



Vermont Freight Forum

Supporting the Vermont Freight Plan Update

– May 6, 2021

Vermont Freight Forum Agenda



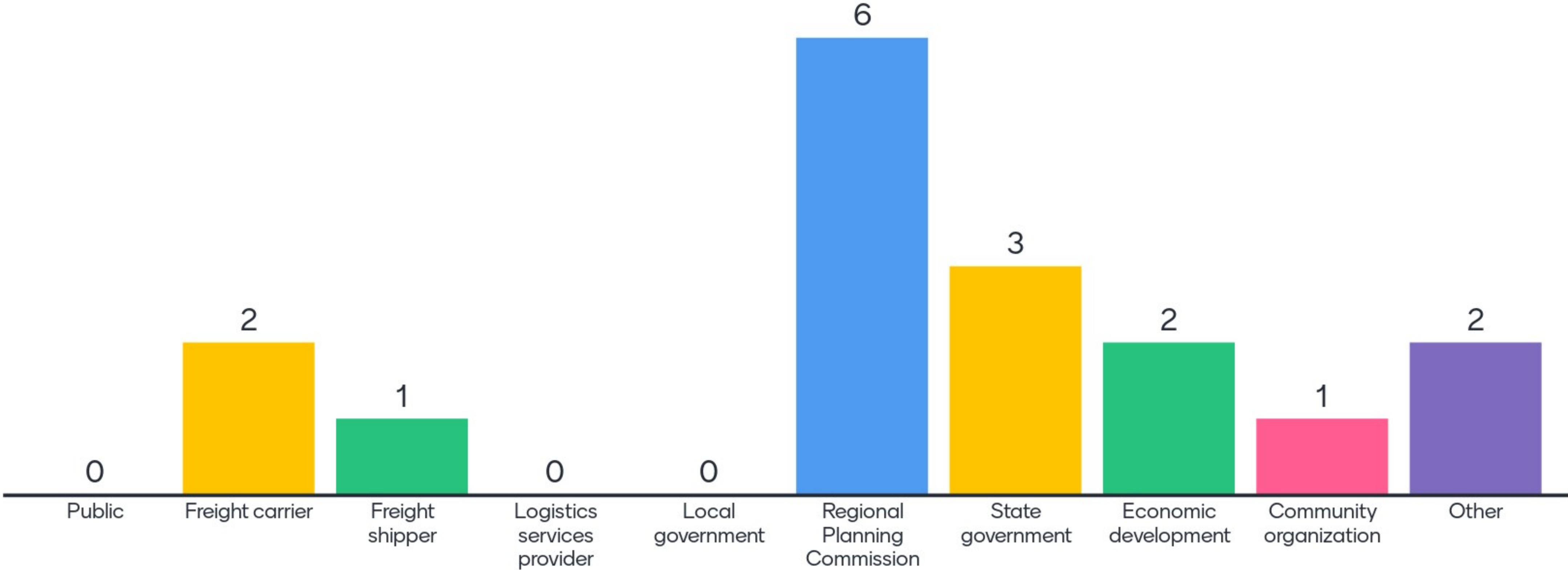
www.menti.com | code 5171 7462

We will be using interactive polling throughout the meeting.

You can view the entire presentation via Menti or just respond to polling questions via your smartphone, tablet, or another browser tab.



What is your affiliation?



What is Freight?



Freight transportation is the movement of goods, for example:

Raw materials moved to manufacturing facilities

Manufactured products moved to warehouses and retailers

Agricultural products delivered to farm stands, retail stores, food product manufacturers, and institutions

E-commerce orders delivered to your door

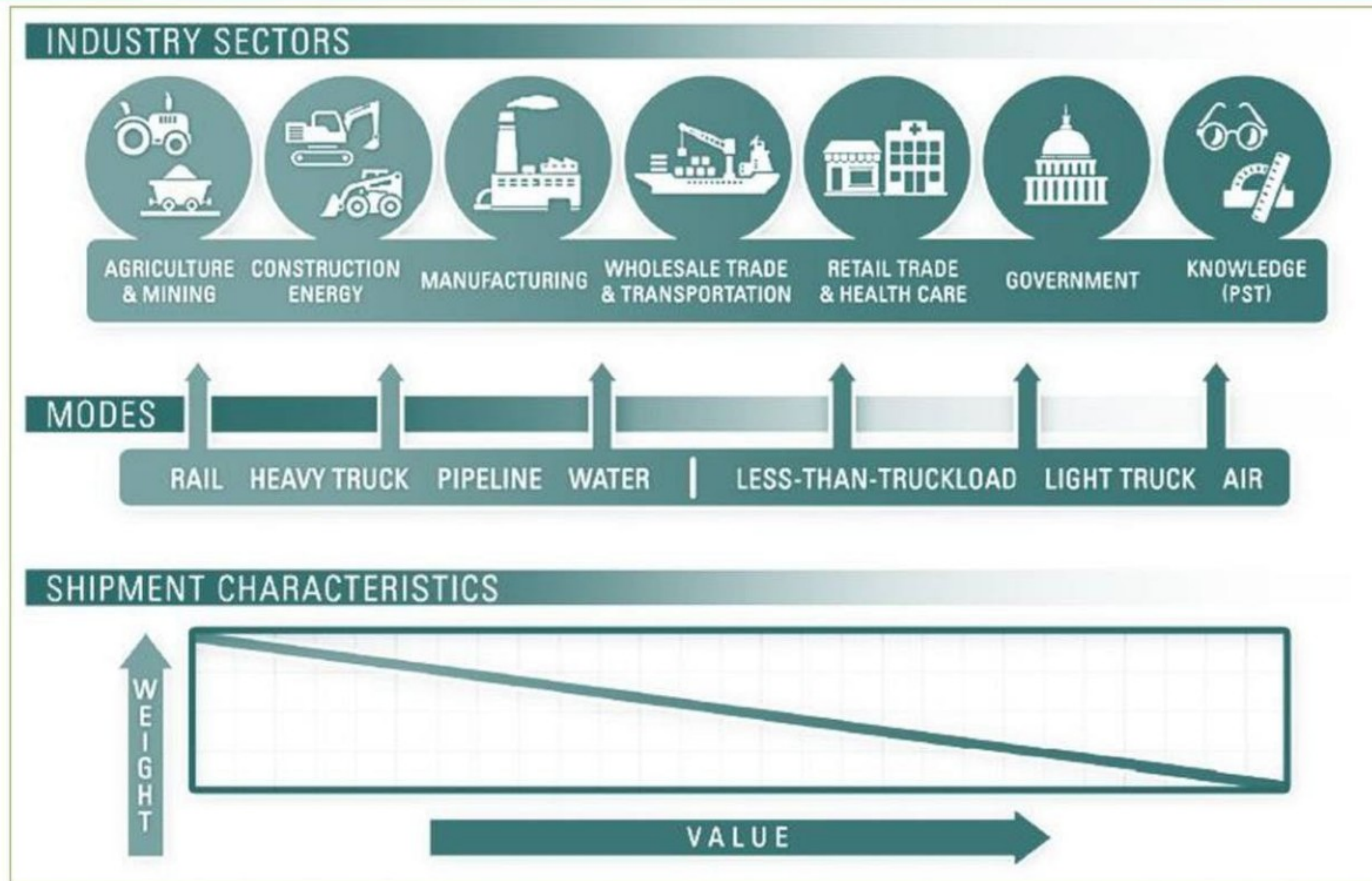
Medical supplies delivered to hospitals

Home heating oil delivered

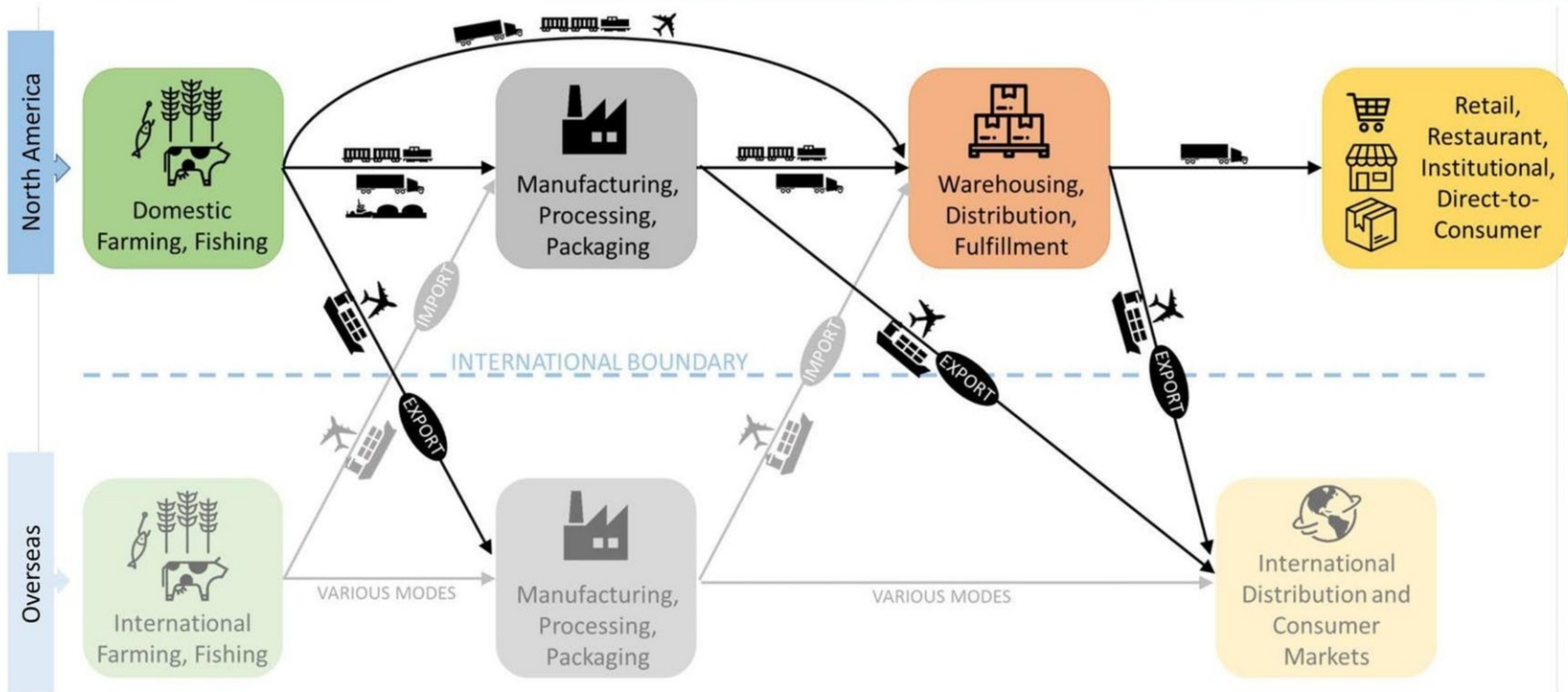
Construction materials delivered to job sites

Waste picked up and moved to recycling or disposal facilities

Common Freight Modes by Industry Sector



Supply Chain Example: Food Products



In what ways does freight support your business or way of life?

delivery of materials to a job site

Freight supports 100% of our business

100%

the transportation of groceries, I care about this on a daily basis

brings me all the goods I use every day!

Shipping of food and goods to our family

E-commerce has become a big part of home life in the past year.

I work in the railroad industry- freight pays the bills

Receiving consumer goods that have been ordered online or telephone as well as purchased in retail food and goods



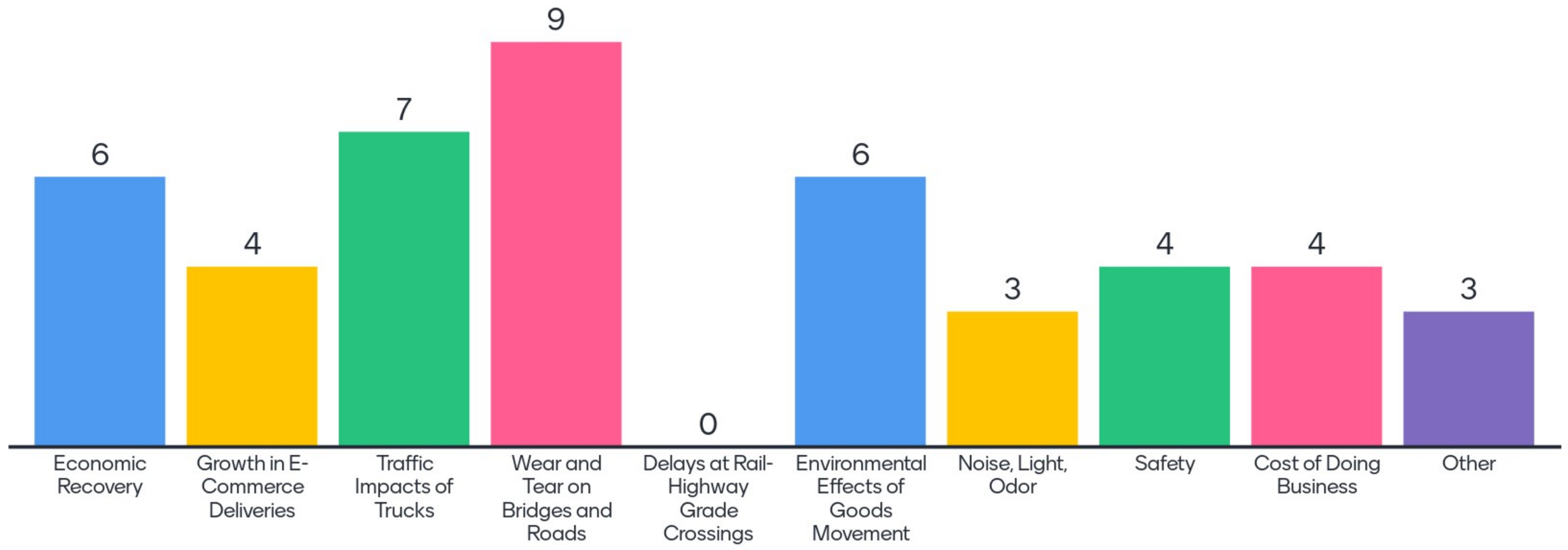
In what ways does freight support your business or way of life?

Freight supports our entire way of life

Indirect: provides supply chain for businesses we work with. Shipping in raw materials and shipping out finished products.

Receive goods weekly by truck

What freight issues are you most interested in or concerned about? (select up to 3)



Vermont Freight Plan Update Overview

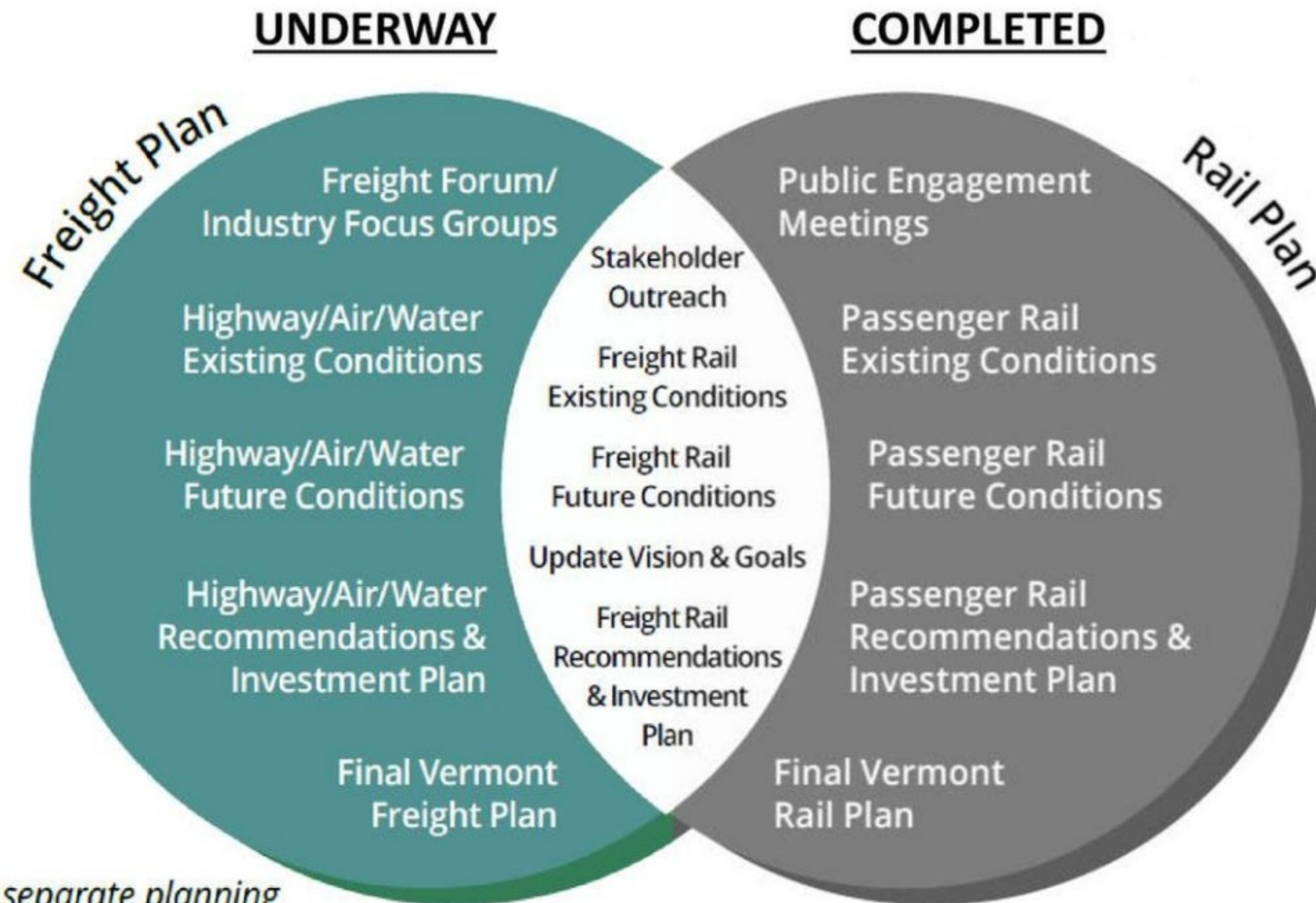


Vermont Freight Plan Background



- Good planning and follow-through makes for an efficient freight system for Vermont
- FHWA requires a State Freight Plan every five years in order to obligate Freight Formula funds
- State Freight Plans must include:
 - Freight trends, needs, and issues
 - Freight policies, strategies and performance measures
 - How innovative technologies are being considered
 - Congestion, delay, mobility, and deterioration issues (if applicable);
 - Freight Investment Plan;
 - Engage stakeholders and Freight Plan Advisory Committee

Rail Plan & Freight Plan Overlaps



Although two separate planning efforts, the Freight and Rail Plans share common tasks and work products.

Additional Information on Web Page

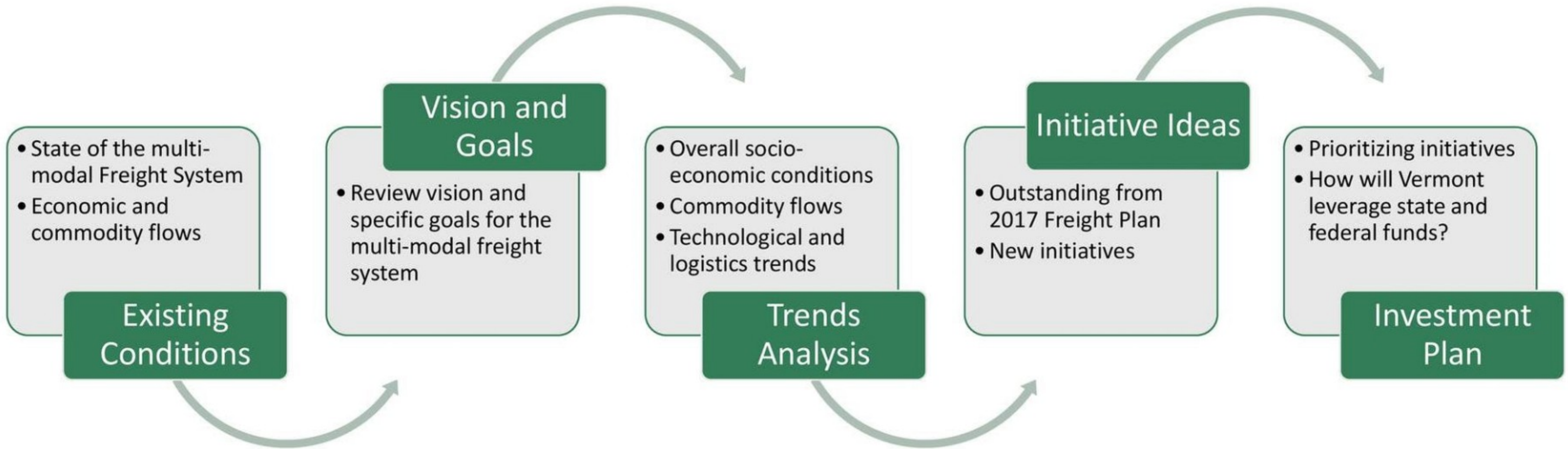


- Newsletters
- Data Trends Summaries
- Technical memoranda
- Meeting presentations
- Online map with information and feedback tool

Freight Plan Web Page:

<https://vtrans.vermont.gov/planning/freight>

Freight Plan Elements



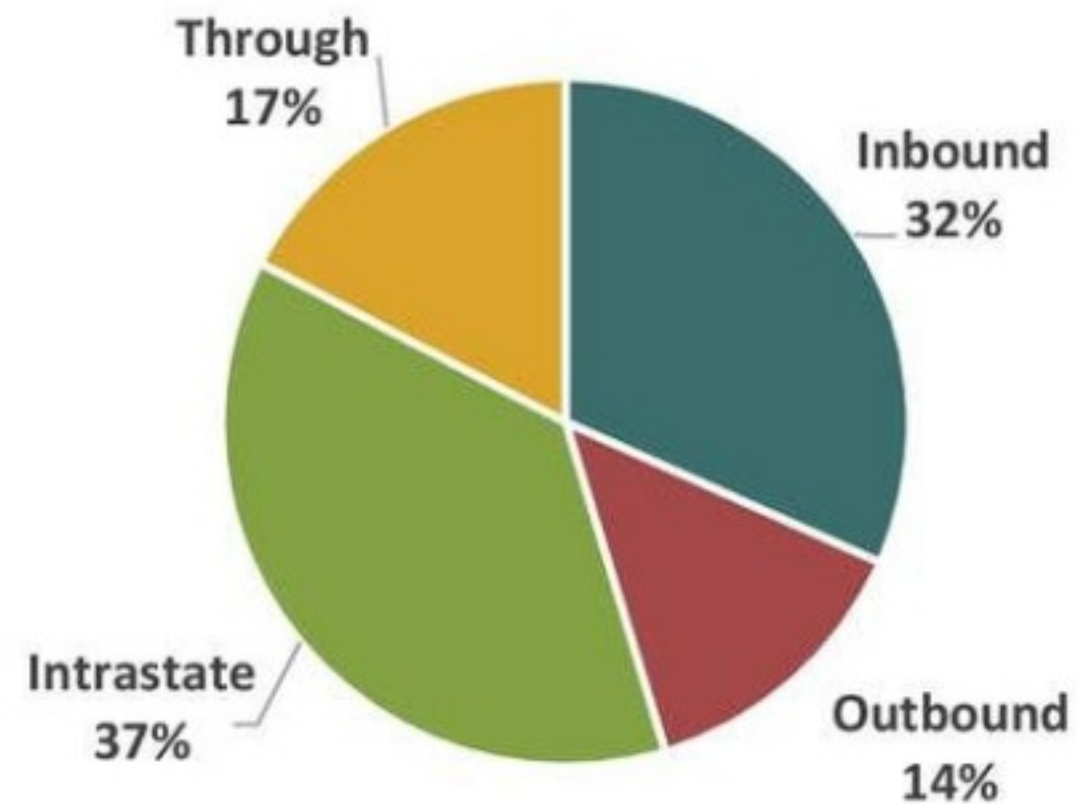
Freight Trends and Issues



Commodity Flow Summary

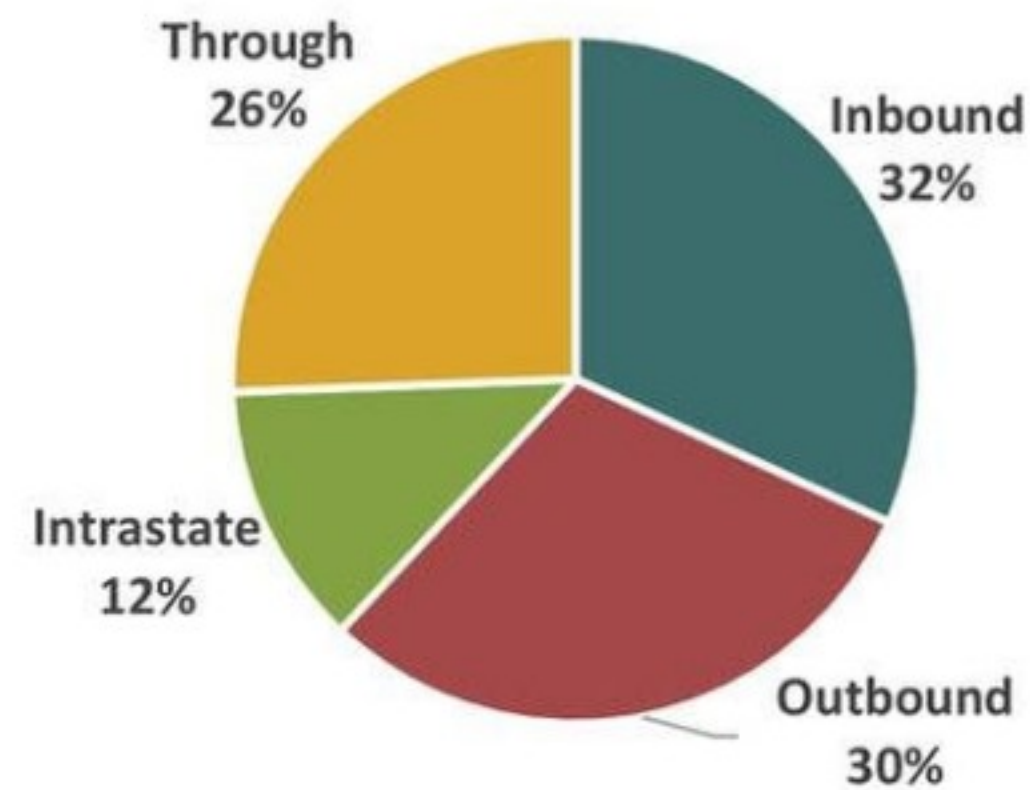


2018 Tons by Direction
Total = 47 Million Tons



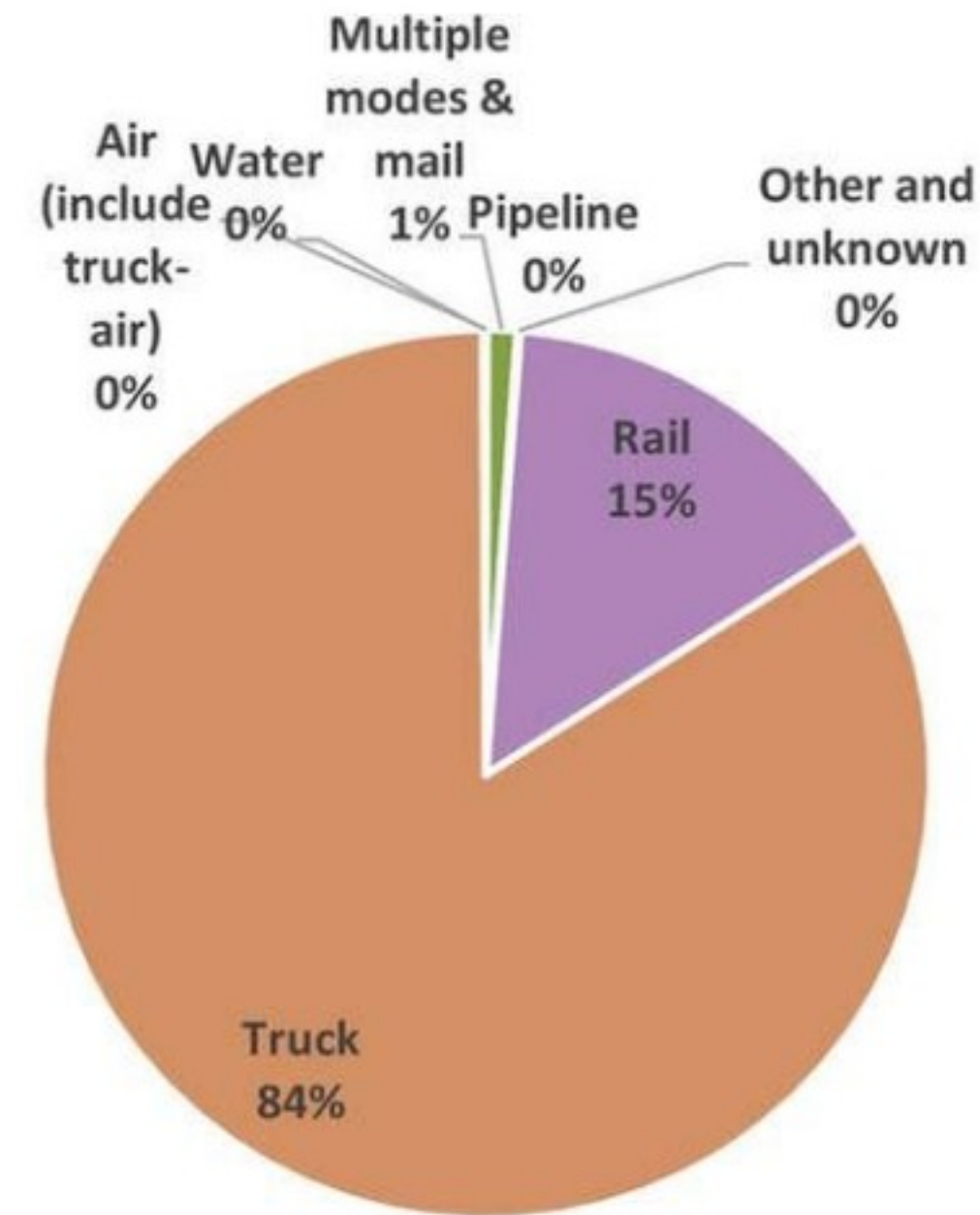
By 2045:
79 million tons,
68% increase

2018 Value by Direction
Total = \$71 billion

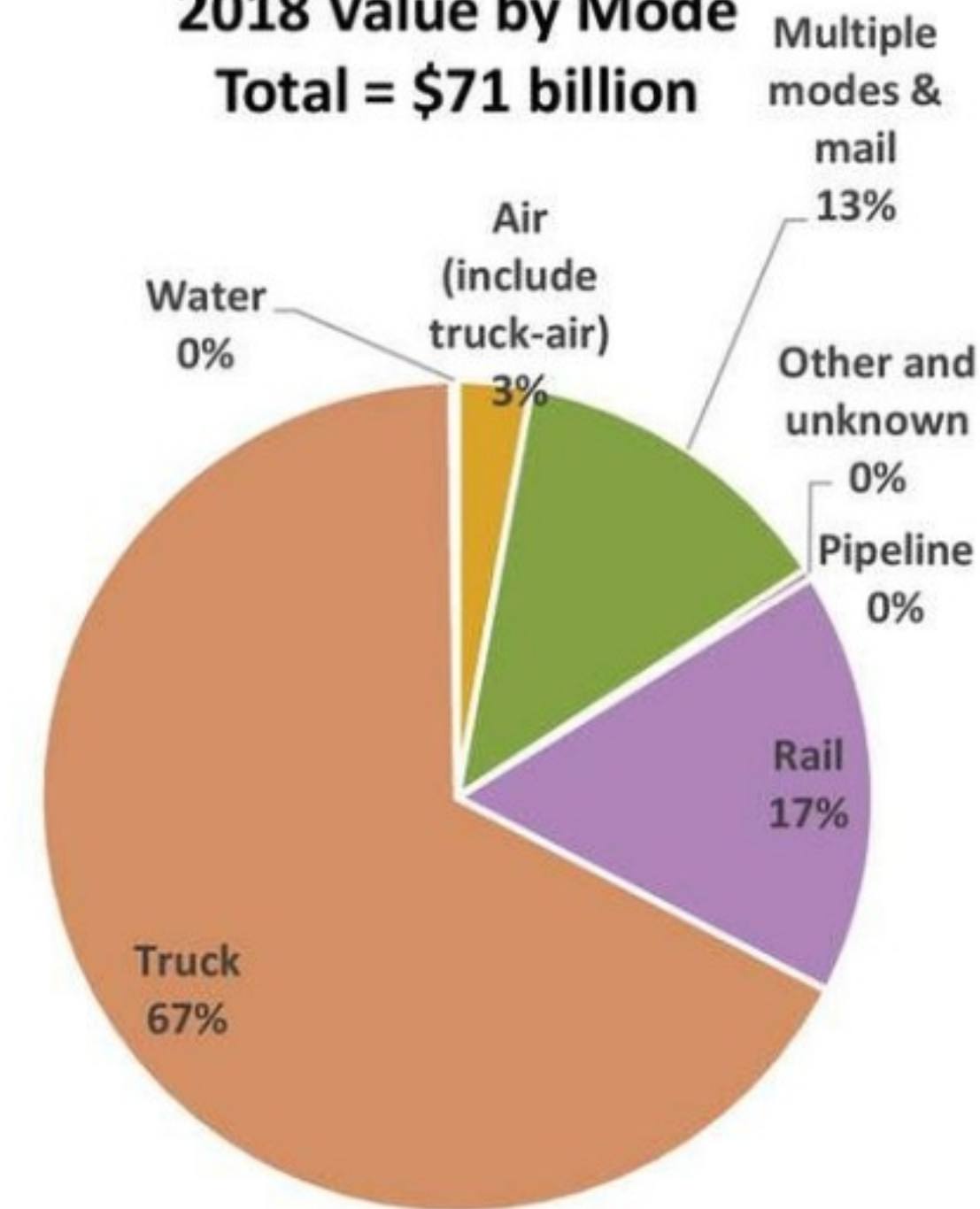


By 2045:
\$135 billion,
90% increase

2018 Tons by Mode
Total = 47 Million Tons

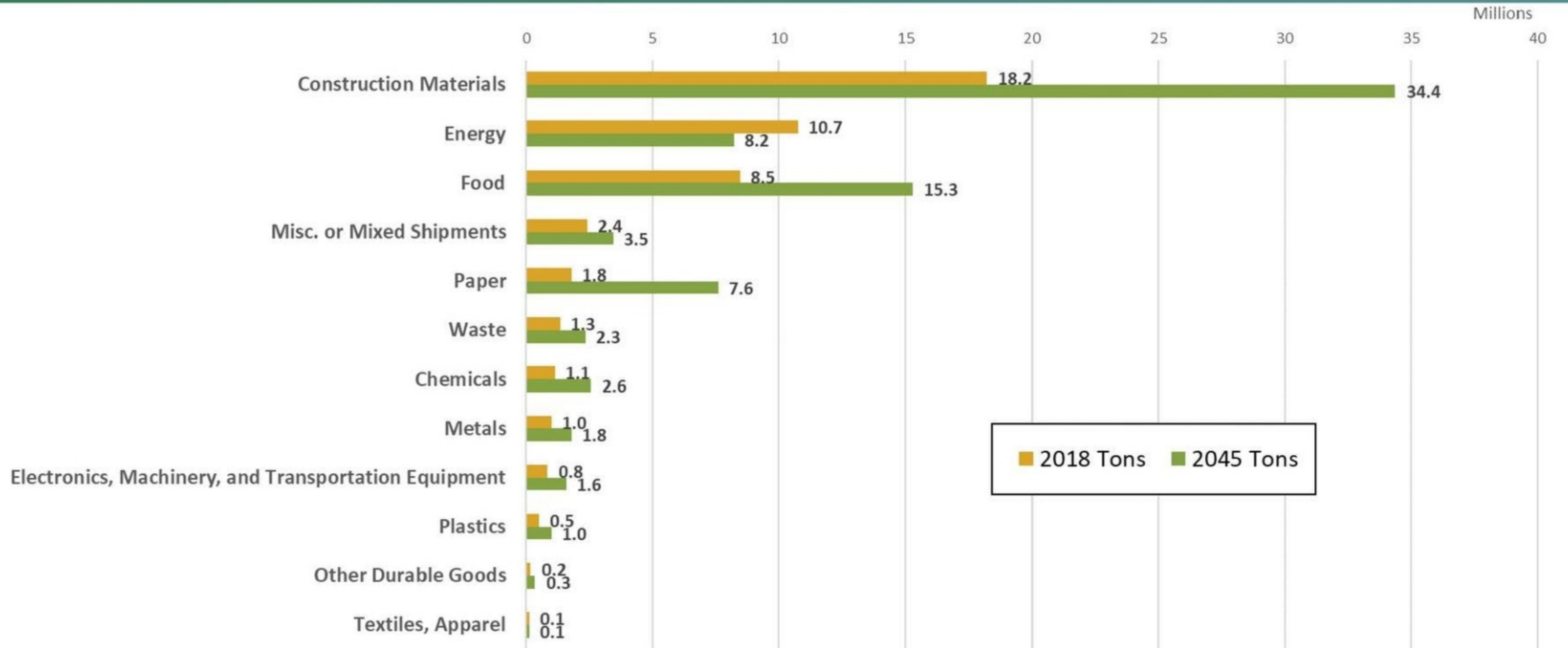


2018 Value by Mode
Total = \$71 billion



Source: Freight Analysis Framework v4

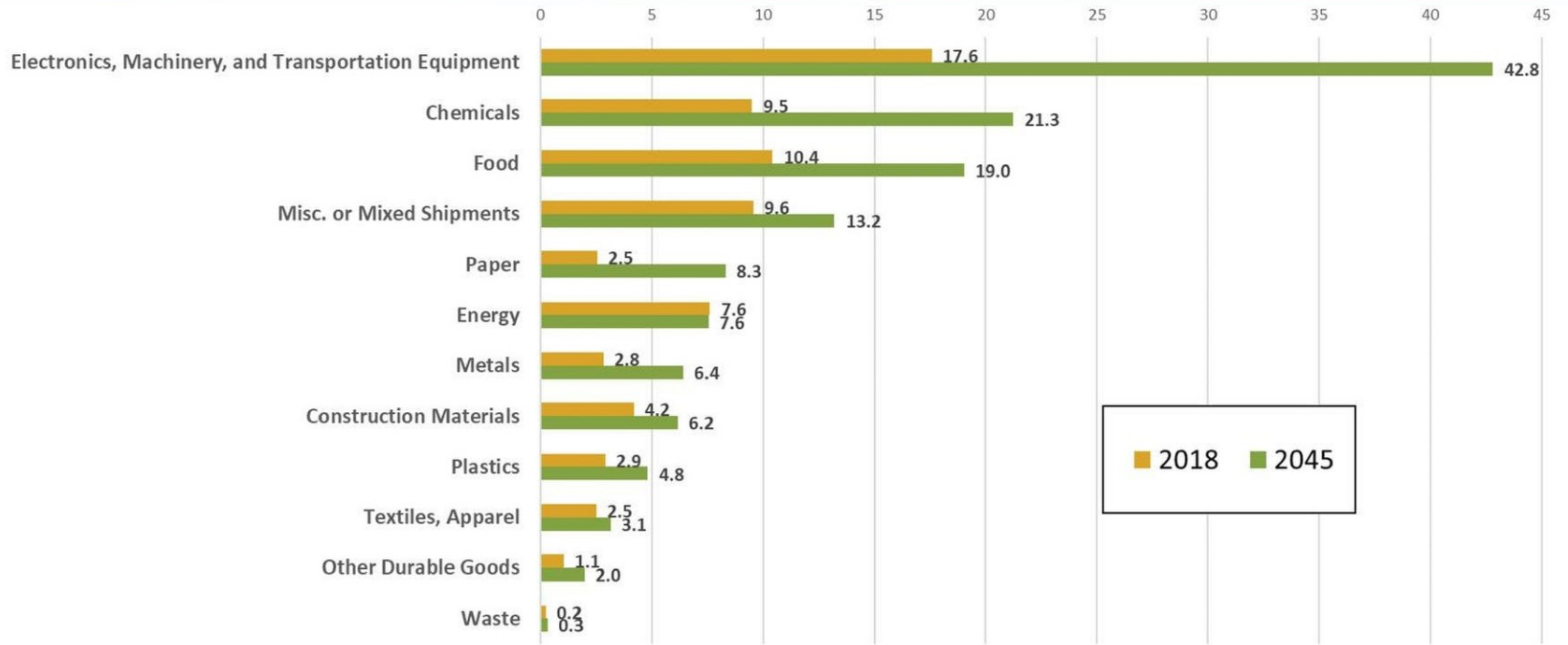
Freight Commodities by Weight (Tons)



Source: USDOT Freight Analysis Framework v4, STB Waybill, analysis by Cambridge Systematics, 2020

Freight Commodities by Value

(Billions of 2018 Dollars)

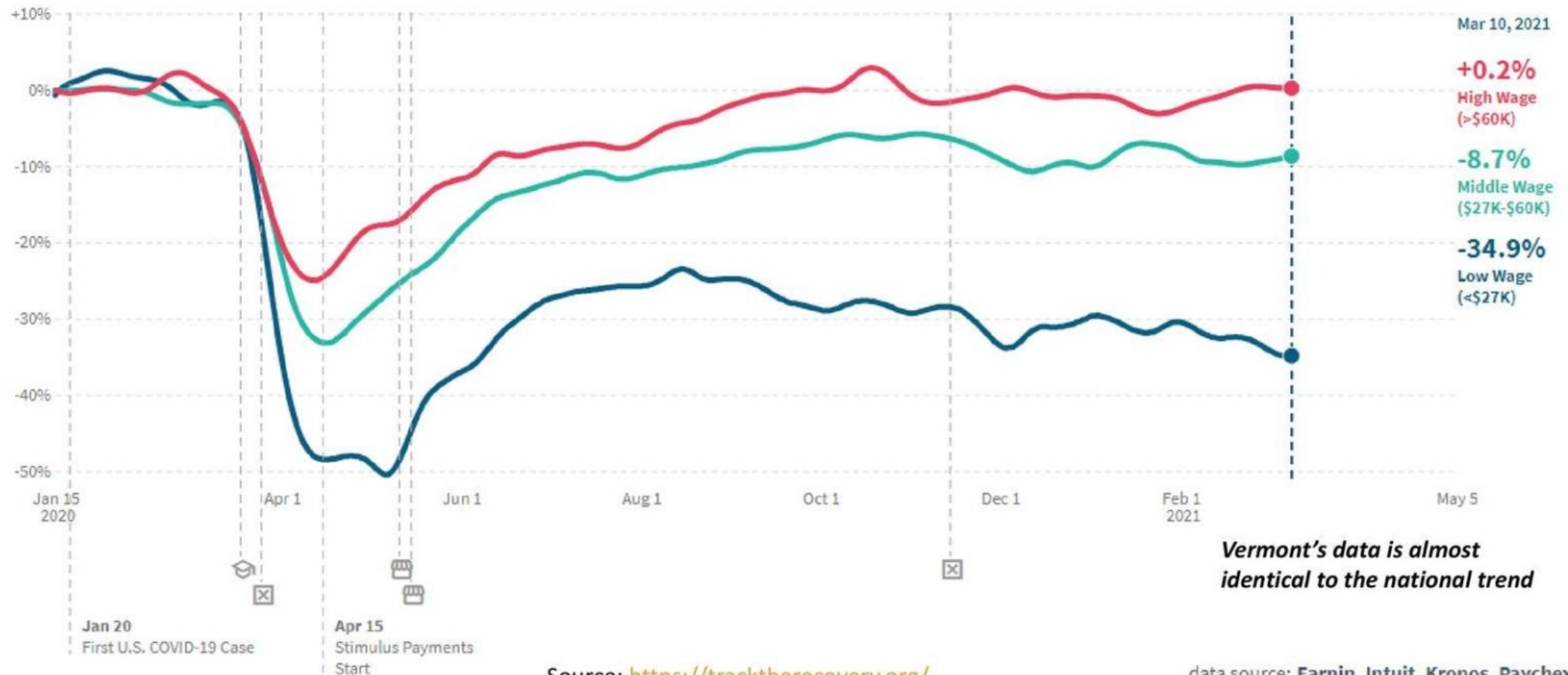


Source: USDOT Freight Analysis Framework v4, STB Waybill, analysis by Cambridge Systematics, 2020

Economic Recovery from Pandemic



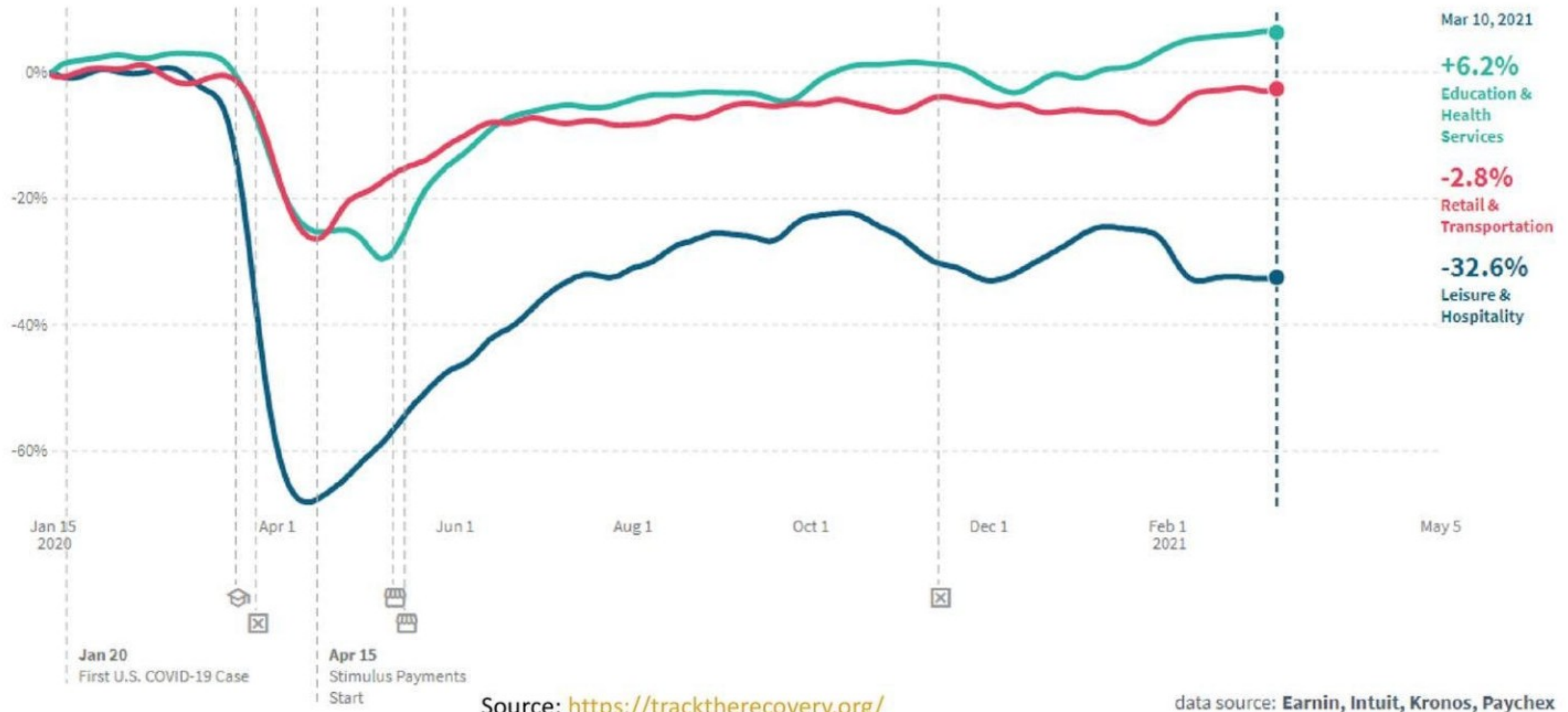
Percent Change in Vermont Employment by Wage Cohort, January 15, 2020 through March 10, 2021



Pandemic Recovery: Key Sectors



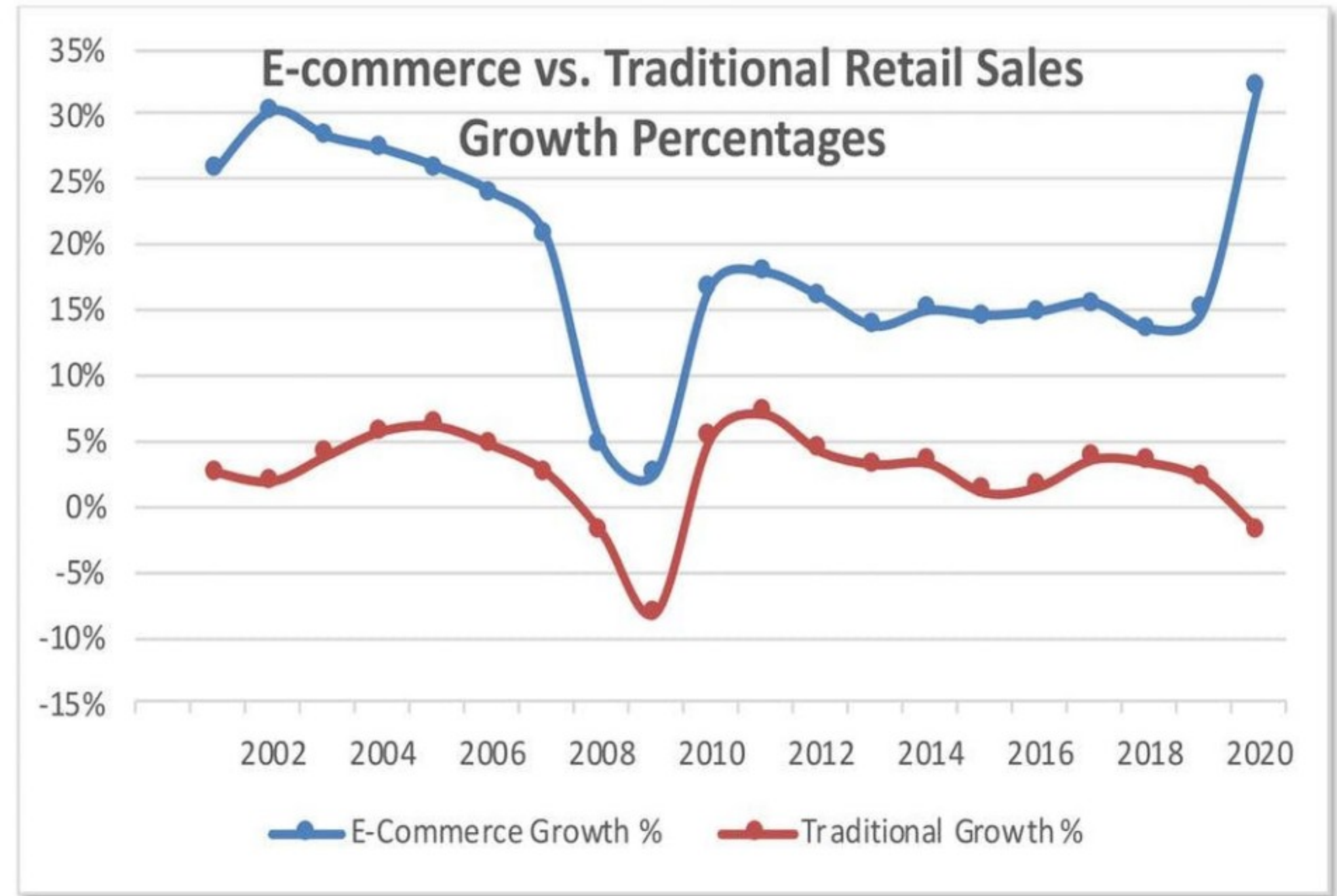
Percent Change in Vermont Employment by Industry Sector, January 15, 2020 through March 10, 2021



Other Pandemic Effects

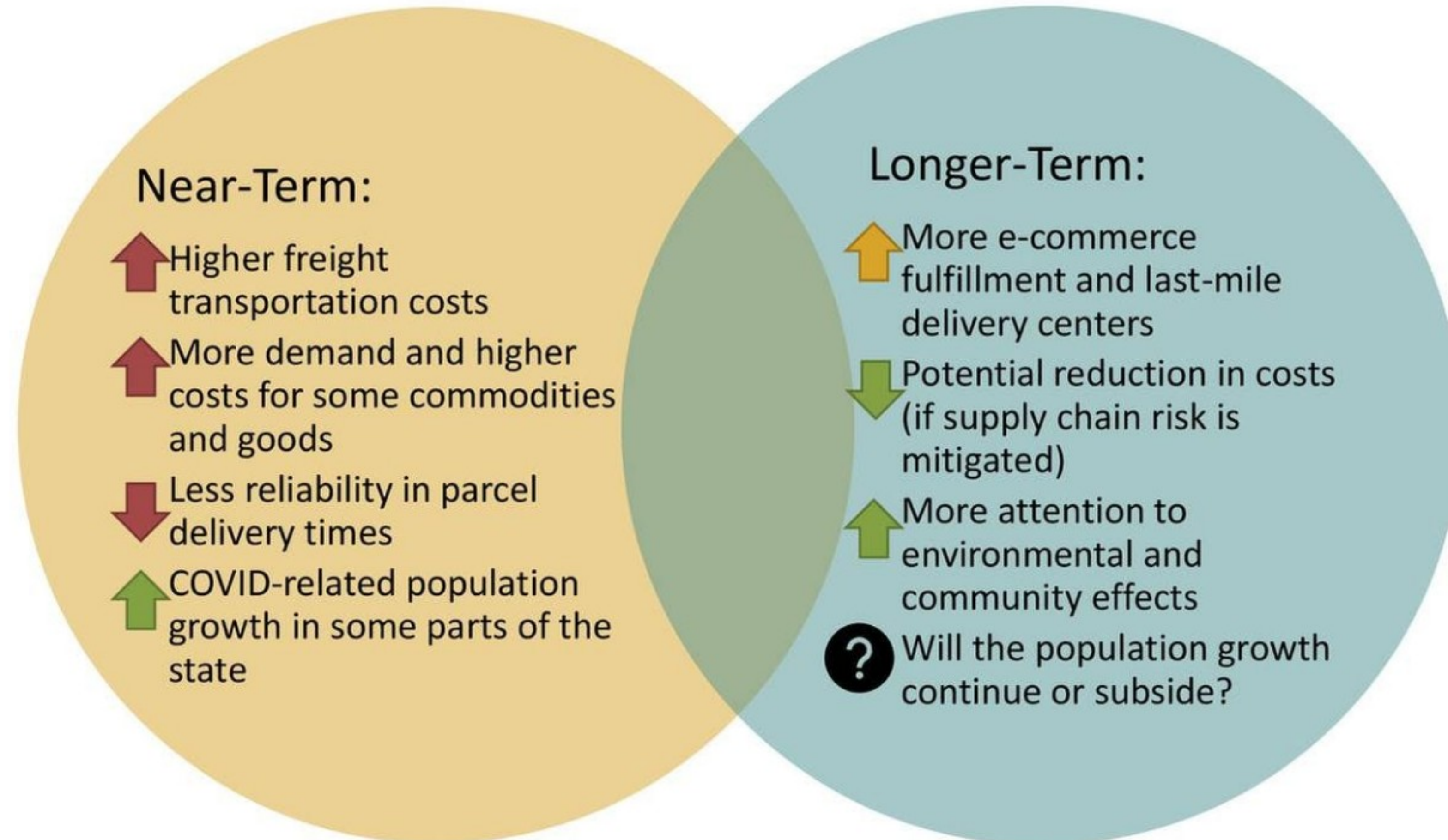


- Freight traffic is up!
- E-Commerce soaring
- Stress on consumer product supply chains and parcel delivery

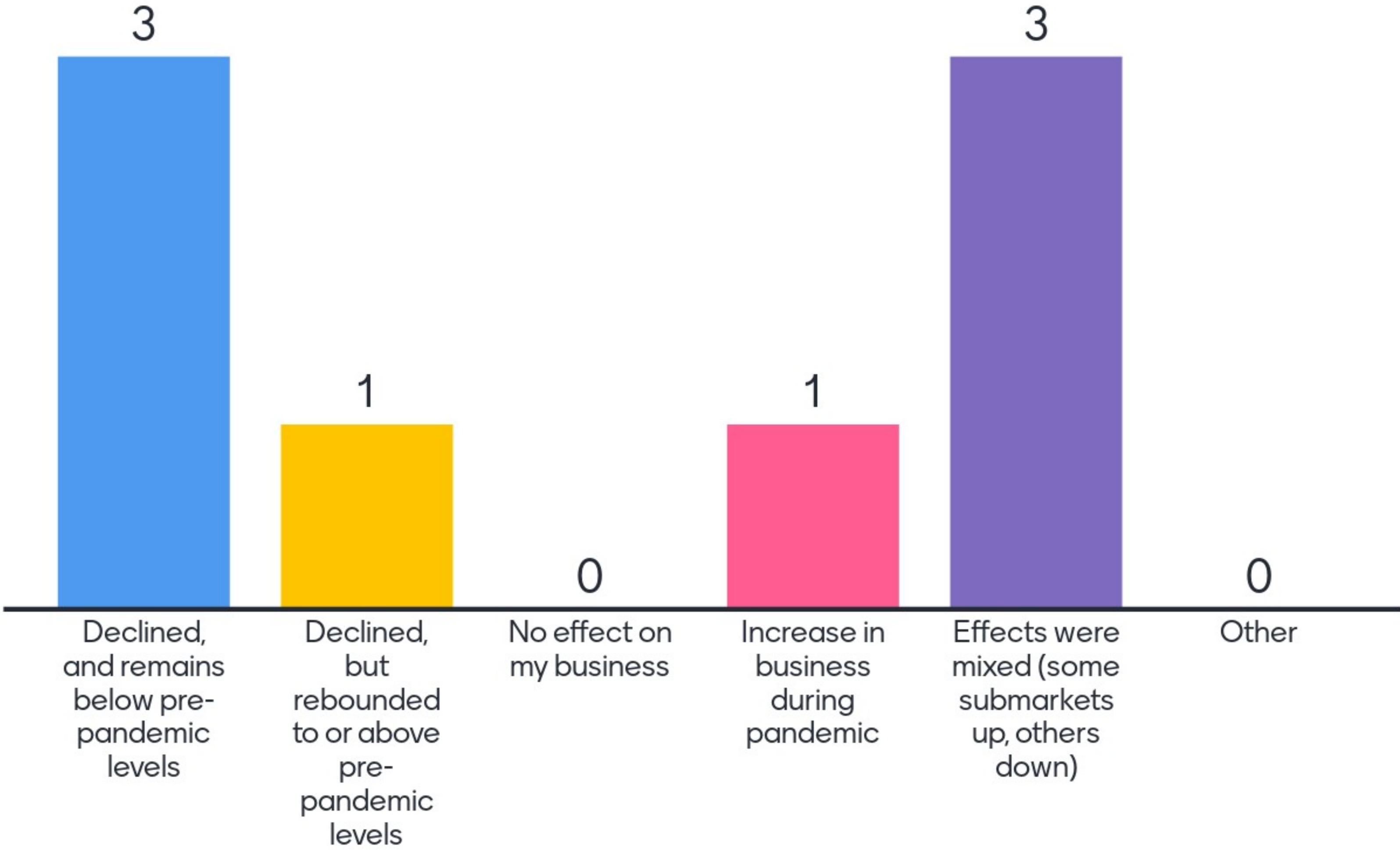


Source: U.S. Census Bureau

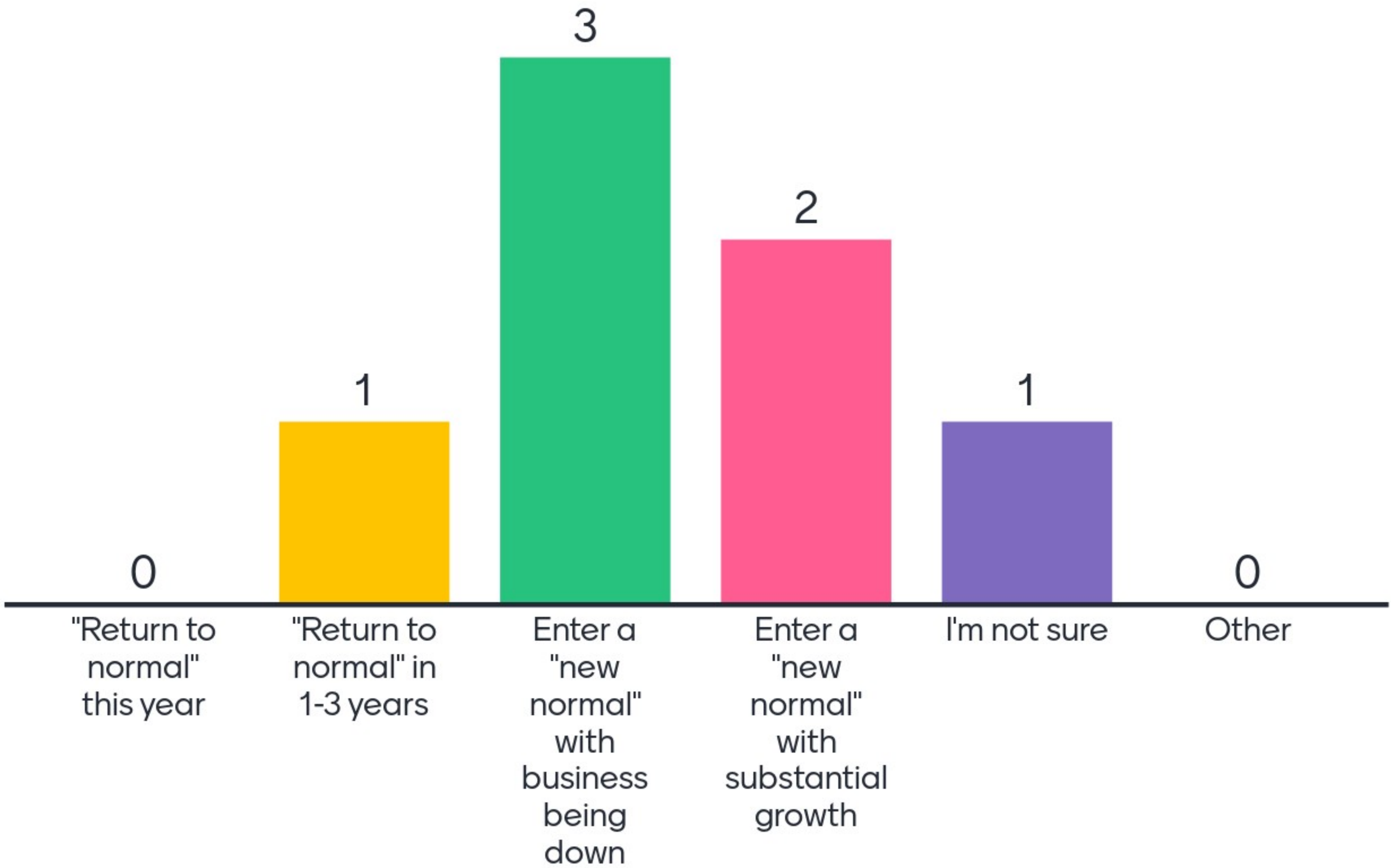
What does this mean for Vermont?



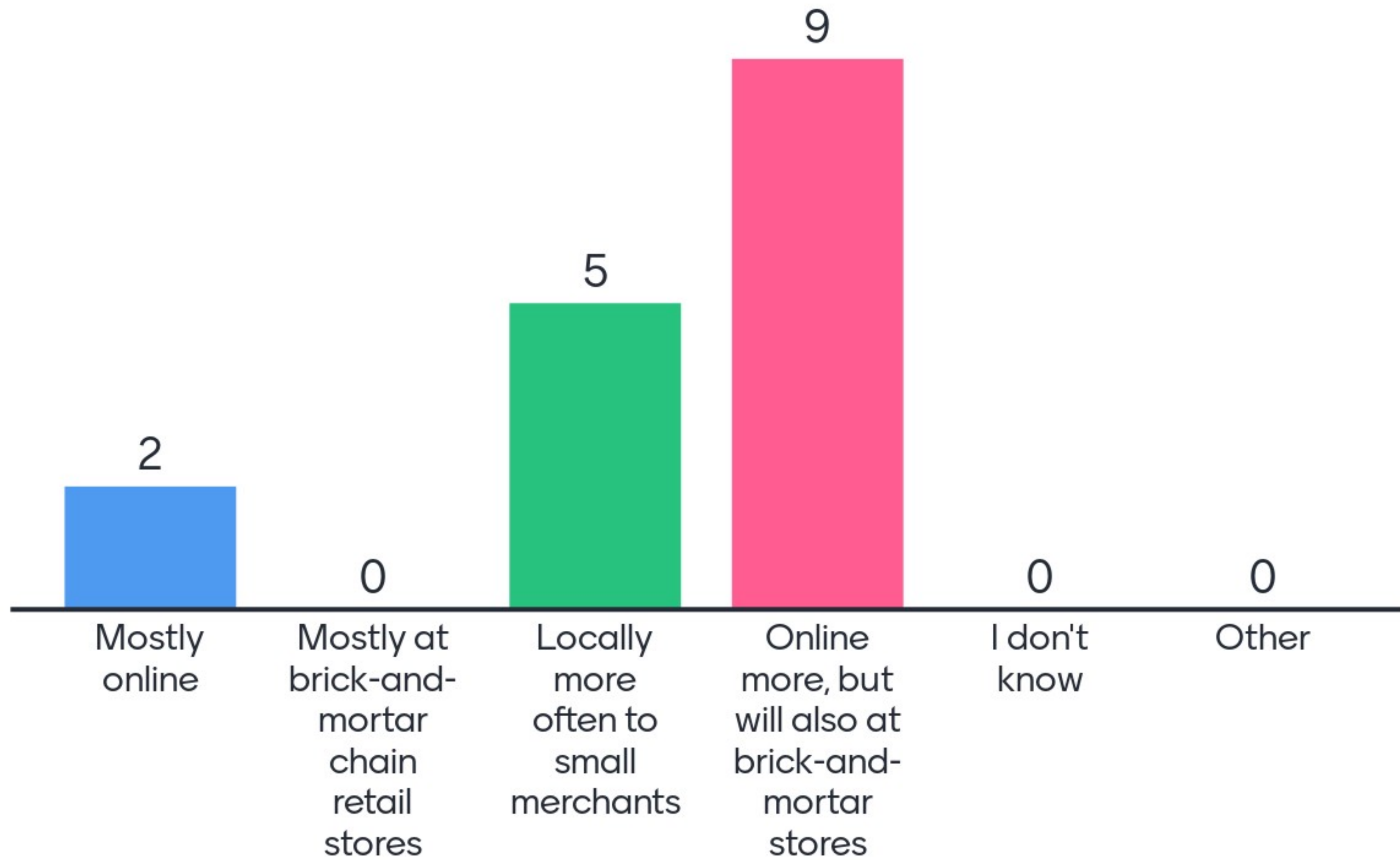
How has the COVID-19 pandemic affected your *business*?



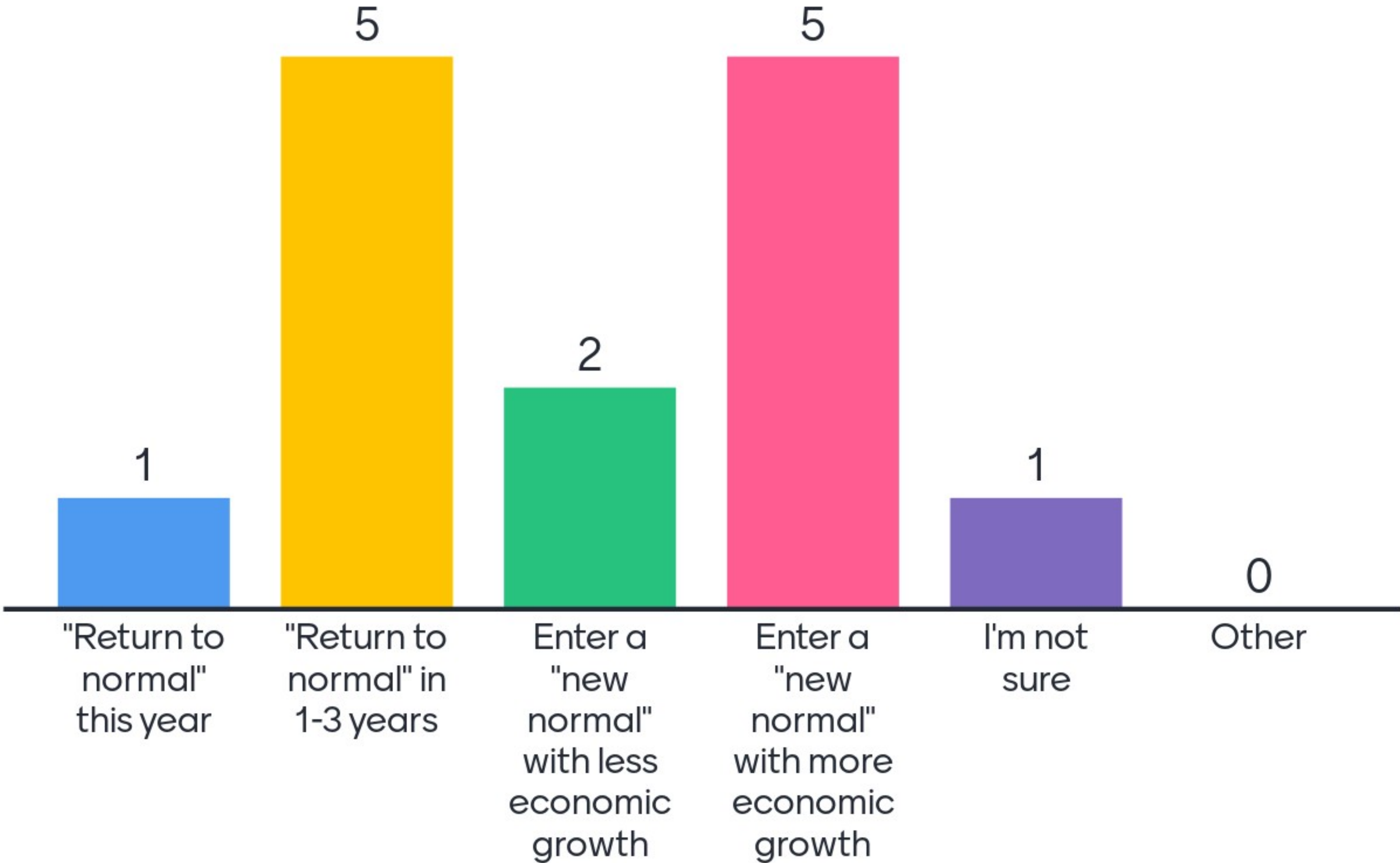
What is your outlook for your *business*? I think my *business* will...



One year from now, how do you expect to *shop for household consumer goods*?



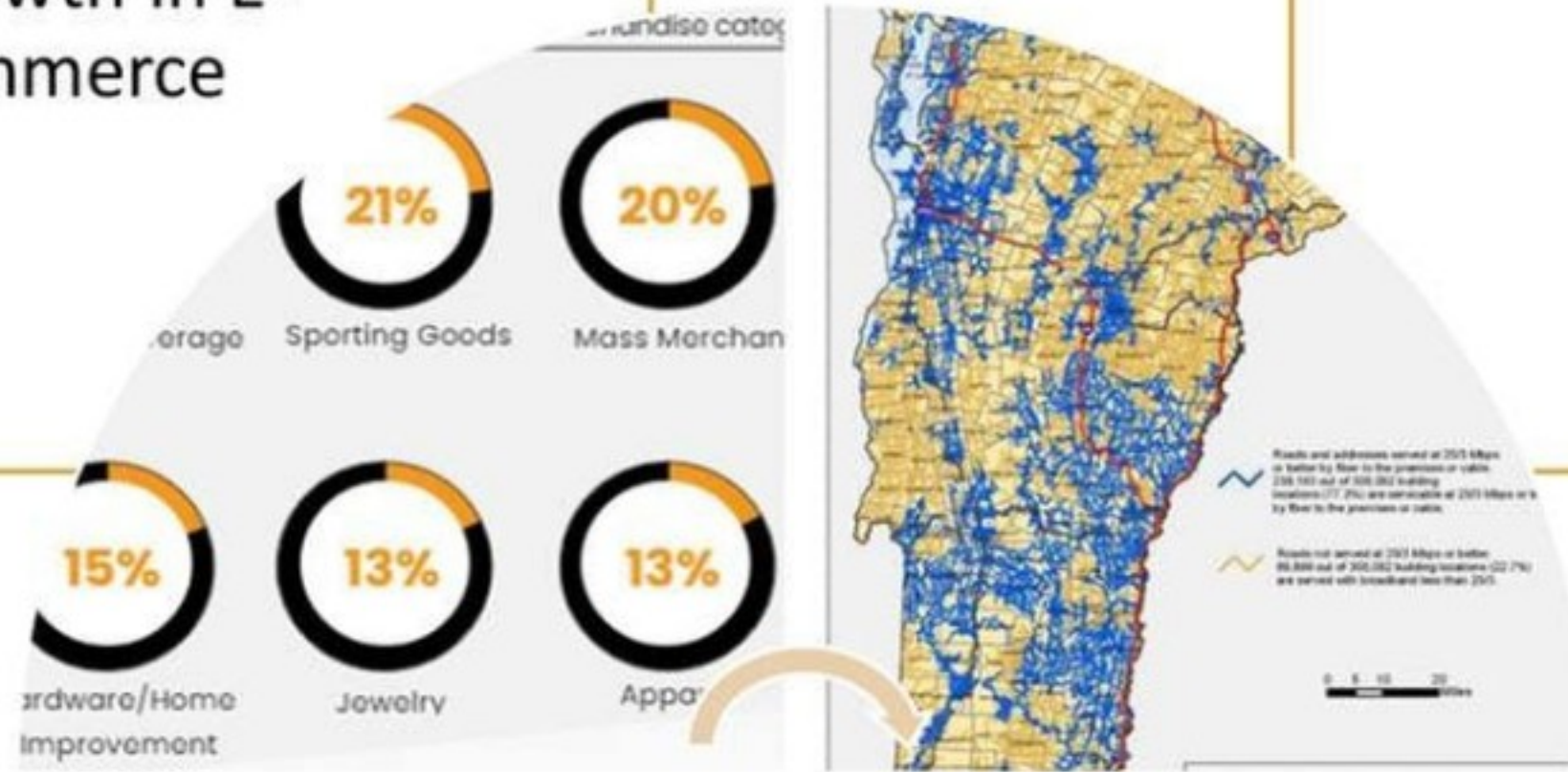
What is your outlook on the *economy in general*?



Other Key Freight Trends



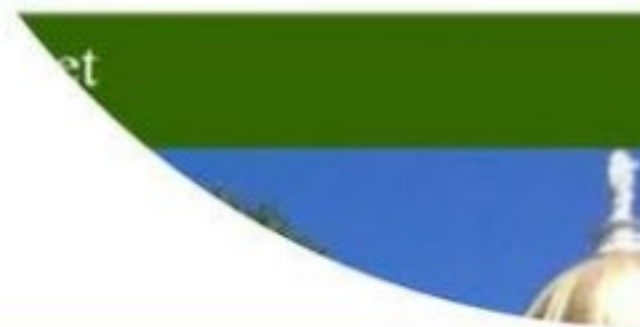
- Growth in E-commerce



- Expansion of broadband and economic development opportunity

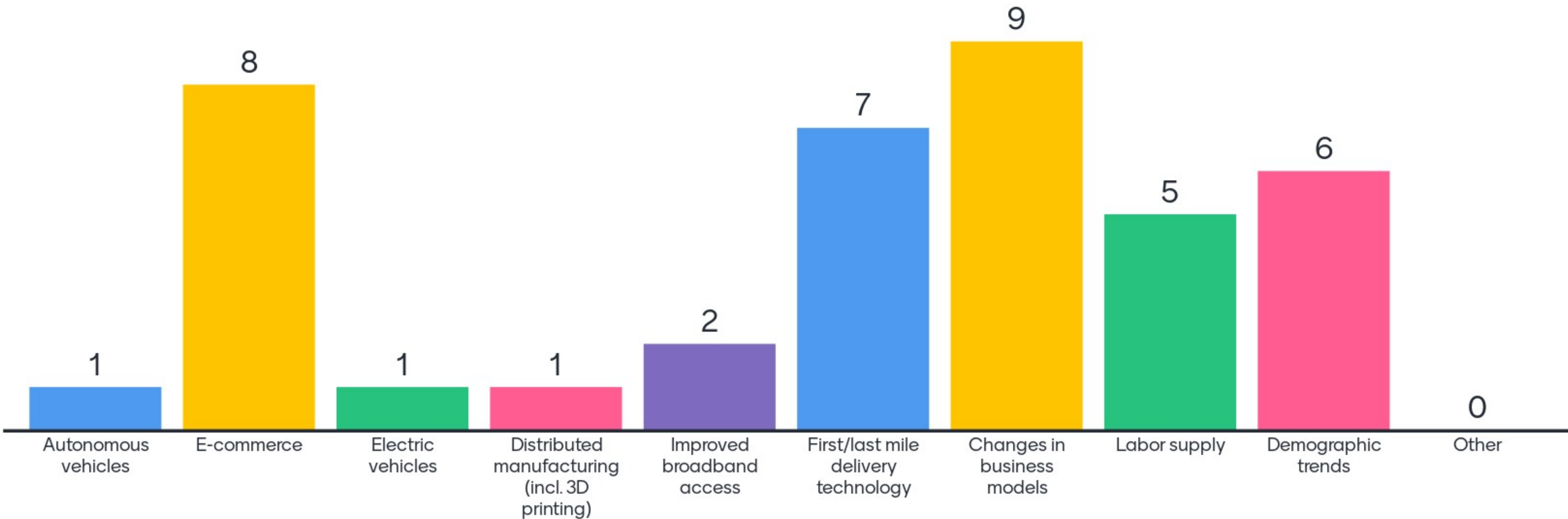
VERMONT ZERO EMISSION VEHICLE ACTION

- Alternative fuels /zero-emission vehicles
- Transportation funding



- Labor supply and Autonomous vehicle technology

What changes will most affect freight in Vermont over the next 10 years? (select up to 3)



What does Vermont's freight system do well?

Connect Vermont to the national and international markets.

Vermont has done a good job of keeping all modes viable throughout public investments and public private partnerships.

given small demands of small population relative to national trends, freight providers do a great job!

Important route between Canada and US

Moving freight efficiently and safely

public private partnerships with Rail

Rail keeps bigger heavier trucks off our roads and our downtowns

Vermont rail system is a customer responsive business and has been successful at moving freight from truck to rail

Allow traffic to come through

Freight Needs and Issues



What ideas do you have to improve freight transportation in Vermont?

Insure that Vermont railroads have access to regional markets and directly connect with all the class 1 systems

Work to have the railroad more community involved and active so it is easier and more attractive to use more rail

Increased inter module to offer service to the "last mile"

Address congestion hot spots on our highways as well as locations with safety issues.

land use and economic policy improvements to accommodate "vermont sized" distribution warehouses/distribution centers etc.

Reduce red tape (permits) so new businesses can locate in VT. Or existing companies can expand. More businesses can then share in freight infrastructure costs

Vermont Automated Vehicle Testing

Expand rail access on all active lines.

You he railroads must be able to handle 286 capacity.



What ideas do you have to improve freight transportation in Vermont?

Continue to develop regional relationships and coordinated initiatives.

Prioritize freight complementary land uses along rail lines

Online Map Tool


- Includes freight system geodata
- Allows visitors to report issues or share ideas
- Collected lots of feedback for the Rail Plan update and remains open for the Freight Plan Update

VERMONT AGENCY OF TRANSPORTATION About

Update of the Vermont Freight Plan

[Add New Idea / Issue](#) [Initiatives List](#) [View Comments](#)



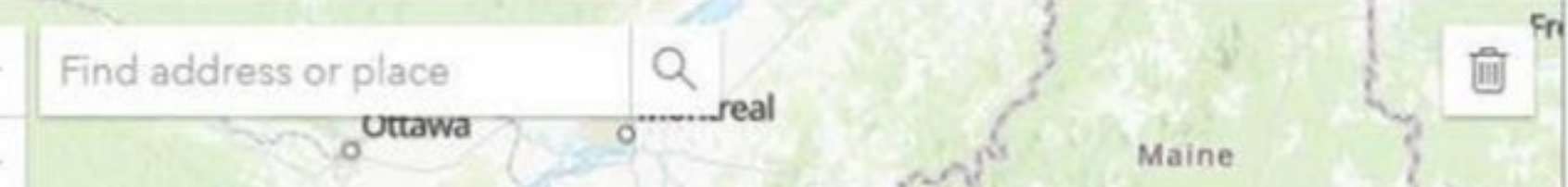
Freight and Rail Update Survey

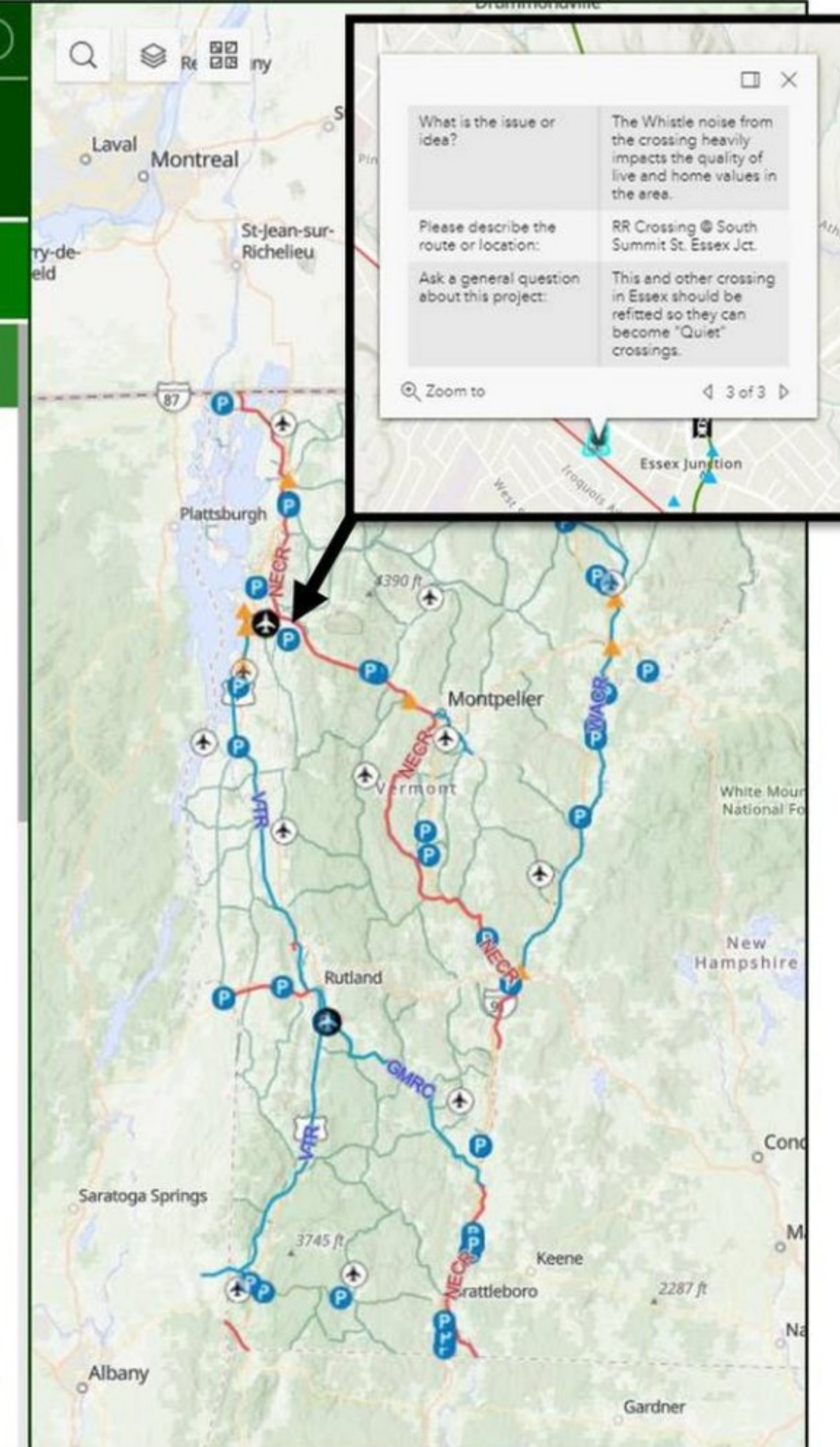
Share your feedback!
See existing conditions using the layers button  on the top left of the map. Add a note, including the location, and drop a pin on the map below (optional). You may also upload a photo to illustrate your input. If you have a general comment or question about the planning process, scroll down.

What is the issue or idea?
(e.g. an issue with a section of rail line or rail crossing, road segment, bridge or intersection, or a more general freight issue such as on-time delivery, ability to obtain inputs to production, or challenges shipping your products)

Is this a location specific issue? Please describe the route or location:
(e.g. a rail facility, congestion on a section of highway, an or an intermodal/transload site)

Mark it on the map:

 Find address or place  

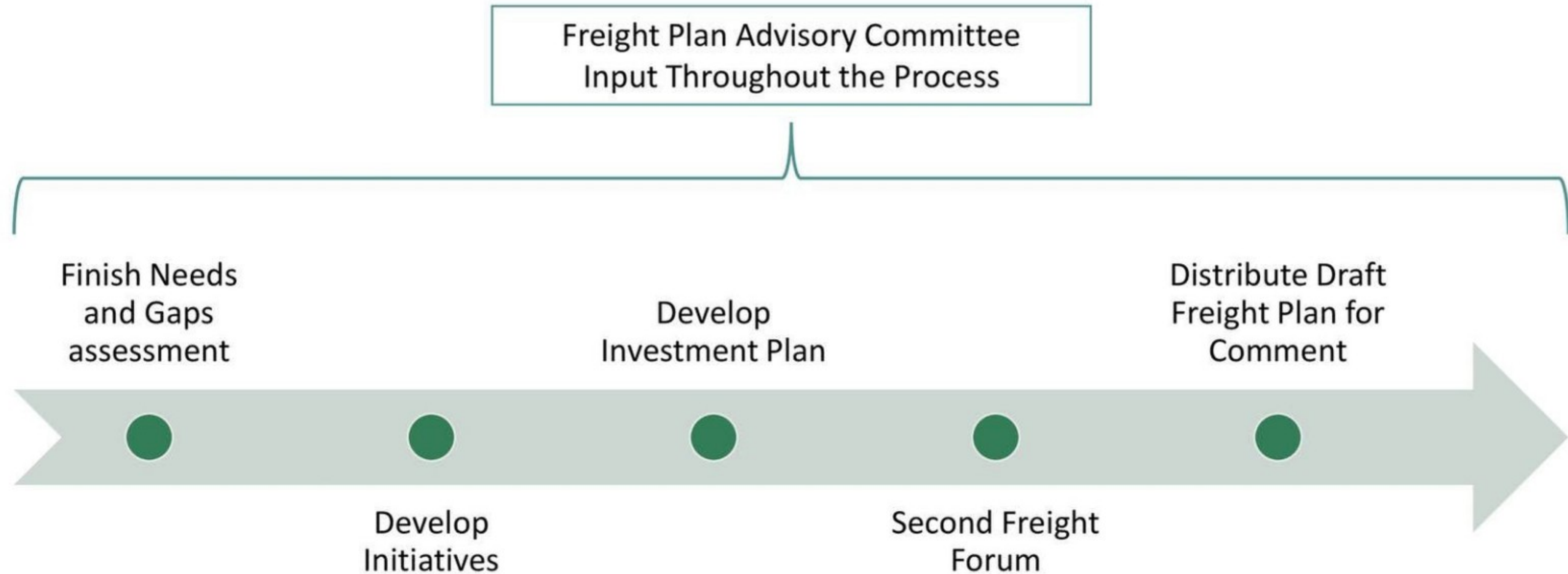


The callout box contains the following text:

What is the issue or idea?	The Whistle noise from the crossing heavily impacts the quality of live and home values in the area.
Please describe the route or location:	RR Crossing @ South Summit St. Essex Jct.
Ask a general question about this project:	This and other crossing in Essex should be refitted so they can become "Quiet" crossings.

Zoom to 3 of 3

Next Steps



Thank You

For more information on the Vermont Freight Plan Update, visit vtrans.vermont.gov/planning/freight or contact Dave Pelletier at Dave.Pelletier@vermont.gov or (802) 595-9675.

For more information on the Vermont Rail Plan Update, visit vtrans.vermont.gov/rail/reports or contact Zoe Neaderland at Zoe.Neaderland@vermont.gov or (802) 793-2778.