

RESEARCH . GIS



Sunny Sanders

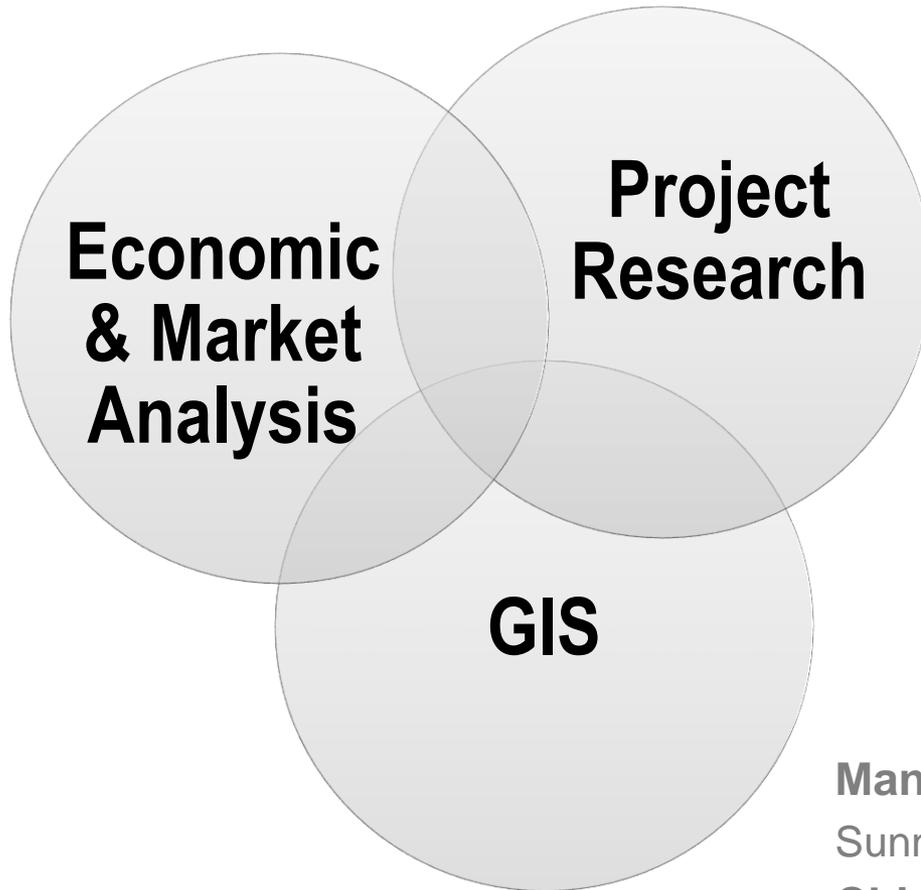
GIS Manager

September 14, 2016

**VIRGINIA ECONOMIC
DEVELOPMENT PARTNERSHIP**

YESVIRGINIA.ORG





GIS is one of 3 groups within the Research team.

Manager

Sunny Sanders

Chief Cartographer

Mary Davis

Application Developer

Beth Manghi

Technicians

Chris Brown & Allison Smith

Sites & Buildings
Incentive Regions
Higher Education
Demographics
Aerial Photography

DATA

Quality of Life
Transportation
Environmental
D&B Businesses
Local Parcels

Drivetimes/Buffers
Area Workforce
Access to Assets

SPATIAL ANALYSIS

Inclusion/Exclusion
Automotive Routing
Data Enrichment

Reference
Proposals

Publications
InfoSheets

VISUALIZATIONS

YesVirginia.org
External Support

VirginiaAllies.org
Application Support

Sites & Buildings
Incentive Regions
Higher Education
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DATA

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Data Enrichment

MAPS

VISUALIZATIONS

not maps



[Access Downloadable Data](#)

Welcome to the Virginia Economic Development Partnership GIS Site

The GIS Team of VEDP's Research Department creates high quality cartographic products, conducts sophisticated geospatial analyses, develops geo web applications, and maintains relevant spatial data layers in order to further the Partnership's mission:

To enhance the quality of life and raise the standard of living for all Virginians, in collaboration with Virginia communities, through aggressive business recruitment, expansion assistance, and trade development, thereby expanding the tax base and creating higher-income employment opportunities.

GIS Staff

- Sunny Sanders
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804-545-5688
- Mary Davis
Chief Cartographer

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System Architecture

top secret tip: just google vedp gis



[Access Downloadable Data](#)

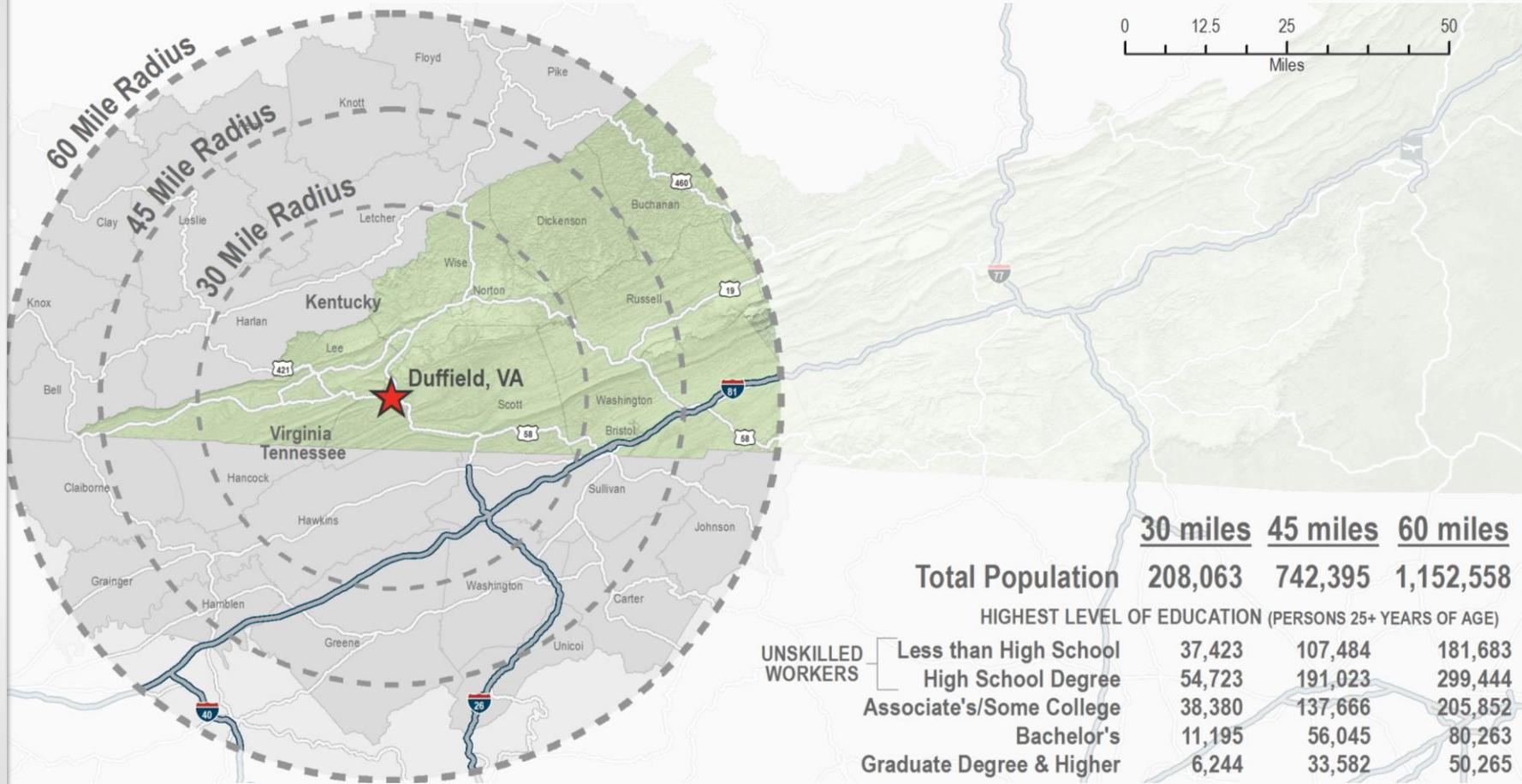
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Chief Cartographer

The screenshot shows the website interface with a search bar containing 'gis.yesvirginia.org'. Below the search bar is a red navigation bar with 'Virginia Economic Development Partnership GIS'. A search box contains 'Search for open data'. A circular inset highlights a search results page for 'Workforce Development Centers'. The results list includes:

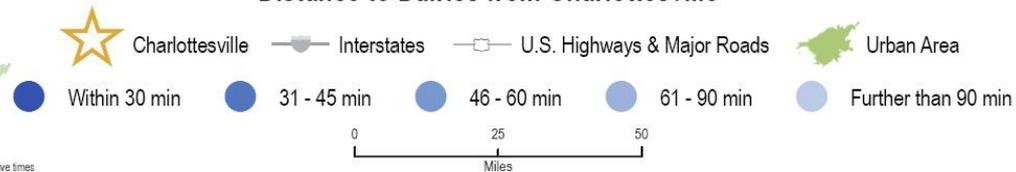
- Workforce Development Centers** (from Downloadable Datasets)
Shared by asmith_VEDP
This layer contains general location, identification attributes, and points of contact for Virginia's workforce development centers. These centers are compiled from several sources in the Virginia Workforce Network, including One-Stop Centers (Virginia Board of Workforce Development), Career and Technical Centers (Virginia Community
- Breweries** (from Downloadable Datasets)
Shared by asmith_VEDP
This data shows both craft and commercial breweries located in Virginia. Last Updated June 2016. Updated quarterly. Additional Resources: Original Data: Virginia Department of Alcoholic Beverage Control
- Technology Zones** (from Downloadable Datasets)
Shared by asmith_VEDP
This dataset includes the boundary information for the Virginia Technology Zone program. Virginia cities, counties, and towns have the ability to establish, by ordinance, one or more technology zones to attract growth in targeted industries. Each locality designs and administers its own program, designating special incentives
- Major Business Facility Job Tax Credit** (from Downloadable Datasets)
Shared by asmith_VEDP
This dataset highlights localities that currently require the lower job creation threshold (25+ new jobs) to qualify for the Major Business Facility Job Tax Credit (MBFJTC). MBFJTC - Qualified companies locating or expanding anywhere in Virginia are eligible for a \$1,000 income tax credit for each new full-time job created

SPATIAL ANALYSIS





Distance to Dairies from Charlottesville



Sources: ESRI 2014, VEDP 2015, VDAOS 2015 ©2015 VEDP *10% buffer added to drive times

REFERENCE MAPS

VISUALIZATIONS



The screenshot shows a web browser window with the URL www.virginiaallies.org/maps.html. The page header includes the Virginia Allies logo and navigation links: Home, TOOLS, INCENTIVES, PUBLICATIONS (highlighted), PRESENTATIONS, and MEETINGS & EVENTS. A search bar is also present. The main content area is divided into two columns. The left column has a sidebar with links for Reference Maps and Forms, and a large graphic of a star with arrows pointing outwards, with the Virginia logo below it. The right column lists various map categories and links:

- Reference Maps**
- REGIONS IN VIRGINIA**
 - Metropolitan Statistical Areas
 - Planning District Commissions
 - Regional Marketing Organizations
 - Workforce Investment Area Regions
- ZONES IN VIRGINIA**
 - Enterprise Zones
 - Foreign Trade Zones
 - HUBZones
 - New Market Tax Credit Zones
 - Technology Zones
 - Local Zone Maps
- HIGHER EDUCATION INSTITUTIONS**
 - Four-Year Private Institutions
 - Four-Year Public Institutions
 - Virginia Community College System
- INCENTIVES**
 - GOF Distressed Communities
 - 2014 Major Business Facility Job Tax Credit Localities
 - Communities Eligible for TROF Funds
 - Commonwealth of Virginia EDA Eligible Areas
- MARKETING**
 - Business Incubation Centers in Virginia
 - Small Business Development Centers
 - Basic Virginia Map
 - Transportation Infrastructure in Virginia

WWW.VIRGINIAALLIES.ORG/MAPS.HTML

REFERENCE MAPS

VISUALIZATIONS

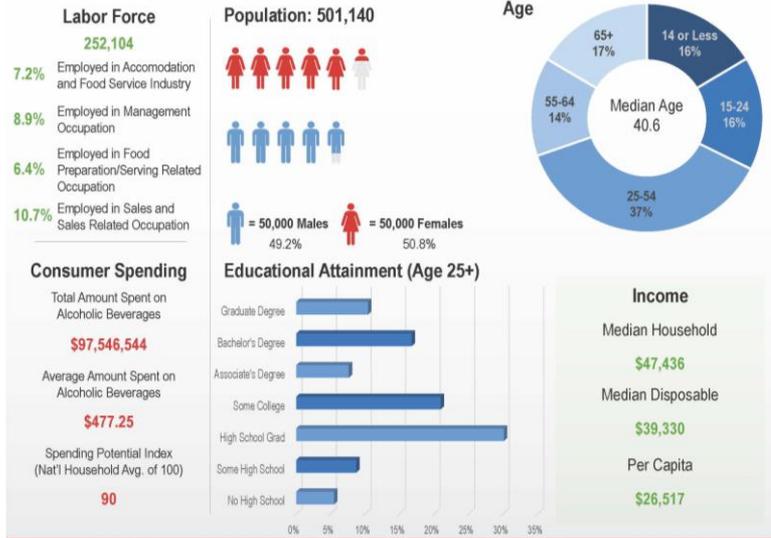
The screenshot shows the Virginia Allies website interface. The browser address bar displays www.virginiaallies.org/maps.html. The website header includes the Virginia Allies logo and navigation tabs for Home, TOOLS, INCENTIVES, and PUBLICATIONS. A sidebar on the left lists 'Reference Maps' and 'Forms'. The main content area is titled 'Reference Maps' and lists various categories:

- REGION'S IN VIRGINIA**
 - Metropolitan Statistical Areas
 - Planning District Commissions
 - Regional Marketing Organizations
 - Workforce Investment Area Regions
- ZONES IN VIRGINIA**
 - Enterprise Zones
 - Foreign Trade Zones
 - HUBZones
 - New Market Tax Credit Zones
 - Technology Zones
 - Local Zone Maps
- HIGHER EDUCATION INSTITUTIONS**
 - Four-Year Private Institutions
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- MARKETING**
 - Business Incubation Centers in Virginia
 - Small Business Development Centers
 - Basic Virginia Map
 - Transportation Infrastructure in Virginia

The detailed map on the right, titled 'Regional Economic Development Organizations VEDP Contacts', shows 13 numbered regions across Virginia, each with a color-coded legend and contact information for its leadership. The legend includes:

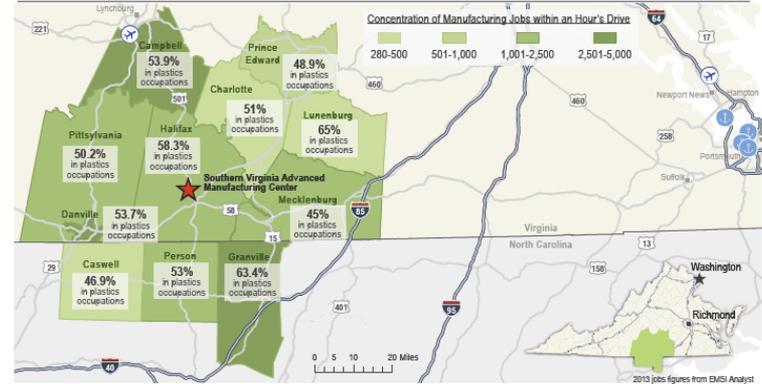
- 1 Virginia's e-Region (Virginia Coalfield EDA)
- 2 Virginia's aCorridor
- 3 New River Valley Economic Development Alliance
- 4 Roanoke Regional Partnership
- 5 Southern Virginia Regional Alliance
- 6 Region 2000 Partnership
- 7 Shenandoah Valley Partnership
- 8 Central Virginia Partnership
- 9 Virginia's Gateway Region
- 10 Greater Richmond Partnership
- 11 Fredericksburg Regional Alliance (Frederigon)
- 12 Northern Neck / Chesapeake Bay Regional Partnership
- 13 Northern Neck Piedmont/Central
- No Affiliation
- Eastern Shore
- Northern Virginia
- N. Valley
- S. Valley
- Southeastern

Demographic Profile Greater Roanoke Area Project



Sources: ESRI 2013, VEDP 2014 © 2014 VEDP

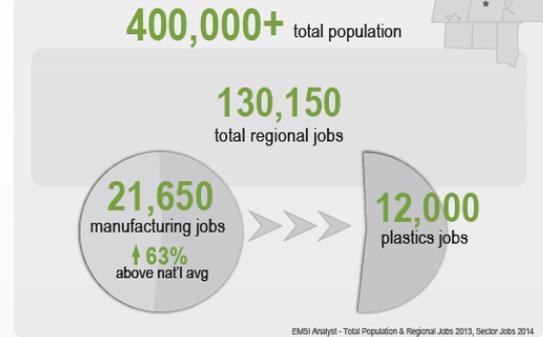
Workforce Southern Virginia Advanced Manufacturing Center



Avg. Hourly Rates for Select Plastics Occupations

Packers & Packers, Hand	\$8.74 → \$10.41
Laborers & Freight, Stock, & Material Movers, Hand	\$8.89 → \$11.21
Machine Feeders & Offbearers	\$9.74 → \$12.45
Team Assemblers	\$9.86 → \$13.14
Helpers—Production Workers	\$10.45 → \$12.53
Inspectors, Testers, & Weighers	\$12.55 → \$16.37
Packaging & Filling Machine Operators	\$12.86 → \$15.44
Cutting, Punching, & Press Machine Setters, Operators, & Tenders, M&P	\$13.41 → \$15.85
Multiple Machine Tool Setters, Operators, & Tenders, Metal & Plastic	\$14.35 → \$18.64
Computer-Controlled Machine Tool Operators, Metal & Plastic	\$16.63 → \$20.51
Industrial Machinery Mechanics	\$18.32 → \$21.37
First-Line Supervisors of Prod Workers	\$21.04 → \$27.62
Industrial Production Managers	\$37.47 → \$51.40

Within 1 hour drive of SVAMC



Sources: U.S. Census Bureau, EMSI Analyst, ESRI, VEDP © 2015 VEDP

ESRI'S STORY MAPS

VISUALIZATIONS

Virginia's Craft Brewing Industry

Overview

- Virginia's craft brewing industry entered a boom phase in 2012 when a new state law allowed breweries to sell their beer for on-premises consumption.
- Since 2011, craft brewing has enjoyed 230% growth, based on the number of new breweries.
- In 2015, Virginia craft brewers produced 274,111 barrels of beer – that's 346% more than the 61,440 barrels brewed in 2011.
- More than 145 licensed breweries call Virginia home – an increase from 44 in 2011.
- Recent expansions from the West Coast include Deschutes Brewery, Stone Brewing and Green Flash Brewing Company. They're joining a roster of home-grown companies that includes: Starr Hill Brewery, Blue Mountain Brewery, O'Connor Brewing Company, Hardywood Park Craft Brewery, Port City Brewing Company and others.

"We already feel like part of this community of brewers because everyone has been open to the idea of friendly collaboration. I feel fortunate to have had the opportunity to meet and work with many talented brewers in Virginia, and we have produced some solid collaborative beers."

*Chuck Silva
Former Brewmaster - Green Flash Brewing Company*

Green Flash Brewing Company
Estimated Open Year: 2016
Address: 1902 General Booth Blvd
Virginia Beach, VA 23454

You're Invited to Join America's Craft Brewing Culture in Virginia

VIRGINIA IS FOR CRAFT BEER LOVERS

8,906 Virginia jobs
\$1 Billion in Economic Impact in Virginia

Beer Excise Taxes
Cost per Gallon

26¢
Virginia Excise Tax per Gallon of Beer
Lowest in the Southeast!

5.30 - 6.00%
VA - Average State and Local Sales Tax

6.00%
VA - State Corporate Income Tax

APPLICATION SUPPORT

HOW VIRGINIA COMPARES

VISUALIZATIONS

Compare States

Virginia

California

clear

North Carolina

clear

Texas

clear



STATES

COMPARE MSAs

Download Report

PDF Excel

Include State Rank

Expand All / Collapse All

▼ INCOME AND OUTPUT

Include in Download

	VIRGINIA (Rank)	CALIFORNIA (Rank)	NORTH CAROLINA (Rank)	TEXAS (Rank)
Gross Domestic Product, in millions (2014p)	\$463,613 (11)	\$2,311,616 (1)	\$483,126 (9)	\$1,648,036 (2)
Gross Domestic Product Growth (2004-2014p)	1.3% (23)	1.5% (17)	1.6% (14)	3.5% (2)
Per Capita Personal Income (2014p)	\$49,710 (12)	\$50,109 (11)	\$39,646 (39)	\$45,426 (25)
Per Capita Personal Income Change (2000-2010)	38.2% (19)	26.7% (44)	27.2% (42)	34.3% (25)

APPLICATION SUPPORT

HOW VIRGINIA COMPARES

VISUALIZATIONS

The screenshot shows the VIRGINIAALLY INFORMATION EXCHANGE website interface. On the left is a map of the United States with Virginia highlighted in red. Below the map are buttons for 'STATES' and 'COMPARE MSAs', and a checkbox for 'Include State Rank'. The main content area displays a comparison table for Virginia across various economic indicators. A dropdown menu is open, showing options like 'Compare Virginia', 'Localities Database', and 'Local ROI'. On the right side, there are search filters and a 'Download' button.

	VIRGINIA	INDIANA	KANSAS	KENTUCKY	TENNESSEE	TEXAS
Gross Domestic Product, in millions (2014p)	\$46					
Gross Domestic Product Growth (2004-2014p)						
Per Capita Personal Income (2014p)	\$49,710 (12)	\$50,109 (11)	\$39,646 (39)	\$45,426 (25)		
Per Capita Personal Income Change (2000-2010)	38.2% (19)	26.7% (44)	27.2% (42)	34.3% (25)		

APPLICATION SUPPORT

VIRGINIA LOCALITIES DATABASE

VISUALIZATIONS

HOME | **TOOLS** | INCENTIVES | PUBLICATIONS | PRESENTATIONS | MEETINGS & EVENTS

Virginia Localities Database



Zoom for more detail.

Newport News clear

Montgomery clear

Petersburg clear

Shenandoah clear

Download Report
PDF Excel

[Expand All / Collapse All](#)

▶ POPULATION	<input checked="" type="checkbox"/> Include in Download
▶ EMPLOYMENT	<input checked="" type="checkbox"/> Include in Download
▶ EDUCATION	<input checked="" type="checkbox"/> Include in Download
▶ INCOME	<input checked="" type="checkbox"/> Include in Download

[View Data Sources](#)
(Included in report download)

Download Report
PDF Excel

APPLICATION SUPPORT

VIRGINIASCAN

QuickSearch

Search by property name, property ID, county name, or city name.



▼ PROPERTY TYPE

- Industrial Buildings (1236)
- Office Buildings (1476)
- Sites/Land (1085)
- Flex Buildings (477)

▼ LOCATION

Regions
Add Region to Filter ▼ Show Map

MSAs
Add MSA to Filter ▼ Show Map

Localities
Add Locality to Filter ▼ Show Map

Reset Locations

Reset Search

Hide Filter

Home List View Map View Property Sheet



Start your Search:

Select a Property Type or Location from the filter.

The Best Way To Find The Best Properties

Virginia Scan is the easy-to-use property search tool that lets you:



Define

- Choose the type of property to search.
- Find a specific property with QuickSearch by entering a property name, address, or property ID.

Refine

- Use the Property Filter to refine any search.
- Narrow your search with the **Size, Other Features** and **Location** filters.
- See live property counts as you select search refinements.

Visualize & Share

- See your results in basic or detailed list view, or on a map.
- Compare selected properties side-by-side, and download individual property sheets.
- Click on a result for an in

APPLICATION SUPPORT

MYVIRGINIASCAN

SITE SELECTION TOOLS

- Property Search
- Featured Sites & Buildings
- Maps & GIS
- Data & Downloads

Property Search

Browse Real Estate and Map Layers in Virginia's Gateway Region

NOTE: Try the "Map Layers" under Map View to explore Enterprise Zones, Demographics and more.
DON'T SEE YOUR PROPERTY? Submit a listing: [Greenfield/Redevelopment Site -- Building](#)

QuickSearch

Search by property name, property ID, county name, or city name.

- Property Type | Size Requirement | Other Features | Transportation | Location | **Reset**

- List View | Map View | **Property Sheet:** | Details List

125 properties found

Property Name	Site Size (acres)	Suitable for Construction	Largest Contiguous Parcel	Locality	Property ID	More Details	Photo	Add To Compare
Mason Farms (Copper Station)	5,422	2,711	2,711	Sussex	242113			
Spring Grove Managed Tree & Quail Farm	1,498	1,498	1,498	Surry	243845			
Timber Land Route 10	1,105	1,105	1,105	Surry	243844			
Pumphouse Road Site	984	900	900	Prince George	240601			
Meadowville Technology Park	1,300	890	250	Chesterfield	234202			
Sussex Megasite Phase II	1,130	835	752	Sussex	243632			
Gravel Neck Site	600	600	150	Surry	234260			
CenterPointe	460	460	460	Chesterfield	234407			
Henry Technology Park and Commerce Center	537	373	537	Sussex	244338			

VISUALIZATIONS

APPLICATION SUPPORT PRIVATE SITE SELECTION APPLICATIONS

VISUALIZATIONS

The screenshot displays the Henrico County Economic Development Authority website. At the top, there is a navigation bar with the text "LIVE. WORK. GROW." and a blue menu containing icons for Buildings, Land, Businesses, Communities, Heat Maps, Local Layers, Compare, Add Properties, and Help. Below the navigation bar is a search interface with a sidebar on the left. The sidebar includes a "Find:" section with icons for Buildings, Sites, Businesses, and Communities. It also has a "Square Feet" section with "MIN SIZE" and "MAX SIZE" input fields, and a "Select Type" section with checkboxes for Office, Industrial, Retail, For Sale, and For Lease. A "SEARCH" button is located at the bottom of the sidebar. The main area of the page shows a map of Henrico County, Virginia, with a blue outline indicating a search area. The map includes labels for various locations such as Rockville, Windham, Glen Allen, Richmond, and West Point. At the bottom of the page, there is a "Results" section with a "Refine Search" link, a "Viewing 1-6 of 239" indicator, and a "Pages 1 | 2 | 3 | 4 of 40" indicator. There are also links for "Print", "Sort by", "Export", and "Advanced".

APPLICATION SUPPORT PRIVATE SITE SELECTION APPLICATIONS

VISUALIZATIONS

Partner enters
property data



iVS



Partner's firm
of choice
imports data



VirginiaScan
MyVirginiaScan

Private
Application

THANK YOU

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