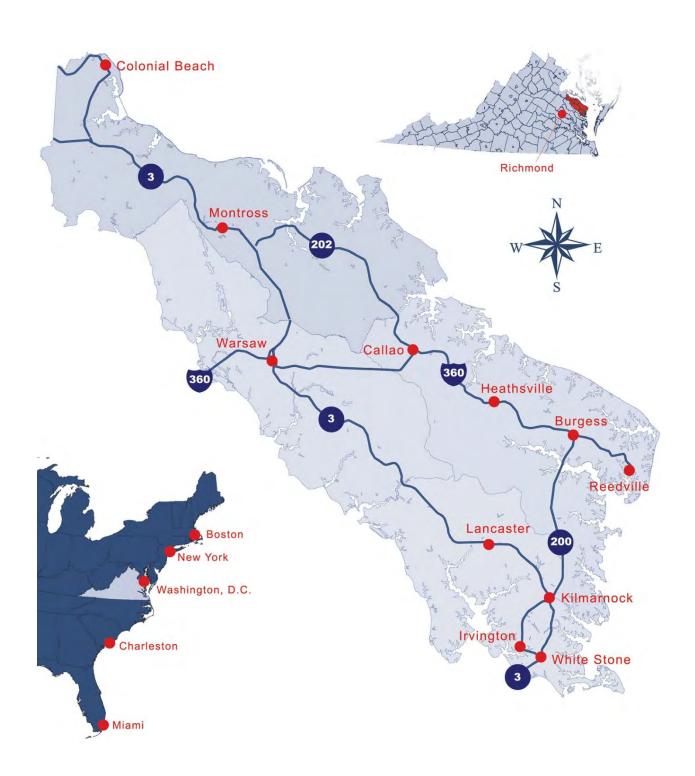
# Northern Neck Comprehensive Economic Development Strategy

2022-2027 Northern Neck Planning District Commission





# Purpose and Background Information

This Comprehensive Economic Development Strategy (CEDS) allows the Northern Neck Economic Development Planning District Commission (NNPDC) to apply for assistance from the Economic Development Administration (EDA) under the Economic Development Administration Reform Act of 1998. Economic development planning has been a key element in achieving EDA's long-term goals since the original Public Works and Economic Development Act was enacted in 1965. The Overall Economic Development Program process was what made EDA a truly effective federal/local partnership, resulting in the creation of over 320 Economic Development Districts (EDD) around the country. EDDs play a key role in local economic development. Instead of having to respond to individual requests from the over 2,000 eligible county economic development organizations around the nation, EDDs assist the EDA in establishing regional priorities for projects and investments. The EDD for the Northern Neck region is the Northern Neck Planning District Commission, which was designated an Economic Development District by the U.S. Department of Commerce, Economic Development Administration, in February 1999.

#### **Northern Neck CEDS History**

First CEDS adopted on July 17, 2000 Revised CEDS adopted on April 29, 2002 Revised CEDS adopted on September 2, 2003 Revised CEDS adopted on October 18, 2010 Revised CEDS adopted on April 22, 2013 Revised CEDS adopted on April 16, 2018

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#### This study was conducted under the auspices of the Northern Neck Planning District Commission

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# **Executive Summary**

Including the Counties of Lancaster, Northumberland, Richmond, and Westmoreland, the Northern Neck Planning District Commission (NNPDC) was designated as an Economic Development District in 2000 by the United States Department of Commerce Economic Development Administration and is responsible for updating the region's Comprehensive Economic Development Strategy (CEDS).

Bounded by the Potomac River to the North, Rappahannock River to the South, and Chesapeake Bay to the East, the Northern Neck's economy traditionally was supported by agriculture, fishing, and forestry. Today, those industries are present, if transformed, to include hydroponics, aquaculture, and wood processing. In recent years, the Northern Neck's economy has become more diversified. Tourism, with supporting retail, accommodations, dining and entertainment components, is an important segment of the local economy. Additionally, the region supports businesses in marine repair and construction, precision machining, utility trailer and truss manufacturing, security training services, fiberglass pool distribution, nutrition supplement distribution, fertilizer/seed distribution, and 'last-mile' distribution.

The data gathered during the CEDS process reflects challenges in retaining and growing the workforce-age segment of the population, increasing regional educational (including workforce certifications) attainment, and increasing the number of sites and buildings available for economic development.

- Population in the NNPDC totals 50,158, a decrease of less than 1% (.54%) since the 2010 census. As the most populous county, Westmoreland County's growth almost completely offset the population decline in Richmond, Lancaster and Northumberland Counties.
- The proportion of the population that is over 65 is greater in Lancaster and Northumberland Counties than in Richmond and Westmoreland Counties. Lancaster's senior population is 36.7% of the total and Northumberland's proportion is 37.5%, both of which have increased since the 2010 census. In Richmond and Westmoreland, seniors comprise 21.1% and 26.5% of the population, respectively, which have also increased in the last 10 years. As a region, the senior proportion is 29.5% of the population. By comparison, the state's senior population as a percentage of the total is 15.9%.
- From 2015-2019, per capita incomes ranged from \$22,853 in Richmond County to \$40,062 in Lancaster County. Three Counties had per capita incomes below the state's per capita income of \$39,278. Per capita incomes fell over the last 10 years.
- The average annual wage in the Northern Neck as of 2021Q2 was \$40,319, significantly below the state average annual wage of \$64,607, and national average wage of \$64,141. The average wage in Northumberland County was \$47,170 and \$35,776 in Westmoreland County with Richmond County at \$39,737, and Lancaster County at \$40,058. Average wages have risen modestly in the region over the last 10 years.
- Median household income was highest in Northumberland County at \$62,632, which
  approaches the national median income of \$62,843. Richmond, Lancaster and
  Westmoreland Counties' median incomes are \$49,517, \$53,711, and \$53,853, respectively.
  The NNPDC's median income is \$55,470 while Virginia's median household income is
  \$74,722.

- Workforce participation rates were below 50% for all counties but Westmoreland, which has the highest employment rate in the region at 55.7%. The Northern Neck's labor participation rate fell by 6% from 2010-2020. The national percentage of the population that is employed is 63%, and Virginia's population employed is 64%.
- Educational attainment has improved as 12% of the population is without a high school degree, which is down from over 20% in the 2018 CEDS. Nationally, 10% lack a high school diploma.
- An average of 24% of the region's population has a bachelor's degree or higher, below the national average of 39%.

The following regional strategies have emerged to address the Northern Neck's challenges:

- 1) Broadband: All industries, education, training, healthcare, and quality of life are increasingly reliant on consistent and widespread broadband coverage. In 2020, a broadband partnership among Northern Neck localities, electric utilities, and a private internet service provider was formed to provide broadband internet to the unserved areas of the Northern Neck. The project has received support from the Federal Communications Commission's Rural Digital Opportunity Fund and the Virginia Telecommunications Initiative. The project is in the early phase of implementation.
- 2) Designation of the region as a National Heritage Area: Recommended in a study produced by the National Park Service in June 2020, a bill proposing National Heritage Area designation has been introduced in July 2021 in the U.S. House of Representatives and U.S. Senate. Passage of the pending legislation will increase the region's marketing reach and boost tourism.

With broadband coverage and designation as a National Heritage Area, repair and replacement of aging infrastructure, opportunities for growth will arise in the Northern Neck. Strong regional resources are available in the quality training and education offered by Rappahannock Community College, which has committed to meeting regional workforce needs. Concurrently, there are also opportunities to attract new companies to the region, as suggested by a recent report from the Virginia Economic Development Partnership.

# The 2022 Northern Neck CEDS Update

The Northern Neck is a destination for second-home owners and tourists, hosts an active aquaculture industry, features a diverse economy that includes small manufacturers and successful timber companies, and has become increasingly attractive to professionals, who are able to work remotely, and value the quality of life offered in the Northern Neck with little traffic congestion, clean air and water, and low population density.

With all these positive quality of life fundamentals making the Northern Neck attractive to travelers and businesses alike, the following areas of concern need to be addressed to maintain and grow the regional economy:

- populations are projected to grow only slightly in Westmoreland County and Richmond County
- median incomes are lower than state and national figures
- poverty levels have increased
- limited water, commercial sites, infrastructure, and skilled labor have set constraints on the region's economy

#### **POPULATION**

Since the 2010 census, **population has declined** in Lancaster, Northumberland, and Richmond Counties and **grown by almost 6%** in Westmoreland County. The Northern Neck's median age is 53, and Lancaster and Northumberland Counties have seen their median ages rise to nearly 60 years old.

#### Population in NNPDC, by County (1990-2020)

	Lancaster	Northumberland	Richmond	Westmoreland	NNPDC
1990 Census	10896	10524	7273	15840	44533
2000 Census	11567	12259	8809	16718	49353
2010 Census	11391	12330	9254	17454	50429
2020 Census	10919	11839	8923	18477	50158
% of change (2010-2020)	-4.14%	-3.98%	-3.58%	5.86%	-0.54%
Regional % of change (over 10 years)			-1.46%		
Virginia % of change (2010-2020)			7.9%		
U.S. % of change (2010-2020)			7.4%		

https://www.census.gov

#### INCOME

**Median household income is behind the state level** in all four counties, but in Northumberland the median income approaches the national level.

#### Median Household Income (2015-2019)

Lancaster	Northumberland	Richmond	Westmoreland	NNPDC	Virginia	US
\$53,711.00	\$62,632.00	\$49,517.00	\$53,853.00	\$54,928	\$74,222	\$62,843
https://www	v.census.gov					

#### **EMPLOYMENT**

The **proportion of the population employed is below 50% for the region**, significantly below the state and national rates. Low employment rates correlate to higher population age in Lancaster and Northumberland County, and are attributed to the incarcerated population in Richmond County at the Haynesville Correctional Facility that houses approximately 1,141 inmates.

**Labor Force Participation (2015-2019)** 

				( )			
	Lancaster	Northumberland	Richmond	Westmoreland	<b>NNPDC</b>	Virginia	US
In civilian							
labor force,							
total, percent							
of population							
age 16							
years+	47.70%	47.50%	44.80%	55.70%	48.93%	64.10%	63.00%
https://www	census.gov						

#### **POVERTY**

The poverty rates are in double digits for every county, ranging from 12.8% of the population in Northumberland County to 17.8% in Richmond County, averaging 15% for the region. Again, the high rate of poverty in Richmond County correlates to the low workforce participation rate, and high percentage of the population incarcerated (13%).

#### **Persons in Poverty (2015-2019)**

Lancaster	Northumberland	Richmond	Westmoreland	NNPDC	Virginia	US
12.7%	13.3%	17.8%	15.9%	14.9%	9.9%	11.4%

https://www.census.gov/

# **Employment by Occupations**

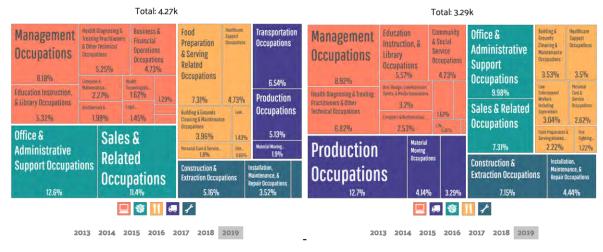
#### **Northumberland County**

#### **Westmoreland County**



#### **Lancaster County**

#### **Richmond County**



Data above is all drawn from Datausa.io; a product of Deloitte

Additional Information on Demographic and Economic Data for all four counties can be found in the Appendices to this Report.

# Northern Neck SWOT (Strengths, Weaknesses, Opportunities, and Threats)

#### Helpful

#### Harmful

#### Strengths

- Quality of life
- Natural beauty
- History
- Boat building hub
- Water-based resources and agricultural-based assets, such as new or unique crops and products
- Tourism (Ecotourism, Wine Trail, water sports)
- Local seafood
- Specialty foods made locally
- Geographic proximity to DC, Richmond, and Tidewater

#### Internal

- Influx of new residents as an effect of the pandemic
- Rappahannock Community College
- Northern Neck Technical Center and Governor's STEM Academy for Agriculture and Maritime Studies
- Effective Workforce Development Board
- Broadband about to expand to cover the region
- Strong regional organization (NNPDC)
- Thriving small towns with dining and retail
- Unique lodging, including a resort and bed & breakfasts
- National Heritage Area Designation progress
- Active Enterprise Zone Program

#### Weaknesses

- Infrastructure highway & bridges aging, failing, and/or in disrepair
- Regional workforce needs to grow and to continue expanding skills
- Limited public transit
- Affordable housing commute for most workers is 40-45 minutes
- Water access Few places to access the water
- Few restaurants or shops on the water
- Public school system needs upgrade
- Exodus of youth
- In-migration of senior citizens and retirees, but not enough workforceaged people
- Manufacturing base is small
- Low industrial building/site inventory
- More services could be added, such as shopping, healthcare facilities, lodging

#### Helpful

#### **Opportunities**

- Remote Work/Work from Home will create proximity to distant metro areas
- Enhanced communications will create increase in demand-driven training
- Attract & retain workers
- Expanded Tourism Marketing to more distant and new markets to boost tourism
- Develop more opportunities for Adventure Sports/Outdoor activities (e.g., zip lines)
- Enhanced recreation at Belle Isle and Westmoreland State Parks (awareness, programming); the new Compass Entertainment Complex; development of the Tri-Way Trail)

#### External

- Specialty/Niche Tourism sport fishing, ecotourism, arts/culture, history
- Proximity to Dahlgren Naval Base with small business opportunities
- Mentoring and other input from new resident retirees with business experience
- Specialty agriculture/farming showcase farms; value-added products (not just raw materials); specialty foods made locally
- Boat building/restoration & repair/storage
- Grow County economic development staff
- Digital Marketplace for local products
- Boost entrepreneurship (Incubator, co-

#### Harmful

#### **Threats**

- Decline of water availability and quality due to levels declining and salinity rising
- Aging septic systems
- Frequent flooding
- Reliance on seasonal agricultural workers
- Need more food processing facilities
- Protecting legacy of the "Working Waterfront"
- Shortage of hotel rooms and the inability to handle bus tours
- Environmental regulation
- Competition between commercial fishing industry & sports fishing
- Health Care lack of specialty care for older residents causes an exodus to areas with more comprehensive health care
- Reduced sales tax capture folks working elsewhere do most of their transactions (groceries, financial, etc.) outside the county
- Location makes the Northern Neck communities susceptible to natural disasters and hazards

working space)

- Business assistance, such as SCORE
- Small business training in social media, website development, ecommerce, marketing, design
- Attracting additional companies in industries like Engineered Wood Products and Warehousing/Logistics
- Affordable housing for teachers and working class; more multi-family residences closer to or in town
- Enhanced capacity of the Northern Neck Loan Program, and town revolving loan programs
- VA Clean Economy Act of 2000 solar farms, "Solar for Schools" program, renewable energy training
- Guide to starting a business easy and user friendly
- HUBZone designation for all counties until 12/31/2023

# **Analysis: Opportunities and Threats**

While there are a number of opportunities that are worth pursuing, several stand out for prioritization.

#### Remote Work

An outgrowth of the pandemic is the rising **popularity of remote work**. For twenty years, the growth of relatively remote communities has been spurred by entrepreneurs escaping from the big cities to run their businesses via computer and cell phone. As this way of doing business gains traction among more companies large and small, the opportunities expand exponentially for workers in more rural communities that may have low visibility but offer a high quality of life. These communities have seen an influx of people and businesses who find they can function effectively in beautiful places, far from the hustle and bustle of big cities.

The Northern Neck boasts a natural beauty, quality of life and a palpable warmth that has attracted people from all over the east coast both before, and especially during the pandemic. The Northern Neck's remote work/unique value proposition is the combination of its mid-Atlantic waterfront location and its relatively close proximity to Washington, DC, Richmond and Norfolk, now soon to be

augmented by an increasing quality and availability of broadband. These factors create a competitive advantage for the region.

Expanding options for remote work influence the local economic environment via the ability to attract more businesses who are now comfortable conducting their affairs online, and the ability to offer remote workers an expanded area in which they can settle in the region. This evolution in doing business is attractive to workers and offers an expanded palette of job opportunities for those already living in the region. This may encourage more young people to remain in the Northern Neck after graduating from school and may bring back former residents and alumni to raise their families in the region they once called home. It also reduces the potential disadvantages to newly locating workers and families, who now may be able to keep their jobs or find new ones anywhere in the world.

#### **Workforce Development**

#### Workforce Limitations

There exists a double opportunity/threat posed by **limitations on available workforce**. Three out of every four businesses interviewed noted that a lack of skilled workers was a major constraint to their growth. Companies in various industries such as timber, manufacturing, tourism, and aquaculture were ready to expand, but were unable to find a sufficient workforce.

Respondents shared one of two schools of thought in this regard: some felt that there was just a scarcity of people with the skills needed in their industry, while others observed a shortage of workforce in general. With populations that are relatively stagnant or shrinking, the challenge is to enhance the skills of the existing workforce to meet the needs of local employers.

Business owners and managers cited a lack of people with the skills to run sawmill saws, work on diesel engines, or a lack of basic computer skills. As part of a companion project that reviewed the workforce pipeline, numerous interviews were conducted with Rappahannock Community College (RCC) leaders, other trainers, workforce development officials and employers. Positions requiring a variety of skill sets were identified as needed but largely unfilled at businesses in the region. However, most of those skills were included in the course curricula at RCC. It became apparent that by increasing communication between employers and trainers, the existing workforce in the area could be optimized. Recently, several new approaches were initiated to increase coordination and cooperation between employers with available jobs and workforce training professionals. These efforts should be helpful in preparing young workers for real jobs, as well as for reskilling or upskilling workers who lost their jobs during the pandemic.

However, increasing communication and improving training opportunities will likely not be enough to satisfy the needs of frustrated business owners who feel that the workforce will still be too small to meet their needs. To retain, expand and attract businesses to the Northern Neck, it will be essential to create and implement a strong strategy to attract new people to the region and to reclaim workers who left the region.

Workforce, despite the current shortages, is also a topic loaded with possibilities. Remote work may offer new opportunities for high paying jobs from outside the region to be available to Northern Neck working residents and could sweeten the "quality of life" incentive, drawing more workers and their families to the Northern Neck. However, there is much more that can be done to optimize the existing workforce while ensuring that employer needs are met.

#### The Role of Workforce Education and Training

The existence of multiple locations for Rappahannock Community College at sites in Gloucester, Richmond, Lancaster, King George, and New Kent Counties presents a tremendous resource for economic development. The college offers programs that address needs in the manufacturing, aquaculture, timber, tourism, and other industries native to the Northern Neck, and is in the process of diversifying its course offerings. Addressing the issue of skilled worker shortages more effectively will create an opportunity to fuel growth in the regional economy.

#### The Role of Communication

There is a high level of commitment by RCC to meeting community needs and serving the employers of the region, with whom gainful employment could be found for RCC graduates. Most encouraging is the fact that every employer interviewed who had any experience working with RCC gave the college very high marks in meeting their employment needs. What seemed most limiting to RCC's ability to train students for jobs in the region appeared to be a **lack of ongoing communication with employers regarding their needs**. Many employers did not realize that the college was already training students in the job skills they needed to hire and maintain their workforce. No blame was placed either on the college or on the employers, but clearly, there is a need to promote closer and more routine communication between trainers and employers. Where appropriate training exists, employers may find real prospects for hiring and where that training might not yet exist, the leaders of RCC are eager to find ways to meet the needs of those employers, as feasible.

The Bay Consortium Workforce Development Board, which serves as the regional Workforce Development Board (WDB), working in conjunction with the Northern Neck Planning District Commission (NNPDC) has recently taken on two ways of bringing employers and trainers (including RCC) together. The WDB has a monthly Business Services meeting that is well attended by RCC and other training groups in the region and has launched a campaign to attract employers to attend to hear what is available, and to make their needs more widely known.

This monthly venue has been supplemented by a series of industry roundtables conducted this past Spring and early Summer, hosted by the WDB, and co-hosted by the NNPDC. Each roundtable featured presentations by local employers, followed by discussion with RCC representatives and economic developers. In-person/Zoom hybrid industry roundtables were held for tourism, aquaculture/agriculture, marine industries/marinas, healthcare, technology firms, and manufacturing. The dialog was most enlightening and several of the attending businesses are already collaborating more closely with RCC.

#### List of Key Industries in the Northern Neck/need for skilled workers

Aquaculture

- Agriculture
- Marina Management
- Manufacturing
- Timber and Wood Products
- Tourism and Hospitality
- Construction Trades
- Nursing
- Food Processing
- IT and Cybersecurity
- Research and Development
- CDL

(list developed from interviews, surveys, census data, group meetings on site)

We predict that **matching of trained workers with employers' needs will ramp up soon** and, as RCC graduates find employment, word will spread that relevant coursework can help individuals find a good job. In the past, the lack of an obvious close connection between training and employment has sometimes led to needed courses failing to generate sufficient enrollment to continue offering them. By creating more awareness, there is an opportunity to optimize workforce resources, help employers thrive and grow, and attract more young people back into the region's workforce.

That brings us to the other aspect of workforce challenges: the lack of enough people of working age to build an adequate workforce to meet business needs.

#### Workforce Growth

The quality of life in the Northern Neck currently attracts those who want to relocate from area cities to the region. In addition, the Northern Neck needs more working age people to fill the workforce gaps and reduce the average age of the overall population. The region has a rich offering for families and workers, but it will require an aggressive promotional effort to get the word out and to incentivize workers to relocate to the region. One idea would be to model a campaign like what has been accomplished in other small communities all over the country; creating and implementing a regional "come back home" campaign targeting emigrating young people. Incentives such as cash payments, payment of moving costs, assistance with finding and purchasing homes and help with finding jobs for spouses may be considered to help encourage this return home.

It will be important for the Northern Neck to find ways to retain and attract workers to supplement the workforce numbers. Once again, this can be turned into an opportunity if action is taken. The growth of local firms, their willingness to train and promote workers and the lure of rejoining family and friends can be a strong pull for former residents, as well as an attractive package. However, it is important for the Northern Neck to expand its available workforce if businesses are to grow and remain viable in the region.

#### **Hazard Mitigation**

One possible deterrent to people locating or relocating to the Northern Neck could be the susceptibility of a region surrounded on three sides by water to flooding and other natural disasters. The Northern Neck Hazard Mitigation Plan, updated in 2017, listed several natural threats, mostly tied to water. These included flooding, as well as hurricanes, tornadoes, coastal erosion, winter storms, drought, wildfires, and earthquakes.

In their revised plan for 2017-2020, the federal emergency management agency (FEMA) and the Virginia Department of Emergency Management, recommended several approaches to ameliorate the impact of these natural threats, including land acquisition, floodplain protection, watershed management, beach and dune preservation, riparian buffers, forest and vegetation management, erosion and sediment control, wetland preservation and restoration, habitat preservation, slope stabilization and protection of historic and archaeological sites.

The report cited the importance of the Northern Neck's assets to industry and tourism, suggesting an aggressive program of education, infrastructure development and hazard awareness.

#### Tourism

Tourism has been an important contributor to the regional economy and continues to be an area with great potential. Unfortunately, this industry, while stable, has also been relatively flat. With the natural and human resources available in the Northern Neck, prior to the pandemic, travel and tourism seemed likely to have been growing. However, the industry, which includes accommodations, recreation, and food services, has shown minimal growth in the three years leading up to the COVID-19 crisis. It has also lagged behind state growth data in tourism-related expenditures, payroll, employment, taxes collected and the overall number of tourism-related businesses.

This data did not surprise most of the tourism industry people who were interviewed, and they almost unanimously believe that there is room for improvement. Factors that may be limiting optimization of this essential industry include shortages of workers, somewhat limited access to the region, relatively scarce access to the waterfront, a shortage of available accommodations, and relatively little budget for regional marketing.

In the Regional Tourism Plan 2019 to 2023 provided by the Northern Neck Tourism Commission, visits by tourists and travelers proved to be a popular and viable way to grow the local economy. It was found that tourists tend to come to the region more than once per year, roughly half have six figure incomes, and they tend to prefer extended stays.

However, more product development and marketing are cited as necessary to optimize this resource. More hotel rooms were cited as a need, as were the need for a consistent brand, regional cooperation, more water access infrastructure upgrades and more marketing dollars spent on tourism.

The region is looking to the development of Longwood Hull Springs as a destination that could accommodate groups in a small meetings setting and provide a location for a commercial kitchen

and culinary arts training. Expanding the footprint of a 4-year university in the region will stimulate research crosswalks between K-12 students, especially the Chesapeake Bay Governor's School, and generate local internships in marine and environmental studies.

#### Water Access

Given that the Northern Neck is surrounded by water (Chesapeake Bay, and the Potomac and Rappahannock Rivers), lack of public access to the water is driven by private waterfront acquisition for homes, and steadily rising prices of waterfront property. The counties should be encouraged to increase and enhance public waterfront amenities, as 47% of residents see public water access as one of the area's 'Most-Needed Outdoor Recreation Opportunities', according to the 2018 Virginia Outdoors Plan. The NNPDC has joined with other coastal PDCs in an effort to promote water trails around the Chesapeake Bay and its tributaries for paddling through a website: *virginiawatertrails.org.* 

#### National Heritage Area Designation

One reason for optimism about recovery and growth for tourism in the region is the recent Congressional action on designating the region as a **National Heritage Area**. In June, companion bills were introduced in the House and Senate that would finalize the designation of the Northern Neck as the Northern Neck National Heritage Area and would be a major asset to the region. Prospects are good for passage in both houses, with bipartisan support at the point of introduction. A feasibility study conducted by the National Park Service qualified the region as a national heritage site; Congressional passage is the last step in the process.

According to a press release dated June 24, 2021, Senator Mark R. Warner announced that the Northern Neck National Heritage Area Act "...would deliver critical federal dollars, encourage public-private partnerships and assign...The Northern Neck Tourism Commission...to help protect the Northern Neck's natural, cultural, scenic, and recreational resources."

The counties included in this designation would be Westmoreland, Richmond, Northumberland, and Lancaster counties along with King George County. Given its beauty and historic importance, the Northern Neck should be able to showcase its assets and "...bring visitors and economic development..." to the region. The opportunity to expand the influx of visitors to the Northern Neck and to support the growth and numbers of tourist accommodations in the area could be enormous.

The effort to attain this designation has been twenty years in the making.

#### Aquaculture/Agriculture

Another key industry to the Northern Neck, **aquaculture**, **also has opportunities to grow** if certain factors can be addressed. The industry, which includes busy oyster beds that provide a major source of oysters throughout the region and beyond, a successful large manufacturer of fish proteins, commercial fishing, thriving marinas, and more, has been somewhat limited by various constraints, including limitations on shipping due to a scarcity of refrigerated truck companies, reliance on temporary workers from outside the region and a shortage of food processing and cold storage facilities.

Aquaculture and agriculture offer opportunities for economic growth in the Northern Neck. The widespread presence of these industries and the varied nature of products available make them candidates for expansion. A food hub, refrigerated trucks for delivery to markets, a food incubator, more cold storage and improvements to roads and bridges to ease deliveries outside the region, a community commercial kitchen and a food coop are all suggested opportunities to grow in the area of aqua/agribusiness. Aquaculture needs more trained workers and both industries rely heavily on temporary workers from outside the country. Training and higher wages could be helpful in growing both of these important local industries.

#### Construction and Manufacturing

Construction has experienced greatly increased demand thanks to people relocating during the pandemic. However, the industry has been held back by a lack of skilled workers and the number of affordable tools for young apprentices. Manufacturing, which features several medium sized and growing companies, could expand if it could access more skilled workers, who might be more attracted to the region if there was more availability of affordable housing. Ironically, the very boom in retirees coming to the Northern Neck has further boosted housing prices, meaning that for many workers there are fewer and fewer attractive single-family homes or multi-family developments.

Challenges to economic stability and growth are headlined by the limited and dwindling water supply, the shortage of skilled labor, the lack of shovel ready business parks and relatively little direct assistance available to local businesses.

#### Water Supply

Clearly, several of the region's most frustrating constraints can be turned into opportunities. For example, the declining water supply can be supplemented by exploring alternatives to groundwater. Alternatives could include reverse osmosis desalinization, or the use of harvested rainwater for both cooling and potable water. Harvested rainwater is one of the oldest technologies for non-potable water, although the technology has advanced to make the process more cost-efficient. Untreated rainwater can be used as "gray" water in effect, which can be used for non-potable purposes such as cooling servers in a datacenter.

A big change has come in the advances for various filters and the use of UV lights to sanitize the water. State health authorities are beginning to clear harvested rainwater for uses beyond toilets and washing machines; now cleared for use in Virginia as potable water in homes and commercial entities. Homes are being built using rainwater as a primary source of water, with cisterns being set up to hold reserves in case of drought. The use of harvested rainwater for drinking water, only permitted in Virginia in the last 3-4 years, has cleared a major hurdle in making this an important source of water.

Rainwater is easily captured using a level, flat roof. Recent estimates by the Surfrider Foundation (surfrider.org) are that 620 gallons of water are generated for every 1000 square feet of rooftop or other flat collection surface base on every inch of rain that falls. Pipes carry the water forward to filtration and a cistern is built to hold emergency water. This can revolutionize a development program by allowing housing and commercial development in places that lack adequate groundwater. It also represents an entrepreneurial opportunity for those who understand the

technology and can service homebuilders and businesses in places like the Northern Neck where both residential and commercial opportunities may soon be constricted by the decline of the local aquifers. Incentives and technical assistance for such companies and entrepreneurs might help amplify available water for development and create a cluster of technology companies that could flourish in a region that represents a ready market for that technology.

[more data on rainwater harvesting is available from www.nationalpolyindustries.com, an Australian company that manufactures tanks]

Despite the growing potential for harvesting rainwater, there are further limitations that need to be addressed. A report funded by the local governments and the Virginia Department of Environmental Quality issued in September 2009 had already expressed concerns about the status of the regional water supply. The report cited the fact that most local use of water was limited to groundwater and noted that large amounts of rainwater are trapped by vegetation in the region and evaporate. Thus, considerably more flat rooftops would have to be constructed to capture more rainwater.

Given the fact that a handful of large users are reducing the level of the aquifers in the region and that salinity is a creeping challenge, alternate sources of water, especially potable water, need to be sought. However, the report also warns that adjusting to create more potable water can also upset the ecological balance and create challenges to the local salt waters that support local fishermen and food processing plants. The report suggests that all economic development projects consider the water demands that will be generated by those projects.

#### **Small Business Support**

Direct assistance to small businesses in general could only help amplify the impact these companies have on the regional economy. The region has a short supply of resources that can provide direct help to businesses with operations, marketing, finances, HR issues, digital transformation, and other routine operations. The four counties lack the resources to hire full time economic development staff or to build departments or mount major business support programs. University of Mary Washington hosts a Small Business Development Center (SBDC), which serves Northern Neck businesses, and has instituted entrepreneurship programming in the high schools. The SBDC offers business counseling and assistance with development of business plans. Rappahannock Community College has several business and management courses that could be helpful, but small business owners are busy trying to stay alive and grow their companies, which has become even harder, given the impact of the pandemic and the labor shortages that have followed. The Northern Neck Loan Program is active and recapitalized as of July 2021 and offers low interest loans to local small businesses (northernneck.us/access-to-capital).

#### **Business Parks and Commercial Property Development**

The ability to grow the economic base is also limited by the **shortage of "shovel ready" business parks and commercial properties.** The NNPDC has identified some potential sites, and if adequate infrastructure is either present or can be provided, the Northern Neck has an opportunity to attract companies in light manufacturing, warehousing and distribution, food processing, wood products, travel services, and possibly datacenters. This ability to amplify and diversify the business

community can provide and attract more resources, more workers, more capital, and more financial resources for the communities.

It is suggested that the Northern Neck seek grant funding to assess selected sites as to the infrastructure, utilities and financing needed to locate new and expanding businesses. Then, to accompany that study, a branding and marketing campaign could be developed that would target appropriate industries to locate in the Northern Neck. This is another opportunity to turn a challenge into a benefit.

**Transportation limitations** are cited as one of the infrastructure deficiencies that may be holding back development in the region. Narrow roads and bridges in need of repair make it harder for companies to ship products to market, receive supplies and attract workers. One of the main roadways that connects both ends of the region, State Route 3, is narrow and slow to traverse in spots. Proposals to widen the road to four lanes all the way to the Norris Bridge were deemed too expensive by VDOT, but the addition of more passing lanes in busy stretches of the highway may provide some relief.

Moreover, at least one of the three main bridges needs shoring up in the short run and replacement in the long run.

Some of these findings were already cited in a 2014 report focusing on Route 3, the Northern Neck Corridor Impact Study, conducted by the Virginia Department of Transportation. Interestingly, the report also cites the increasingly older nature of the regional population. With people over 65 already higher than the State average, and many of the new people coming in being retirees, not workers.

#### Broadband

**Broadband**, which was a major inhibitor of economic growth has, with the award of a grant from the State, become an opportunity for fostering growth and development. A unique partnership between the State, Dominion Energy Virginia, All Points Broadband and Northern Neck Electric Cooperative will move on the first phase of this ambitious project. It is expected that the first phase will bring fiber-optic broadband access to roughly 7,200 currently unserved households and businesses in the Northern Neck.

This first phase will take advantage of a \$10 million grant from the State, augmented by federal and local funds plus private investment, to deliver internet access to the balance of unserved locations in the Northern Neck, including King George County.

Without universal broadband/high speed internet, companies cannot expand, will not locate and employees will not want to live in the Northern Neck. The new funding is expected to allow the Northern Neck communities to address the need for universal broadband throughout the region. The current plan will facilitate the established goal of universal coverage for the entire Northern Neck, which, when achieved, should be well-publicized and leveraged to market the Northern Neck as a 'remote work' location.

#### Entrepreneurship

**Entrepreneurship** is a viable avenue for the Northern Neck to pursue. The ability to generate new businesses is a sound component of a healthy local economy and the region has several industries that hold potential for doing so. In aquaculture, agriculture, timber, manufacturing, construction, healthcare, personal services and tourism, the region boasts several industries where upward mobility for the workforce could include opportunities for spinoff companies.

When a community puts a premium on entrepreneurship and innovation it can serve to keep some of the young entrepreneurs in the region and offer a career path that they might not otherwise have considered. The time is right, in that RCC is looking to include basic entrepreneurship into some of their courses on particular industries and occupations. In addition, a key source of funding for economic development projects and programs in Virginia, GO VA, has made entrepreneurship an important part of the program, helping to seed entrepreneurship ecosystems statewide and in the sub-regions.

Communities also find that creating a supportive environment for entrepreneurship can work as a powerful incentive for attracting new industry. The college offers a fine place to start, in terms of its ability to reach young people, and existing courses that can accommodate at least an introduction to entrepreneurship. However, the Northern Neck and its member counties should also consider supporting other ways of spurring entrepreneurship such as creating/facilitating co-working centers and incubator/accelerators. GO VA funding could be sought by the NNPDC, individual counties and RCC to augment resources that can encourage and support new business startups.

#### Military Procurement Opportunities

The proximity to **Dahlgren Naval Base** also offers opportunities for companies in the Northern Neck. The Naval Surface Warfare Center, Dahlgren Division has played an increasingly important role in development of vehicles central to U.S. Naval operations. There are numerous contract awards and set asides for technical firms that meet the criteria for federal small business set asides. The NNPDC works and meets with Dahlgren on a regular basis, but there are always more opportunities to tune local firms into business available on the base. The designation of all the counties in the Northern Neck as HUBZones until 12/31/2023 supports this opportunity.

#### **Attracting Additional Companies**

Given the strong appeal of the quality of life, the access to major population centers and urban markets, the presence of Rappahannock Community College and the health of local towns, the Northern Neck does have appeal as a magnet to attract industry. Local businesses are largely happy with their environment and the NNPDC serves as an effective regional development facilitator, which sets the stage for successful business attraction.

A recent study commissioned by the Virginia Economic Development Partnership and conducted by Boston Consulting Group (BCG) identified prospects at the "sub-industry" level that may be interested in various regions of Virginia. The BCG report focused on several opportunities to attract investment in the Northern Neck region, with the two most likely being Warehousing/Logistics and Engineered Wood Products. They cited access to transportation, available sites, and a ready

workforce as important factors in attracting these industries to a region. The Northern Neck has potential sites in both Richmond County and Westmoreland County and does have access to various modes of transportation. However, for the Northern Neck to truly reach its full potential in gaining ground in these industries, it must address current challenges in meeting workforce needs and it will need improvement of at least one corridor, namely Route 3 and the Norris Bridge. In general, a variety of infrastructure improvements will mean more shovel ready sites, with available water and sewer among the top priorities. With that in mind, Engineered Wood Products can expand, building upon the supply of lumber and the availability of sawmills, warehouses can most likely be added, and the other two industries identified in the report, plant-based food and offshore vessels, would likely grow.

# **Potential Projects**

The ideas/requests raised by stakeholders in interviews and online surveys are listed below.

#### Infrastructure

- Broadband service expansion universal coverage, reliability, affordability
- Waterfront infrastructure more access at different points along the river, transient docks, shoreline protection measures to protect waterfront property
- Dredging projects that will preserve the navigability of waterways
- Both municipal, community and private water and wastewater improvements and expansion multiple locations
- · Stormwater management systems in areas that experience frequent flooding
- Bridge widening (one bridge is owned by MD and the other two are maintained by VDOT; Norris needs repair and maintenance; replacement planned in 2038)
- Road widening in certain locations (VDOT) especially Route 3
- Industrial Park development to create more business-ready sites with infrastructure
- Address water constraints
- Attract an urgent care facility to the upper region of the Northern Neck (Westmoreland County) which has no emergency room within 30 miles.
- Add electric vehicle charging stations to the region to accommodate accelerating EV adoption by both visitors and residents.

#### Business Attraction/Retention, Entrepreneurship Development

- Business attraction and development: hotels, service businesses including medical specialties, more resident-focused shopping for items such as apparel, delivery services, ride sharing, waterfront businesses to provide more activities for tourists and residents
- Incentivize water treatment facilities (reverse osmosis; entice rainwater harvesting businesses
- Small business retention program, incorporating business training in basics of running a business, e-commerce, marketing, finance, networking and provide problem solving support
- Mentoring program for entrepreneurs form a SCORE chapter or similar entity
- Creative financing options for small businesses, such as the Revolving Loan Fund, which is capitalized at \$125,000.
- Co-working spaces, particularly for those that do not have universal broadband. One proposal
  was written by citizens that would like to place such a facility in Lively
- Encourage small businesses to do more business with Dahlgren Naval Base

#### **Tourism Development**

- National Heritage Area Designation needs to be marketed once it becomes final
- Wayfinding signs
- More marketing of the region to tourists in multiple markets (will require greater budget than is currently available)
- Develop themed driving tours, more packages such as multiple winery tours, heritage tours, sports and nature tours. Tourism development opportunities for Adventure Sports/Outdoor activities (e.g., zip lines, horseback riding, bike trails, water sports), enhanced recreation of underutilized sites (Belle Isle State Park underutilized (awareness, programming); the new Compass Entertainment Complex; development of the Tri-Way Trail
- Specialty/Niche marketing sport fishing, ecotourism, arts/culture, special events during shoulder and off season
- Expand capacity for lodging for small conferences and meetings, where groups can meet, dine, and stay in one location, preferably on the water.

#### Fishing/Farming/Agriculture Development

- Certified commercial kitchen that can offer shared facilities, equipment to create value-added products, food incubator support services
- USDA Meat Processing Plant/Mobile Unit
- Working waterfront improvements
- Agritourism initiative featuring collaboration among sites, festivals and activities, promotion, "how to" support, training with examples from other successful destinations such as Shenandoah

#### Housing

- Housing study to determine needs and locations that address workforce affordability, as well
  as impacts of influx of new residents and growing practice of vacation homes/rentals
- More housing development, particularly for multi-family affordable housing

#### **Workforce Development**

- Marketing to attract new residents of working age, families
- Youth employment program to address work readiness (as a best practice, see Georgia's Work Ready Certification) – training in work ethics, responsibilities of employees/employers, basic finance, resume writing, interviewing skills, etiquette and good customer service
- Teacher retention initiative to help improve education overall, holistic approach
- Public transportation expansion to support workforce needs

- Support for cross-communications to connect businesses with training providers
- More online training programs, especially for trades
- Construction worker shortage address various issues such as trades training, use of shared tools and equipment

# Goals and Objectives (Strategic Direction/Action Plan)

When evaluating & prioritizing potential projects, it may be helpful to utilize the CEDS Evaluation Criteria for Northern Neck found in the Appendix.

# **Category: Infrastructure**

Project	Goal	Objective	Evaluation Criteria
Site Readiness	To provide adequate infrastructure to support business growth and new locations	Identify at least two new sites for economic development and bring at least one to shovel ready status	One new site shovel ready with defined industry target to be pursued
Waterfront	Expand access for boaters, recreational fishing	open at least four new waterfront access openings	Open for use at least 4 new waterfront access areas along the waterfront
Expand and modernize sewer/wastewater management system	To provide at least one major new and one major repaired sewage system	Monitor improvement in sewer/wastewater system	Before and after measure of wastewater system particulates
Stormwater Management	To improve stormwater management and reduce damage from flooding	add at least one improvement to the stormwater management system	set measurement and benchmark for degree of flooding reduction
Bridge repair and widening	More dependable, free flowing traffic for travelers, workers, shipping	Get VDOT to invest in roads and bridges to the Northern Neck (widen Rte 3; Norris Bridge in Lancaster needs maintenance, and ultimately, replacement)	Repair/replace the Norris Bridge most and widen/improve state Rte 3
Industrial/Business Park	Get best site shovel ready to attract investment	Address infrastructure issues	Site ready to be promoted for new investment

# Category: Business Attraction, Retention/Expansion/New Startups

Project	Goal	Objective	Evaluation Criteria
Attract tourism venues	Expand on tourism activities and accommodations	Develop the product and raise outreach/marketing	Measure tourism expenditures, jobs, tax revenues generated
Retention Program/Small Business Assistance	Build capacity of small businesses to handle operations, marketing sales with direct business assistance	Enhance the viability and profitability of small local businesses	Sales and tax receipts for local businesses
Attract new businesses to the Northern Neck	Expand the local business community through enhanced marketing, incentives, infrastructure development	Build the tax base; create quality jobs	Growth in commercial tax base, jobs added, impacts on local businesses
Expand the water supply	Avoid shortages and constraints on development	Attract firms who can offer alternatives to groundwater: e.g., desalinization, rainwater harvesting	Number of firms attracted, new technologies utilized, increase in water supply
Expand Assistance for entrepreneurs	Help grow more businesses	Create business incubator, mentoring program, SCORE Chapter	Number of small business startups; survival rate of new firms
Expand options for small business financing	Create Programs to make affordable loans to smaller firms	Make financing available that is affordable, quick and uncomplicated; crate revolving loan fund, possibly with bank participation (done)	Number small business loans made; survival rate of assisted businesses
Encourage more business startups	More business "births" in NN	Make financing, incentives available for startups; launch co-working and/or incubator facility	Number of new business startups
Capture more business from Dahlgren Naval Base	More contracts for local firms	Take advantage of small business set asides	Gauge value of business generated by Dahlgren

# Category: Tourism

Project	Goal	Objective	Evaluation Criteria
Northern Neck National Heritage Area	Make optimal use of new designation	Market to attract tourists	Measure increase in tourist visits
Add more wayfinding signs	Increase tourism	Help make it easier for tourists to find destinations	Measure tourist visits to local destinations
More tourism marketing/Increase marketing budget	Increase tourist visits	Reach new markets; saturate current markets	Measure tourist visits; source the advertising that reached them; measure hotel occupancy
Diversify tourism attractions	Attract more tourists; enrich the tourism experience	Develop themed driving tours, more packages such as multiple winery tours, heritage tours, sports and nature tours. Tourism development opportunities for Adventure Sports/Outdoor activities (e.g., zip lines, horseback riding, bike trails, water sports), enhanced recreation of underutilized sites (Belle Isle State Park underutilized (awareness, programming); the new Compass Entertainment Complex; development of the Tri-Way Trail	Measure visits, revenues, taxes collected
Niche Marketing for specialized tourism experiences	Attract more tourists	Spend money for Niche marketing - sport fishing, ecotourism, arts/culture, special events during shoulder and off season	Measure tourist visits, hotel occupancy, taxes collected
Group lodging facility	Ability to host small meetings and conferences	Develop a location for groups to meet, dine and stay in one location, preferably on the water	Development of a facility; meetings booked

# Category: Fishing, Farming, Agriculture

Project	Goal	Objective	Evaluation Criteria
Commercial Kitchen	To encourage entrepreneurship; serve existing food companies and producers	Identify or create a commercial kitchen that can be utilized by food cooperatives, local farmers, small businesses; serve as a food business incubator	Open the commercial kitchen; spawn new businesses; increase sales by food businesses and entrepreneurs
More processing facilities, possibly to include a "mobile" facility	Provide local services to food producers; add potential markets for local agricultural businesses	Open new opportunities for food producers and increase sales	Welcome new facilities; measure processed food sales
Waterfront improvement	To make it easier for working watermen	Upgrade working waterfront facilities	Improve revenues for the watermen; jobs added

# **Category: Housing**

Project	Goal	Objective	Evaluation Criteria
Assess the need for workforce housing	Ensure that there is adequate housing for the workers that employers need (and their families)	Study the availability of affordable workforce housing and ways to fill any gaps	Review housing availability at selected prices; have more workers moved to the Northern Neck

# Category: Tax and Environmental Policy

Project	Goal	Objective	Evaluation Criteria
Use local and state incentives to attract industry	Attract more businesses	Take advantage of VA Clean Economy Act and Green Development Zone Authorization	Monitor investment in clean and green technologies

# Category: Workforce Development

Project	Goal	Objective	Evaluation Criteria
Attract more workers to the Northern Neck	Expand the workforce	Conduct marketing and develop incentives to attract new workers and bring back homegrown talent	Number of working age men and women move to or join the workforce; monitor median age of population
Undertake program to bolster readiness of the existing workforce	Help meet employer needs	Assist workers with work readiness, including training in soft skills for younger workers	Employers who are able to fill jobs; number and percentage of workers who find jobs; percentage of employed workforce
Teacher retention	Find and keep qualified teachers	Identify incentives that appeal to local teachers, including salary and benefits	Retention rate of current teachers
Conduct a study to determine public transportation options	Ensure that teachers and other local workers can get to work	Find an affordable way for the community to meet the local travel options for workers	Assess the effectiveness of new transportation options in terms of number of workers using that transportation
Improve communication between trainers and employers	Bring trainers and employers into closer communication; foster collaboration so that trainers can best meet employer needs and employers can be aware of training resources	Attain a better matchup between employers and trainers in order to optimize the utilization of current resources for supporting business growth	Monitor job openings that are getting filled; track jobs filled locally by people seeking employment
Focus on facilitating growth in key industries	To solidify their position in the Northern Neck, create jobs, leverage growth	Work with RCC and other trainers to meet training needs in industries that show potential for growth, including construction, marinas/aquaculture, light manufacturing, timber, tourism	Monitor economic indicators for core industries

## **Overview on Performance Measurement**

The previous section lists evaluation indicators that can be used to gauge the outputs and impacts that can help assess the effectiveness of each project. However, each of those measures are simply "intermediate outcomes" as they are outputs, and/or part of gauging a means to an end. The ultimate impacts of this entire strategy will, in the end, need to be measured for the impact it has on the investment leveraged, jobs created, taxes paid, median income, drops in the percentage of those living in poverty and improvement of the overall economy.

Thus, in this section we will offer suggestions of other performance measures that may be used to assess the overall performance of the CEDS strategy. The key, however, is to use patience in developing performance measurement metrics. It is important to use a timed approach to performance measurement if one is to find ways to truly assess the impact of programs.

There are three levels of measurement: outputs, intermediate outcomes and end result outcomes. The measures suggested for each individual project provide outputs and some intermediate measures, which will indicate preliminary results towards achieving the ultimate ends.

For longer term results program managers need to focus on the end results, the economic development impacts. Those ultimate outcomes for the Northern Neck strategy should include: growth in population, but especially growth in the proportion of workers, aged 18 to 55. This should also be reflected in lowering the median age of the population.

We would also look to steadying, and preferably lowering the poverty levels in the four counties. In addition, local officials should closely monitor commercial tax revenues, the number of new jobs created, median incomes and median home and property values. Visits by travelers and tourists, and their local expenditures should also be tracked.

The number of businesses locating or expanding in the Northern Neck, as well as the birthrate of new local businesses will be important indicators of strategy effectiveness.

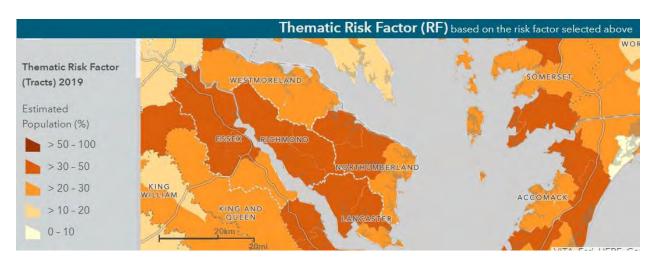
In short, rising economic activity should positively impact the economic indicators tracked by state employment commissions, state tax offices, as well as the Census Bureau, and the County Business Patterns, the Bureau of Labor Statistics and state Tourism agencies.

Suggested path: look for outputs and intermediate results by the end of the year. Outputs are defined in the section on each project. Intermediate outcomes can include rising hits on local websites, new investment prospects, rising numbers of visitors and hotel occupancy rates. Workers signing up for skills training programs and business hires should begin to rise.

## **Economic Resilience**

The US Census' 2019 Community Resilience Estimates rate counties, down to the census block level, according to their population's exposure to various risks. The risk factors from the 2019 ACS include:

- Income to Poverty Ratio
- Single or Zero Caregiver Household
- Crowding
- Communication Barrier
- Households without Full-time, Year-round Employment
- Disability
- No Health Insurance
- Age 65+
- No Vehicle Access
- No Broadband Internet Access



From the above map, the Northern Neck has over 30% of the population with at least three of the risk factors listed above. See Covid-19 impact planning reports for each county at the end of this document.

With respect to economic resiliency, the region has a head start through the work of the ODU Institute for Coastal Adaptation and Resilience. The institute developed a Coastal Virginia Small Business Resilience Self-Assessment and Guide for the RAFT ((Resilience Adaptation Feasibility Tool). The Guide articulates four basic principles that can allow businesses to assess their level of resilience and to craft a plan to increase resilience.

For self-assessment, the Guide divides the effort as having four categories to explore, including:

 Business planning including strategic planning, planning for use of E-Commerce and online sales and succession and exit planning;

- Emergency and disaster planning regarding risk and assessing their vulnerability, preparedness, continuity of operations and planning for crisis and emergencies (including communication options);
- HR and staffing, including hiring, training and retention of employees;
- Insurance and other protection for risk management, to insure, protect and secure physical assets and cybersecurity.

The Guide goes on to include a questionnaire that allows local businesses to conduct self-assessment for resiliency and to help build stronger resiliency. This ongoing support, strengthened by the RAFT program, is a tremendous resource for businesses in the region which, in turn, strengthens the regional economy in the face of future disasters.

Regarding the regional economy, the NNPDC has already taken the lead through development and regular updating of the Comprehensive Economic Development Strategy, which ensures strategic planning and regional coordination, both important to recovery and resiliency.

Nevertheless, there are issues of industry and infrastructure that will help determine the degree to which the region stabilizes, grows and prospers.

First and foremost, may be the ability of the Northern Neck to grow its tourism industry. The Northern Neck boasts several lovely and charming small towns, all of which appear healthy and active. This applies to the philosophy of "play to your strengths".

But for tourism to flourish, the region needs:

- Qualified hospitality staff for restaurants, hotels, and BNBs, all of whom are struggling now to staff their venues
- More accommodations that can handle travelers
- More entertainment venues
- More forms of tourist activities and entertainment
- More funds spent on marketing and
- An Aggressive campaign to promote the new designation as a National Heritage Area, once Congress acts on the measure

Perhaps the single most important new element in the future of the Northern Neck is the impending designation of the region as a National Heritage Area. According to the National Park Service, this can be a turning point for travel and tourism to the region, can help bolster the historic and cultural identity of the area and bring needed resources to the Northern Neck economy.

The Northern Neck Tourism Commission states:

"Under this legislation, and as approved by the NPS [National Park Service] study, the heritage area would be managed by the Northern Neck Tourism Commission, which would serve as the NHA's local coordinating entity."

The NHA goes on to state that, this legislation would also make federal funding available to the region and empower the commission to carry out an area management plan, including by:

- Protecting and restoring relevant historic sites and building
- Carrying out programs and projects that recognize, protect, and enhance important resources
- Developing recreational and educational opportunities in the area
- Establishing and maintaining interpretive exhibits and programs
- Promoting a wide range of partnerships among the federal government, state, tribal and local governments, organizations, and individuals
- Increasing public awareness and appreciation for natural, historical, scenic, and cultural resources in the area; and
- Ensuring that clear, consistent, and appropriate signs identifying points of public access and sites of interest are posted throughout the area

It would be unfair to characterize the National Historic Area designation as the only key to regional rebound and growth. However, according to the National Park Service, some of the long-term benefits of NHA activities include:

- Sustainable economic development NHAs leverage federal funds (NHAs average \$5.50 for every \$1.00 of federal investment) to create jobs, generate revenue for local governments, and sustain local communities through revitalization and heritage tourism
- Healthy environment and people Many NHAs improve water and air quality in their regions through restoration projects, and encourage people to enjoy natural and cultural sites by providing new recreational opportunities.
- Improved Quality of Life –Through new or improved amenities, unique settings, and
  educational and volunteer opportunities, NHAs improve local quality of life. Education and
  Stewardship NHAs connect communities to natural, historic, and cultural sites through
  educational activities, which promote awareness and foster interest in and stewardship of
  heritage resources.
- Community Engagement and Pride By engaging community members in heritage conservation activities, NHAs strengthen the sense of place and community pride.

And, finally, the NPS offers facts about NHAs:

 Fifty-five NHAs have been designated by Congress since 1984. Each NHA is created through individual federal law.

- NHA designation recognizes the national importance of a region's sites and history.
- Through annual Congressional appropriations, NPS passes funds to NHA entities. Although most entities are authorized to receive up to \$1 million annually over a set period of time, actual annual appropriations range from \$150,000 \$750,000.
- The financial assistance component of the program is secured with legal agreements, accountability measures, and performance requirements for NHA entities.
- NHA designation does not affect private property rights.

The region will also need a more aggressive business retention and expansion program, which means mapping out a plan and backing it up with resources.

Business Retention and Expansion would require more staff at the county and/or regional level, plus more resources for hands-on business assistance and training. This is also part of the challenge in growing and training the workforce to accommodate business current and expansion needs. There is genuine concern that without available workers, the region may even lose some of its current businesses.

This puts at a premium the ability of the Workforce Development Board, NNPDC, RCC and other trainers, including Vocational Education Programs at the public schools along with local employers, to continue to build forms of communication and collaboration that afford better matching of current workforce resources to business needs. Moreover, the Northern Neck will need to find ways to attract more workers in order to amplify the overall workforce.

The following are key issues regarding recovery and resilience that emerged from on-site and Zoom interviews with businesses, government officials, educators, community leaders and various interested parties in and around the Northern Neck. Most have been mentioned one or more times in earlier sections of this report.

"Workforce is a major factor; the region needs to market to attract workers to support the health and growth of existing businesses."

"Fishing, Aquaculture, Agriculture must grow to maintain and grow the economy. Explore creating a co-op; attract more wholesalers; explore a Food Hub; Attract or start more food processing facilities; find ways to get more food to market affordably; find a way to make more refrigerated trucks available for food delivery out of the region."

The Water Issue: "...we must address this or it will eventually shut down development in the region. NNPDC could issue an RFQ for a reverse osmosis plant; and could attract rainwater harvesting companies who would have a ready market."

"Entrepreneurship should be more proactively encouraged as a way of strengthening the business community and making the region attractive to younger workers. Attract and nurture entrepreneurs, possibly with a business incubator/accelerator; incorporate entrepreneurship into more RCC courses."

"More Opportunities for Attracting Businesses should be explored.: Datacenters, Food Processing Plants, Hotels...all could be courted with marketing and incentives. The region might possibly succeed through development of one or more business parks, and offering Incentives."

In the end, the keys to recovery and resiliency rest with partnerships, proactivity, and patience. The local counties and the NNPDC will have to work even more closely together to identify business needs and address them as best they can. These government partnerships should include the NNPDC, RCC, the Workforce Development Board, the Tourism Commission, the Virginia Economic Development Partnership, and, where appropriate, federal agencies like EDA, with its grant and loan programs; HUD, which controls CDBG along with the states, the Department of Labor, which controls the Workforce Investment and Opportunities Act resources, the United States Defense Department under which Dahlgren falls.

Proactivity means that the region cannot rest on its laurels, while a relatively stagnant economy withers. This updated CEDS relies heavily on the robust, yet still fragile industry mix to map out a path for present and future economic strength and growth. But, as the pandemic continues to challenge businesses and governments alike, the need to grow local programs and resources to provide even more support to the business community becomes increasingly compelling. Will governments in the region find a way to provide direct technical and financial support to their businesses? Will the local government find resources to provide and improve needed infrastructure? Will the business community accept the challenge of making sure that the current workforce is optimized by making sure that there is communication with educators and trainers?

The answer to these questions will help determine the future of the Northern Neck economy.

Patience will be required to turn around several years of important economic indicators flatlining or going down, including median incomes, population and percentage of the population working. At the same time, it will be a slow change waiting for other indicators to go down, such as the percentage of people below the poverty line and the average age of the population. It will take some time to see the turnaround, but gradual change is more likely to have a lasting impact. It will take time and a commitment to long-term change to start and keep the economic upswing. Yet, given all of the natural advantages of the region, coupled with the presence of first rate professionals in government, education and business, we are optimistic about what will be found by whoever conducts the next CEDS update.

#### **Appendices**

#### **Basic Report Outline**

- Executive Summary (Summary Background): A summary background of the economic development conditions of the region.
- Analysis of Challenges and Opportunities (SWOT): An in-depth analysis of regional strengths, weaknesses, opportunities, and threats.
- Goals and Objectives (Strategic Direction/Action Plan): Strategic direction and an action plan (flowing from the SWOT analysis) which should be consistent with other relevant State/Regional/Local plans.
- Evaluation Framework: Performance measures used to evaluate the organization's implementation of the CEDS and its impact on the regional economy.
- Economic Resilience (https://www.eda.gov/ceds/content/economic-resilience.htm)
- Appendices (with the majority of the data, charts, tables, etc)
- Info on process, participants, surveys, interviews
- Digital CEDS (link)

#### **Process Summary**

- Project Launch Zoom with full NNPDC Team
- Series of Site Visits by GPS Team (November 2020 through September 2021)
- Collection and Analysis of Data; sources which included: U.S. Census; County Business
  Patterns, Bureau of Labor Statistics; State of Virginia Employment Commission; DATAUSA, a
  service of Deloitte; Statebook
- Conduct survey of businesses, local leaders, government and educational institutions
- Conduct one on one interviews, by Zoom, or in person
- Participate in group meetings with industry leaders
- Conduct SWOT Analysis
- Develop list of potential projects to address challenges and opportunities
- Develop evaluation and project ranking metrics
- Assemble recommendations
- Present draft report
- Present final report

#### Additional Guidelines for Gauging Potential Project Importance

#### **CEDS Evaluation Criteria for the Northern Neck**

Each project or initiative is given a score. Some criteria may be given higher weighting than others, depending upon the values of the community and how much impact it will have on economic recovery / progress.

#### **Tourism Impact**

Project Criterion	Score Guidelines
Project will support the revitalization or improvement of tourism	5 Fulfills significant tourism growth as identified by local sources
	4 Supports moderate tourism growth as identified by local sources
	3 Provides minimal tourism impact
	2 Does not impact tourism
	1 Negative impact on tourism likely

#### Agriculture / Fishing Impact

3 1	
Project Criterion	Score Guidelines
Project will benefit agriculture or fishing industries	5 Meets significant needs
	4 Meets moderate needs as identified by industries
	3 Meets minimal needs
	2 Does not meet needs identified
	1 No impact

#### **Economic Diversification Impact**

Project Criterion	Score Guidelines
Project will help diversify the economy	5 Will significantly diversify
	4 Moderate diversification
	3 Minimal diversification
	2 Does not diversify
	1 No impact

#### Defense Impact

Project Criterion	Score Guidelines
Project will provide benefit to military base	5 Meets significant needs
	4 Meets moderate needs as identified by industries
	3 Meets minimal needs
	2 Does not meet needs identified
	1 No impact

#### **Revitalization Impact**

•	
Project Criterion	Score Guidelines
Project will help revitalize community or downtown	5 Will significantly benefit revitalization
	4 Moderate benefit
	3 Some minor benefit
	2 Does not benefit
	1 No impact

#### **Employment Impact**

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Project Criteria	Score Guidelines
Project will generate direct employment in the construction industry	5 Creates or supports more than 100 jobs in construction
	4 Creates 60 – 100 jobs
	3 Creates 30 – 59 jobs
	2 Creates less than 30 jobs
	1 No employment impact
Project will generate increase in long-term	5 Will create 100+ new long-term positions
employment	
	4 Will create 60 – 100 long-term positions
	3 Creates 30 – 59 new long-term positions
	2 Creates less than 30 long-term positions
	1 No employment impact
Project will lead to improved job skills and higher-paying jobs for residents	5 Project provides significant direct impact
	4 Project provides moderate direct impact
	3 Project provides slight direct impact
	2 Project does not have direct impact
	1 Project may have a negative impact

#### Maximizing Leverage of Private Sector Investment

Project Criterion	Score Guidelines
Private Sector Investment as percentage of project cost	5 Fully funded by private sector

- 4 More than 50% privately funded
- 3 Private sector interest expressed in funding participation
- 2 Potential for private sector investment
- 1 Fully funded by public sector

#### **Financial Sustainability**

Project Criterion	Score Guidelines
Degree of long-term (post- construction) public sector funding required	5 Project is net revenue generator
	4 Reduced or no public sector support required
	3 No impact on public sector support required
	2 Slight increase in direct public sector support required (less than \$100k)
	1 Significant increase in direct public sector support required

#### Local Community Priority / Champions

Project Criterion	Score Guidelines
Project priority according to the local community	5 Number 1 priority
	4 Number 2 priority
	3 Number 3 priority or lower
	2 Not identified as priority
	1 Significant local opposition

#### Sustainable Growth

Sustainable Growth	
Project Criteria	Score Guidelines
Project minimizes potential impacts to shorelines, reefs, wetlands, critical habitats and other environmentally sensitive areas.	5 Project will redevelop an existing commercial or industrial property
	4 Project is located more than 1,000 feet from any environmentally sensitive area
	3 Project is located at least 500 but less than 1,000 feet from any environmentally sensitive area
	2 Project is located at least 250 but less than 500 feet from any environmentally sensitive area
	1 Project is within 250 feet of an environmentally sensitive area
Project environmental footprint (e.g., carbon emissions, other impacts)	5 Project will reduce environmental footprint
	4 No net impact
	3 Potential minor increase to environmental footprint
	2 Known minor increase to environmental footprint
	1 Significant increase to environmental footprint
Resilience	
Project Criterion	Score Guidelines
Project will help promote a resilient economy that can bounce back more easily from shocks	5 Project substantially mitigates a known threat
	4 Project helps mitigate a threat
	3 Project promotes resilience but is difficult to measure

1 Project has no benefit in terms of resilience

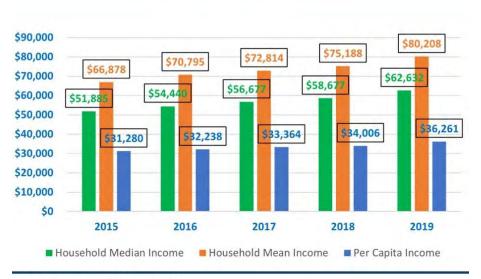
#### Implementation Timeline

Project Criterion	Score Guidelines
Time required to implement project (Implementation defined as project being operational.)	5 Less than 1 year
	<b>4</b> 1 – 2 years
	<b>3</b> 2 – 3 years
	<b>2</b> 3 – 4 years
	1 4 or more years

#### **Reference Charts**

### 5– Year Household Median/Mean/Per Capita Income 2015-2019

#### Northumberland



American Community Survey, 2015-2019

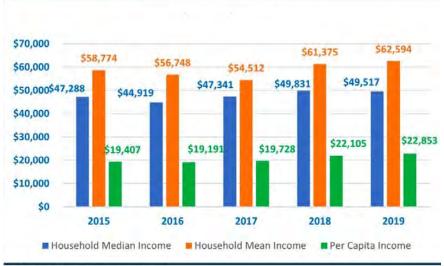
## 5– Year Household Median/Mean/Per Capita Income 2015-2019

#### **Lancaster County**



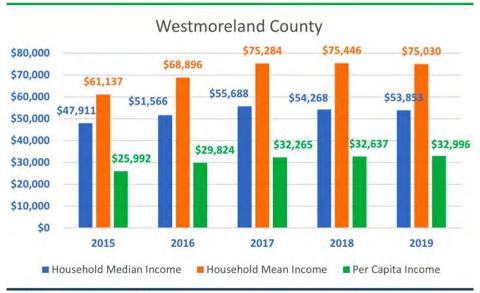
### 5- Year Household Median/Mean/Per Capita Income 2015-2019

#### Richmond County

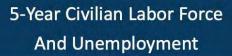


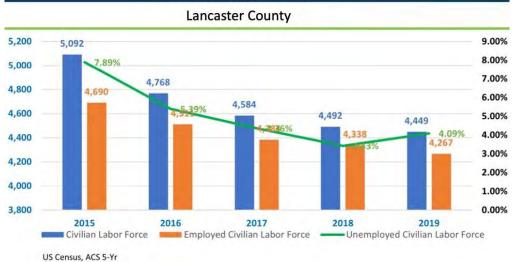
American Community Survey, 2015-2019

# 5– Year Household Median/Mean/Per Capita Income 2015-2019



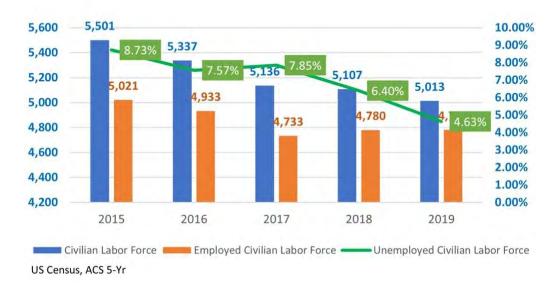
American Community Survey, 2015-2019





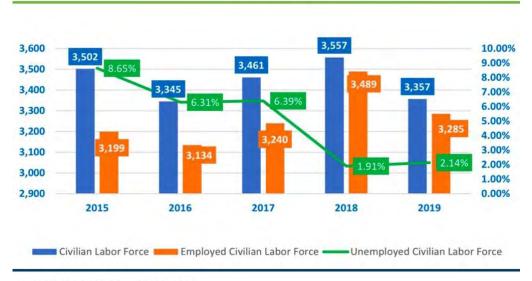
# 5-Year Civilian Labor Force And Unemployment

#### Northumberland



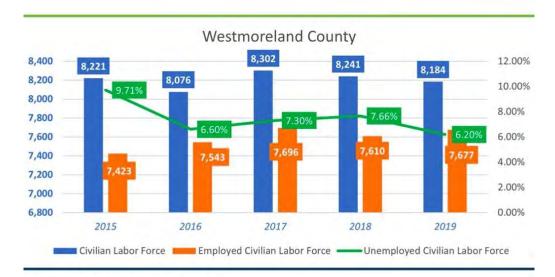
#### 5-Year Civilian Labor Force And Unemployment

#### **Richmond County**

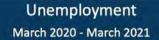


American Community Survey, 2015-2019

#### 5-Year Civilian Labor Force And Unemployment



American Community Survey, 2015-2019



#### **Lancaster County**



Virginia Employment Commission, Economic Information & Analytics, Local Area Unemployment Statistics.

### Unemployment 12 Months March 2020-Feb 2021

#### Northumberland

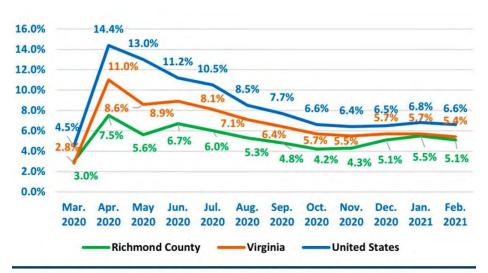


Source: Virginia Employment Commission, Economic Information & Analytics, Local Area Unemployment Statistics.

#### Unemployment 12 Months

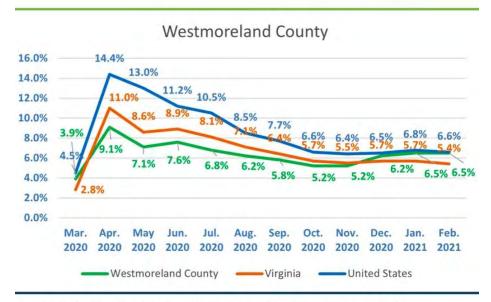
March 2020-Feb 2021

#### **Richmond County**

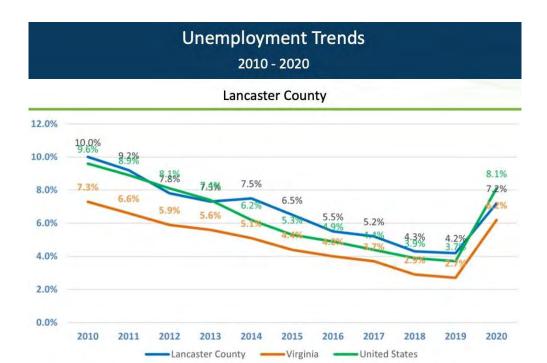


Source: Virginia Employment Commission, Economic Information & Analytics, Local Area Unemployment Statistics.

# Unemployment 12 Months March 2020-Feb 2021

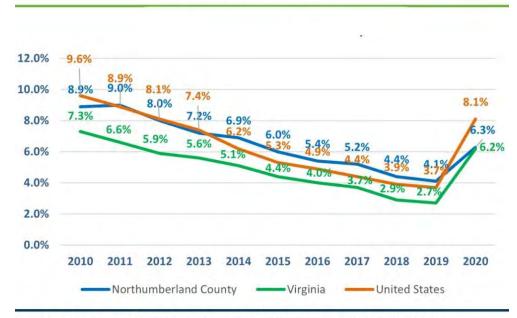


Source: Virginia Employment Commission, Economic Information & Analytics, Local Area Unemployment Statistics.



Virginia Employment Commission, Economic Information & Analytics, Local Area Unemployment Statistics.

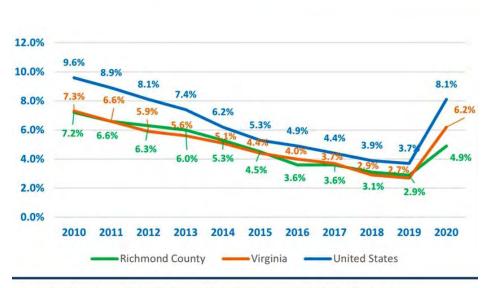
# Unemployment Trends 2010 - 2020 Northumberland



Source: Virginia Employment Commission, Economic Information & Analytics, Local Area Unemployment Statistics.

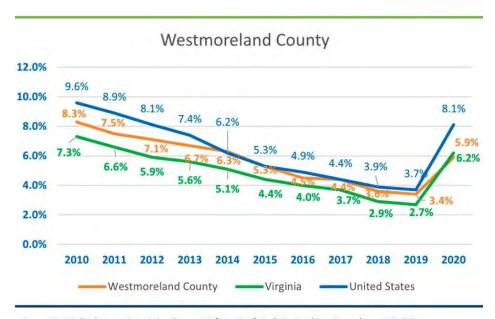
#### Unemployment Trends 2010 - 2020

#### **Richmond County**



Source: Virginia Employment Commission, Economic Information & Analytics, Local Area Unemployment Statistics.

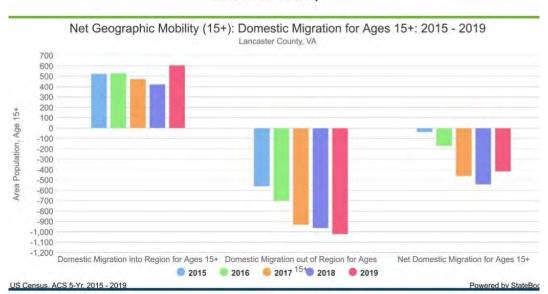
#### Unemployment Trends 2010 - 2020

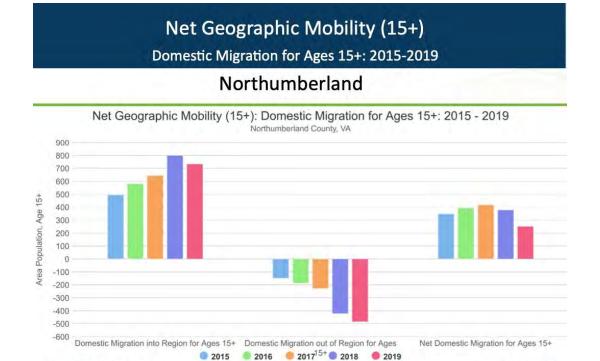


 $Source: Virginia\ Employment\ Commission,\ Economic\ Information\ \&\ Analytics,\ Local\ Area\ Unemployment\ Statistics.$ 

# Net Geographic Mobility (15+) Domestic Migration for Ages 15+: 2015-2019

#### **Lancaster County**





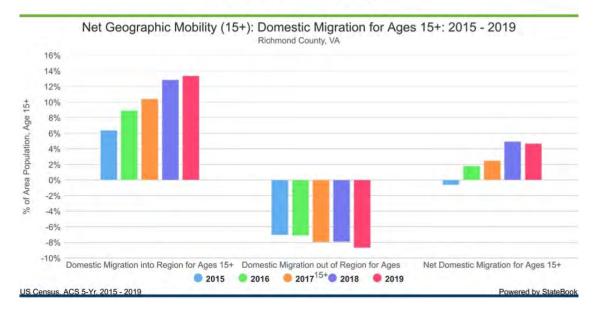
US Census, ACS 5-Yr, 2015 - 2019

Powered by StateBook

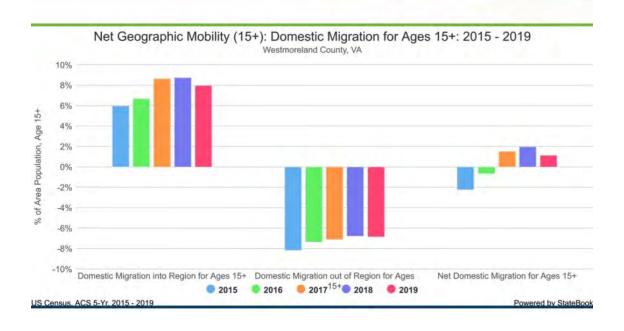
#### Net Geographic Mobility (15+)

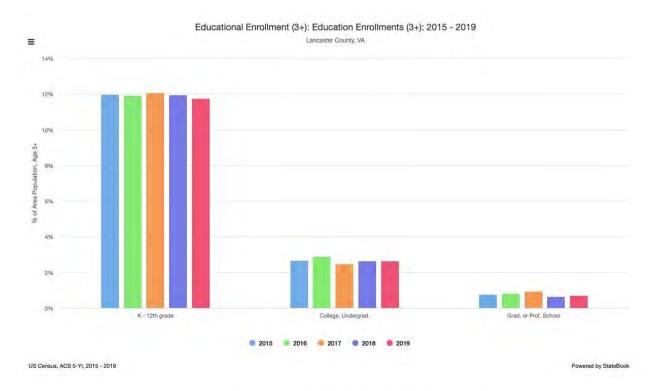
Domestic Migration for Ages 15+: 2015-2019

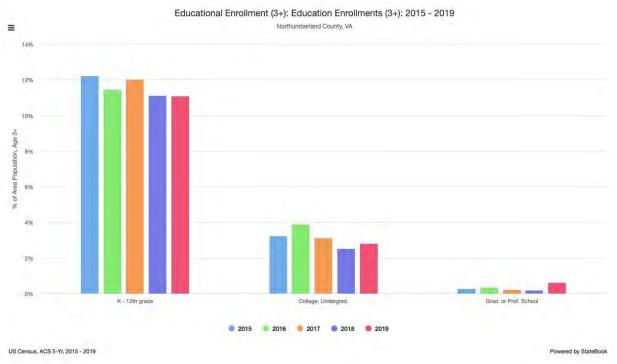
#### Richmond County

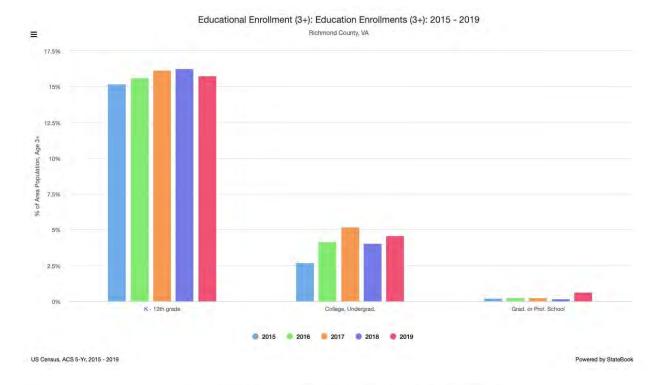


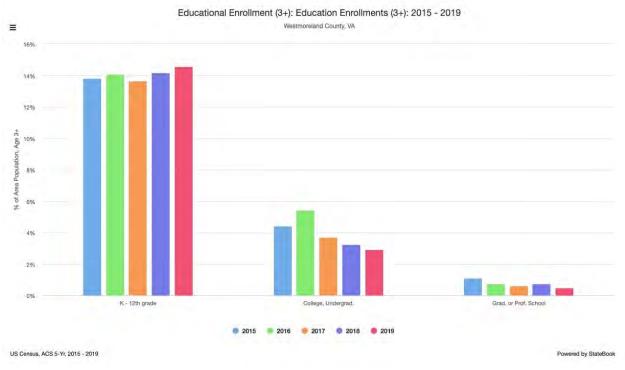
# Net Geographic Mobility (15+) Domestic Migration for Ages 15+: 2015-2019











#### **Reference Tables**

Master Table Provided by Statebook.com: <a href="https://bit.ly/CEDS-table">https://bit.ly/CEDS-table</a>

#### **Interviews**

Multiple interviews were conducted with business owners, community leaders, government officials, educators; some also participated in various group discussions or other forums.

#### Sources

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County Business Patterns, of the U.S. Census Bureau

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<u>Coastal Virginia Small Business Resilience Self-Assessment and Guide</u> developed by the Old Dominion University Institute for Coastal Adaptation and Resilience.

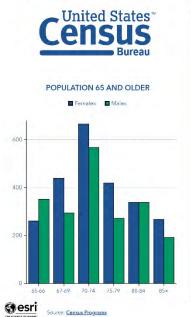
<u>Subsector Insights and Recommendations</u>, a report for the Virginia Economic Development Partnership by Boston Consulting Group, August 2021.

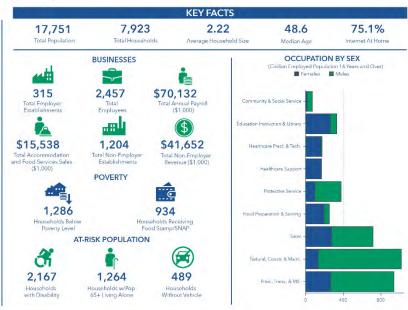
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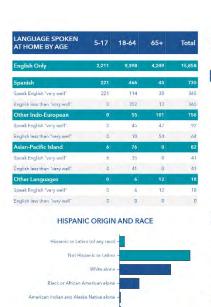
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### COUNTY COVID-19 IMPACT PLANNING REPORT

Westmoreland, Virginia (FIPS 51193)





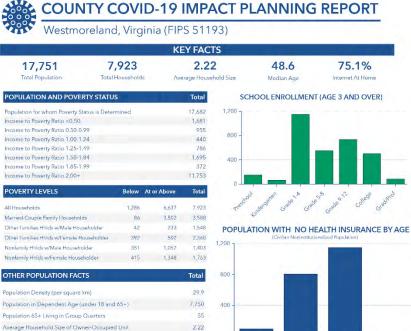


Native Hawaiian and Other Pacific Islander along

Source: Census Programs

Some Other Race

Two or More Races



2.24

19 34

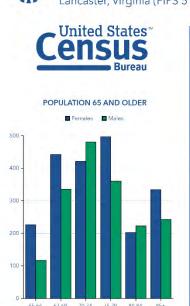
35 64

Average Household Size of Renter-Occupied Unit

65+

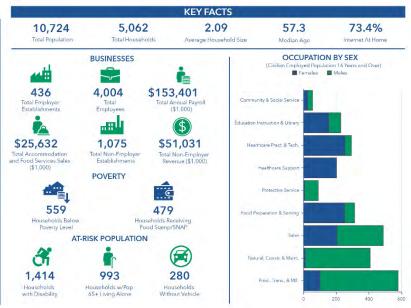
August 17, 202

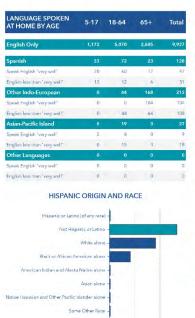
# COUNTY COVID-19 IMPACT PLANNING REPORT Lancaster, Virginia (FIPS 51103)



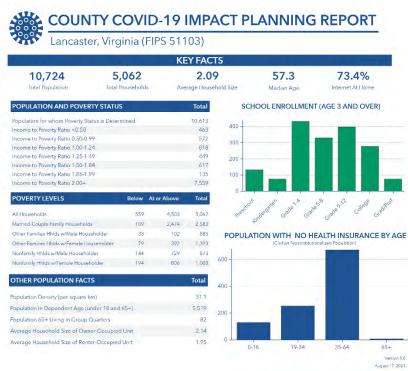
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Source: Census Programs



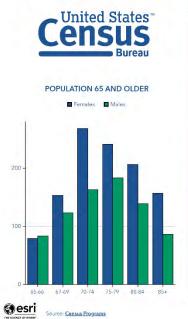


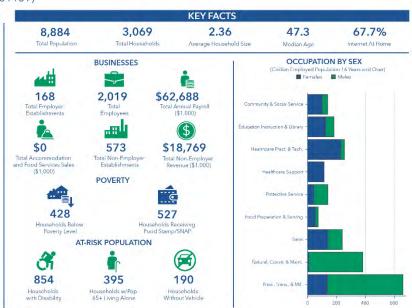
Source: Census Programs

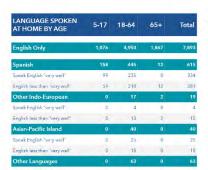


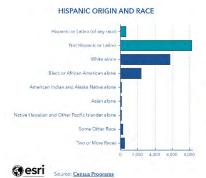


Richmond, Virginia (FIPS 51159)









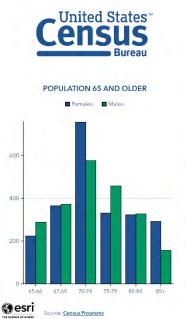


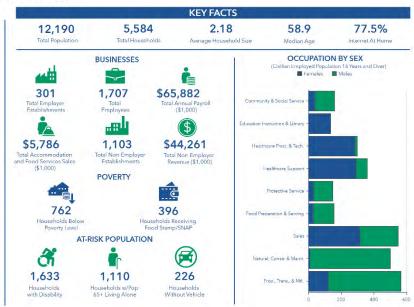
#### **COUNTY COVID-19 IMPACT PLANNING REPORT**

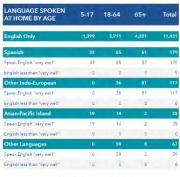
Richmond, Virginia (FIPS 51159)

	-	KI	EY FACT	S		
	,069		2.36		47.3	67.79
Total Population Total I	ation Total Households Ave		erage House	hold Size	Median Age	Internet At Ho
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pulation for whom Poverty Status is Deter	mined		7,268	500 7		
come to Poverty Ratio < 0.50.			890	400 -		
come to Poverty Ratio 0.50-0.99			364	400 -		
come to Poverty Ratio 1.00 1.24			619	300 -		
come to Poverty Ratio 1,25-1,49			232			
come to Poverty Ratio 1.50-1.84			327	200		
come to Poverty Ratio 1.85-1.99			300	100 -		
come to Poverty Ratio 2.00+			4,536	0		
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arried-Couple Family Households	141	1,638	1.779		£m.	
ther Families Hhlds w/Male Householder	32	50	470	POPULA	TION WITH NO H	FAITH INSURA
ther Families Hhlds w/Female Householder	40	222	686		(Civilian Noninstituti	
onfamily Hhlds w/Male Householder	118	338	456			
onfamily Hhlds w/Female Householder	97	393	490	300 -		
THER POPULATION FACTS			Total			
pulation Density (per square km)			17.9	200 -		
pulation in Dependent Age (under 18 and	65+)		3,369	100 -	1	
pulation 65+ Living in Group Quarters			163	100 -		
erage Household Size of Owner-Occupied	d Unit		2,36			
erage Household Size of Renter-Occupied	Unit		2.37	0	18 19:34	35-64



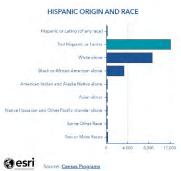






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# COUNTY COVID-19 IMPACT PLANNING REPORT Northumberland, Virginia (FIPS 51133)

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November 23, 2021