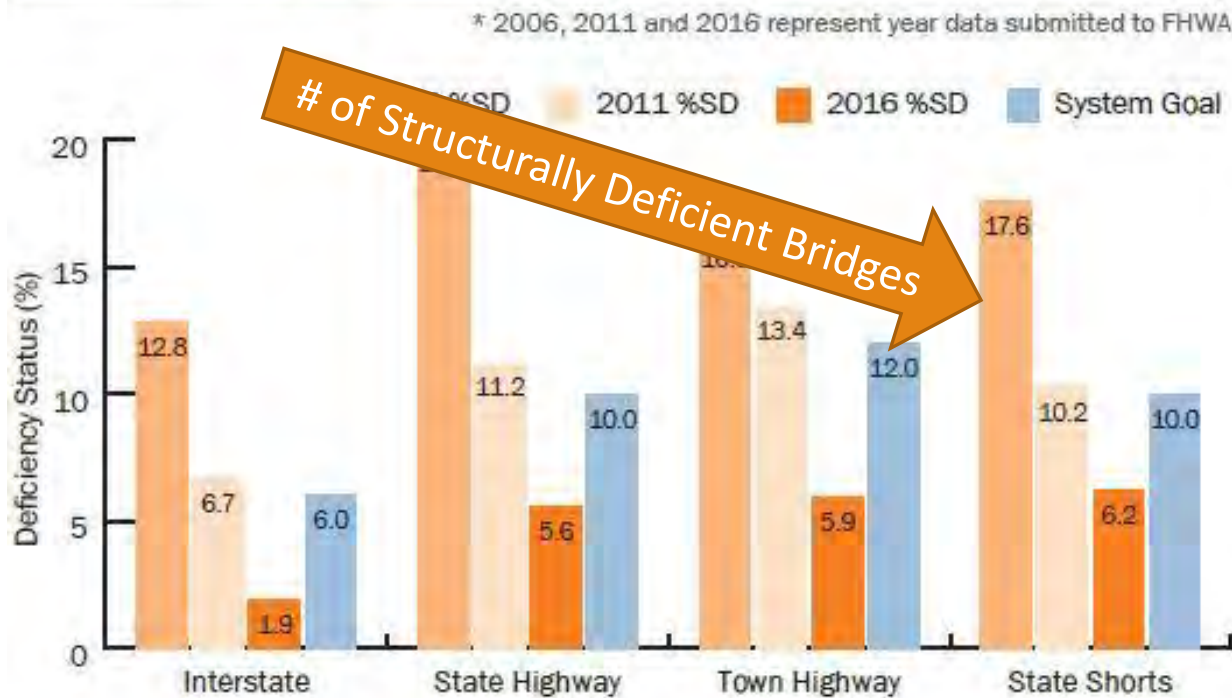


How have these services benefited your community?

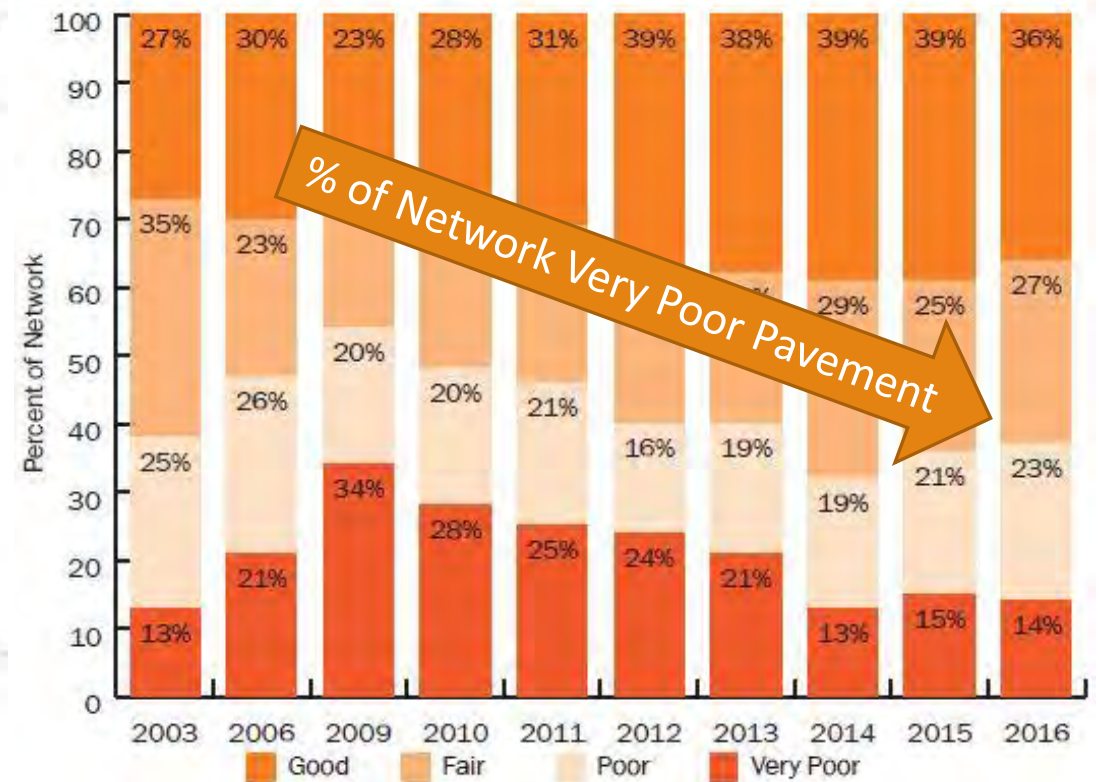
# Infrastructure Conditions

Bridge & pavement conditions have improved considerably. Should we keep going or is it time to think of other priorities?

Structural Deficiency Over Time by System



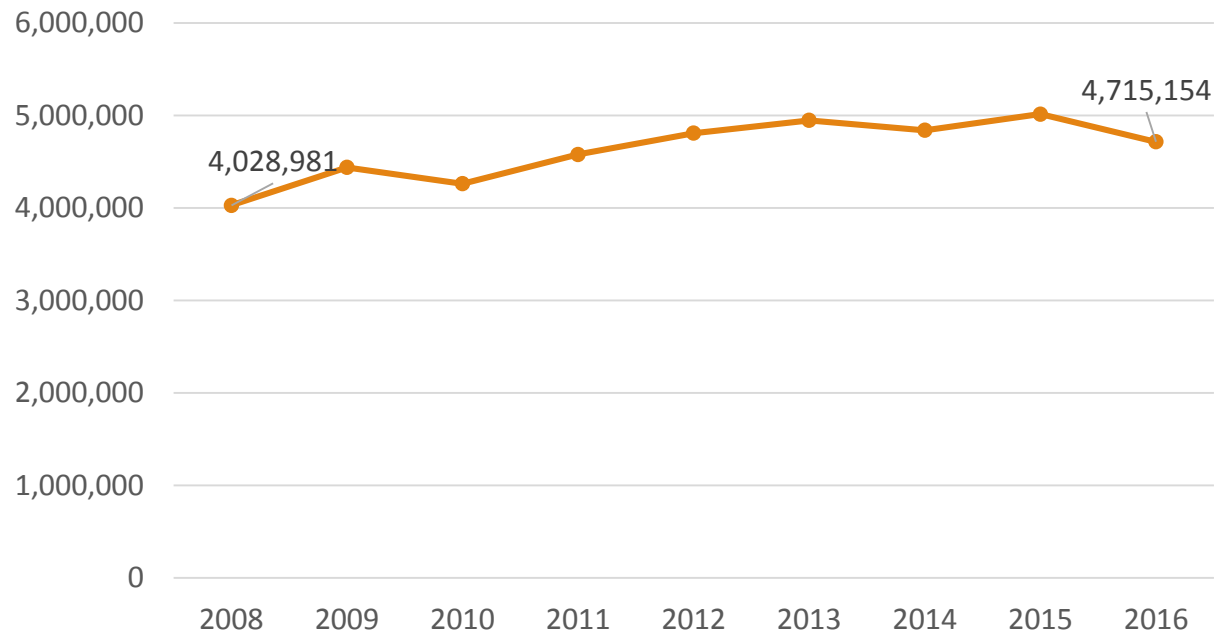
Conditions Over Time, Unweighted



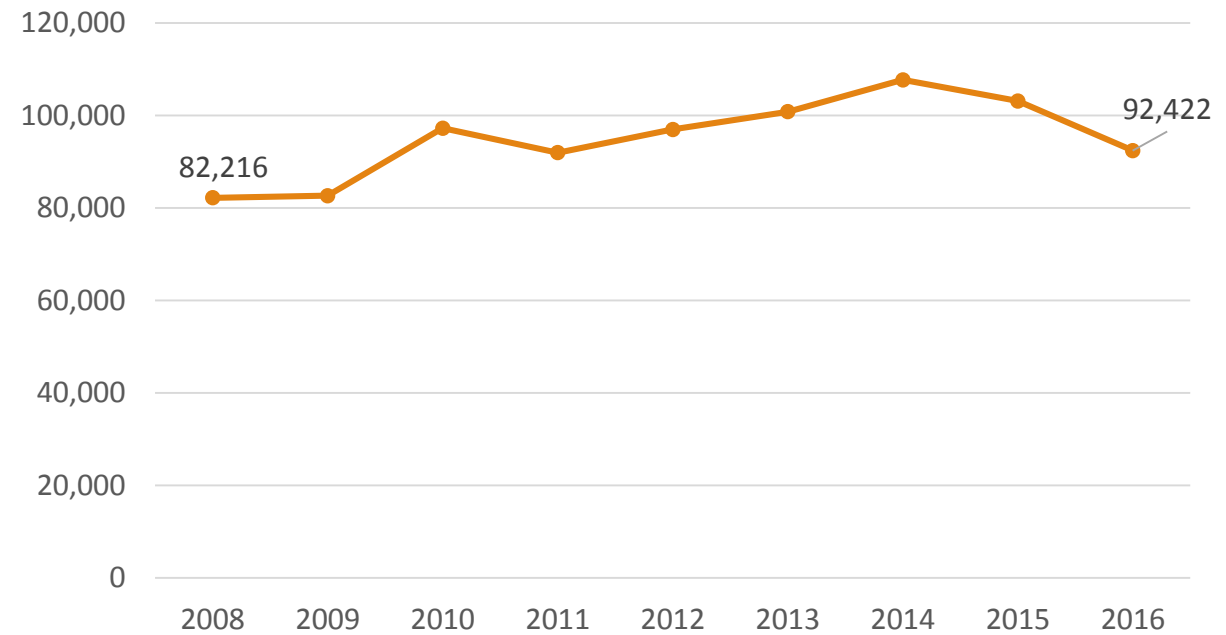
How have these services  
benefited your community?

# Public Transit and Passenger Rail

Transit Ridership in Vermont



Rail Ridership at Vermont Stations

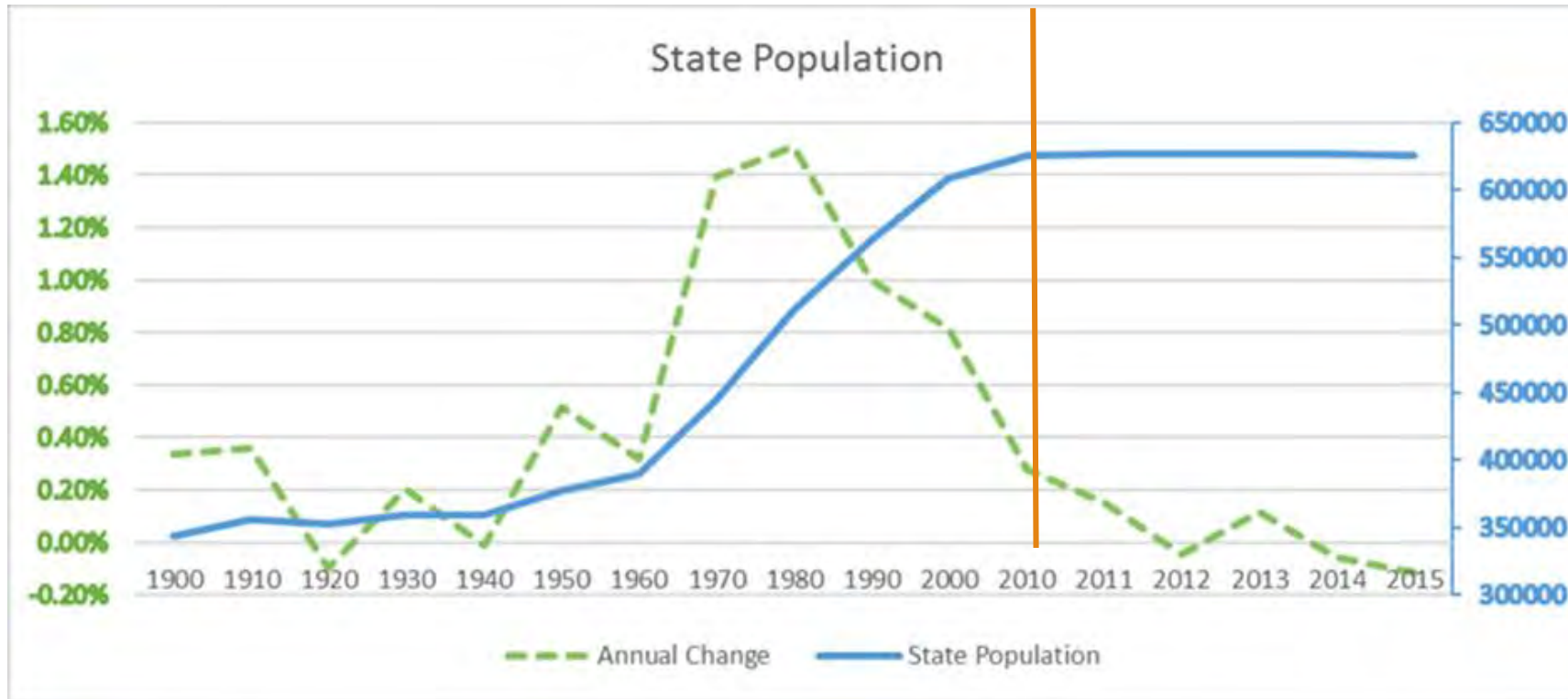


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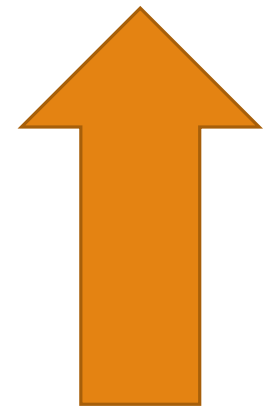
Issues to consider...

# Population Change

If current trends continue, population will grow modestly through 2040.



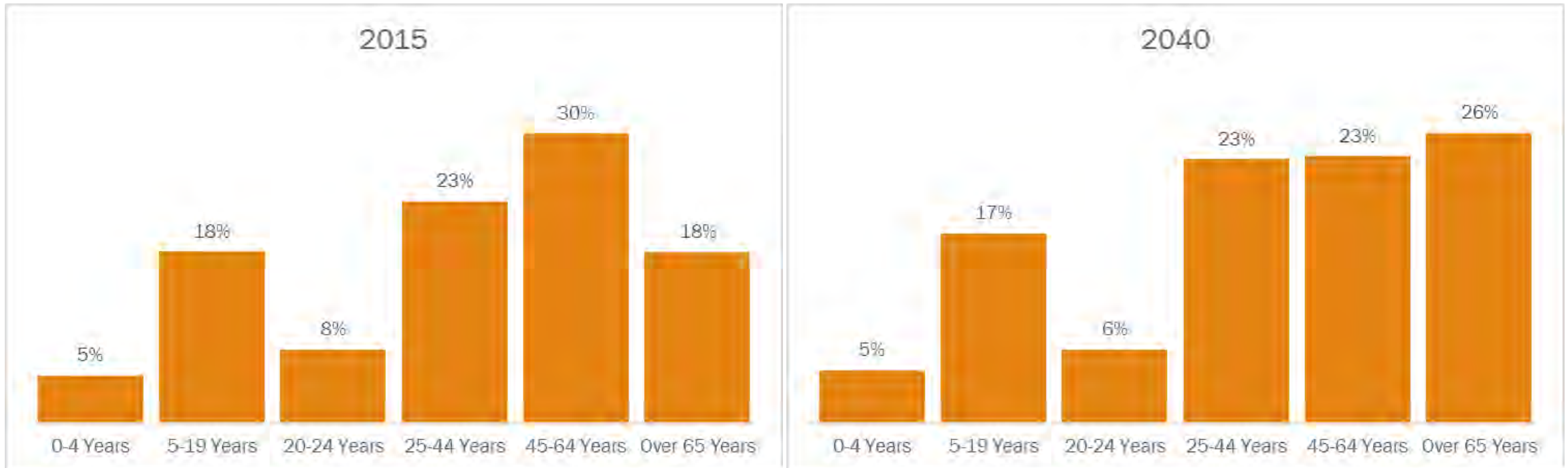
**2040 = 653,458**



Source: Demographic & Economic Trends & Forecasts Report, RSG & EPR, 2016

# Population Change

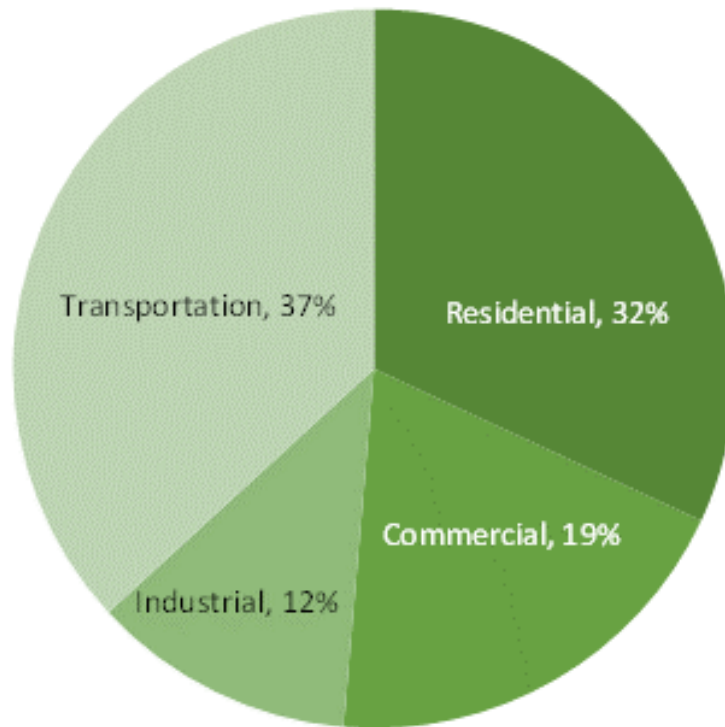
Vermont's population will continue to age. What does this mean for transportation?



Source: Demographic & Economic Trends & Forecasts Report, RSG & EPR, 2016

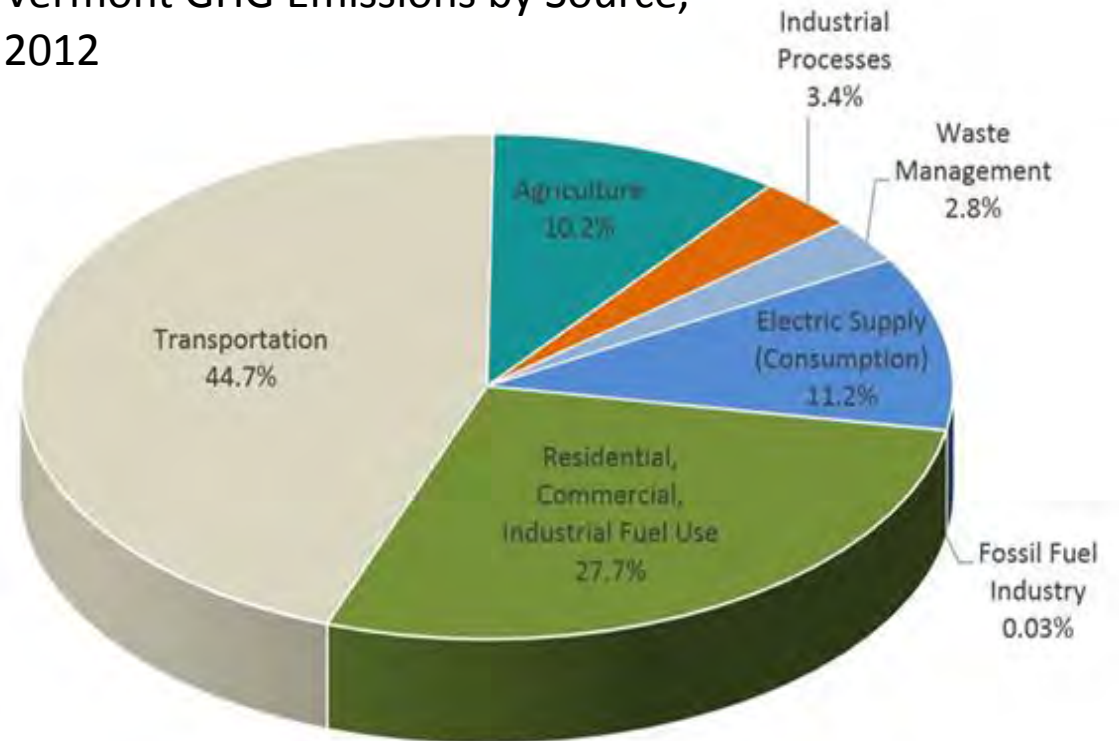
# Energy & Climate Change

Vermont Energy Consumption by Sector, 2013



Source: 2016 VT Comprehensive Energy Plan/U.S. EIA, 2015

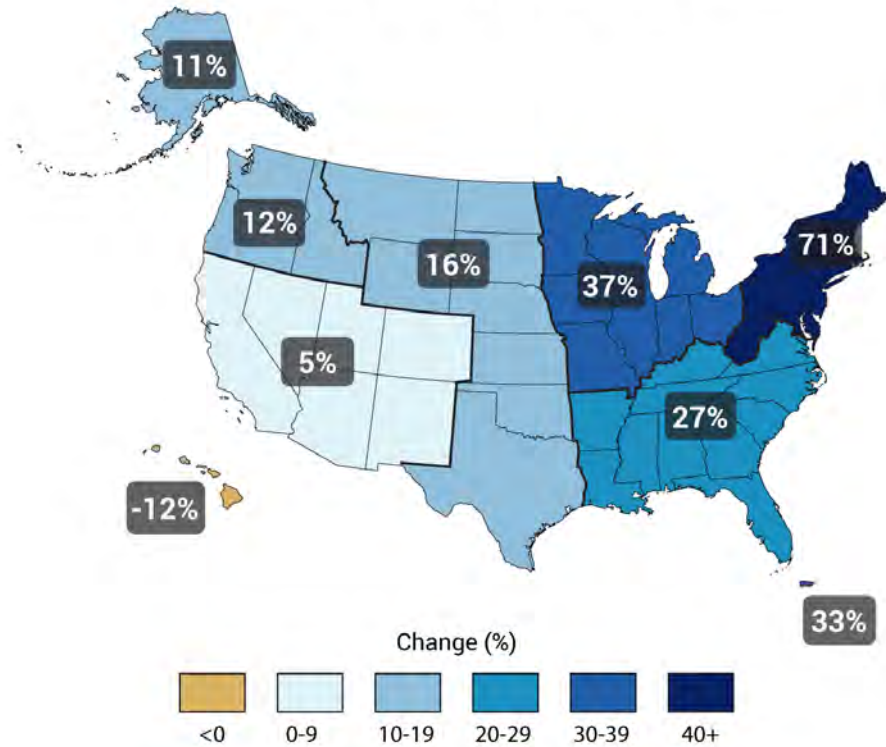
Vermont GHG Emissions by Source, 2012



Source: 2016 VT CEP/ANR

# Climate Change & System Resilience

Observed Change in Very Heavy Precipitation 1958-2012



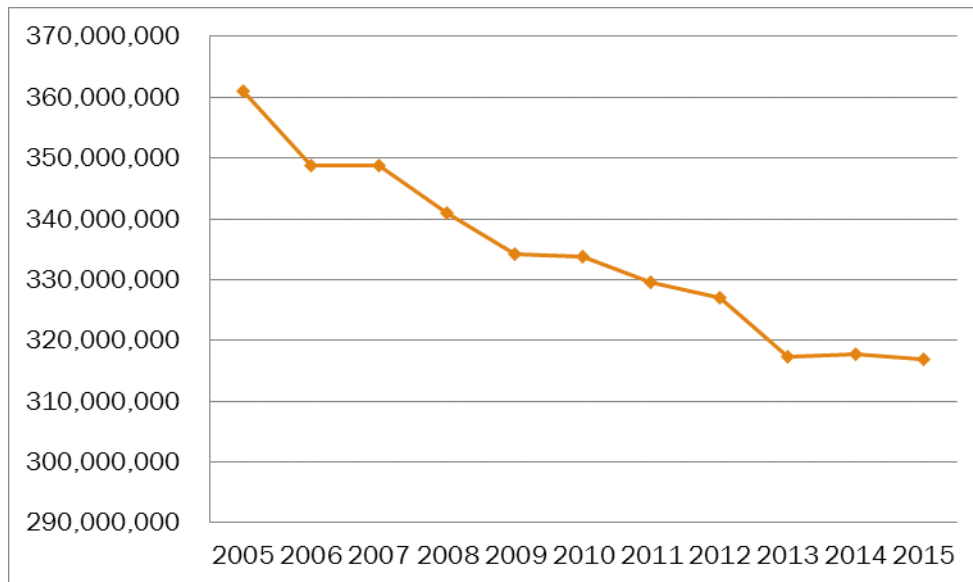
Source: <http://nca2014.globalchange.gov/>



# Fuel Consumption Change

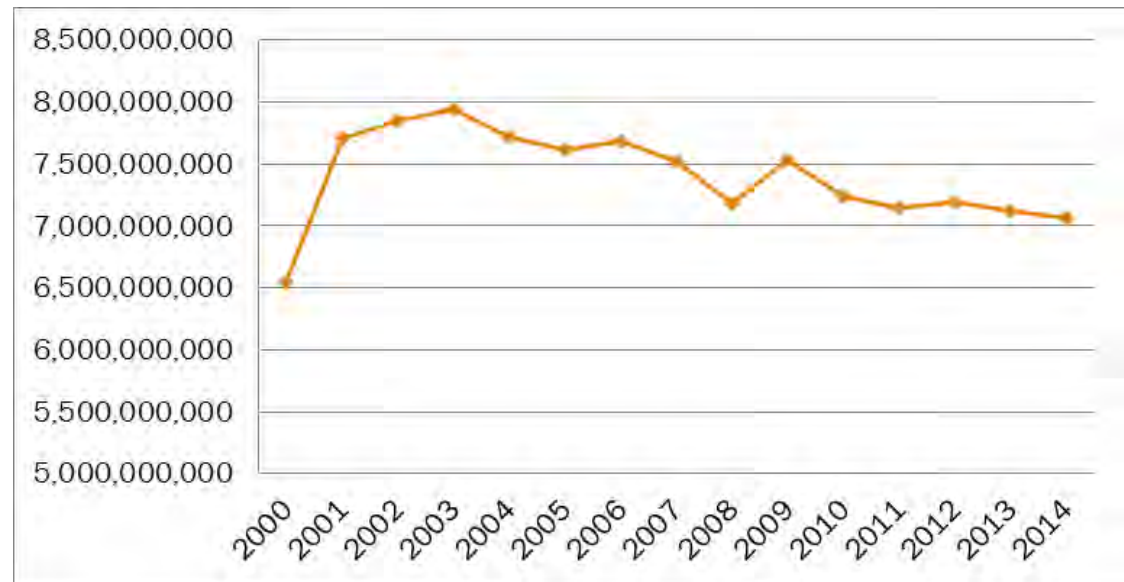
Improved fuel efficiency and electric vehicles will place pressure on gasoline consumption, and revenue.

Vermont Gasoline Consumption by State Fiscal Year (Gallons), 2005-2015



Source: Vermont Joint Fiscal Office – Gasoline & Diesel Revenues Report

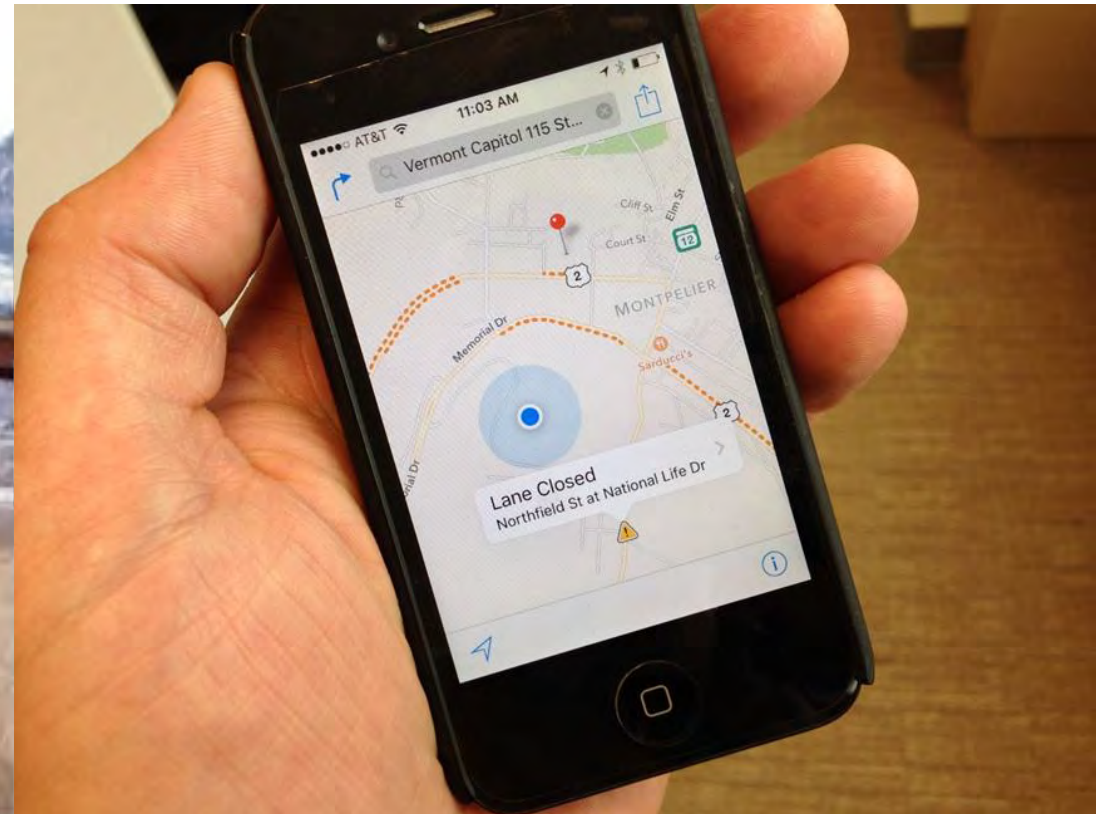
Vehicle Miles Traveled in Vermont, 2000-2014



Source: VTrans Highway Research Section – Vehicle Miles Traveled, 2003-2014

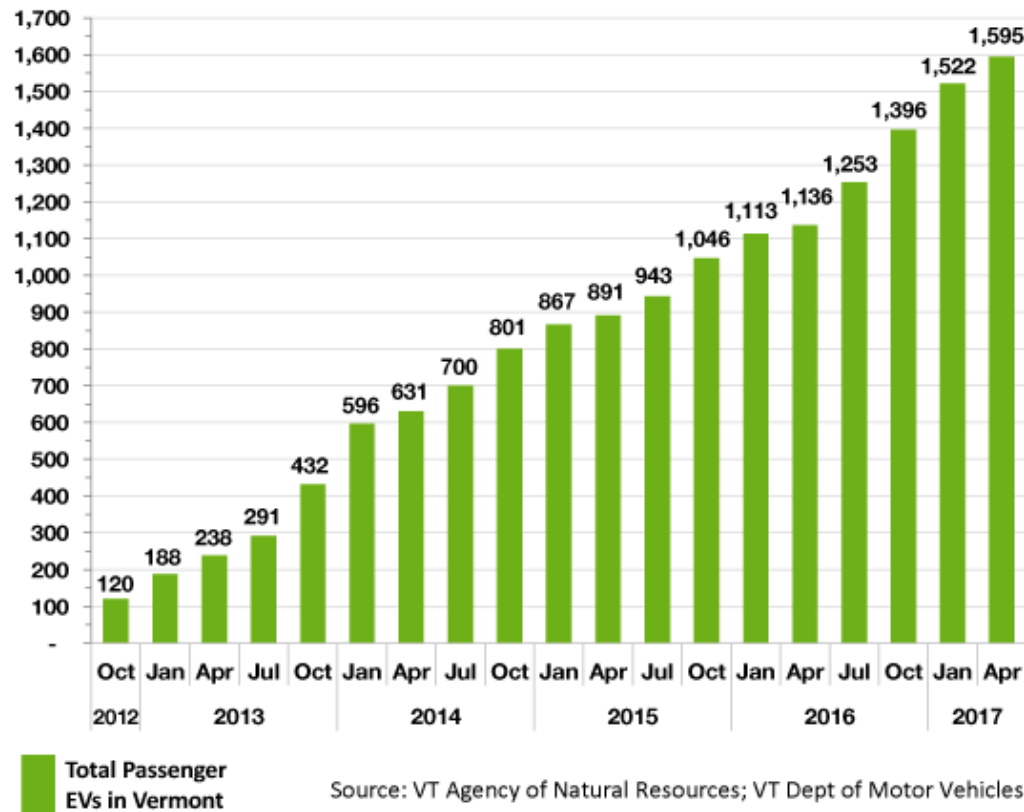
# Technological Change – Information

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# Technological Change – Electric Vehicles

There are now almost  
1,600 registered EVs and  
160 public charging  
stations in Vermont



Source: [driveelectricvermont.com](http://driveelectricvermont.com)



# Technological Change – Vehicle Automation & Connectivity

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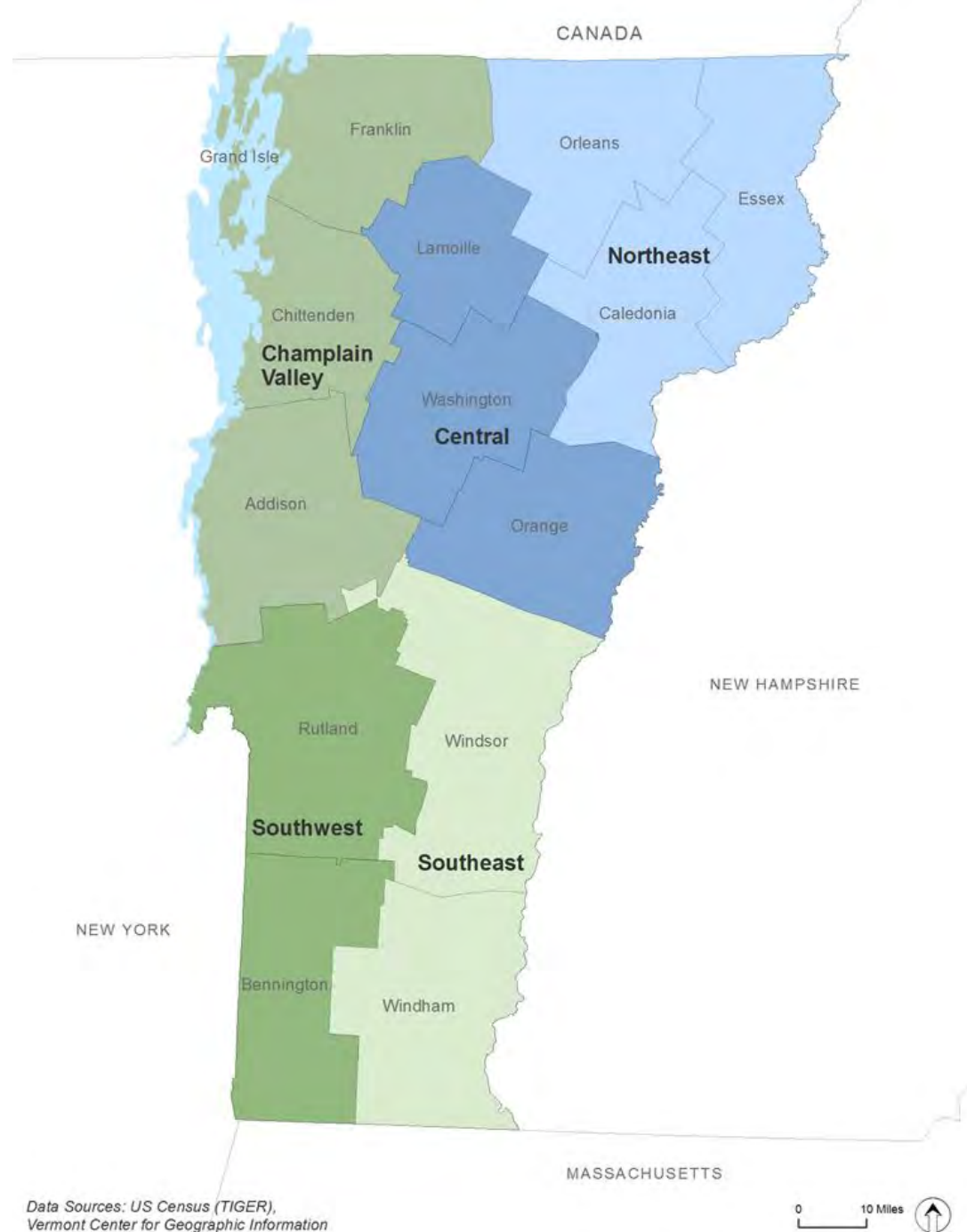


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# Results of 2016 Statewide Transportation Public Opinion Survey

# Survey Process

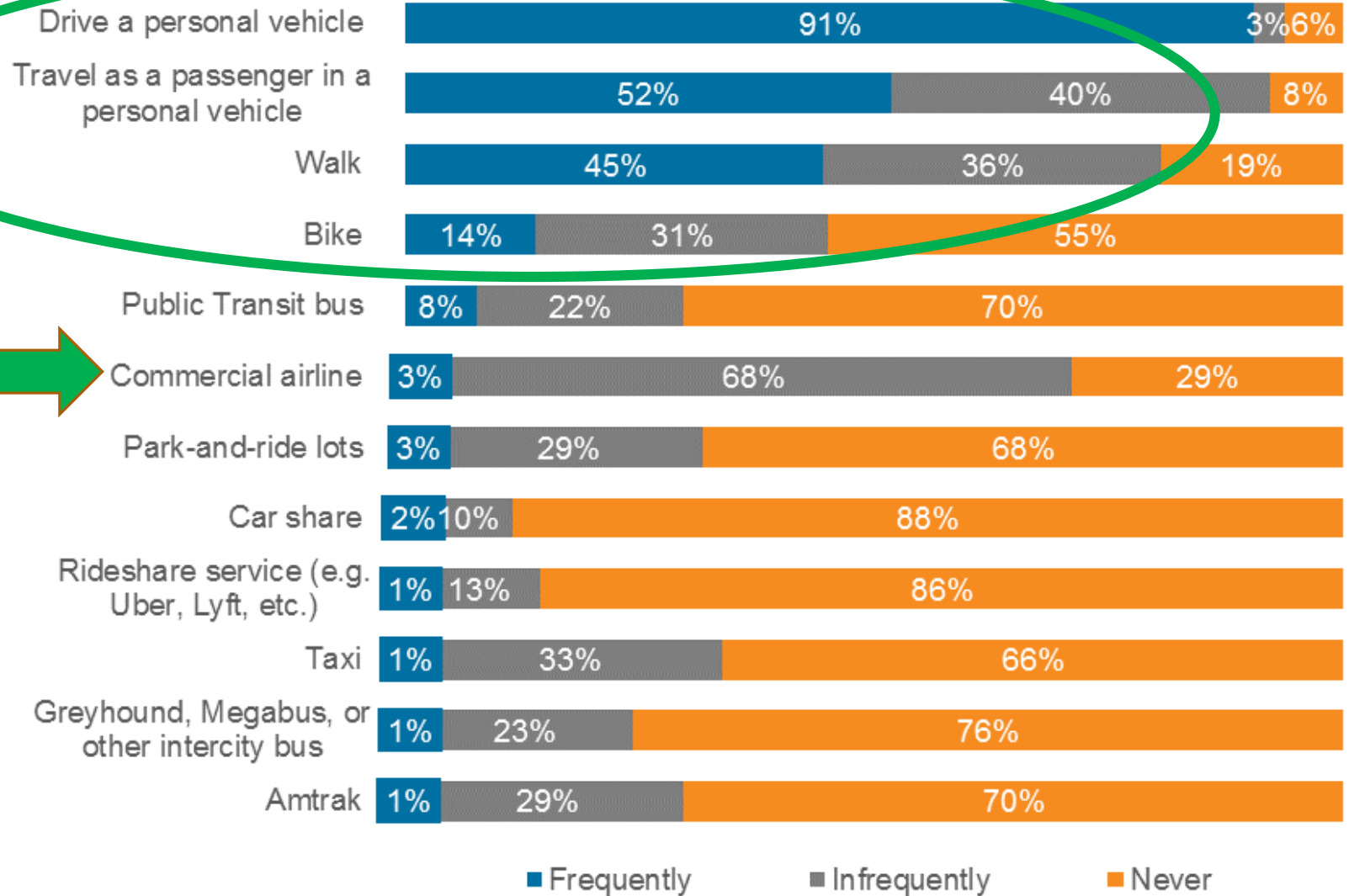
- Statewide survey; five regions
- Address-based random sample of 12,000
- Responses weighted by gender, age, income by region; regions by population
- 2,232 surveys completed (near 20% response)



## 2016 Statewide Transportation Public Opinion Survey

How often do you use the following transportation options or services?

- Frequent = multiple times per week or month
- Infrequent = multiple times per year or less

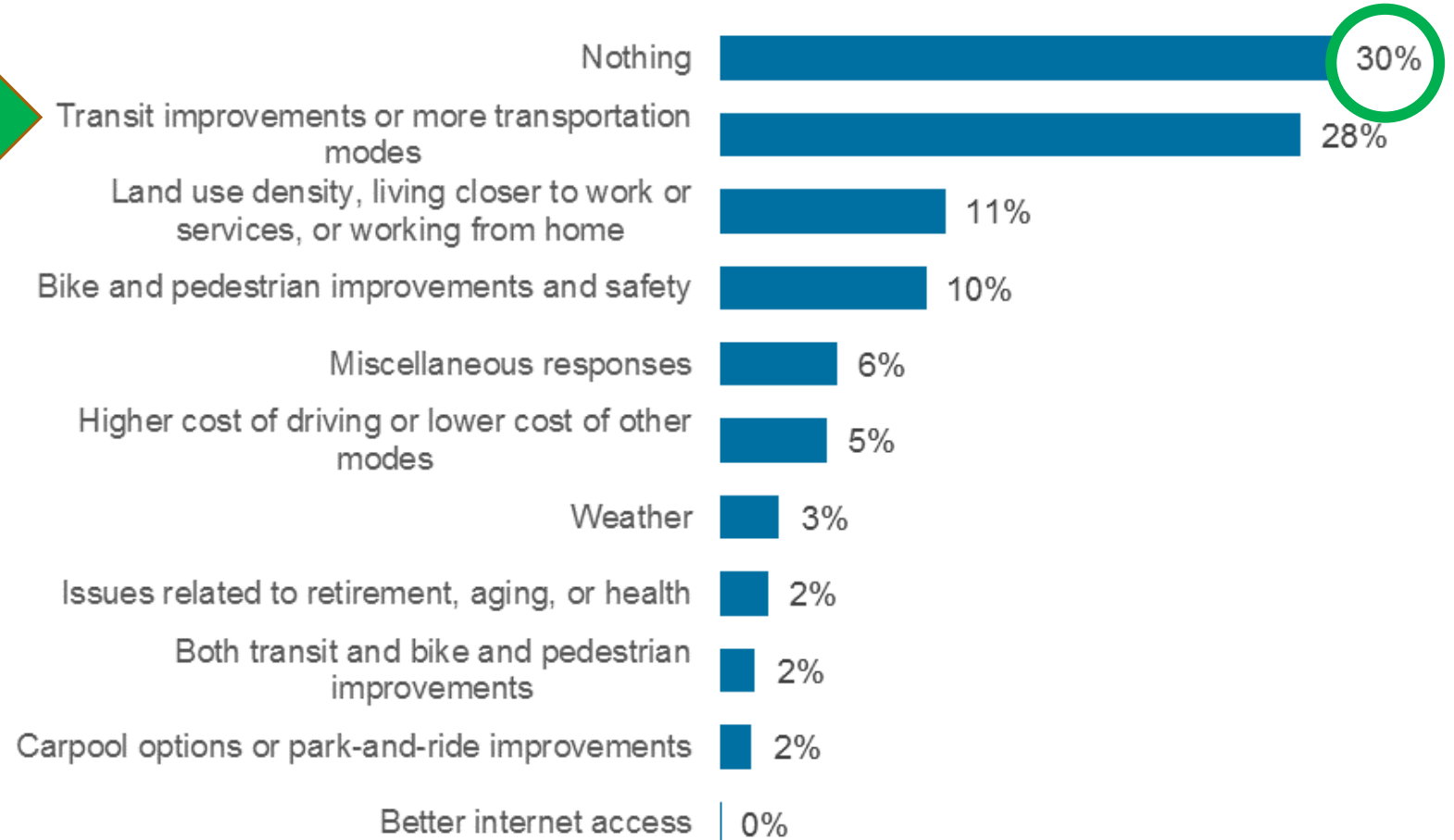


## 2016 Statewide Transportation Public Opinion Survey

What might encourage you to drive your car less in Vermont?

➤ “Nothing” 2006 = 37%

➤ “Nothing” 2000 = 67%



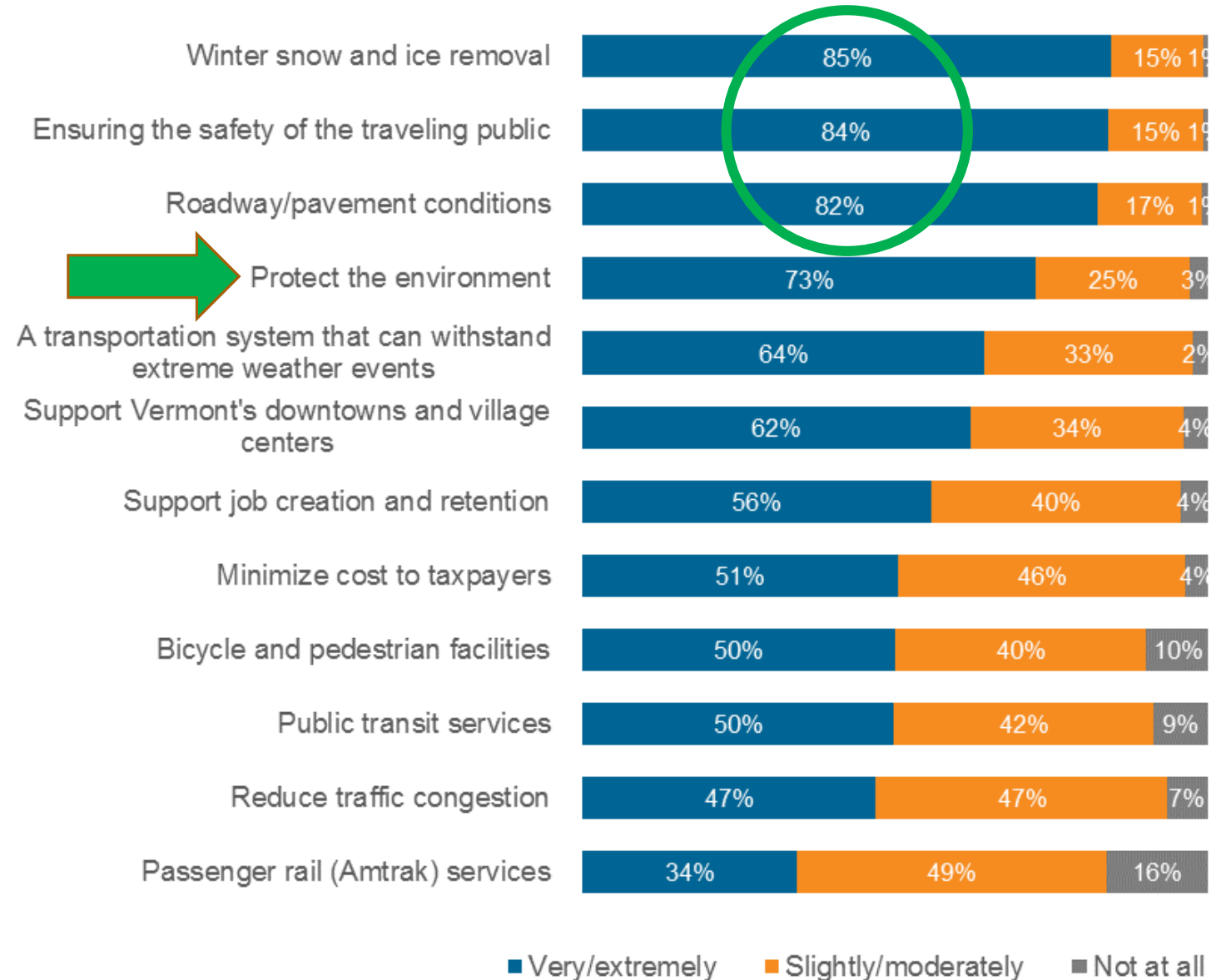
How important are the following services & issues to you?

➤ 2006 three top priorities same as 2000:

1. Safety
2. Environment
3. Preserve Landscapes and Village Character



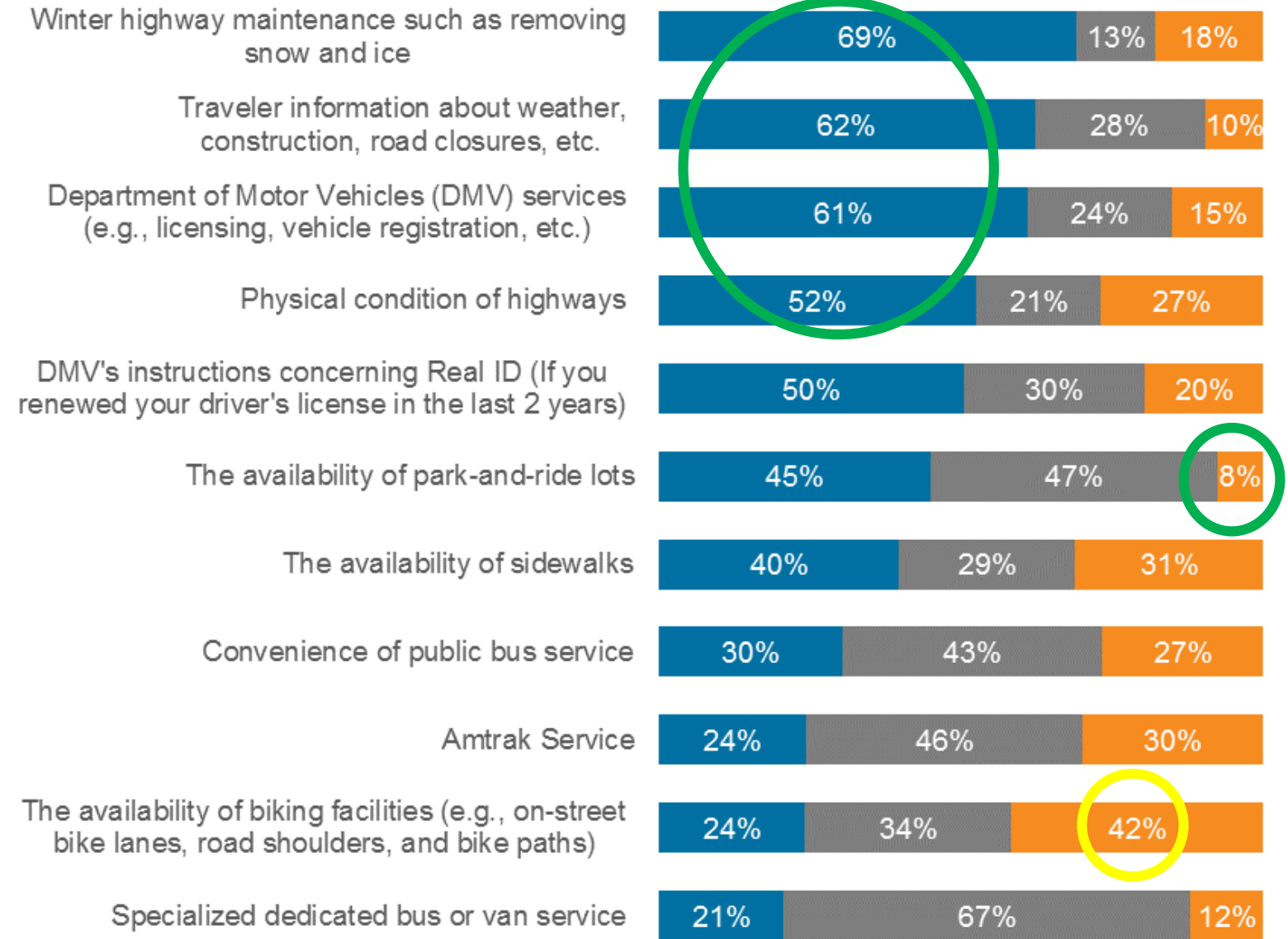
## 2016 Statewide Transportation Public Opinion Survey



How satisfied are you with the following transportation services or infrastructure in Vermont?



## 2016 Statewide Transportation Public Opinion Survey



■ Satisfied ■ Neither Satisfied nor Dissatisfied ■ Dissatisfied

# Discussion

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- 1) Are there any major topics or issues missing?
- 2) What resonates most or least for you?
- 3) Does the current Vision statement still serve us?
- 4) General comments?

# Next Steps

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- 1) Summer Regional Planning Commission TAC outreach continues
- 2) VTrans internal stakeholder meeting August 8th
- 3) Planning staff synthesizes input from Regional Planning Commission TAC meetings and first stakeholder meetings
- 4) Prepare for Fall stakeholder meetings where we will develop Draft Priorities and Policies

# Thank you

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Existing Conditions Report, 2016 Transportation Survey, this presentation and more, posted at:

[vtrans.vermont.gov/planning/long-range-plan](http://vtrans.vermont.gov/planning/long-range-plan)

Please forward comments and questions to Dave Pelletier at:

[dave.pelletier@vermont.gov](mailto:dave.pelletier@vermont.gov)

