“BRAC Implementation: A Regional Effort”

MML
Harford/Cecil Chapter
April 15, 2010

Karen Holt
BRAC Manager
APG-CSSC Regional BRAC Office
"BRAC" is an acronym for *base realignment and closure*. It is the process DoD has previously used to reorganize its installation infrastructure to more efficiently and effectively support its forces, increase operational readiness, and facilitate new ways of doing business. DoD anticipates that BRAC 2005 will build upon processes used in previous BRAC efforts.

**Largest economic impact to this region since WWII**
BRAC 2005 and Aberdeen Proving Ground

- **8,500 jobs** on Post
  (civilian DoD and embedded contractors)

- **7,500-10,000** indirect jobs
  (Off-Post contractor tail)

- **28,000** direct, indirect & induced jobs to region
BRAC 2005
Incoming Organizations to APG

• Communications-Electronics Life Cycle Management Command (Ft. Monmouth, New Jersey)
• Communications Electronics Research Dev. And Engineering Center (Ft. Monmouth, New Jersey)
• Headquarters, Army Test and Evaluation Command (Virginia)
• Army Evaluation Center (Alexandria, Virginia)
• Vehicle Technology Directorate (Langley, Virginia/Ohio)
• Air Force non-medical chemical and biological defense/acquisition (Texas)
• Medical Chemical Defense Research of Walter Reed Institute of Research (Maryland)
• Information Systems Development and Acquisition (Alabama)
• Depot Level Repairable Procurement management and related functions (Arizona)
• Joint Program Executive Office for CBD (Falls Church, Virginia)
• Human Systems Research (Ft. Knox, Kentucky)
• Chemical Biological Defense Research component of the Defense Threat Reduction Agency (Ft. Belvoir, Virginia)
Impacts to the Chesapeake Science and Security Corridor (CSSC)

- More civilian jobs – technical, scientific, logistics
- Soldier population reduction; civilian influx
- Evolving defense community with concentration on research, development, test and evaluation (RDT&E)
- Mission moves complete & fully operational by September 15, 2011
CSSC Composition

Harford, Cecil, Baltimore, Baltimore City, MD

Member Jurisdictions

New Castle, DE; York, Lancaster, & Chester, PA
Baltimore Metropolitan Council, Greater Baltimore Committee, Economic Alliance of Greater Baltimore, and Wilmington Area Planning Council

Strategic Partners

Aberdeen Proving Ground Garrison - ad hoc military advisor

DoD Office of Economic Adjustments provides funding for regional planning projects

Harford County (home to APG) - lead agency on grant
CSSC Priorities

Transportation

Infrastructure

Workforce Development/Education
CSSC’s Vision: BRAC & Beyond

- Reflect on a successful BRAC implementation
- Continue focus on STEM education, K-20
- Expedite workforce mobility throughout the corridor
- Sustain an infrastructure that supports growth of a knowledge economy
- Enhance identity as a defense community
April 2007- Signed CSSC Memorandum of Understanding

January 2008- Sustainable Community Award from the National Association of Counties (NACo)

August 2009- CSSC Named Active Base Community of the Year by the Association of Defense Communities (ADC)

February 2010- MyReGISonline launched as regional land use planning tool for BRAC growth. www.myReGISonline.com
Regional Collaboration

- $7.2 million in OEA funds (Grant 3)
  *Planning* dollars for BRAC implementation

Operating costs for APG-CSSC
Regional BRAC Office and three personnel
Preparation ➔ Implementation

OEA has provided funding for 24 studies/assessments in support of BRAC implementation for the APG community

Multimodal Transportation Center
Regional GIS Initiative
Densification Monumentation
Regional Water Service Authority
Regional Workforce Analysis
Regional Community College Workforce Curriculum & Training Analysis
Route 40 Corridor Analysis
MD 7 Safety & Functionality
Methodology/Fiscal Impact of Development
First Zone Water System Evaluation

Sewer/Wastewater Capacity Studies
GIS Baseline Projects
HEAT Center Expansion Feasibility
Waste to Energy Traffic Study
Land Use Analysis/Econ Dev Plan
BRAC Impact/ New Ordinance Dev
MD 7 Safety & Functionality
Demographics Study
Capital Facilities Inventory
Environmental Studies,
  Parks & Rec
Waste to Energy, Effluent Reuse
Pre-BRAC APG Personnel Distribution

<table>
<thead>
<tr>
<th>Location</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harford County</td>
<td>62.50%</td>
</tr>
<tr>
<td>Cecil County</td>
<td>12.90%</td>
</tr>
<tr>
<td>Baltimore</td>
<td>8.60%</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>4.70%</td>
</tr>
<tr>
<td>Other Maryland</td>
<td>2.90%</td>
</tr>
<tr>
<td>Virginia</td>
<td>2.10%</td>
</tr>
<tr>
<td>Delaware</td>
<td>1.90%</td>
</tr>
<tr>
<td>Other States inc D.C.</td>
<td>1.30%</td>
</tr>
<tr>
<td>New Jersey</td>
<td>0.10%</td>
</tr>
</tbody>
</table>
## Projected BRAC Impacts to APG Region

**Mid Case Scenario**

*Sage Policy Group, September 2007*

<table>
<thead>
<tr>
<th></th>
<th>TOTAL</th>
<th>Harford</th>
<th>Baltimore</th>
<th>Cecil</th>
<th>Balt. City</th>
<th>New Castle</th>
<th>York</th>
<th>Lancaster</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Employment</strong></td>
<td>27,620</td>
<td>70%</td>
<td>18%</td>
<td>5%</td>
<td>3%</td>
<td>1%</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td><strong>Households</strong></td>
<td>16,682</td>
<td>42%</td>
<td>31%</td>
<td>12%</td>
<td>5%</td>
<td>2%</td>
<td>5%</td>
<td>2%</td>
</tr>
<tr>
<td><strong>Population</strong></td>
<td>45,042</td>
<td>42%</td>
<td>31%</td>
<td>12%</td>
<td>5%</td>
<td>2%</td>
<td>5%</td>
<td>2%</td>
</tr>
<tr>
<td><strong>Public School Population</strong></td>
<td>10,927</td>
<td>42%</td>
<td>31%</td>
<td>12%</td>
<td>5%</td>
<td>2%</td>
<td>5%</td>
<td>2%</td>
</tr>
</tbody>
</table>
# Early Movers Data

56% Renting – 44% Purchased Home

<table>
<thead>
<tr>
<th>Residing workers:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MARYLAND</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harford County</td>
<td>75.9%</td>
<td></td>
</tr>
<tr>
<td>Cecil County</td>
<td>13.0%</td>
<td></td>
</tr>
<tr>
<td>Baltimore County</td>
<td>1.9%</td>
<td></td>
</tr>
<tr>
<td>Baltimore City</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td><strong>PENNSYLVANIA</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lancaster County</td>
<td>3.7%</td>
<td></td>
</tr>
<tr>
<td>Chester County</td>
<td>1.9%</td>
<td></td>
</tr>
<tr>
<td>York County</td>
<td>0.0%</td>
<td></td>
</tr>
<tr>
<td><strong>DELAWARE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Castle County</td>
<td>3.7%</td>
<td></td>
</tr>
</tbody>
</table>
## Intent to Relocate

34% Rent, then purchase; 8% Rent long term; 40% Purchase; 14% Weekend commute, MD-NJ; Other 5%

Indications by likely residing workers:

### MARYLAND
- Harford County: 55%
- Cecil County: 18%
- Baltimore County: 5%
- Baltimore City: 3%

### PENNSYLVANIA
- Lancaster County: 2%
- York County: 3%

### DELAWARE
- New Castle County: 8%

### OTHER
- 6%

CSSC survey, administered as part of Regional Workforce Analysis with New Economy Strategies, July 2009, based upon 1212 survey responses.
BRAC and the Fort Monmouth Employee

- Median age is 47
- Average salary $87,000
- 50 - 60% indicate interest to move with job
  - College hires attribute to higher percentage
- 60% of existing workforce eligible to retire by 2011
- Security clearance required for at least 85% of jobs
Supporting a Paradigm Shift...

Extensive Outreach
Relo Fairs, motorcoach tours, orientations, etc.

Demonstrated Collaboration

Consistent Message

Empathy

20% ↑ 60%

...Growing our Defense Community
Workforce Attraction

• Wide variety of inbound positions
  – 77 different federal occupational classifications

• Occupational Categories

  Engineering/Science  40%
  Logistics/Supply/Maintenance  25%
  Administration/Business  15%
  Contracting  10%
  Clerk/Assistant  4%
  Information Technology  6%
Regional Workforce

- 200,000+ professionals within 60-minute commute
- 500,000+ professionals within 90-minute commute
Degree Requirements

© Beacon Associates, Inc. 2009
Quality of Life

Quality public education

Private, parochial and charter opportunities throughout the region

K-20 STEM focus

Extensive partnerships with higher education
Telling the “Quality of Life” Story

- Comprehensive, timely and accurate relocation information about the APG region
- Nine editions and 90,000+ copies distributed to BRAC-impacted DoD families, contractors and community
- Partnership with Army Alliance
- Tenth edition- Fall 2010
Outreach

Ft. Monmouth Relocation Fairs
Advanced Public Briefings to Industry
Army Team C4ISR Joint Symposium
Site Visits
Motor coach Tours
Job Fairs
Company Presentations
Resource Office/Communication
Clearinghouse
Construction Update on APG

- On Schedule
- Under Budget
- $994 million awarded to date; most awarded to firms within the region
- Occupancy begins Summer 2010
Phase I Campus Status

-$477M Contract

-9 new buildings, 1.5 million sf

-~5000 Personnel

-2-3 Months Ahead of Schedule

-Anticipated “Move In” Aug-Dec 2010
C4ISR Campus
<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Estimated Move In Dates</th>
<th>Domains</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMS Lab</td>
<td>31 Jul 10</td>
<td>Ground Based Radars, Multi-Intel, Sensors, Force Protection (FP), Night Vision (NVEO)</td>
</tr>
<tr>
<td>GMS Tower</td>
<td>31 Jul 10</td>
<td></td>
</tr>
<tr>
<td>HQ East</td>
<td>30 Sep 10</td>
<td>HQ, Business Enterprise Systems, Operations Support</td>
</tr>
<tr>
<td>HQ West</td>
<td>30 Sep 10</td>
<td></td>
</tr>
<tr>
<td>Auditorium</td>
<td>22 Sep 10</td>
<td></td>
</tr>
<tr>
<td>C2/CNT West</td>
<td>31 Oct 10</td>
<td>Command &amp; Control (C2), Navigation, Future Combat System (FCS)</td>
</tr>
<tr>
<td>Mission Training Facility</td>
<td>30 Oct 10</td>
<td>Mission Training Facility</td>
</tr>
</tbody>
</table>
Phase II Campus Status

- First Contract Awarded 20 April 2009
- Other Major Facility Contracts Awarded Aug-Sep 2009
- Projected “Move In” late Feb 2011
Aberdeen Proving Ground

Army Research Laboratory (ARL) Vehicle Technology Directorate

ATEC Headquarters

MRICD & Chem. Bio Defense Lab (Edgewood)
BRAC Activity: On the Move

- C4ISR Groundbreaking & Site Demo: Mar 08
- CACI Occupies first FIU bldg: Dec 08
- North Gate MITRE Bldg Steel Rising: Aug 09
- ATEC Groundbreaking: 10 Sep 09
- St John Properties, Inc.: holds groundbreaking for L-3 and Raytheon: Dec 09
- 1,600 gov’t jobs transferred: Dec 09
- Award final construction: begin equipment moves; move and hire personnel

- BRAC 2005 Decision
- CSSC Established
- MD 715 Gate Relocation awarded $34m: Jan 08
- JPEO Chem Bio Defense awarded $22.3m: Feb 09
- MRICD Occupancy begins: Jul 10
- Named Active Base Community of the Year: Aug 09
- C4ISR Phase II Total of 5 contracts for construction & renovation, first awarded $102m: Apr 09
- Phased moves to accommodate nearly 7,000 direct jobs to APG

- Regional Outreach - Motoroach Tours, Fairs, Presentations, Site Visits

- Completion of BRAC Implementations - September 15, 2011

- C4ISR Groundbreaking: 15 Sep 09
- JPEO Groundbreaking: 28 Oct 09
- ARL VTD Groundbreaking: 3 Sep 09
- 1,600 gov’t jobs transferred: Dec 09
- Award final construction: begin equipment moves; move and hire personnel
Challenges for the Chesapeake Science & Security Corridor (CSSC)

• Mobility of Workforce throughout Corridor
  – Rail/road/bus/shuttle (congestion)

• Infrastructure to support expedited growth to APG area

• Workforce readiness
  – Supply meets demand; timelines/criteria for gov’t hiring; competition among private and gov’t sectors
Economic Not-So-Good News

- Commercial development is feeling a crunch (spec v. contract);

- Niche skill requirements drive current gov’t hiring (acquisition, contracting, engineering + security clearance); result = “shell game”

Extreme commuter congestion- extensive delays projected under current roadway capacities
Transportation

• SHA Intersection Study (June 2008)
  Traffic study of operational analysis along MD 22, US 40, MD 543, MD 715, MD 155, MD 24, MD 152, MD 132 and MD 222

• 6 priority intersections were identified for short-term improvements:
  – US 40 @ MD 715 including Old Philadelphia Road
  – US 40/MD 155/MD 7A
  – MD 22 & Old Post Road
  – MD 22 & MD 462 (Paradise Road)
  – MD 22 & Beards Hill Road
Intersection Priorities
### Evening Peak Level of Service

<table>
<thead>
<tr>
<th>Intersection</th>
<th>Existing</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PM LOS</td>
<td>V/C</td>
</tr>
<tr>
<td>MD 22 at MD 132 A (Beards Hill Rd.)</td>
<td>D</td>
<td>0.68</td>
</tr>
<tr>
<td>MD 22 at MD 462 (Paradise Rd.)</td>
<td>B</td>
<td>0.64</td>
</tr>
<tr>
<td>MD 22 at US 40 Ramp</td>
<td>B</td>
<td>0.56</td>
</tr>
<tr>
<td>MD 22 at MD 132 B (Old Post Rd.)</td>
<td>D</td>
<td>0.96</td>
</tr>
<tr>
<td>MD 132 at MD 132 A (Beards Hill Rd.)</td>
<td>C</td>
<td>0.88</td>
</tr>
<tr>
<td>MD 132 at MD 462 (Paradise Rd.)</td>
<td>B</td>
<td>0.59</td>
</tr>
<tr>
<td>MD 132 at US 40</td>
<td>C</td>
<td>0.68</td>
</tr>
<tr>
<td>MD 715 at Old Philadelphia Rd</td>
<td>B</td>
<td>0.58</td>
</tr>
<tr>
<td>US 40 at Old Philadelphia Rd</td>
<td>C</td>
<td>0.90</td>
</tr>
</tbody>
</table>
Caution: Delays Ahead

<table>
<thead>
<tr>
<th>Road Segment</th>
<th>Travel Time (Observed) EB/NB</th>
<th>Travel Time (Simulated) EB/NB</th>
<th>Travel Time 2015 EB/NB</th>
</tr>
</thead>
<tbody>
<tr>
<td>US 40, Old Philadelphia Road to MD 22</td>
<td>5.5</td>
<td>5.9</td>
<td>19.5</td>
</tr>
<tr>
<td>MD 22, I-95 to US 40</td>
<td>3.9</td>
<td>4.0</td>
<td>6.5</td>
</tr>
<tr>
<td>MD 132, I-95 to US 40</td>
<td>4.7</td>
<td>4.1</td>
<td>17.6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Road Segment</th>
<th>Travel Time (Observed) WB/SB</th>
<th>Travel Time (Simulated) WB/SB</th>
<th>Travel Time 2015 WB/SB</th>
</tr>
</thead>
<tbody>
<tr>
<td>US 40, MD 22 to Old Philadelphia Road</td>
<td>5.0</td>
<td>4.8</td>
<td>15.3</td>
</tr>
<tr>
<td>MD 22, US 40 to I-95</td>
<td>4.1</td>
<td>4.4</td>
<td>32.3</td>
</tr>
<tr>
<td>MD 132 (Bel Air Avenue), US 40 to I-95</td>
<td>5.1</td>
<td>4.9</td>
<td>43.1</td>
</tr>
</tbody>
</table>
Economic Good News

- 28 defense contractors have relocated to the APG community in the past six months

- 40 percent of all commercial development occurring in the nation is happening in Baltimore Washington corridor

- Harford & Cecil housing markets are holding their own

- Maryland public schools ranked #1 for 2nd year!
QUESTIONS?

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