



**Policy Board Meeting Agenda**  
**Frederick County Administrative Offices - First Floor Conference Room**  
**107 N. Kent Street, Winchester, VA**  
**June 19, 2019 - 10:00 a.m.**

**1. ADMINISTRATIVE ITEMS (10 minutes)**

- A. Adoption of Agenda
- B. Welcome and Introductions
- C. Review and approval of the Draft Minutes of the April 17, 2019 Policy Board Meeting **(Attached)**
- D. Financial Report **(Attached)**
- E. Draft June 4, 2019 Technical Advisory Committee Meeting Minutes **(Attached)**

**2. Public Comment Period**

**3. SmartScale Presentation – John Bishop, Frederick County (15 minutes)**

**Action: None requested.**

**4. I-81 Update – Terry Short, VDOT (10 minutes)**

**Action: None requested.**

**5. Upcoming Meeting Schedule**

- A. Project Steering Committee: TBD
- B. Technical Advisory Committee: July Meeting Cancelled; August 6, 2019
- C. Policy Board: July Meeting Cancelled; August 21, 2019

**6. VDOT/DRPT/Staff Updates (5 minutes)**

**7. Adjournment**

**A majority of the MPO voting members shall constitute a quorum (5 voting members)**

### **Glossary of Acronyms**

**CAC**- Citizen Advisory Committee- Serves as an advisory committee to the MPO Policy Board to solicit public input and provide citizen perspective on MPO projects. Conduct public hearings and public input sessions on selected projects at the direction of the Policy Board.

**CLRP** – Constrained Long Range Plan – A fiscally-constrained list of projects drawn from the Vision Plan element of the LRTP. All CLRP projects must have an estimated cost and a revenue source identified.

**FHWA** - Federal Highway Administration - Within the US Department of Transportation, FHWA is responsible for highway issues, including federal laws and regulations related to metropolitan transportation planning.

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**FTA Section 5303 Funds** - This program supports transit planning expenses to support cooperative, continuous, and comprehensive planning for making transportation investment decisions in metropolitan planning areas.

**FTA Section 5310** - Transportation for Elderly Persons and Persons with Disabilities - The goal of the Section 5310 Program is to provide assistance in meeting the special transportation needs of elderly persons and persons with disabilities. The program is designed to supplement other FTA or assistance programs by funding transportation projects for elderly person and persons with disabilities in all areas – urbanized, small urban, and rural.

**LRTP**- Long Range Transportation Plan- Developed and approved by the MPO, the LRTP is a regional plan that includes all transportation projects and programs that the MPO realistically anticipates can be implemented over the next 25 years. LRTP's may include a VISION PLAN, which is a list of all projects (a “wish list”), but must also include a CLRP. In order to receive federal funding, transportation projects must be included in the LRTP and the TIP.

**MPO** - Metropolitan Planning Organization - Federal transportation laws and regulations require the establishment of an MPO in every urbanized area of the U.S. with a population over 50,000. MPOs are responsible for meeting the federal metropolitan planning regulations for transportation.

**STP Funds** - STP funds are Federal Funds disbursed through State DOT's for Surface Transportation projects.

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**UPWP** – Unified Planning Work Program- MPOs must adopt and implement an annual work program and budget known as the Unified Planning Work Program (UPWP). The UPWP identifies all activities to be undertaken by the MPO during the fiscal year which begins July 1<sup>st</sup> and ends the following June 30th.

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1C Draft Policy Board Minutes

**WIN-FRED METROPOLITAN PLANNING ORGANIZATION**

Frederick County ❖ City of Winchester ❖ Town of Stephens City



400 Kendrick Lane, Suite E, Front Royal, Virginia 22630

Phone: 540-636-8800

www.winfredmpo.org

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**WinFred Metropolitan Planning Organization  
Chairman Charles DeHaven, Jr.  
DRAFT Policy Board Meeting Minutes - April 17, 2019**

**Frederick County Administrative Offices  
First Floor Conference Room  
107 North Kent Street, Winchester, Virginia**

<b>WinFred MPO Policy Board Member Jurisdiction Representatives</b>					
	<b>Frederick County</b>		<b>VDOT</b>		<b>Staff</b>
✓	Charles DeHaven, Jr.	✓	Randy Kiser	✓	Brandon Davis
	Judith McCann-Slaughter		<b>Non-Voting Members</b>	✓	John Madera
✓	Kris Tierney		Mack Frost, FHWA		Karen Taylor
	<b>Winchester</b>		Tony Cho, FTA		<b>Others</b>
	John Hill		Ciara Williams, DRPT		
✓	Eden Freeman		Rusty Harrington, FAA		
	Bill Wiley		<b>Alternates</b>		
			John Willingham (Winchester)		
	<b>Stephens City</b>		Perry Eisenach (Winchester)		
	Mike Majher	✓	Tim Youmans (Winchester)		
		✓	Mike Ruddy (Frederick)		
		✓	Terry Short (VDOT)		
			Matt Dana (VDOT)		
		✓	Ed Carter (VDOT)		
			Brad Reed (VDOT)		



**Policy Board Meeting Minutes  
Frederick County Administrative Offices - First Floor Conference Room  
107 N. Kent Street, Winchester, VA  
April 17, 2019 - 10:00 a.m.**

**1. ADMINISTRATIVE ITEMS**

- A. Adoption of Agenda – Motion to adopt agenda made by Ms. Freeman; seconded by Ms. McCann-Slaughter. Motion carried.
- B. Welcome and Introductions – Chairman Dehaven welcomed everyone to the meeting.
- C. Review and approval of the Draft Minutes of the March 20, 2019 Policy Board Meeting – Motion to approve made by Ms. McCann-Slaughter; seconded by Mr. Kiser. Motion carried.
- D. Financial Report – Provided for information.
- E. Draft April 2, 2019 Technical Advisory Committee Meeting Minutes – Provided for information.
- F. Review and endorsement of a request for FTA Section 5310 Grant assistance from Northwestern Community Services Board – A representative from NWCS will gave a brief report on the request- Motion to approve endorsement of grant made by Mr. Tierney; motion seconded by Ms. Freeman. Motion carried.

**2. Public Comment Period – None reported.**

**3. Review of the Draft FY20 Unified Planning Work Program (UPWP) – John Madera, NSVRC**

Following a review of the Draft FY20 UPWP, a motion was made by Mr. Tierney to forward the Draft FY20 UPWP to the 20 day public comment period, pending no comments received, final approval of the document; motion seconded by Mr. Youmans. Motion carried.

**4. I-81 Funding Update – Terry Short, VDOT**

Mr. Short provided an update on I-81 in regards to the approved Governor’s Tax Solution. The solution creates an I-81 corridor improvement fund, a standing committee consisting of 5 PDC chairs, 4 Delegates, 3 Senators, 3 CTB members, Commissioner of VDOT and Director of DRPT are ex officio. Regional tax of 2.1% on gas will support I-81 fund and other statewide funds increases will be split. Discussion ensued confirming a desire to keep funds raised locally to be spent locally.

**5. Upcoming Meeting Schedule**

- A. Project Steering Committee: TBD
- B. Technical Advisory Committee: Tuesday, May 7, 2019 @ 10 a.m.
- C. Policy Board: Wednesday, May 15, 2019 @ 10 a.m.

**6. VDOT/DRPT/Staff Updates – None reported.**

Meeting adjourned at 10:40 a.m.

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WIN-FRED MPO FYE 2019 UPWP  
Revenues & Fiscal Year to Date Expenses Summary by Task  
*July 1, 2018 through May 25, 2019 (FY 2019)*

		Highway Funding				Transit Funding				Total 100% MPO Expenditures	UPWP Funding Remaining
UPWP Tasks	% Split VDOT/ DRPT	FHWA Planning 80%	State Match 10%	Local Match 10%	Subtotal Highway VDOT	FTA 5303 80%	State Match 10%	Local Match 10%	Subtotal Transit DRPT		
<b>Task 1: Program Management and Administration Revenue</b>	<b>50/50</b>	\$ 26,000.00	\$ 3,250.00	\$ 3,250.00	\$ 32,500.00	\$ 26,000.00	\$ 3,250.00	\$ 3,250.00	\$ 32,500.00	\$ 65,000.00	
NSVRC Administrative Expenses & Direct Costs		\$ (25,141.82)	\$ (3,142.73)	\$ (3,142.73)	\$ (31,427.27)	\$ (25,141.82)	\$ (3,142.73)	\$ (3,142.73)	\$ (31,427.27)	\$ (62,854.54)	
T1 Revenue Balance Remaining		\$ 858.18	\$ 107.27	\$ 107.27	\$ 1,072.73	\$ 858.18	\$ 107.27	\$ 107.27	\$ 1,072.73	\$ 2,145.46	3.3%
<b>Task 2: Transportation Improvement Program (TIP)</b>	<b>50/50</b>	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 1,250.00	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 1,250.00	\$ 2,500.00	
NSVRC Administrative Expenses & Direct Costs		\$ (321.56)	\$ (40.20)	\$ (40.20)	\$ (401.96)	\$ (643.13)	\$ (40.20)	\$ 281.37	\$ (401.96)	\$ (803.91)	
T2 Revenue Balance Remaining		\$ 678.44	\$ 84.80	\$ 84.80	\$ 848.05	\$ 356.87	\$ 84.80	\$ 406.37	\$ 848.05	\$ 1,696.09	67.8%
<b>Task 3: State/Federal Requested Work Tasks</b>	<b>50/50</b>	\$ 600.00	\$ 75.00	\$ 75.00	\$ 750.00	\$ 600.00	\$ 75.00	\$ 75.00	\$ 750.00	\$ 1,500.00	
NSVRC Administrative Expenses & Direct Costs		\$ (568.97)	\$ (71.12)	\$ (71.12)	\$ (711.21)	\$ (568.97)	\$ (71.12)	\$ (71.12)	\$ (711.21)	\$ (1,422.42)	
T3 Revenue Balance Remaining		\$ 31.03	\$ 3.88	\$ 3.88	\$ 38.79	\$ 31.03	\$ 3.88	\$ 3.88	\$ 38.79	\$ 77.58	5.2%
<b>Task 4: Public Mobility</b>	<b>0/100</b>	N/A				\$ 18,566.40	\$ 2,320.80	\$ 2,320.80	\$ 23,208.00	\$ 23,208.00	
NSVRC Administrative Expenses & Direct Costs						\$ (5,953.44)	\$ (744.18)	\$ (744.18)	\$ (7,441.80)	\$ (7,441.80)	
Consultant Expenses						\$ -	\$ -	\$ -	\$ -		
T4 Revenue Balance Remaining						\$ 12,612.96	\$ 1,576.62	\$ 1,576.62	\$ 15,766.20	\$ 15,766.20	67.9%
<b>Task 5: Local Technical Assistance</b>	<b>20/80</b>	\$ 6,400.00	\$ 800.00	\$ 800.00	\$ 8,000.00	\$ 25,600.00	\$ 3,200.00	\$ 3,200.00	\$ 32,000.00	\$ 40,000.00	
NSVRC Administrative Expenses & Direct Costs		\$ (6,272.36)	\$ (784.05)	\$ (784.04)	\$ (7,840.45)	\$ -	\$ -	\$ -	\$ -	\$ (7,840.45)	
Consultant Expenses		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
T5 Revenue Balance Remaining		\$ 127.64	\$ 15.95	\$ 15.96	\$ 159.55	\$ 25,600.00	\$ 3,200.00	\$ 3,200.00	\$ 32,000.00	\$ 32,159.55	80.4%
<b>Task 6: Bicycle &amp; Pedestrian Plan Development</b>	<b>0/100</b>	N/A				\$ 12,000.00	\$ 1,500.00	\$ 1,500.00	\$ 15,000.00	\$ 15,000.00	
NSVRC Administrative Expenses & Direct Costs						\$ (3,337.79)	\$ (417.22)	\$ (417.22)	\$ (4,172.24)	\$ (4,172.24)	
Consultant Expenses						\$ (8,433.26)	\$ (1,054.16)	\$ (1,054.16)	\$ (10,541.57)	\$ (10,541.57)	
T6 Revenue Balance Remaining						\$ 228.95	\$ 28.62	\$ 28.62	\$ 286.19	\$ 286.19	1.9%
<b>Task 7: System Planning</b>	<b>90/10</b>	\$ 237,600.00	\$ 29,700.00	\$ 29,700.00	\$ 297,000.00	\$ 26,400.00	\$ 3,300.00	\$ 3,300.00	\$ 33,000.00	\$ 330,000.00	
NSVRC Administrative Expenses & Direct Costs		\$ (22,384.00)	\$ (2,798.00)	\$ (2,798.00)	\$ (27,980.00)	\$ (2,487.11)	\$ (310.89)	\$ (310.89)	\$ (3,108.89)	\$ (31,088.89)	
Consultant Expenses		\$ (47,937.60)	\$ (5,992.20)	\$ (5,992.20)	\$ (59,922.00)	\$ (5,326.40)	\$ (665.80)	\$ (665.80)	\$ (6,658.00)	\$ (66,580.00)	
T7 Revenue Balance Remaining		\$ 167,278.40	\$ 20,909.80	\$ 20,909.80	\$ 209,098.00	\$ 18,586.49	\$ 2,323.31	\$ 2,323.31	\$ 23,233.11	\$ 232,331.11	70.4%
<b>Task 8: Long Range Planning, Modeling, GIS and Data</b>	<b>45/55</b>	\$ 28,800.00	\$ 3,600.00	\$ 3,600.00	\$ 36,000.00	\$ 35,200.00	\$ 4,400.00	\$ 4,400.00	\$ 44,000.00	\$ 80,000.00	
NSVRC Administrative Expenses & Direct Costs		\$ (4,281.95)	\$ (535.24)	\$ (535.24)	\$ (5,352.44)	\$ (5,233.50)	\$ (654.19)	\$ (654.19)	\$ (6,541.87)	\$ (11,894.31)	
T8 Revenue Balance Remaining		\$ 24,518.05	\$ 3,064.76	\$ 3,064.76	\$ 30,647.56	\$ 29,966.50	\$ 3,745.81	\$ 3,745.81	\$ 37,458.13	\$ 68,105.69	85.1%
TOTAL FY19 BUDGETED REVENUES		\$ 300,400.00	\$ 37,550.00	\$ 37,550.00	\$ 375,500.00	\$ 145,366.40	\$ 18,170.80	\$ 18,170.80	\$ 181,708.00	\$ 557,208.00	
TOTAL FY19 EXPENSES FISCAL YEAR TO DATE		\$ (106,908.26)	\$ (13,363.53)	\$ (13,363.53)	\$ (133,635.33)	\$ (57,125.41)	\$ (7,100.48)	\$ (6,778.92)	\$ (71,004.80)	\$ (204,640.13)	
TOTAL FY19 BUDGETED REVENUES REMAINING		\$ 193,491.74	\$ 24,186.47	\$ 24,186.47	\$ 241,864.67	\$ 88,240.99	\$ 11,070.32	\$ 11,391.88	\$ 110,703.20	\$ 352,567.87	

Fiscal Year to Date Staff Hours: July 1, 2018 - May 25, 2019	TASK #1	TASK #2	TASK #3	TASK #4	TASK #5	TASK #6	TASK #7	TASK #8	TOTAL HOURS
Executive Assistant									
Executive Director	221.00								221.00
Principal Planner	2.00		10.75		17.00		370.25	90.50	490.50
Director of Finance & Administration	49.75								49.75
Program Coordinator	9.50								
Sr. Project & Operations Manager	386.50	11.50		51.00	31.00	51.75	1.00		532.75
GIS/Regional Planner II								70.00	70.00
TOTAL HOURS FYTD	668.75	11.50	10.75	51.00	48.00	51.75	371.25	160.50	1373.50

Return to Agenda

## Win-Fred Metropolitan Planning Organization (MPO)

1E Draft TAC  
Minutes

Frederick County ❖ City of Winchester ❖ Town of Stephens City



400 Kendrick Lane, Suite E, Front Royal, Virginia 22630

Phone: 540-636-8800

[www.winfredmpo.org](http://www.winfredmpo.org)

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**Draft Technical Advisory Committee Minutes: June 4, 2019 @ 10 a.m.**

**Frederick County Administrative Offices  
107 N. Kent Street, Winchester, VA  
First Floor Conference Room**

Member Jurisdiction Representatives					
	Frederick County		VDRPT		Staff
	Patrick Barker		Ciara Williams	✓	Brandon Davis
✓	John Bishop		Todd Horsley	✓	John Madera
✓	Mike Ruddy		<b>Winchester Airport</b>	✓	Karen Taylor
	Jay Tibbs		Nick Sabo	✓	Becky Sandretzky
	<b>Stephens City</b>		<b>Winchester Transit</b>		<b>Others</b>
	Mike Majher	✓	Renee Wells	✓	Scott Alexander, VDOT
	<b>VDOT</b>		<b>Winchester</b>	✓	Ed Carter, VDOT
✓	Terry Short	✓	Perry Eisenach	✓	Katie Schwing, OIPO
			Justin Hall		
	<b>Non-Voting</b>	✓	Tim Youmans		
	Mack Frost, FHWA		Shawn Hershberger		
	Tony Cho, FTA				
	Rusty Harrington, VA Dept. of Aviation				

**Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE (TAC) Meeting Minutes  
June 4, 2019 - 10:00 a.m.  
Frederick County Administrative Offices – First Floor Conference Room  
107 N. Kent Street, Winchester, VA**

**1. Administrative Items:**

- a) Adoption of Agenda – A motion was made by Mr. Ruddy adopting the agenda, seconded by Mr. Eisenach. Motion approved.
- b) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
- c) Review and approval of the May 7, 2019 Technical Advisory Committee Meeting Minutes – A motion was made by Mr. Ruddy approving the minutes, seconded by Mr. Eisenach. Motion approved.

**2. Public Comment Period – None reported.**

**3. VTRANS Update – Katie Schwing, Office of Intermodal Planning & Investment**

Ms. Schwing gave a presentation on the VTRANS update. (*attached*)

**4. Highway Safety Improvement Program Presentation - Keith Rider, Staunton District Traffic Engineer**

Mr. Rider was absent; Mr. Short spoke in his place updating everyone that the program is going to be put on hold for this year.

**5. SmartScale Discussion – John Bishop, Frederick County**

Mr. Bishop gave an update on the SmartScale Discussion and will present it to the Policy Board this month.

**6. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices but may be subject to change):**

- Project Steering Meeting: July 19, 2019 following the Policy Board meeting.
- Policy Board: June 19, 2019; July potentially cancelled
- Technical Advisory Committee: July meeting cancelled

**7. VDOT/DRPT/Staff Updates (10 minutes)**

VDOT: Mr. Short updated on I-81, they have been working with their colleagues in Richmond to prioritize the priority list of the 2.2 billion dollars. They've got a series of meetings that they've had and spreadsheets in preparation for the I-81 committee meetings, expected to take place sometime in July. He stated that things are moving quickly.

**8. Other Business – None reported.**

**Meeting adjourned at 11:45 a.m.**

A meeting quorum shall be established by two (2) members of the CITY,  
two (2) members of the COUNTY and one (1) member of the STATE



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**CMAQ-** Congestion Mitigation and Air Quality Improvement (CMAQ) Program was implemented to support surface transportation projects and other related efforts that contribute air quality improvements and provide congestion relief.

**FHWA** - Federal Highway Administration - Within the US Department of Transportation, FHWA is responsible for highway issues, including federal laws and regulations related to metropolitan transportation planning.

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**HSIP** - Highway Safety Improvement Program - The overall purpose of this program is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads through the implementation of infrastructure-related highway safety improvements.

**LRTP-** Long Range Transportation Plan- Developed and approved by the MPO, the LRTP is a regional plan that includes all transportation projects and programs that the MPO realistically anticipates can be implemented over the next 25 years. LRTP's may include a VISION PLAN, which is a list of all projects (a "wish list"), but must also include a CLRP. In order to receive federal funding, transportation projects must be included in the LRTP and the TIP.

**The FAST Act** - On December 4, 2015, President Obama signed the Fixing America's Surface Transportation (FAST) Act (Pub. L. No. 114-94) into law—the first federal law in over a decade to provide long-term funding certainty for surface transportation infrastructure planning and investment. The FAST Act authorizes \$305 billion over fiscal years 2016 through 2020 for highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology, and statistics programs. The FAST Act maintains our focus on safety, keeps intact the established structure of the various highway-related programs we manage, continues efforts to streamline project delivery and, for the first time, provides a dedicated source of federal dollars for freight projects. With the enactment of the FAST Act, states and local governments are now moving forward with critical transportation projects with the confidence that they will have a federal partner over the long term.

**NHPP-** National Highway Performance Program - The NHPP provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a State's asset management plan for the NHS.

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COMMONWEALTH *of* VIRGINIA  
*Office of the*  
SECRETARY *of* TRANSPORTATION

# VTrans Update

WinFred MPO TAC Meeting

Katie Schwing, OIPI

Tuesday, June 4th, 2019



# FEEDBACK REQUESTS CHECKLIST

- ☐ Share performance measures to be used for Needs Identification (today's meeting)
- ☐ Confirm activity centers (ongoing & July regional workshop)
- ☐ Confirm presence of UDAs and UDA contacts (ongoing with localities)



# TRANSPORTATION'S ROLE IN ECONOMY

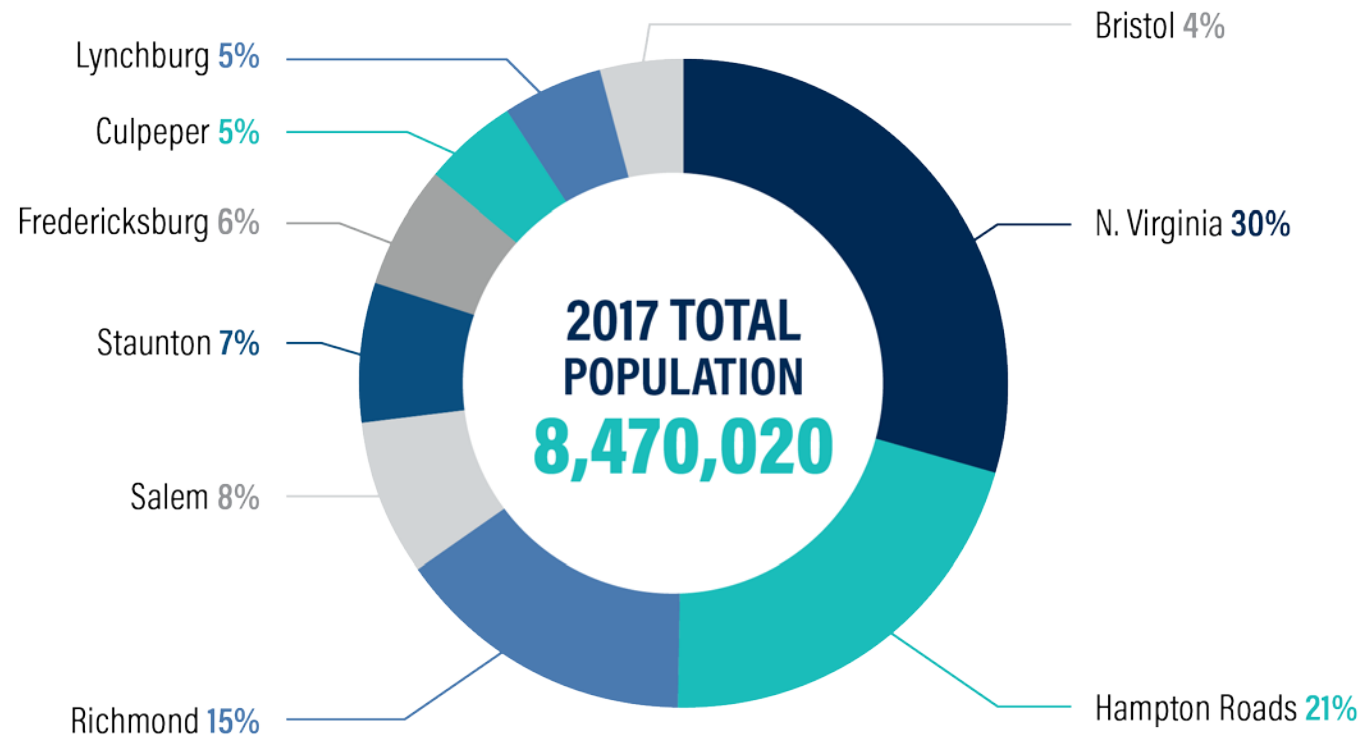
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- Population and employment trends provide insight to transportation demand:
  - Economic model is changing – some businesses are choosing locations based on quality of life (workers prefer walkable places to live and work)
  - Different industry clusters have different transportation modal demand
  - Transportation plays an important role in attracting future workforce
  - Generational values/expectations guide where people choose to live and work

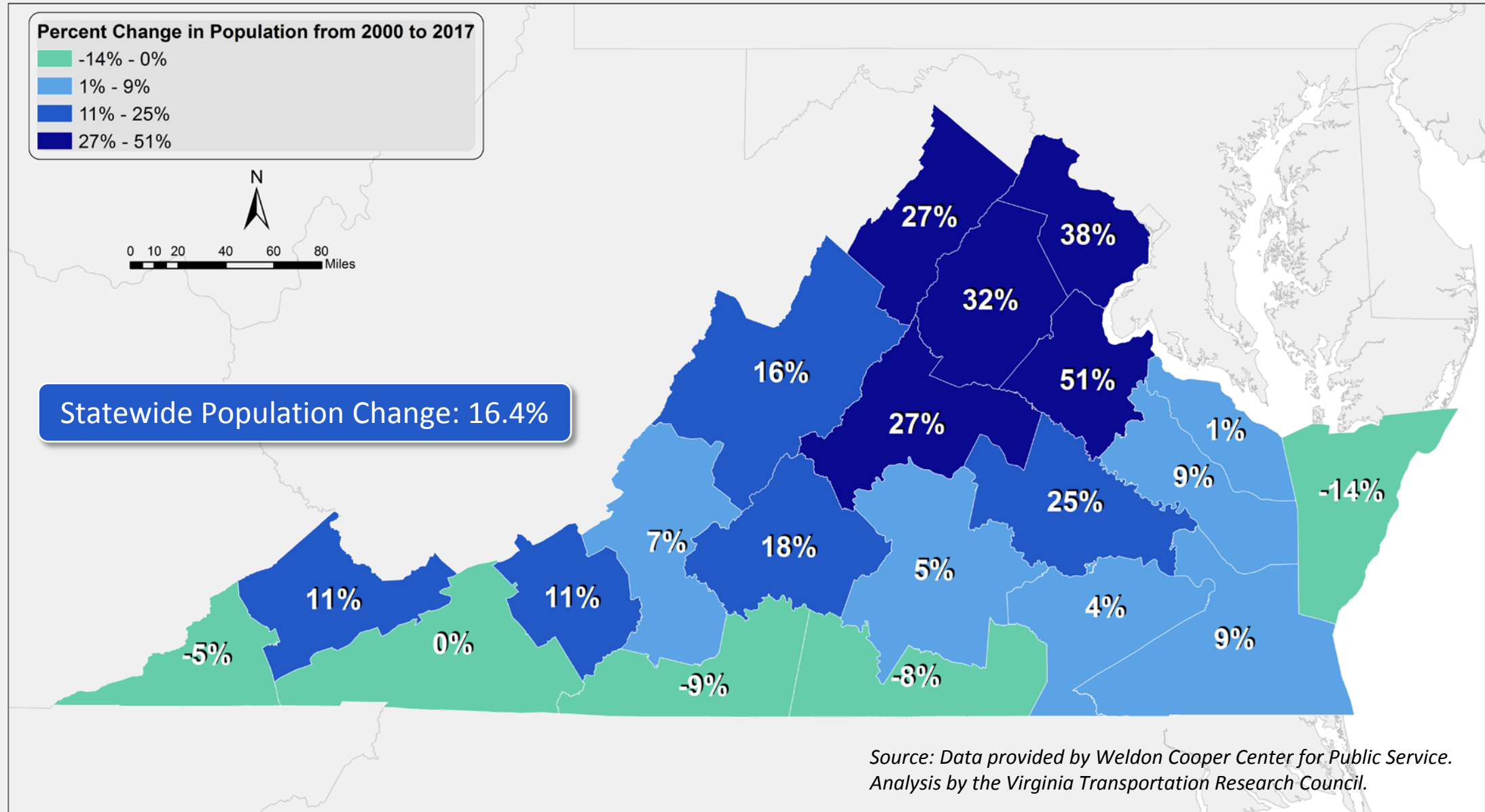


# DEMOGRAPHIC TRENDS: POPULATION BY CTB DISTRICT

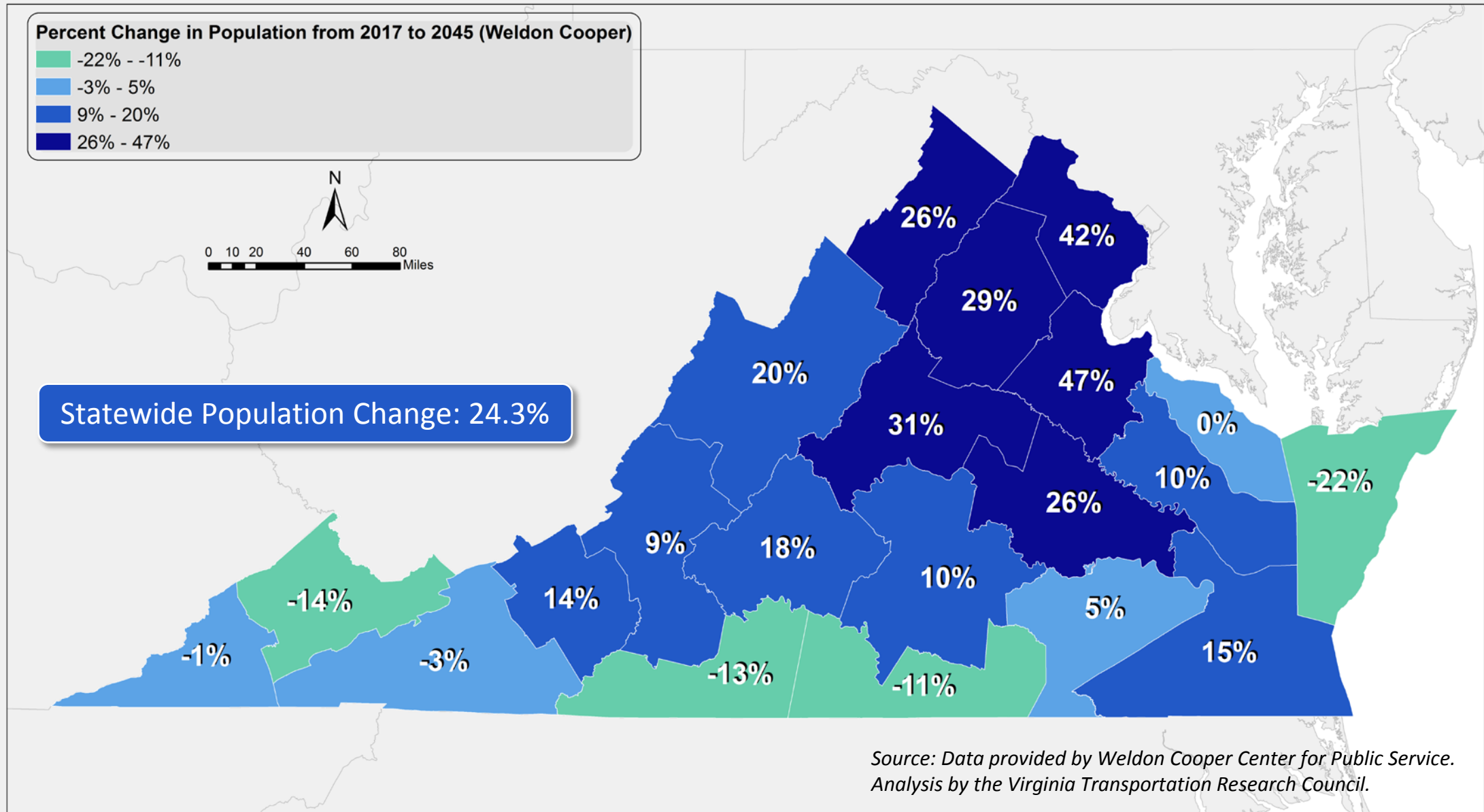
## Percentage of Population *(By CTB District)*



# DEMOGRAPHIC TRENDS: POPULATION CHANGE BY PDCs – 2000-2017

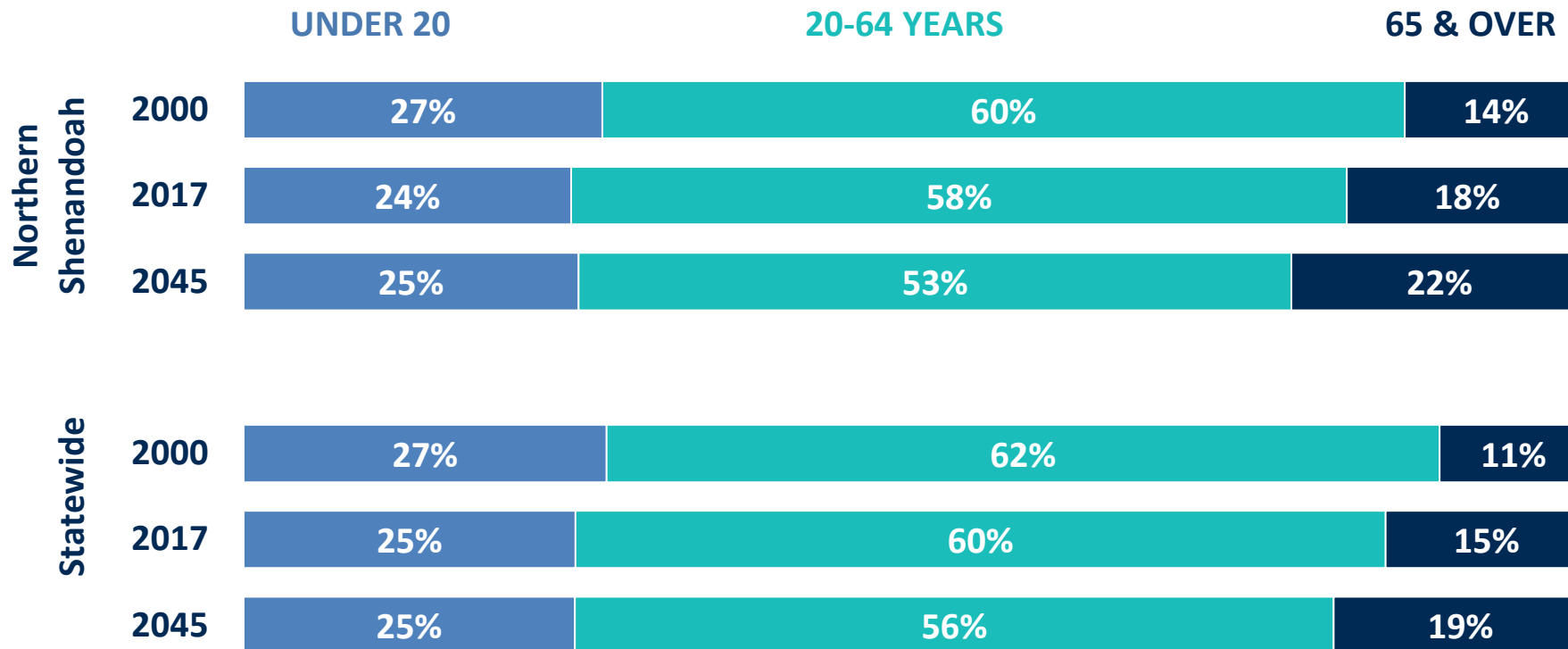


# DEMOGRAPHIC TRENDS: POPULATION CHANGE BY PDCS – 2017-2045



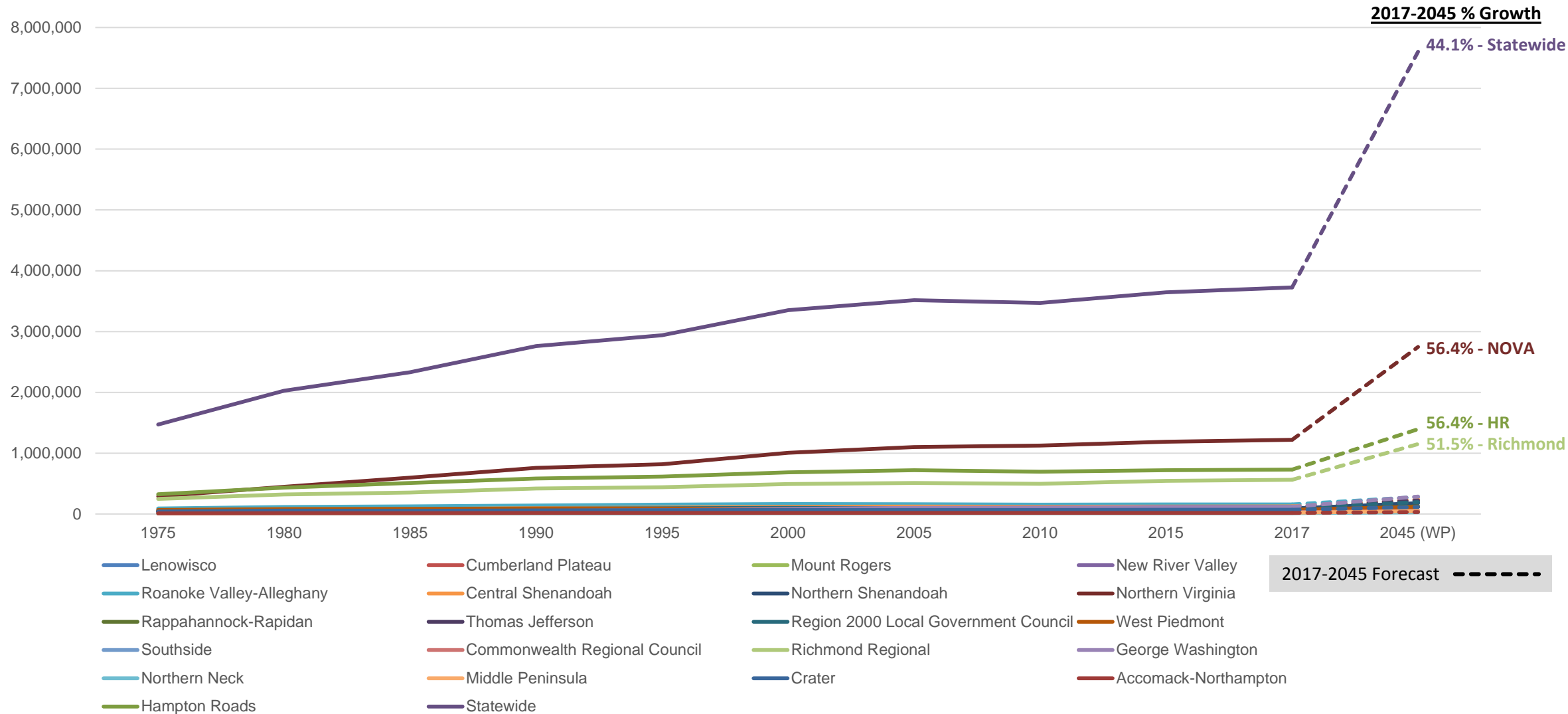
# DEMOGRAPHIC TRENDS: AGE DISTRIBUTION BY PDC

## Northern Shenandoah Valley RC

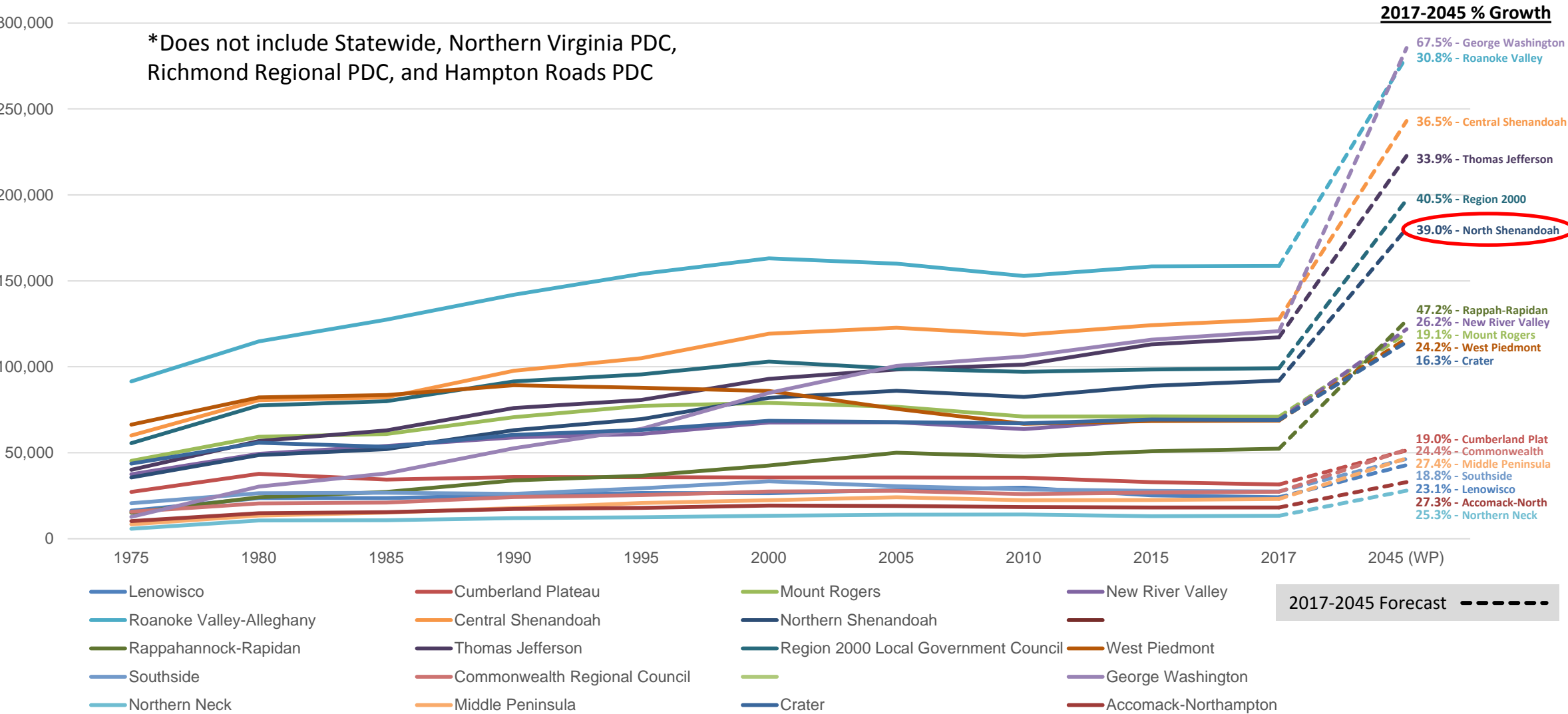




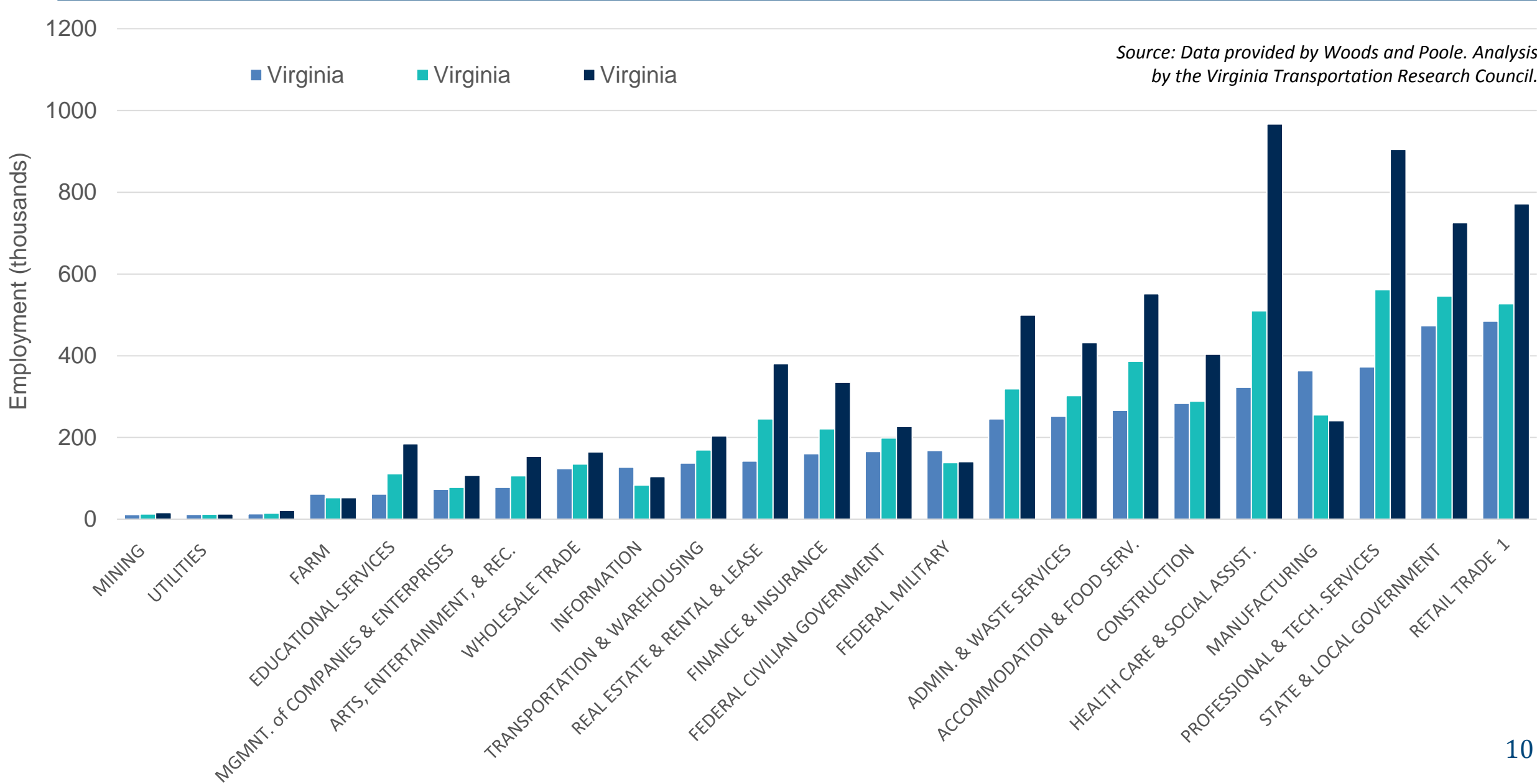
# DEMOGRAPHIC TRENDS: EMPLOYMENT BY PDC – 1975 TO 2045



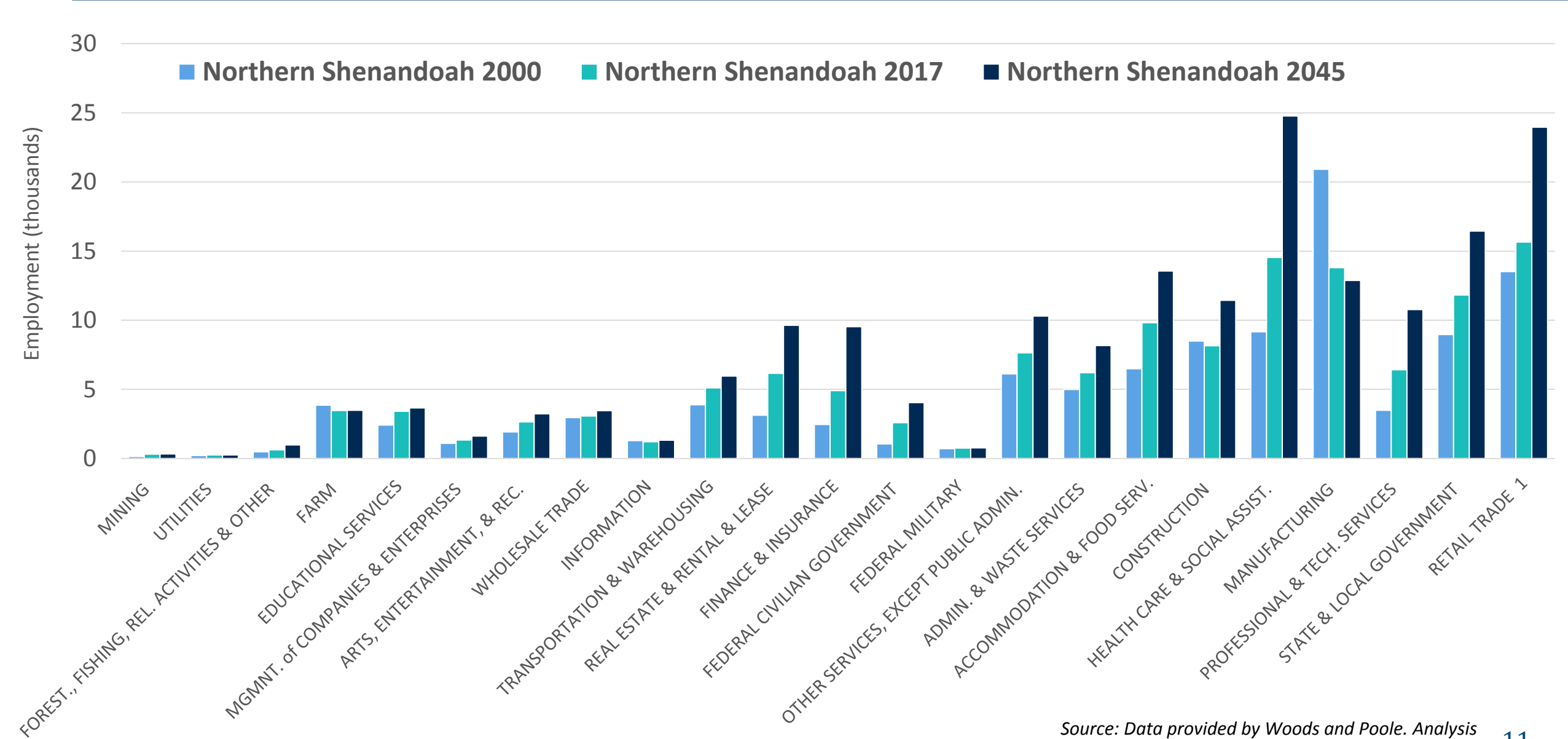
# DEMOGRAPHIC TRENDS: EMPLOYMENT BY PDC – 1975 TO 2045\*



# DEMOGRAPHIC TRENDS: STATEWIDE EMPLOYMENT BY INDUSTRY

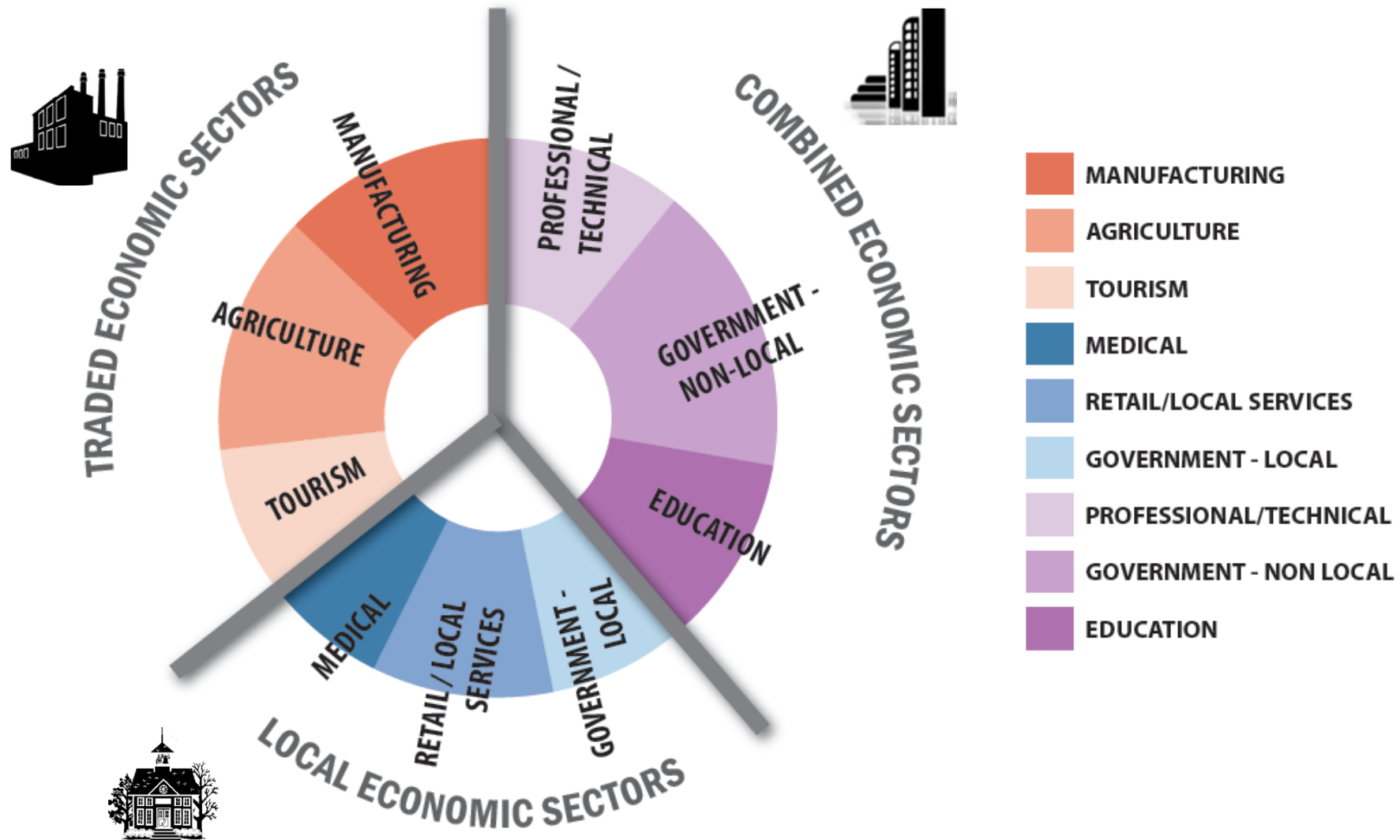


# DEMOGRAPHIC TRENDS: PDC EMPLOYMENT BY INDUSTRY



Source: Data provided by Woods and Poole. Analysis by the Virginia Transportation Research Council.

# ECONOMIC-TRANSPORTATION LINKAGES | INDUSTRY CLUSTERS



# ECONOMIC-TRANSPORTATION LINKAGES | TRANSPORTATION

Different industry clusters have different *Needs*, *Opportunities* and *Constraints* for efficient transportation



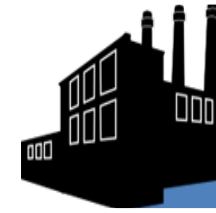
## Knowledge-Based

- Mixed-use development
- Walking between destinations
- Traditional peak commute times
- Airport access



## Local Serving

- Different peak commute times
- Customer traffic
- Trip-chaining destinations
- Truck deliveries



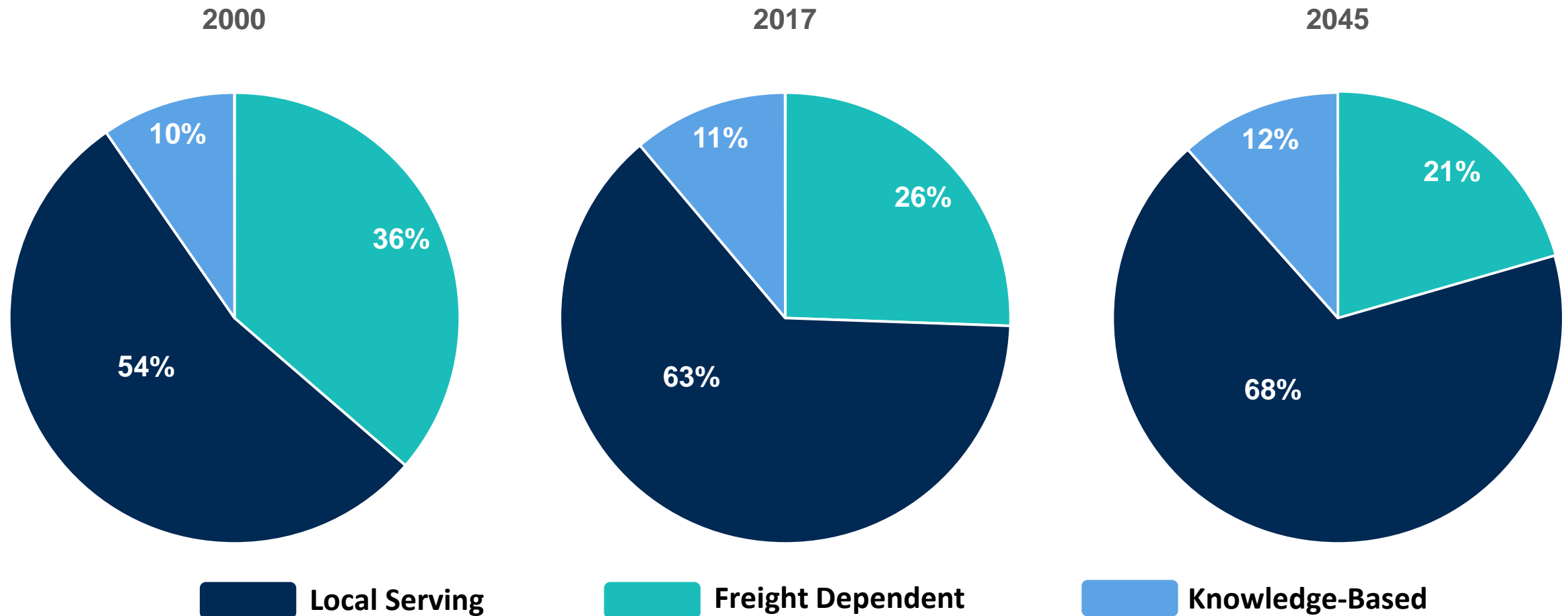
## Freight Dependent

- Shift hours
- Truck origins and destinations
- Rail, port and/or airport access
- Remote locations



# DEMOGRAPHIC TRENDS: PDC EMPLOYMENT BY INDUSTRY

## Northern Shenandoah Valley RC



Statewide:

2000: Local 58%, Freight 23%, Knowledge 19%

2017: Local 63%, Freight 18%, Knowledge 19%

2045: Local 65%, Freight 15%, Knowledge 20%

Source: Data provided by Woods and Poole. Analysis by the Virginia Transportation Research Council.



**VTRANS**

VIRGINIA'S  
TRANSPORTATION PLAN

# TRAVEL MARKETS OVERVIEW

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- **Corridors of Statewide Significance (CoSS)** [Code of Virginia [§ 33.2-35](#)]
  - Serve inter-regional travel
- **Regional Networks** [Code of Virginia in in [§ 33.2-353](#)]
  - Serve commuters, intra-regional, and local travel
- **Urban Development Areas (UDA)** [Code of Virginia [§ 33.2-353](#) and [§ 15.2-2223.1](#)]
  - Designated by local governments
  - Intended to promote walkable development and traditional neighborhood design



## Corridors of Statewide Significance\*

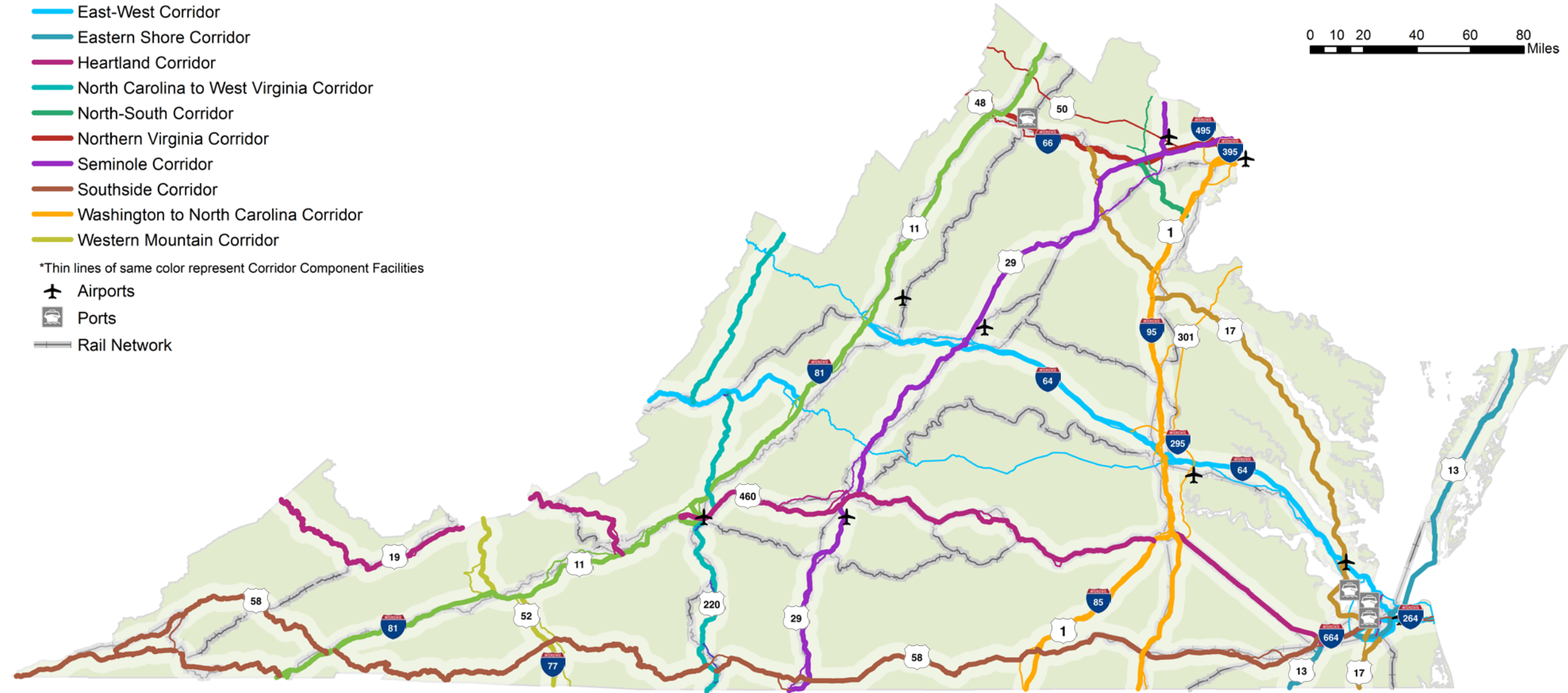
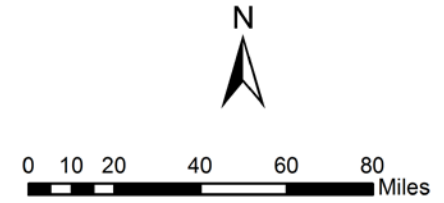
- Coastal Corridor
- Crescent Corridor
- East-West Corridor
- Eastern Shore Corridor
- Heartland Corridor
- North Carolina to West Virginia Corridor
- North-South Corridor
- Northern Virginia Corridor
- Seminole Corridor
- Southside Corridor
- Washington to North Carolina Corridor
- Western Mountain Corridor

\*Thin lines of same color represent Corridor Component Facilities

- Airports
- Ports
- Rail Network

## Travel Markets:





*Corridors of Statewide Significance serve inter-regional travel.*



## Corridors of Statewide Significance\*

- Coastal Corridor
- Crescent Corridor
- East-West Corridor
- Eastern Shore Corridor
- Heartland Corridor
- North Carolina to West Virginia Corridor
- North-South Corridor
- Northern Virginia Corridor
- Seminole Corridor
- Southside Corridor
- Washington to North Carolina Corridor
- Western Mountain Corridor

\*Thin lines of same color represent Corridor Component Facilities

-  Airports
-  Ports
-  Rail Network
-  Regional Networks

## Travel Markets:

*Corridors of Statewide Significance serve inter-regional travel.*

*Regional Networks serve commuters, intra-regional and local travel.*





## Corridors of Statewide Significance\*

- Coastal Corridor
- Crescent Corridor
- East-West Corridor
- Eastern Shore Corridor
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- Western Mountain Corridor

\*Thin lines of same color represent Corridor Component Facilities

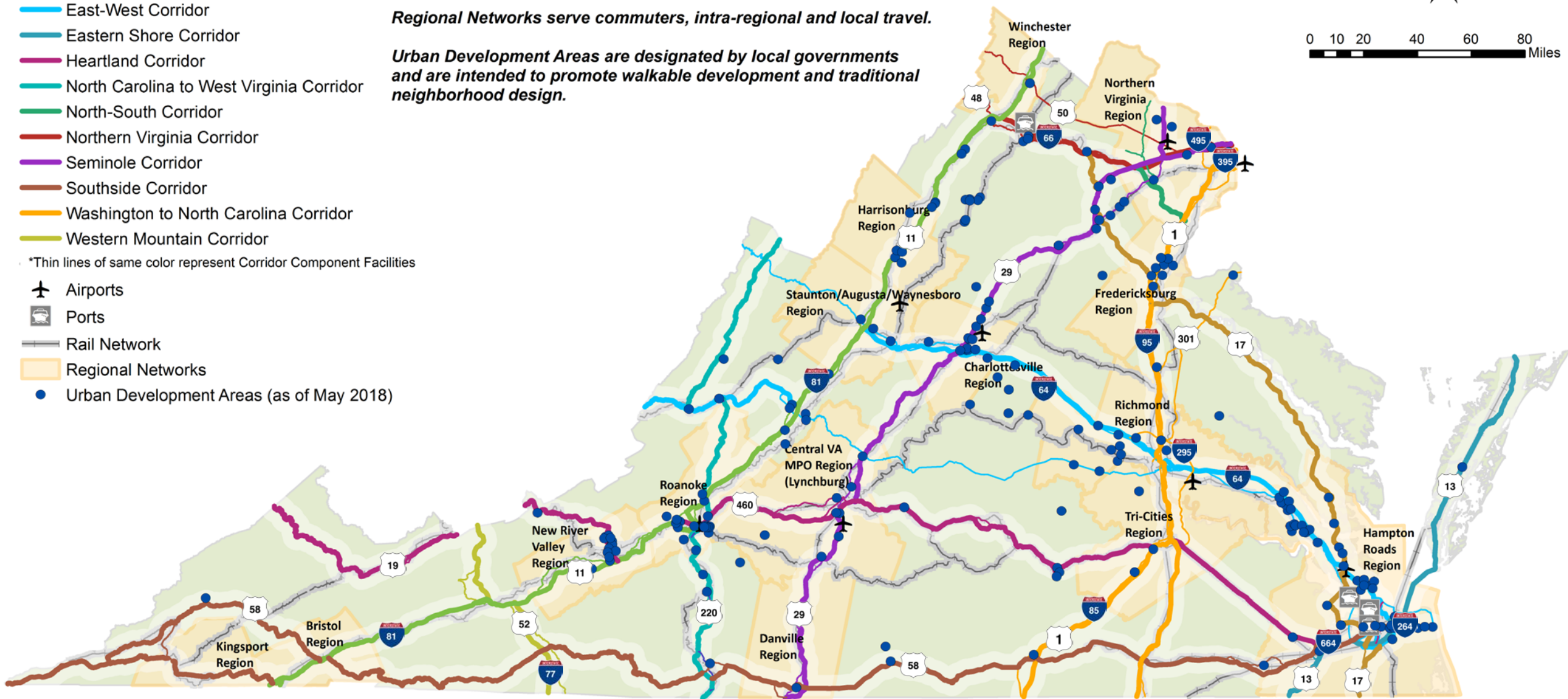
- Airports
- Ports
- Rail Network
- Regional Networks
- Urban Development Areas (as of May 2018)

## Travel Markets:

*Corridors of Statewide Significance serve inter-regional travel.*

*Regional Networks serve commuters, intra-regional and local travel.*

*Urban Development Areas are designated by local governments and are intended to promote walkable development and traditional neighborhood design.*



## Mid-Term Needs Approach:

- Validate and build upon needs identified in VTrans2040
- Introduce new/improved data sources and new measures in line with federal performance reporting requirements
- Tie measures to VTrans Goals and Objectives
- Coordinate with regional and local stakeholders to update needs

## Mid-Term Needs Approach by Travel Markets:

- CoSS – more data-driven, smaller segments than last time
- RN – build on VTrans2040, verify, update, confirm/revise
- UDA – build on VTrans2040, verify, update, confirm/revise
- Safety – Potential for Safety Improvements (PSI)

# TRAVEL MARKETS & MID-TERM NEEDS ANALYSIS








	CoSS	Regional Networks	UDA	Safety (Statewide)
<b>Starting Point</b>	Full Analysis of CoSS	VTrans2040 RN needs	VTrans2040 UDA needs	Full analysis of PSI locations
<b>How will measures be used?</b>	Identification of new needs	Validation of previously identified needs and identification of new needs	Needs must support UDA legislative requirements ( <a href="#">§ 15.2-2223.1</a> )	Identification of new needs
<b>Stakeholder engagement required</b>	Review and comment on identified needs	Regional workshops for needs identification with MPOs, PDCs, and localities	Survey/Needs questionnaire with localities	Review and comment on identified needs

# VTRANS GOALS

## VTrans2040 Goals



# DRAFT - MID-TERM NEEDS IDENTIFICATION MEASURES

	Goal	Mid-Term Needs Measures	CoSS	Regional Network	UDA	Safety
	A	Throughput	✓			
	A	Travel Time	✓	✓*		
	A	Person Delay During Unreliable Conditions (PDDUC)**	✓			
	A	Interstate: Heavy/medium truck*** vehicle hours of delay per lane mile	✓			
	B	[Accessibility measures – to be determined]		✓		
	B	Disadvantaged communities beyond ¼ mile access to transit		✓		
	C	PSI – Potential for safety improvements, (top X percentile and with minimum of Y crashes)	✓	✓		✓

\* Based on availability of data










\*\* Multiply the volume by the travel time beyond the 50<sup>th</sup> percentile for segment and time period

\*\*\* Vehicles defined in federal vehicle classification scheme as Class 5 or greater

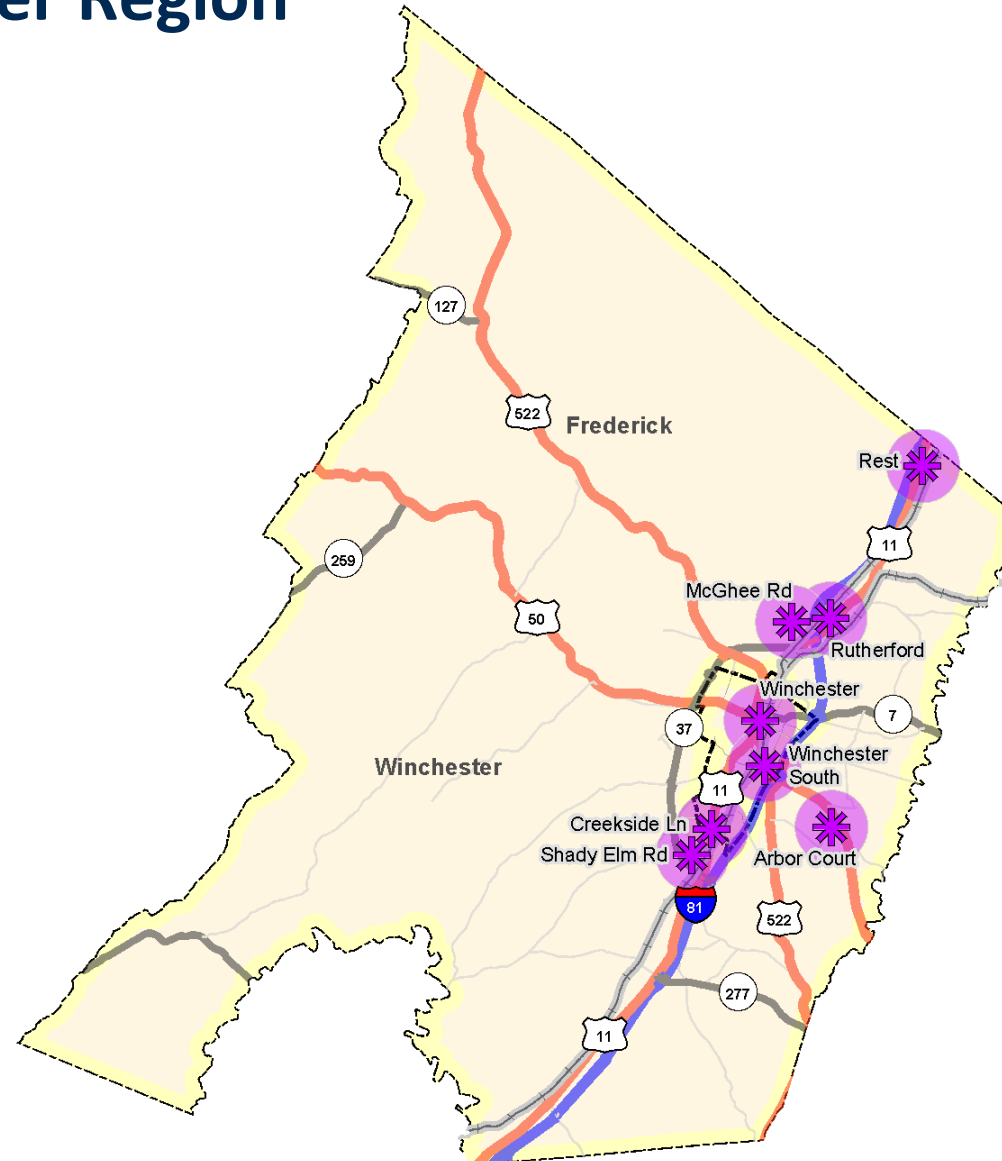


# REGIONAL NETWORKS | ACTIVITY CENTERS

## Legend











-  2040 Activity Centers
-  Airports
-  Ports
-  Rail Network
-  Interstate
-  U.S. Route
-  State Route
-  Frontage Road
-  Secondary Route
-  Urban Road
-  Virginia Counties

## Winchester Region

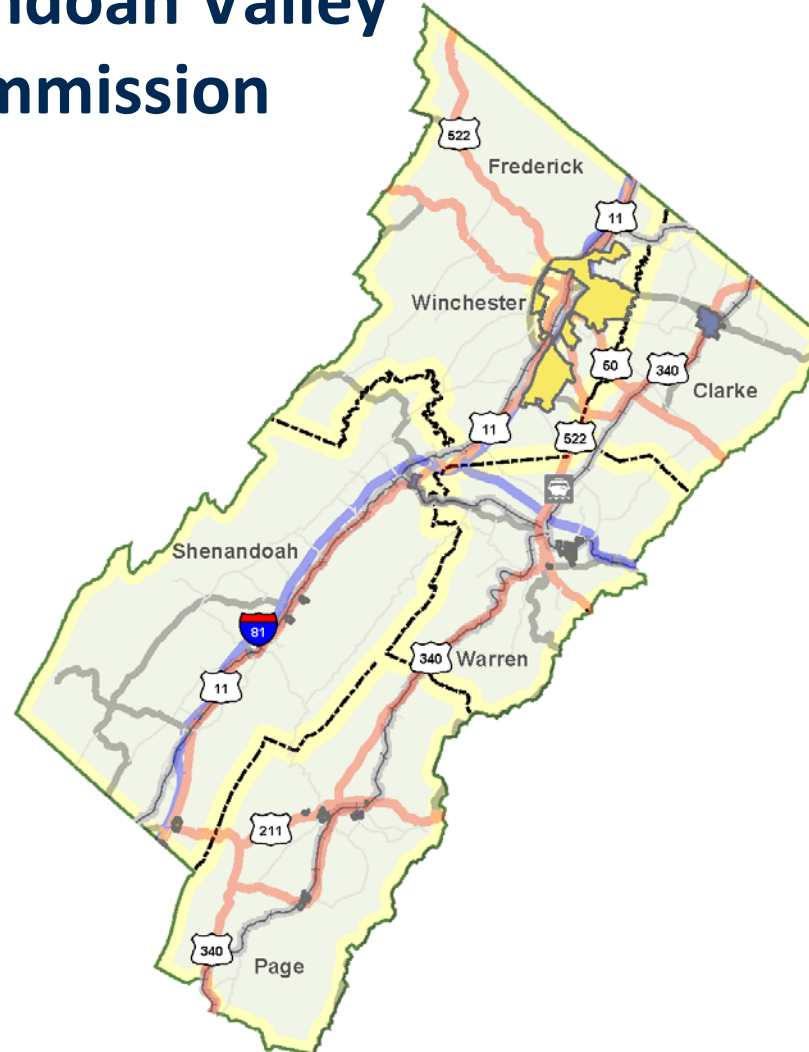
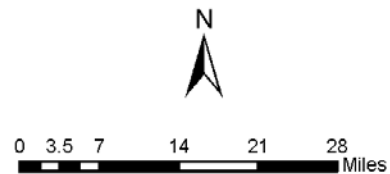


# URBAN DEVELOPMENT AREAS



















## Legend

-  Airports
-  Ports
-  Rail Network
-  Virginia Counties
-  Interstate
-  U.S. Route
-  State Route
-  Frontage Road
-  Secondary Route
-  Urban Road

## Northern Shenandoah Valley Regional Commission



## UDA Boundaries as of February 2019

-  Berryville
-  Frederick County UDA
-  Luray Town
-  New Market Town-Eastern New Market UDA
-  New Market Town-Northern New Market UDA
-  New Market Town-Southern New Market UDA
-  Page County-Judy Lane
-  Page County-Luray Landing
-  Page County-Main St / Bosley
-  Page County-Ramsey
-  Page County-Reservoir Road / Eden Road
-  Page County-W Main St / Leaksville
-  Strasburg - Strasburg UDA
-  Warren County-Front Royal Town North
-  Warren County-Front Royal Town South
-  Warren County-Leach Run
-  Woodstock Town-Area 1
-  Woodstock Town-Area 2



# UDA NEEDS UPDATE PROCESS OVERVIEW

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- If you have or plan to have a UDA:
  - Verify UDA Contact Name and info
  - Verify UDA list
  - Verify UDA boundaries
  - Submit updated UDA boundary shapefiles (if needed)
  - Submit new UDA boundary shapefiles
  - Complete UDA Needs Questionnaire

# PSI-BASED SAFETY NEEDS APPROACH

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- Historic crash data being transferred to VDOT's current linearly-referenced network
- Thresholds under review
- Desire to update to focus on “worst of the worst”
- Discussing need/desire to harmonize HSIP & SMART SCALE/VTrans measures
- CTB will approve SMART SCALE measure



## MPO PARTICIPATION TIMELINE

Date	VTrans Task	MPO Role
May-early June	Presentations to MPO's	Provide feedback at MPO meetings
May 30th	Webinar - same as presentation to MPOs	Provide feedback at MPO meetings; PDC role - profile feedback
June 14th	Webinar on UDA methodology and Instructions to Localities	Watch webinar, ask questions as needed and be able to provide assistance to UDA locality contacts as needed
Mid June		Provide feedback on needs measures and methodology
July-early August	Presentations to MPO's	Attend your area presentation



## MPO PARTICIPATION TIMELINE, CONT'D

Date	VTrans Task	MPO Role
Mid-July	Webinar - same as presentations to MPOs	Attend
Before September 1 <sup>st</sup>	Draft Mid-Term Needs will be sent out to MPO's (and made available publicly as well)	Review
September 1 <sup>st</sup> to early October	OIPI Staff will go out to MPO's to discuss the draft Mid-Term Needs	Attend
October 16 <sup>th</sup>	October CTB meeting: Present draft needs and any feedback we've heard	N/A
December 11 <sup>th</sup>	December CTB Meeting: CTB makes final approval on Vision, Goals, Objectives, measures, needs methodology, and Mid-term Needs list	N/A
Before end of 2019	OIPI will publish final approved list of Mid-Term Needs	N/A

# FEEDBACK REQUESTS CHECKLIST

- ☒ Share performance measures to be used for Needs Identification (today's meeting)
- ☐ Confirm activity centers (ongoing & July regional workshop)
- ☐ Confirm presence of UDAs and UDA contacts (ongoing with localities)



# QUESTIONS/DISCUSSION

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## OIPI Staff Contact Information:

Name	Phone	Email
Katie Schwing	804.786.2362	<a href="mailto:Kathryn.schwing@oipi.virginia.gov">Kathryn.schwing@oipi.virginia.gov</a>



Sign up for updates on the website ([www.VTrans.org](http://www.VTrans.org))

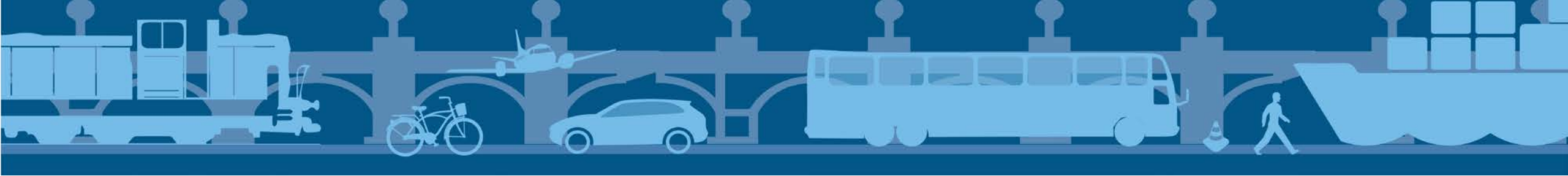


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THANK YOU!

**VTRANS**

