

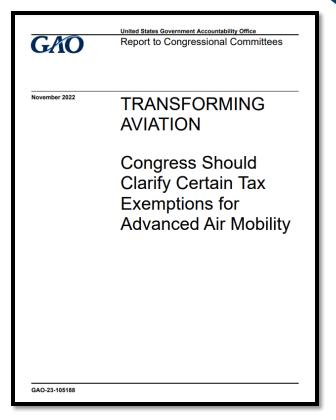


The GAO Report

The U.S. for the Government Accountability Office (GAO) has made exclusive use of UAM Geomatics forecasts throughout its latest report on Advanced Air Mobility.

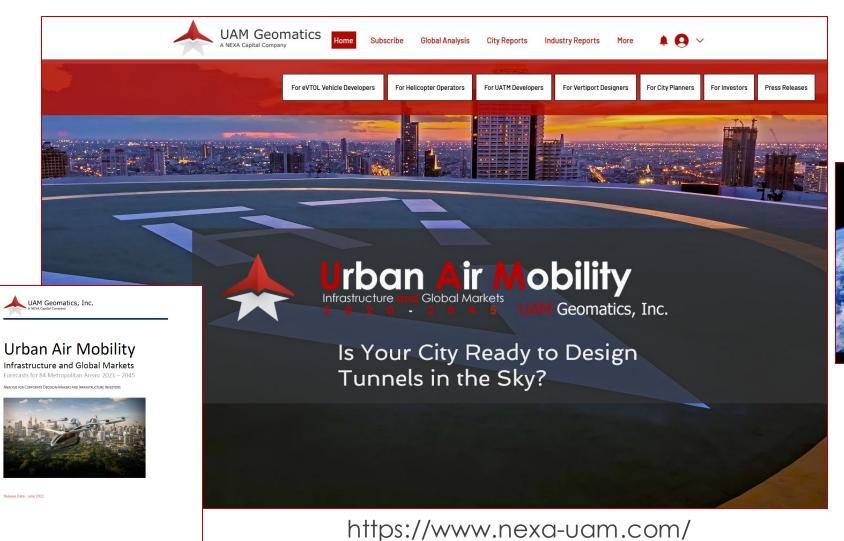
https://www.gao.gov/products/gao-23-105188

"UAM Geomatics was the only source we identified that could provide cumulative cost estimates across a broad time period."



UAM Geomatics Portal and Gateway

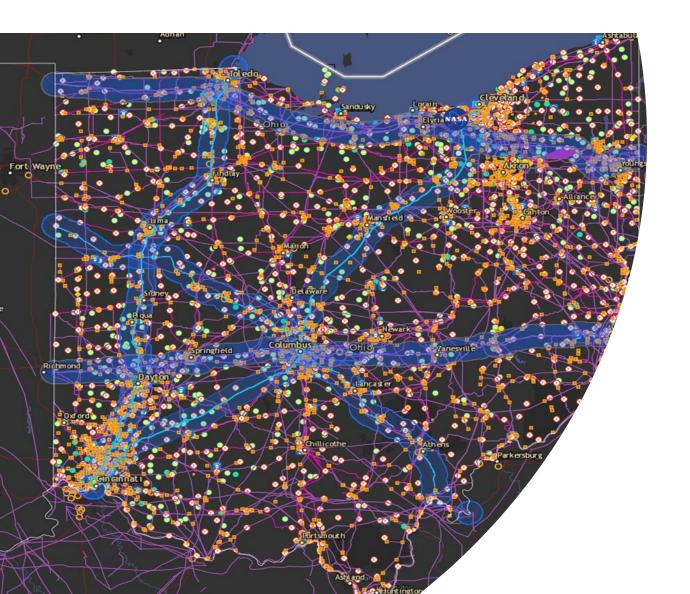






Geospatial Mapping

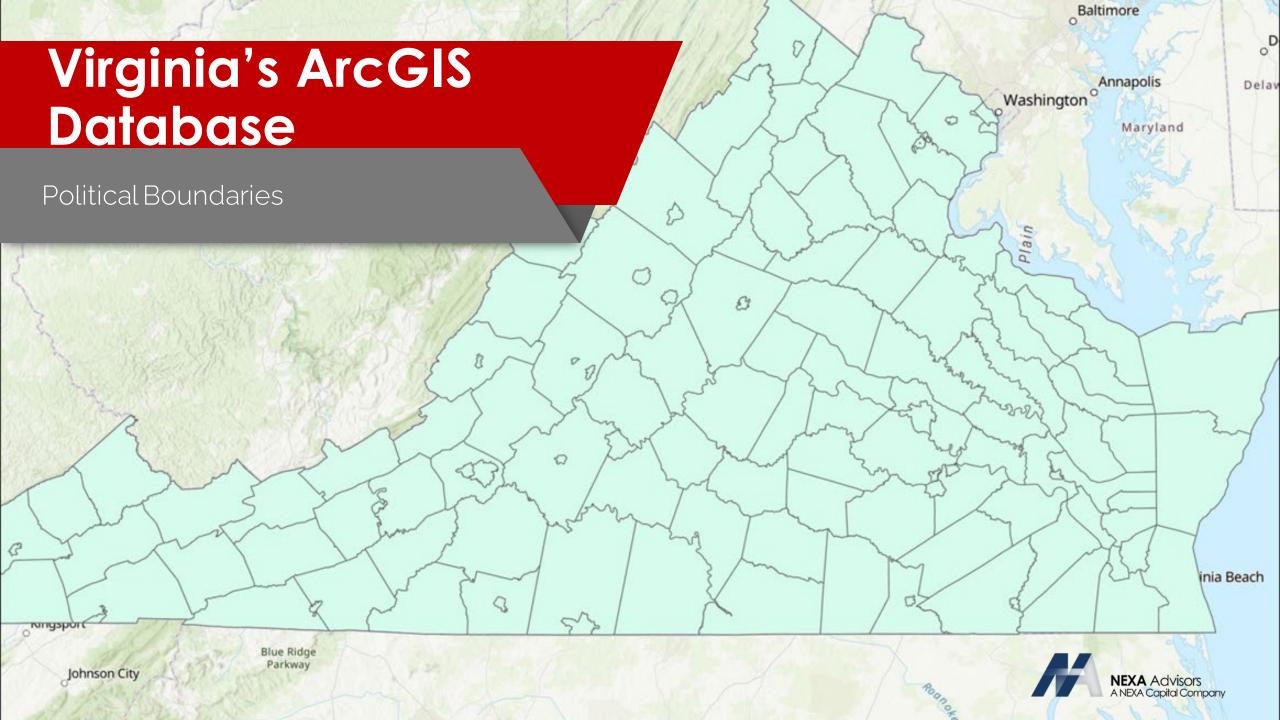


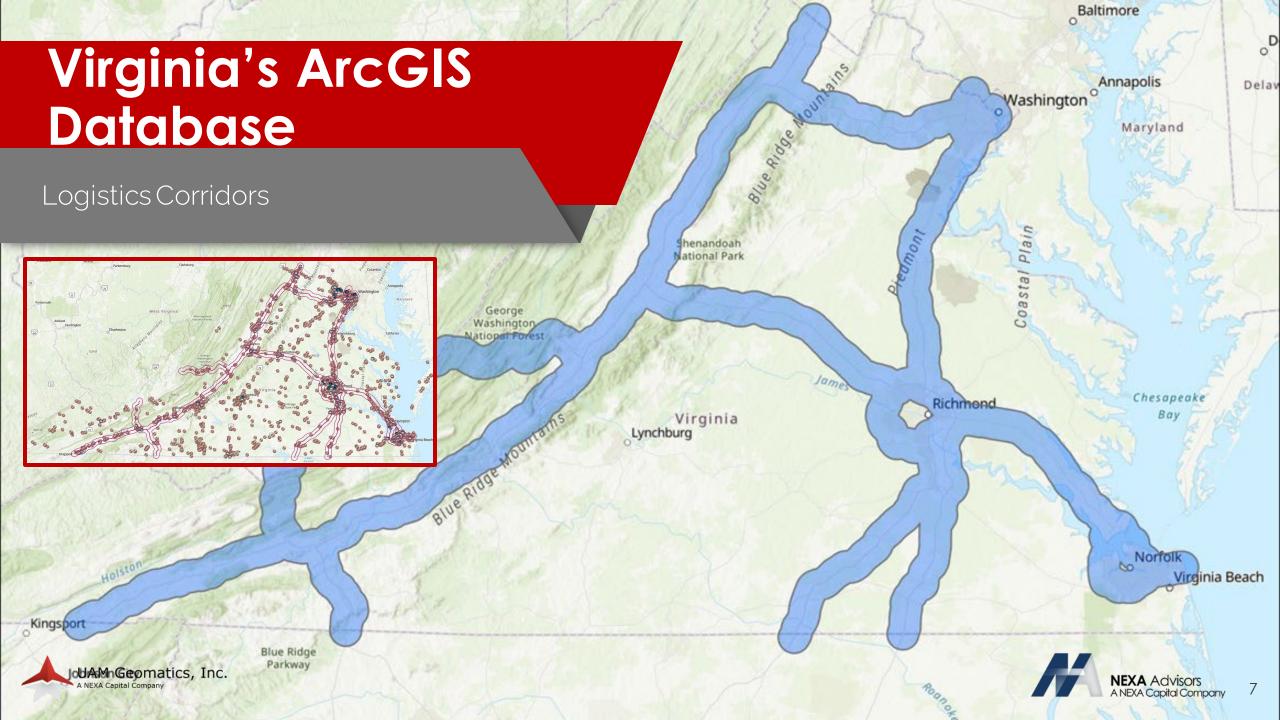


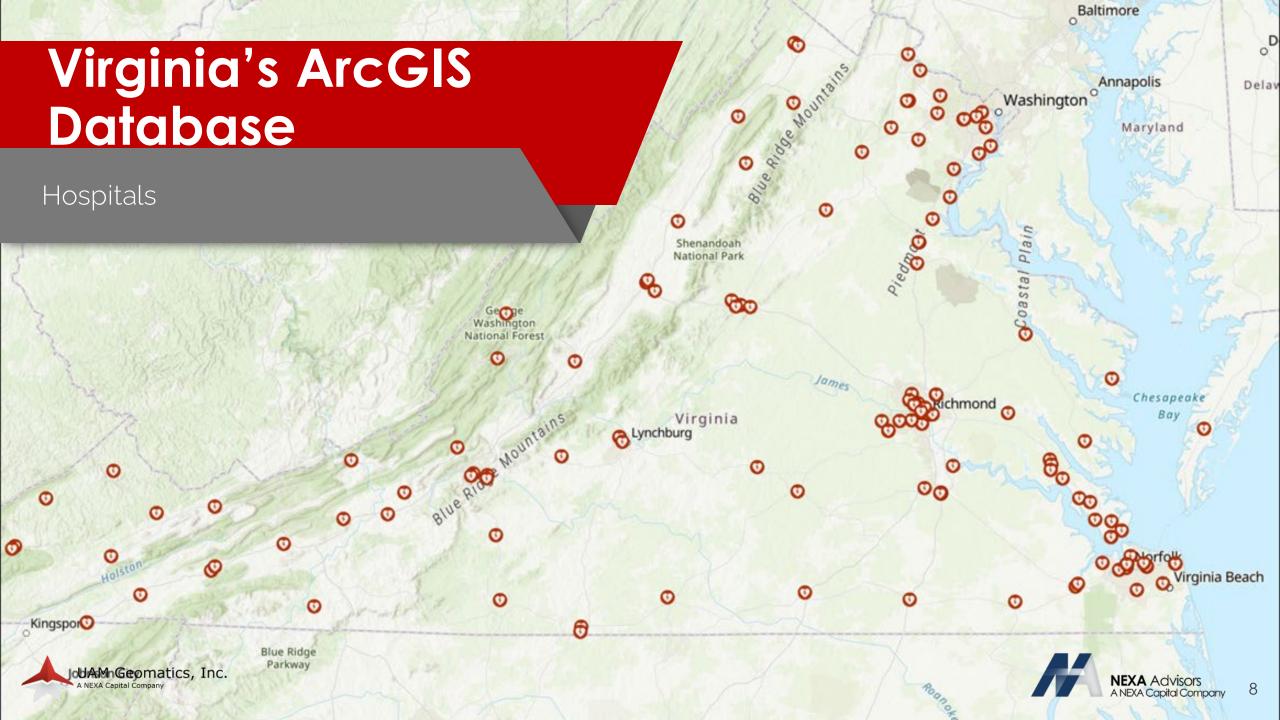
- Geographic Boundaries
- Waterways
- Bridges
- Property Boundaries
- Roads
- Major Transportation Corridors
- Surface Logistics Centers
- Water Ports
- Public Lands
- Hospitals
- Blood Banks
- Clinics
- Airports
- High Resolution Airport Facilities Maps
- Heliports
- Military Bases
- Government Buildings
- Transmission Lines
- Electrical Sub Stations
- Traffic Congestion

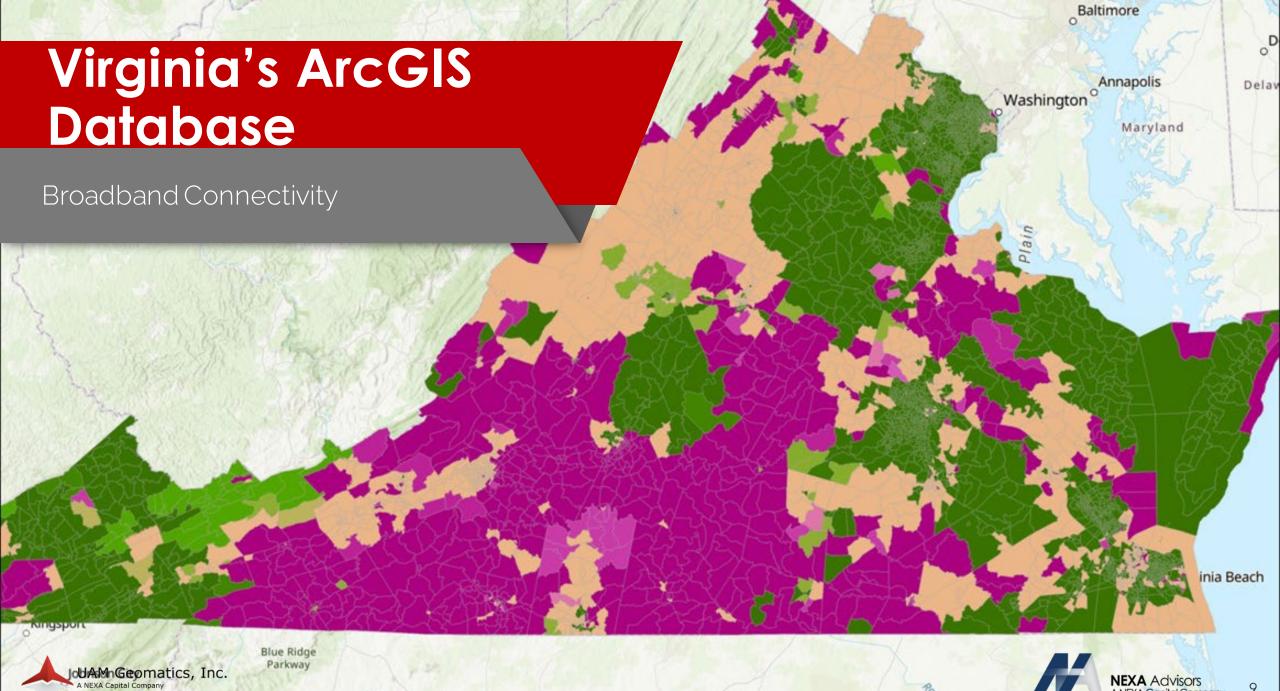
- NASA Facilities
- Sports Venues
- F1000 Corporations
- Major Manufacturing Facilities
- Part 91 Facilities and Aircraft
- Part 135 Facilities and Aircraft
- Universities and Colleges
- Shopping Centers
- Music Venues
- Zoning Districts (Limited)
- Etc.

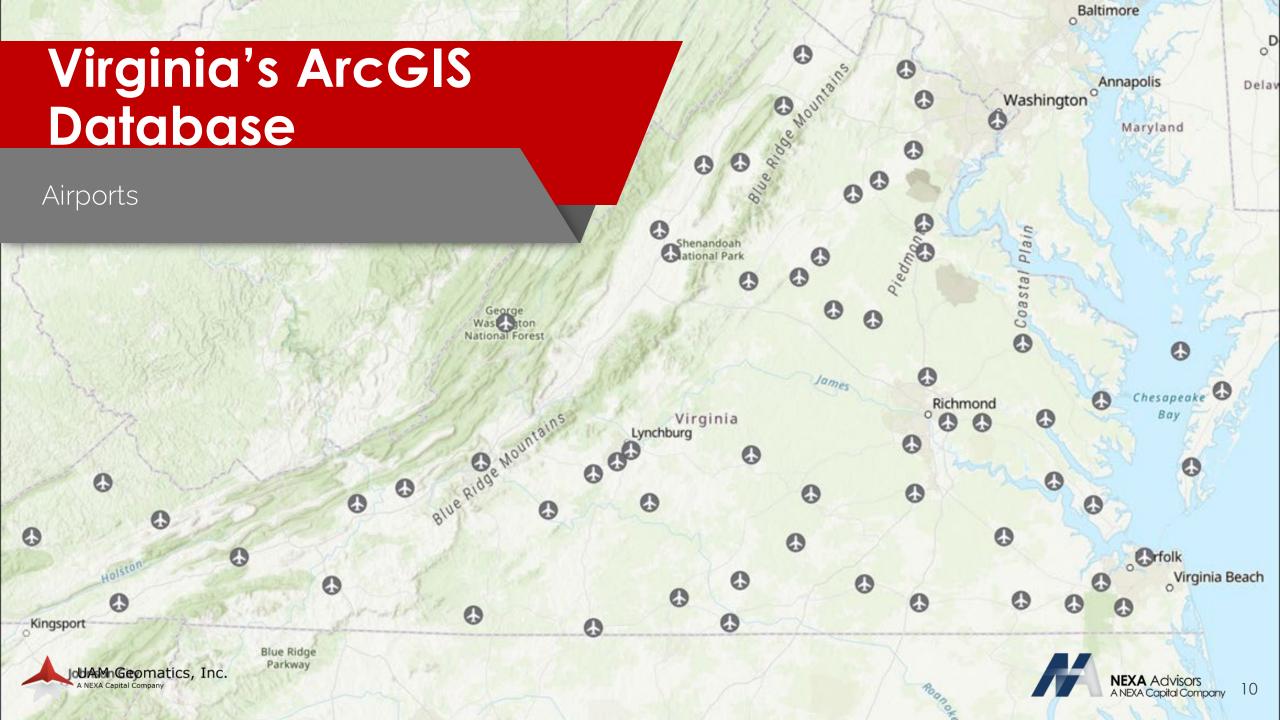


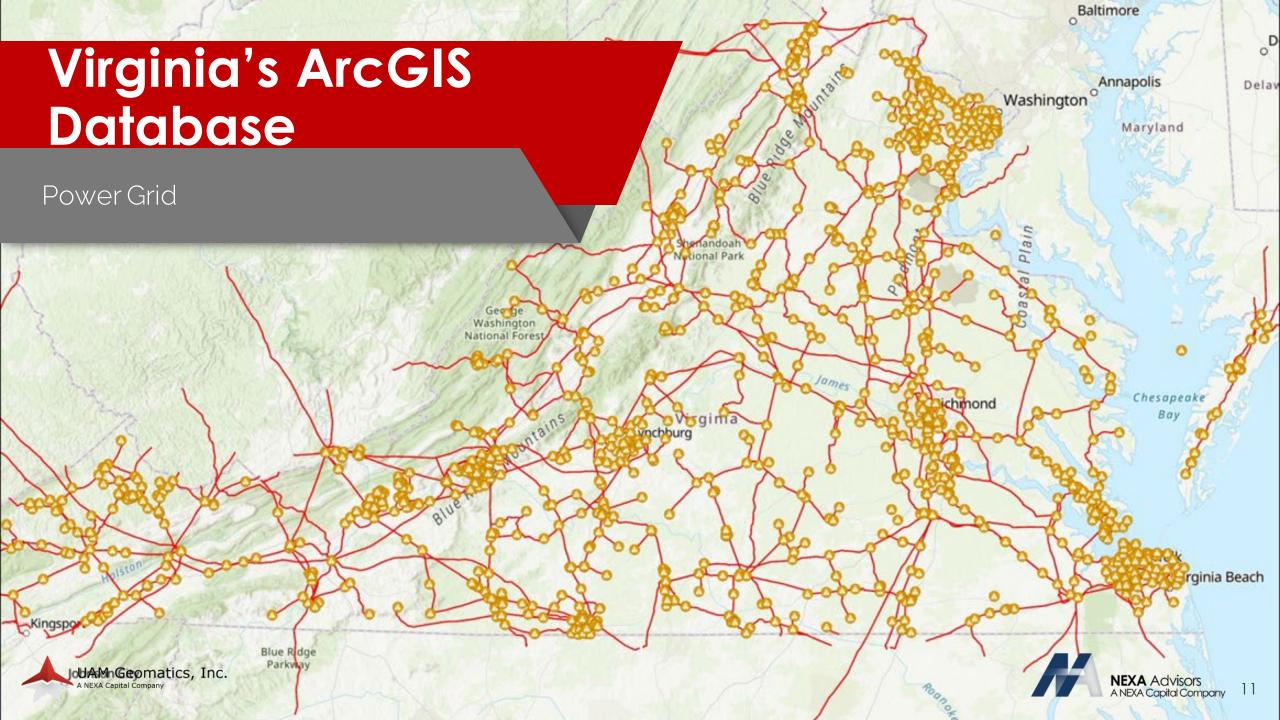












Assumptions/Drivers Modeling and Analysis Findings Inputs **Outputs Business Viability Ground Infrastructure Inputs** City PPP Model **Business Case Dashboard** Private Investment City Demographics Likelihood Population and Density Revenue/P/LModel Heliparts/Vertiports City PPP Model GDP per Capita Affordability Balance Sheet Airport Terminals **UAM Ops Model** Public Acceptance Age Distribution Airline Enplanements Cash Flows Vehicle Charging Systems **UATM Model** What is the outlook for 84 of Congestion CAPEX the most significant Taxi Fleets and On-Demand **Public Transport** metropolitan areas alobally. **Economic** Investment and what policy, **Emergency Facilities UAM Service Demand Elasticity Impact** technology, and financial Airports and Heliports issues will individually define Corporate HQs Direct **UAM P135/121 Operator Model** their success? **Business Aviation Fleets** Airport Shuttle Indirect What will be the plan, and **IMPLAN** Air Taxi the minimum investment to Infrastructure Costs Induced Revenue/P/LModel move these urban areas to Catalytic Nominal Heliport or needed Campus Balance Sheet the tipping point of vertiport Facilities Regional success? Passenger Handling Cash Flows Cargo **UATM** Systems What is the expected size of Personal CAPEX UAM markets over the next **ANSP Interfaces** 25 years, but especially the Investment next 5? Vehicle & Supply Chain Tax **OEM Fleets** Service Model Revenues **Emergency Services** Electric/Hybrid/Hydrogen eVTOL Manufacturing Supply Chain Battery and Charging Federal 7 Vehicle Types Power Grid Medevac **UATM Service Model** State/Provincial Piloted Supply Chain and MRO Facility to Facility Local Autonomous Search and Rescue Sales Taxes Revenue/P/LModel **Demand Assumptions** Surveillance and Traffic Phasina **UATM Infrastructure Inputs** Balance Sheet Pricing Cash Flows **Business Aviation** Comm/Navi/Surveillance Denotes Unique Supply Chain Regulatory and Community CAPEX NOCs Constraints Mobility Configurations Automation System Noise Investment • Utilization Strategies

UTM Infrastructure

UAM Geomatics, Inc.

A NEXA Capital Company

Benefits

Shareholder Value

UAM Financial/Economic Tools

Safety

Public Perception

Virginia Business Case Pillars

2023-2045

Virginia AAM Business Case EcoSystem 2023-2045 (\$US)



	Year	2023-2025	2026-2030	2031-2035	2036-2040	2041-2045	SUM	Pillar Totals
Demand (Passengers)		Nascent	2,287,000	5,978,000	19,253,000	38,607,000	66,125,000	Pillar Totals
Ground Infrastructure	Ground Infrastructure OPEX	\$25,890,000	\$69,200,000	\$119,470,000	\$180,600,000	\$195,490,000	\$590,650,000	5899.230.000
	Ground Infrastructure CAPEX	\$68,500,000	\$68,910,000	\$87,020,000	\$24,810,000	\$59,340,000	\$308,580,000	
RTM/UATM	RTM/UATM Cost OPEX	\$1,100,000	\$12,051,000	\$31,703,000	\$76,725,000	\$121,929,000	\$243,508,000	S416.916.000 I
	RTM/UATM Cost CAPEX	\$20,353,000	\$59,603,000	\$30,529,000	\$34,890,000	\$28,033,000	\$173,408,000	
UAM Operators	Passenger Revenues	Nascent	\$508,099,000	\$744,083,000	\$1,603,109,000	\$2,783,255,000	\$5,638,546,000	\$8,601,009,000
	MedEvac Revenues	Nascent	\$226,263,000	\$348,794,000	\$631,595,000	\$555,910,000	\$1,762,562,000	
	Cargo Revenues	Nascent	\$99,162,000	\$170,516,000	\$321,889,000	\$608,334,000	\$1,199,901,000	
Vehicles	Vehicle Manufacturing	Nascent	\$613,022,000	\$1,052,997,000	\$1,487,250,000	\$1,725,403,000	\$4,878,672,000	S6.511.523.000
	Vehicle Purchases	\$58,800,000	\$277,440,000	\$280,755,000	\$454,411,000	\$561,445,000	\$1,632,851,000	
Virginia Grand Total		\$174,643,000	\$1,933,750,000	\$2,865,867,000	\$4,815,279,000	\$6,639,139,000	\$16,428,678,000	\$16,428,678,000

Note: Nascent - Not Meaningful

R/I **6.53**

Virginia AAM Demand and Ticket Pricing

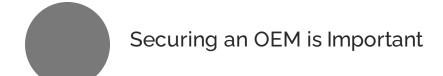




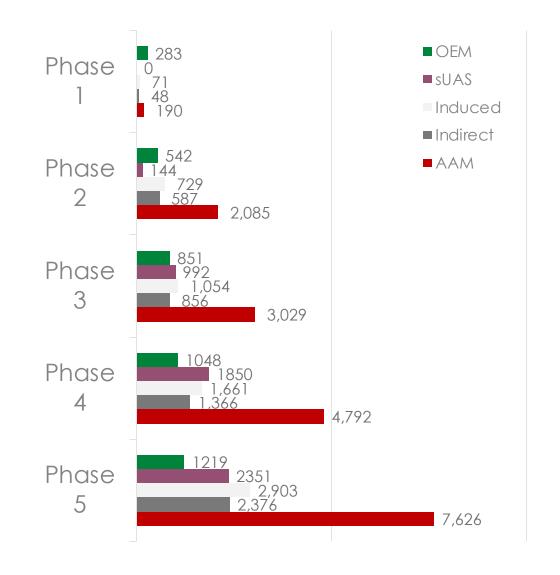


Virginia AAM Job Creation, Permanent Full-Time





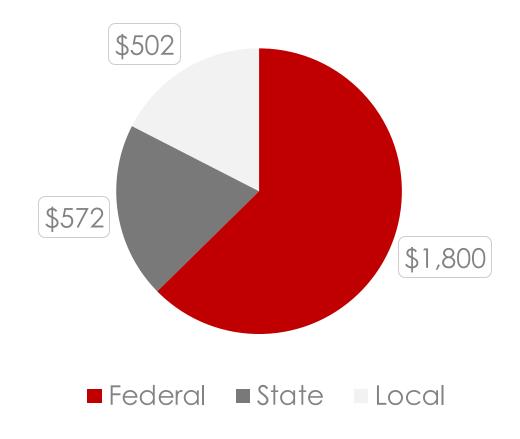




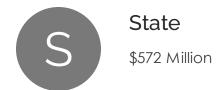


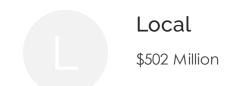


Virginia Tax Revenues (\$M, USD) 2023-2045





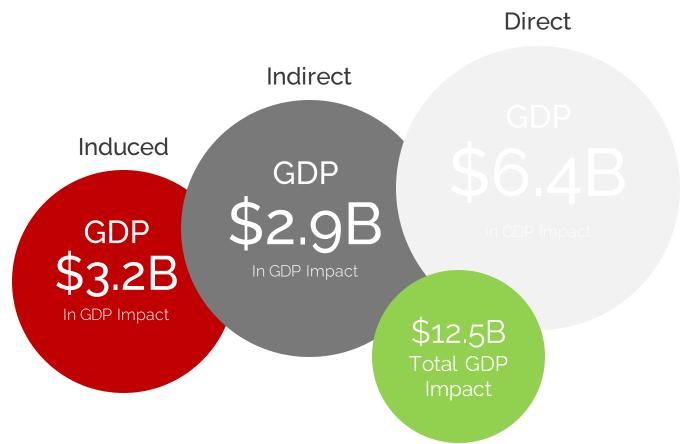








Virginia GDP Impact



Direct

The set of expenditures applied to the I-O multipliers for an impact analysis

Indirect

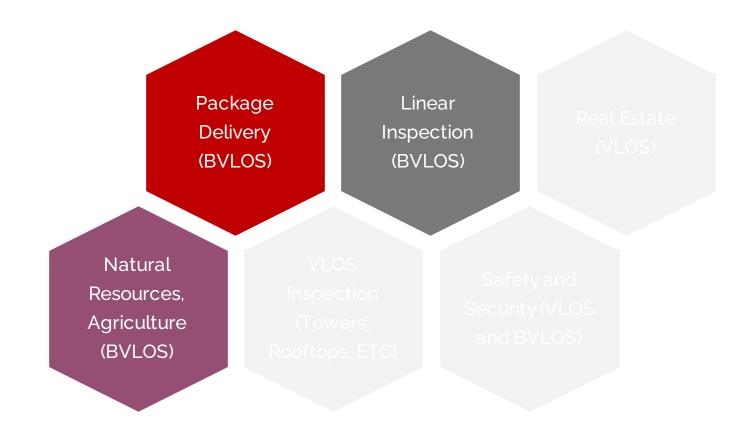
The business-to-business purchases in the supply chain taking place in the region that stem from the initial industry input purchases.

Induced

The induced effects are generated by the spending of the employees within the business' supply chain.



Top sUAS Use Cases in Virginia



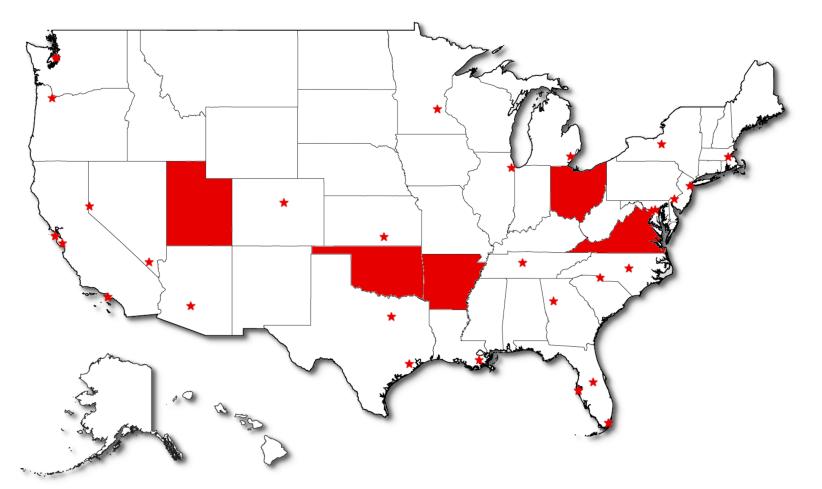




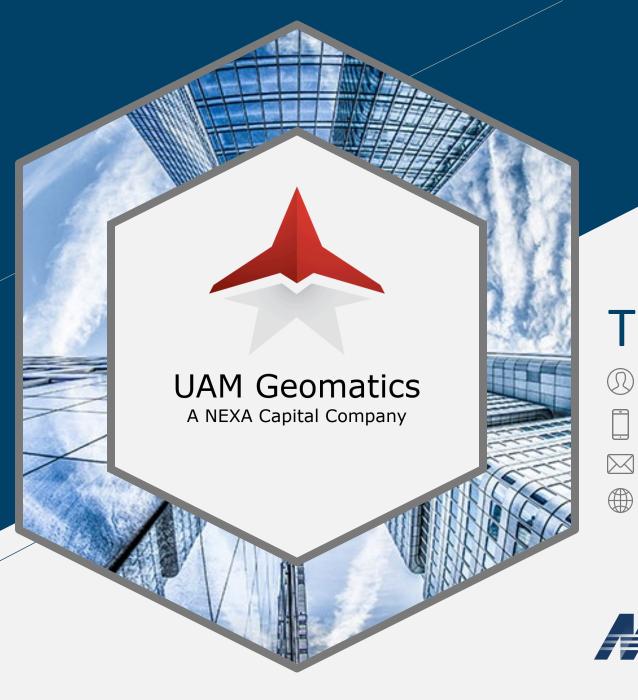


The USA Business Case

48 MSAs Examined in the USA



55% Of Total US Population Examined



Thank You.

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