



Messaging the Value of Transit

VTA Conference - Harrisonburg, VA - May 2024

Ann McGrane Senior Program Manager

Sophie Spiliotopoulos Senior Program Analyst

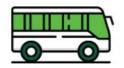
Northern Virginia Transportation Commission



Who We Are and What We Do



Fund and provide oversight/stewardship of WMATA (Metro) and co-owners of Virginia Railway Express



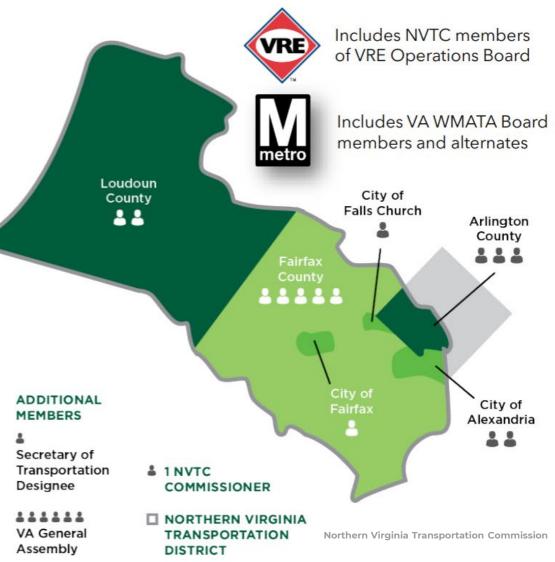
Manage state and regional funding for six local bus systems

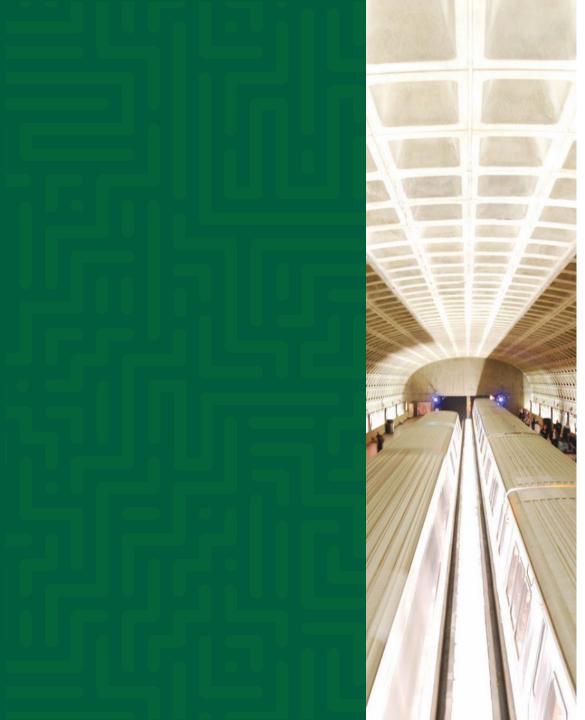


Administer the Commuter Choice Program (using tolls from I-66 inside the Beltway and I-395/I-95)



Work across jurisdictional boundaries to enhance transit service, coordinate policies and share research





ANNIVERSING

Agenda

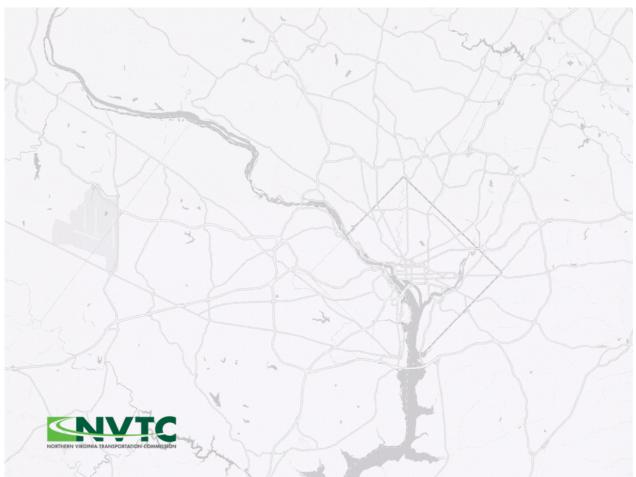
- What is the Value of Transit study?
- How did we message the results? What were the tools?
- How can your region or city do something similar?
- What does success look like?

What is the Value of Transit study?



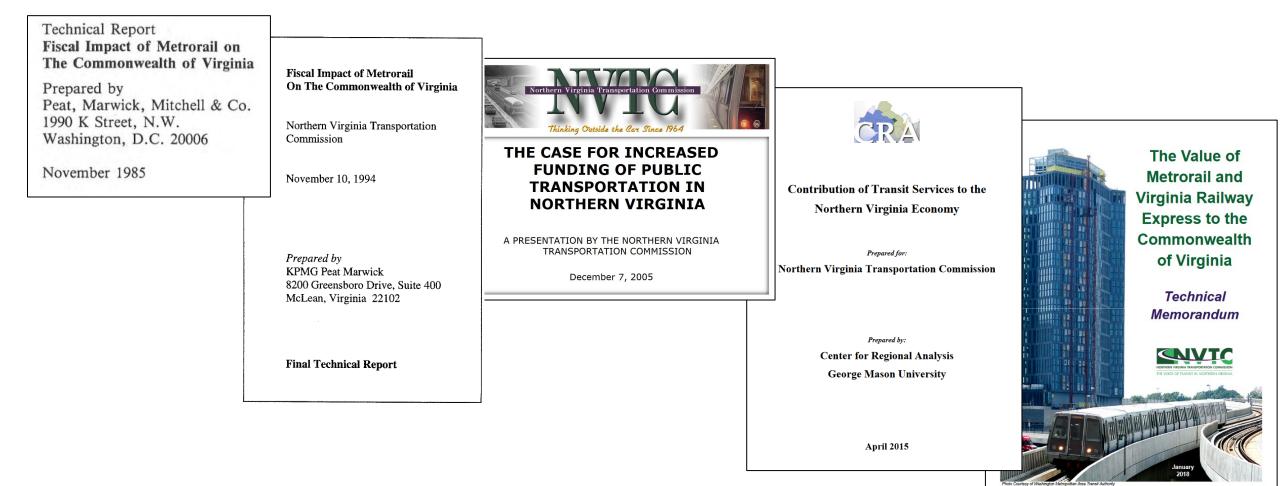
Why Study the Value of Transit?

- For over 50 years, the existence of high-quality, reliable transit has shaped development patterns in Northern Virginia
- The transit network supports the region's quality of life, economic competitiveness, and ability to get around the metro area
- Quantifying transit's impact on income and sales tax revenue helps demonstrate the system's importance to the entire Commonwealth





Study Builds Off Previous Work



Reports available at: https://novatransit.org/resources/completed-studies-archive/



What's the Purpose? Who's the Audience?

Purpose: Advocate for increased funding for transit



What Did We Find?

Northern Virginia's transit network generates **\$1.5 billion* in income and sales tax revenue** to the Commonwealth

* (2021 dollars), 2025 analysis year

Value of Northern Virginia Transit to the Commonwealth Indirect & Induced Impacts Total Revenue from State Income and Sales Tax (\$ 2021) \$693M **<u>NYTC</u>** \$1.5B⁻ **Direct Impacts** \$828M **Direct Impacts** \$600M 2018 2025

(Created May 2023)





Why Is Funding Transit Important?

- The **\$1.5 billion in revenue** that transit brings to the Commonwealth equals about **5% of Virginia's general fund** revenue. This money helps fund programs and services for people across Virginia.
- The Commonwealth has a **160% return on investment** for transit in Northern Virginia. For every \$1 spent, it receives the original dollar back plus an additional \$1.60 in return.
- Northern Virginians using transit removes congestion from I-95 and I-66, improving the reliability of travel for both people and freight across Virginia and along the East Coast.



Traffic Impacts

Without NoVa transit, there would be an extra 278,000 trips a day.



Without transit...

more people must drive to more places, leading to:

- 278,000 new vehicle trips per day
- 1.8 million more miles traveled by car during a typical day's commute
- 209,000 additional hours stuck in traffic for commuters each day (a 64% increase in delay due to congestion)

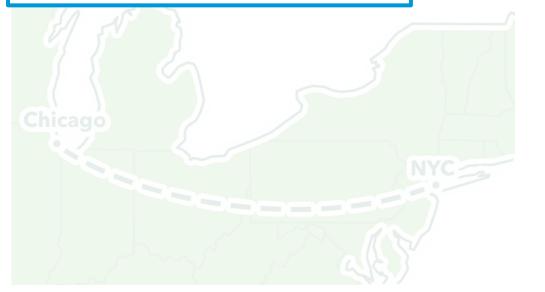


Traffic Impacts

Without NoVa transit, there would be an extra 278,000 trips a day.

A line of these cars would

These are key stats, but they are so big that they're hard to grasp.



Without transit...

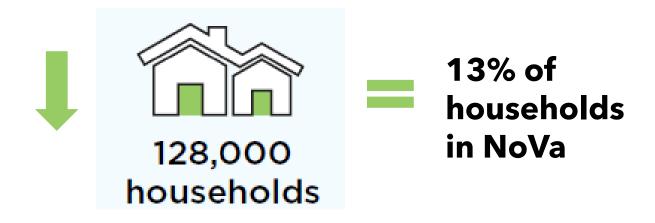
more people must drive to more places, leading to:

- 278,000 new vehicle trips per day
- 1.8 million more miles traveled by car during a typical day's commute
- 209,000 additional hours stuck in traffic for commuters each day (a 64% increase in delay due to congestion)



Household Impacts

If transit did not exist, the existing road network could not support 128,000 existing households.



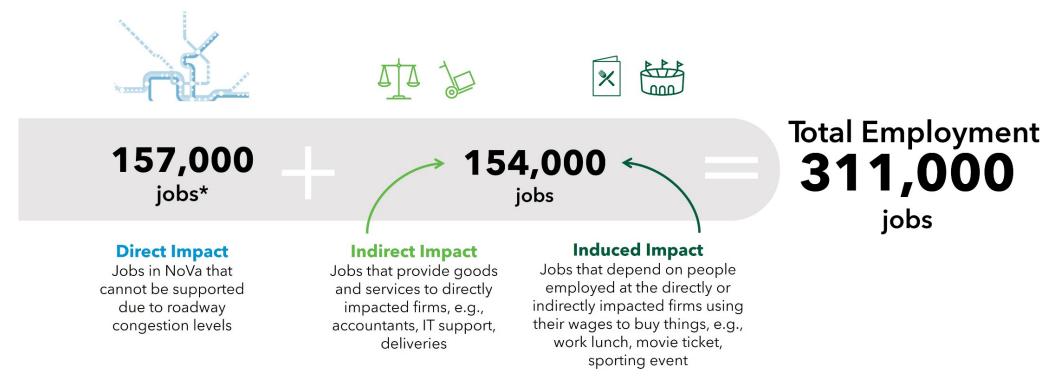


Employment Impacts

Value of Northern Virginia Transit to the Commonwealth



Calculating Total Employment Supported by Northern Virginia Transit



How did we message the results? What were the tools?

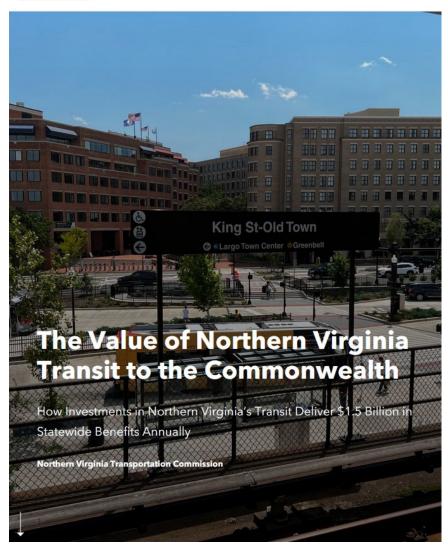
Telling the Story Interactive Reports and Static Graphics

- Blend the data and narrative with ArcGIS StoryMaps
 - Allows a user to take their time and explore a lot of information
- Enhance the story using new maps and graphics
 - More complex technical data works best with interactive maps





The Value of Northern Virginia Transit to the Commonwealth







- ArcGIS Pro
- ArcGIS StoryMaps
- Adobe Stock
- Greenhouse Gas Equivalencies Calculator (EPA)

The Benefits

- Available with any Esri foundational user type
- Compatibility with phones, tablets and computers
- Visualization leads to more memorable and impactful messaging



What are ArcGIS StoryMaps?

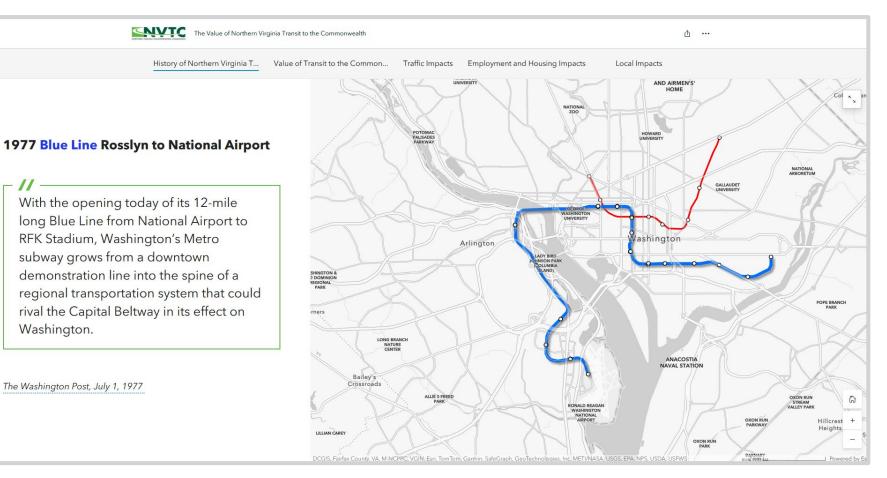




Providing Context

Washington.

We paired quotes from news articles with an interactive map showing the buildout of Metrorail in Virginia

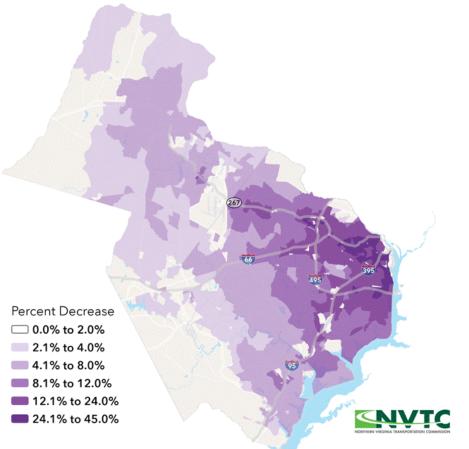




Providing Context

GIFs can add a layer of understanding while also drawing the audience in with a bit of animation

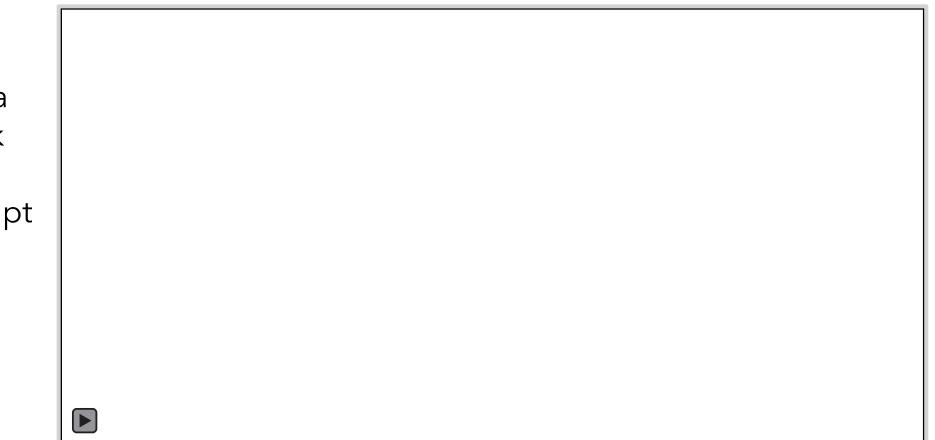
Value of Northern Virginia Transit to the Commonwealth Household Loss if Transit Does Not Exist





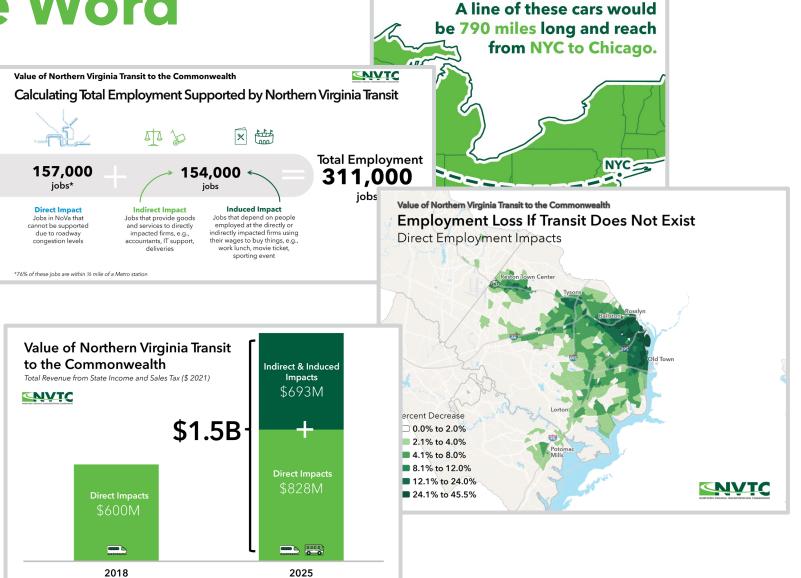
A Deeper Dive

The Pentagon is a familiar landmark and the perfect example to prompt the audience's curiosity



Spreading the Word

Consistent graphics in social media and presentations pull in the audience



Without NoVa transit, there would be an extra 278,000 trips a day.

ره2-464



Spreading the Word

- Our Communications Team created a paid YouTube advertisement to publicize results
- We had over **2,000** views and added **399** subscribers to our YouTube channel
- Example of a relatively small amount of money generating good returns

Did you know?

Northern Virginia's transit network generates \$1.5 billion in annual revenue for the Commonwealth.

 NORTHEEN VIRGINIA TRANSPORTATION COMMISSION

 Image: Imag

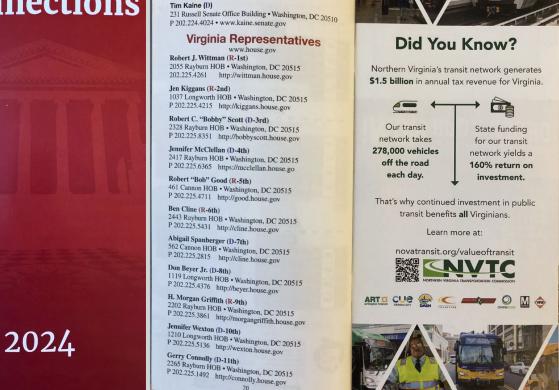




Spreading the Word

- Ensure the appropriate audiences are targeted for the messaging
- An ad page in the Virginia Capitol Connections Redbook targeted legislators and others in Richmond

virginia Capitol Connections



Virginia Senators

www.senate.gov

703 Hart Senate Office Building • Washington, DC 20510 P 202.224.2023 • www.warner.senate.gov

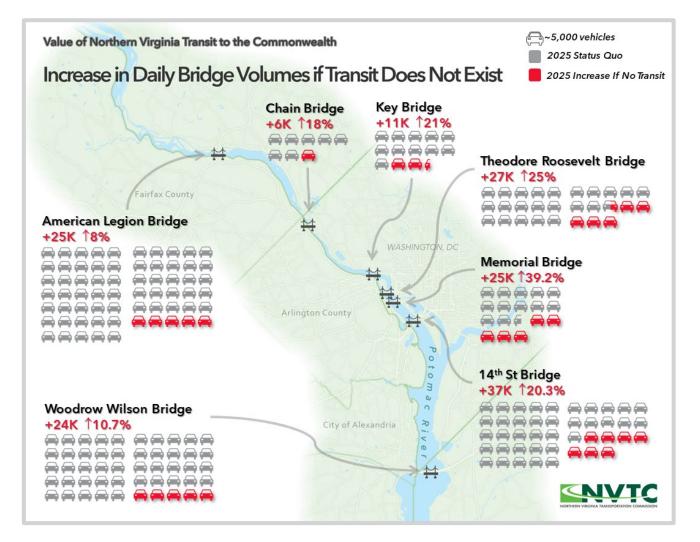
Mark R. Warner (D)

Virginia Capitol Connections Redbook includes contact information for Virginia Senators, Representatives, US Congress members, and the Governor's offices.



Lesson Learned

- Graphics can be overly complicated, too!
- Do not assume that people are familiar with the system – something you find intuitive might not be to others
- It's an iterative process



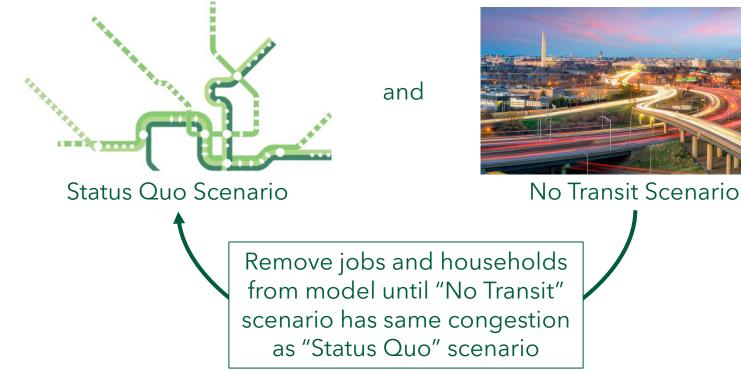
How can you do something similar?



Methodology - Travel Modeling

Analysis Year: 2025







Methodology - Economic Analysis

The economic analysis drew upon travel model outputs (vehicle miles traveled and vehicle hours of delay) to estimate the impacts that would occur without Northern Virginia's transit network:

User and Environmental Costs

- Additional travel time costs, vehicle operating costs, crash costs
- Source: U.S. Department of Transportation (USDOT) 2023 Benefit-Cost Analysis Guidance for Discretionary Grant Programs

Economic Impacts

- Reductions in total employment and earnings
- Source: Bureau of Economic Analysis (BEA) Regional Input-Output Modelling System (RIMS II) multipliers

Fiscal Impacts

- Reductions in income and sales tax revenue to Virginia
- Source: Virginia Tax Annual Report, Bureau of Labor Statistics



Methodology - Economic Analysis

NVTC's messaging focused on the economic and fiscal impacts, as our main audience was legislators in Richmond.

Because congestion in our region is so bad, there's a large impact on housing and employment, and thus state tax revenue, in a "No Transit" scenario.

occur without Northern Virginia's transit network. **Fiscal Impacts Economic Impacts** • Reductions in income and Reductions in total employment and earnings sales tax revenue to Virginia • Source: Bureau of Economic • Source: Virginia Tax Annual Analysis (BEA) Regional Report, Bureau of Labor Input-Output Modelling **Statistics** System (RIMS II) multipliers ary



Methodology - Economic Analysis

The economic analysis drew upon travel model outputs (vehicle miles traveled and vehicle hours of delay) to estimate the impacts that would occur without Northern Virginia's transit network:

User and Environmental Costs

- Additional travel time costs, vehicle operating costs, crash costs
- Source: U.S. Department of Transportation (USDOT) 2023 Benefit-Cost Analysis Guidance for Discretionary Grant Programs

Economic Impacts

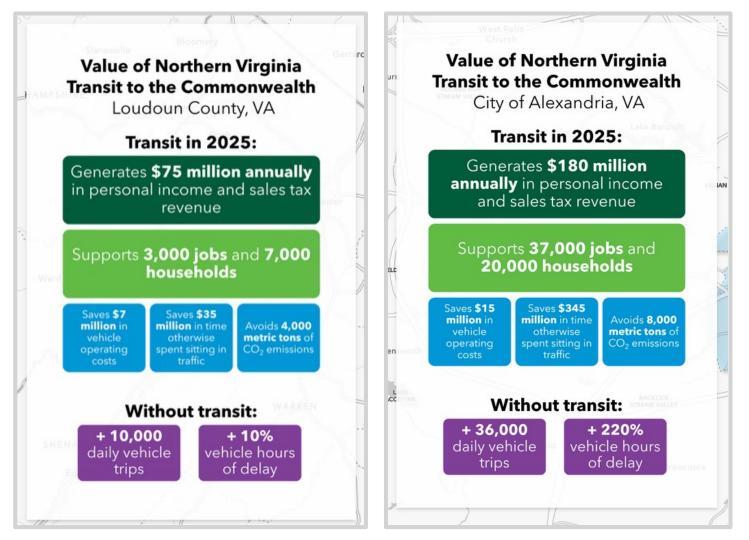
 Reductions in to employment and
 Source: Bureau of Analysis (BEA) R Input-Output Mo System (RIMS II)

However, regardless of congestion levels, metrics from a benefit-cost analysis can provide statistics on local and regional user and environmental costs that would occur in a "No Transit" scenario.



Local Impacts

- Level of impact varies considerably across Northern Virginia
- Even when there is not a huge impact to jobs for one jurisdiction, there are still many local quality of life measures that transit supports



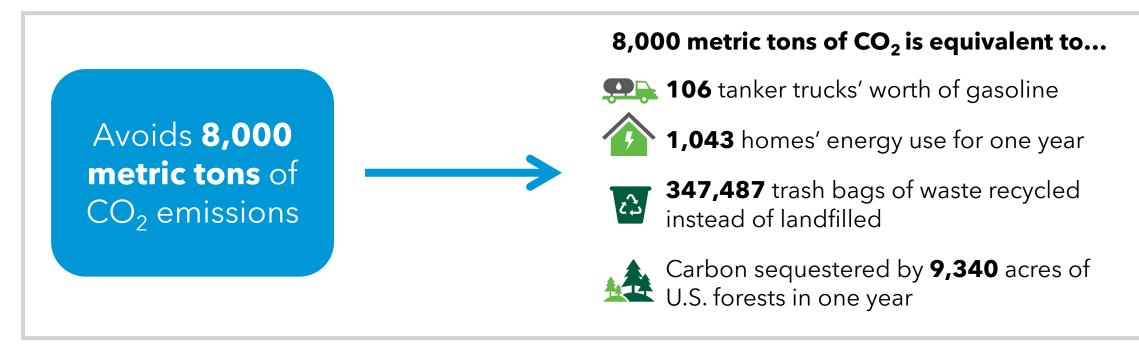


Local Impacts

What does a metric ton even look like?

What does a metric ton of a gas look like?

How do you comprehend 8,000 metric tons of emissions?



What does success look like?



What Does Success Look Like?

Success is seeing your results shared by stakeholders that you identified as key audiences





Audience: State elected officials

2024 SESSION

ENROLLED

SENATE JOINT RESOLUTION NO. 28

Establishing a joint subcommittee to study long-term, sustainable, dedicated operations and capital funding as well as cost-containment controls and strategies to ensure the Washington Metropolitan Area Transit Authority, the Virginia Railway Express, and the public transit systems that serve the Northern Virginia Transportation Commission and Potomac and Rappahannock Transportation Commission transportation districts meet the growing needs of public transit in the region. Report.

> Agreed to by the Senate, March 5, 2024 Agreed to by the House of Delegates, March 4, 2024

WHEREAS, Northern Virginia is served by a network of public transit providers that move more than 1.5 million people each week; and

WHEREAS, the Northern Virginia Transportation Commission (NVTC) found that Northern Virginia's transit network generates \$1.5 billion in income and sales tax that goes to the Commonwealth's general fund each year; and

WHEREAS, the Washington Metropolitan Area Transit Authority (WMATA) is the backbone of Northern Virginia's transit system and plays a critical role in the Commonwealth's transportation network and economic growth; and

Northern Virginia Transportation Commission 33

Audience: Local elected officials and jurisdictions



COMMONWEALTH OF VIRGINIA COUNTY OF FAIRFAX BOARD OF SUPERVISORS FAIRFAX VIRGINIA 22035

Suite 530 12000 GOVERNMENT CENTER PARKWAY FAIRFAX, VIRGINIA 22035-0071

> TELEPHONE 703- 324-2321 FAX 703- 324-3955

chairman@fairfaxcounty.gov

JEFFREY C. MCKAY CHAIRMAN

April 16, 2024

Fairfax County General Assembly Delegation Members General Assembly Building 201 North Ninth Street Richmond, Virginia 23219

Dear Fairfax County Delegation Members:

On behalf of the Fairfax County Board of Supervisors (Board), I am writing to voice our concerns about the Governor's amendment to the FY 2025-2026 Biennial Budget that removes additional state funding to NVTC to match our local government contributions to Metro. These comments were approved by the Board on April 16, 2024.

As you know, WMATA (Metrorail, Metrobus, and MetroAccess) and Fairfax Connector services are vital to the mobility and economic growth of Northern Virginia and the Commonwealth. According to the 2023 Northern Virginia Transportation Commission (NVTC) Report, Northern Virginia's transit network generates \$1.5 billion in annual personal income and sales tax revenue for Virginia. Approximately \$1 billion of it can be attributed to the Metrorail system. Fairfax

local funds for transportation each year, and the County and the Commonwealth must continue to work together to ensure that transportation needs are met.

Thank you for your time and continued support of WMATA and our local transit service. If you need any clarification or further information, please call me at (703) 324-2321 or Noelle Dominguez at (703) 877-5665.

Sincerely,

Mc I Jeffrev C. McKay

Chairman

ده2-464



Audience: Transit riders / advocates

(202) 675-0016 OC, MD, VA	DONATE EMAIL SIGNUP TAKE ACTION IN
Fund Metro!	Helpful Resources –
	 Fact Sheet (updated Jan 15, 2024) Statement of Principles Informative briefings to the WMATA Board December 2023 – The doomsday budget if funding isn't identified, showing service cuts, fare hikes September 2023 – Cost savings measures and options for closing the gap June 2023 – Progress at WMATA, benefits, reasons for funding gap
	 The Value of Transit to Northern Virginia Gov Youngkin's proposed transportation budget urging service cuts at Metro (p. 10)
	 Draft Maryland 6-Year Consolidated Transportation Program with \$150 million for Metro but a 40% cut to state support for local transit among other cuts



Audience: Business community

	THE VOICE OF BUSINESS IN NORTHERN VIRGINIA®	🖬 🏏 🖬	Q EVENTS	MEMBER LOGIN JOIN	CONTACT US	CHAMBER FOUNDATION
NORTHERN CHARGE OF COMPERCE Not the of the ansate of information	MEMBERS EVENTS DE&	I ADVOCACY	WORKFORCE	MEDIA & NEWS	ABOUT	
CHAMBER STATEMENT ON ME	ETRO, JULY 5, 2023			< >		

Lastly, we are committed to finding a way to ensure the system finds a solid foundation and can build towards financial sustainability. We understand the importance of WMATA in our regional economy as the system in Virginia alone generates \$1.5 billion in annual tax revenue. However, if we do not take this opportunity to reform WMATA for the better, we will be repeating this cycle every few years.

The Chamber will be assembling a group of Virginia-focused organizations to discuss our next steps. It is apparent, much like the 2019 funding cycle, Virginia will lead the way. We will continue to keep you informed.



Audience: Business community

The MetroNow Dispatch

MetroNow Dispatch 10.2023

This month we highlight the urgency of WMATA's operating but champion in Northern Virginia for their service and dedication t

METRONOW OCT 31, 2023 Here are MetroNow's top transit picks this month:

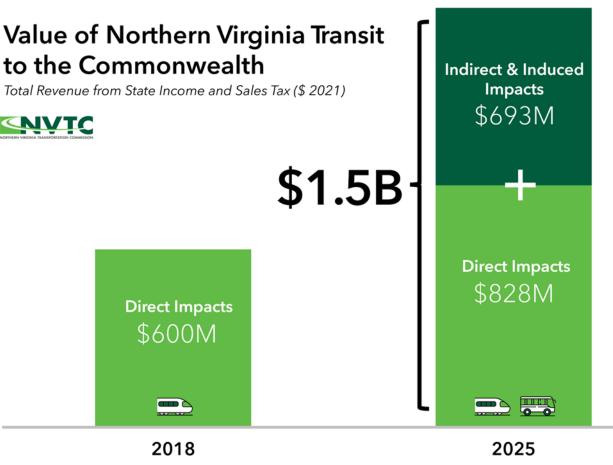
- 1. 🚡 244 days until the transit cliff: FY 2025 budget starts July 1, 2024.
- 2.
 <u>A</u> Registration open for this year's Capital Region Transportation Forum!: <u>Hear from the region's top transportation leaders</u> at Georgetown University on Nov. 30th.
- Wisualizing the Value of Transit: A <u>new online tool</u> from the Northern Virginia Transportation Commission shows growth, financial return of public transit in NOVA.
- Fare evasion bill in the District: <u>Proposed legislation</u> from councilmember Brooke Pinto would boost enforcement and attempt to fix a "loophole" in current law.
- All aboard! (automatically): Metro <u>is piloting automatic doors on Red Line</u> <u>trains</u>, an early step towards the full readoption of automatic train operations.
- Metro funding looming large in Virginia: WMATA officials joined state political leaders in October to discuss readjustment of the 3% cap.



Transit Supports Virginia

Northern Virginia's transit network generates **\$1.5 billion* in income and sales tax revenue** to the Commonwealth

* (2021 dollars), 2025 analysis year



(Created May 2023)

Thank You

Ann McGrane

Senior Program Manager, Transit Technology

Sophie Spiliotopoulos

Senior Program Analyst



2300 Wilson Boulevard, Suite 230, Arlington, Virginia www.novatransit.org | @novatransit

Explore the Value of Transit StoryMap

