COMMUTER CONNECTIONS

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REGIONAL SOLUTIONS NEEDED TO MEET CHALLENGES

- 1. BRAC Explosion in NOVA
- 2. Road Ahead
- 3. Future DOD Issues & Challenges for Region
- 3. Transportation Demand Management Programs
- 4. New Realities
- 5. Regional Solutions
- 6. Next Steps





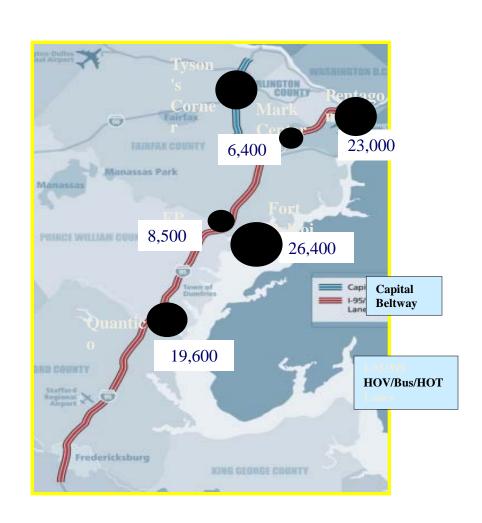
5 BRAC LOCATIONS IN NOVA

The I-95/395 is an important and unique corridor because it serves current and future military bases.

Along with Pentagon I/95/395 serves five BRAC locations:

- Ft. Myer/Henderson Hall
- Mark Center
- Fort Belvoir
- Engineering Proving Grounds/Belvoir North
- Marine Corp Base Quantico

Combined they employee 84,000 people.







ROAD AHEAD - 3-5 YRS OFF

FUNDING NEEDED

Road Capacity

- Marine Base Quantico = \$26 million
- Fort Belvoir/Mark Center = \$366 million

Transit Capacity

Washington Metropolitan Area Transit Authority (Metro) Study

- •100,000 additional annual vehicle revenue hours
- Bus bay capacity issues at five Metro stations
- •47 new buses (\$26 million)
- Annual operating cost (\$9 million)





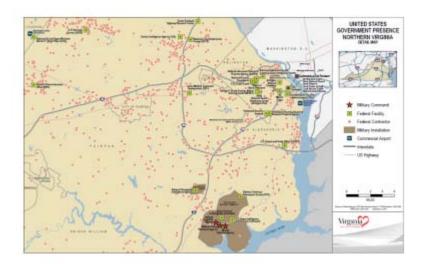
FUTURE CHALLENGES

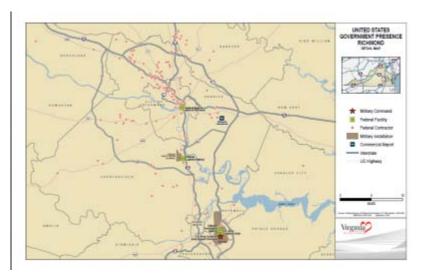
- Executive Order 13514 2009 requires agencies to measure, manage, and reduce greenhouse gas emissions toward agency-defined targets to meet energy, water, and waste reductions, including:
 - 30% reduction in vehicle fleet petroleum use by 2020;
 - 26% improvement in water efficiency by **2020**;
 - 50% recycling and waste diversion by 2015;
 - 95% of all applicable contracts will meet sustainability requirements;
 - Implementation of the 2030 net-zero-energy building requirement;
 - Implementation of the storm water provisions of the Energy Independence and Security Act of 2007, section 438; and
 - Development of guidance for sustainable Federal building locations in alignment with the Livability Principles put forward by the Department of Housing and Urban Development, the Department of Transportation, and the Environmental Protection Agency.

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PREPARING FOR FUTURE DOD ISSUES

- Centralization
- DOD real estate for energy production and distribution, links to community and grid
- Major force and basing realignments
- Impact of global sea rise
- Consolidation (BRAC, Joint Basing, Ranges and Training Areas, Research and Development
- Leveraging best practices
- Transformational Initiatives
- Efficiencies shared services





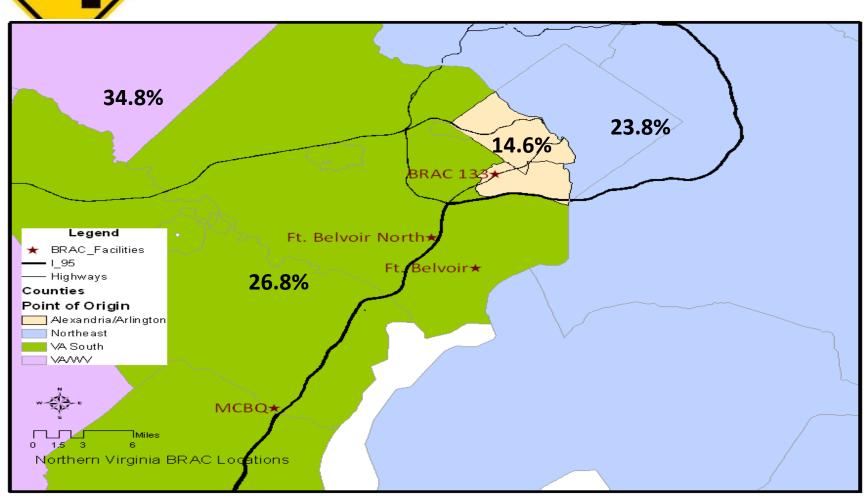


NEW REALITIES

- 44 States are anticipating budget shortfalls
- Defense budgets are shrinking
- Personnel management costs are increasing
- Continued risk in infrastructure
- Communities seeking to expand partnerships with military to effectively support DOD missions to meet similar objectives to be cost effective
- New models of Public-Public Partnerships are being sought

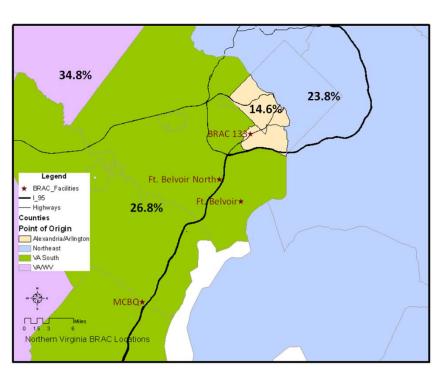


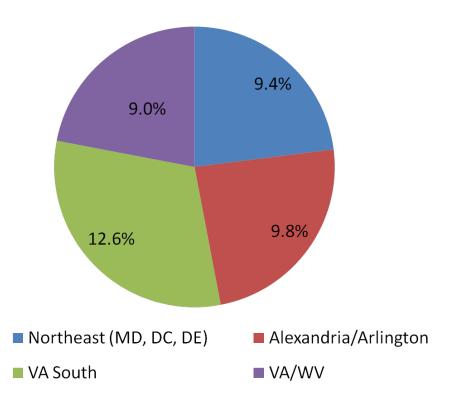
COMING AND GOING





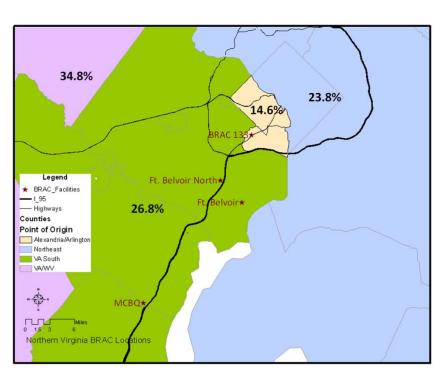
BRAC 133

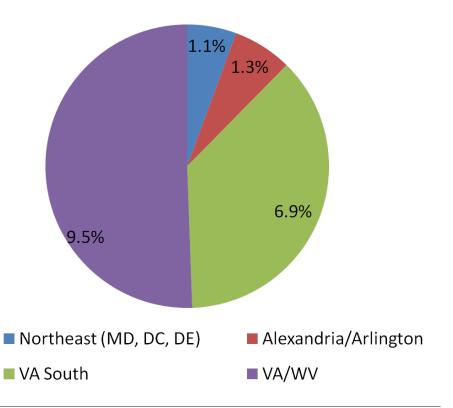






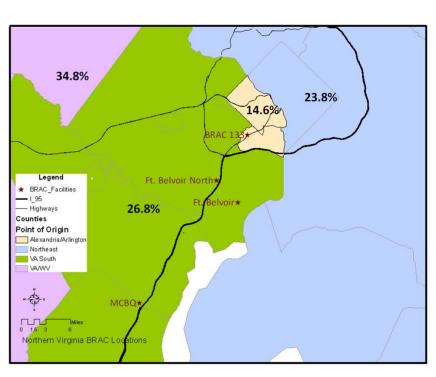
FORT BELVOIR

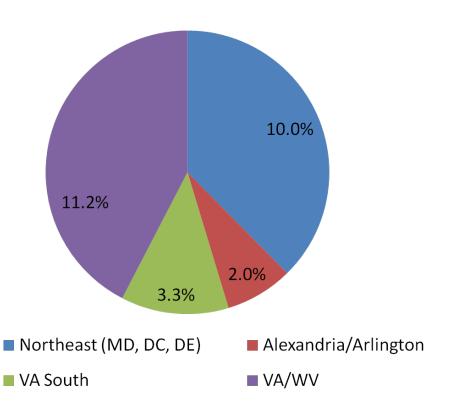






FORT BELVOIR NORTH





REGIONAL SOLUTIONS

- Monthly BRAC Rideshare Round Table with Agency TDM Coordinators
 - Resource Guide
- Identify Transit Gaps
- Regional Education and Outreach
- Multimodal Options
 - Commuter Boat on Potomac River
 - Dynamic Rideshare





Resource Guide

- Implement a Regional Transportation Demand Management (TDM) Program
- TDM Requires Strong Leadership
- Broaden Support to all major employment centers in NOVA
- Support BRAC Relocation Military Installations and Tenant Agencies
- Gather Data
- Create Baseline, Make use of Existing Roadway Capacity, Evaluation, Measure Success





COMMUTER BOAT TO SERVE UNMET NEEDS

- A New Commuter Service Option with East/West and South/North
- First Meeting September 23, 2010
- Next Meeting June 6, 2011
- Next Steps
 - Marketing Study
 - Operational Plan



Proposed Potomac River Commuter Ferry Stops - Quantico to Washington Washingt Pleasant Arlington Kett ane. Arlington Washington Pleasant Kett 665 Falls Church Oakton Capitol Merrifield [50] 295 [50] Seven Arlington Blvd Jefferson **WDC** Comers Dis [50] [29] (28) Heid Mantua Bailey's 395 Lake Fairfax Forestville Barcroft Crossroads Centreville Hillcrest Annandale Heights 95 Lee HWY 293 Brevinstown Dogue Lincolnia Vorth Creek Alexandria Alexandria ingfield 95 234 495 Burke Sudley Yorkshire Huntington 495 Rose Hill Sprii Bull Run Oxon Franconia Belle Haven Manassas West Gate Clifton Glassmanor **Night Vision** Rosaryville Park West Groveton Secure Springfield **National** Northern Virginai Friendly Regional Pk Manassas Harbor / Meadows Park Hybla Valley (123) Potomac Gaylord **Existing VRE** Airfield Newing Fort Hunt (28) @ Belmont (5) Davison Piscataway Creek Manassas Regional Mt Vernon Stream Valley Park Bay AAF Fort [301] Airport (Harry Washington P. Davis Field) Lorton Fort Belvoir 223 Pisca Brandywine Lake Ridge Occoquan Mount Marshall 242 Planned VRE @ Vernon 301 Accokeek **Harbor Station** Estate (227) Woo pridge (228) (234) Berry Rd (228) Belmont Bay Mason Neck (210) 225 State Park Dale City Ced 205 State Marshall Bryans Rd Hall 95 (227) Potomac Occoquan Bennsville Bay Quantico (229) 1 St Charles Indian Head Maryland (225) 12017 Prince William Naval Ordnance (5) (224) Forest Park Station. Indian Head Indian Head - 2 docking MCCDC. sites (225) Quantico Triangle (488) Chopawamsic Backcounty Area Habre de (224) La Plata Quantico 425 Quantico Station 301 16



BENEFITS

- 4 of the 11 of the proposed stops are Military Bases
 - Due to BRAC Relocations Critical Mass
 - Travel Time Savings by ferry vs. car
 - Another Alternative to Capacity Issues on I-95, 395 and Route 1
- Evacuation for unified emergency / disaster planning, operations, and recovery.



Connecting the Region

- Regional Coordination Assessment & Strategy Needed
 - Program Marketing and Evaluation
- TDM Toolkit to Include:
 - Subscription Bus Service by Agency
 - Telework



NEXT STEPS

- After BRAC Moves Complete Evaluate to Establish New Baseline
- Requires Strong Leadership at Community & Military
 - Support Garrison Command along with tenant agencies
- Broaden Support to all Major Employment Centers in Region
- Gather Data
 - How will we measure success if we do not have a base line to start from and ability to tell the story once the relocations are complete
- Map Resources