



BOARD OF DIRECTORS

April 13, 2016
12:00 - 2:00 P.M.
Walter A. Scheiber Board Room

AGENDA

- 12:00 P.M.** **1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**
Roger Berliner, COG Board Chairman
- 12:05 P.M.** **2. ANNOUNCEMENTS**
Roger Berliner, COG Board Chairman
- A. Foster Parents of the Year Awards and Reception – May 11
 B. Metro Forum Debrief and Action Steps
- 12:10 P.M.** **3. EXECUTIVE DIRECTOR'S REPORT**
Chuck Bean, COG Executive Director
- 12:15 P.M.** **4. AMENDMENTS TO THE AGENDA**
Roger Berliner, COG Board Chairman
- 12:20 P.M.** **5. APPROVAL OF THE MINUTES FROM MARCH 9, 2016**
Roger Berliner, COG Board Chairman
- 12:25 P.M.** **6. ADOPTION OF CONSENT AGENDA ITEMS**
Roger Berliner, COG Board Chairman
- A. Resolution R15-2016 – Resolution ratifying COG Board Executive Committee's approval to authorize COG to procure and enter into a contract for Metro Safety Commission legal support services
- B. Resolution R16-2016 – Resolution ratifying COG Board Executive Committee's approval to authorize COG to procure and enter into a contract to provide assistance with the State Safety Oversight program
- C. Resolution R17-2016 – Resolution authorizing COG to enter into a contract to provide audit and tax services for the fiscal year ending June 30, 2016
- D. Resolution R18-2016 – Resolution approving the update to the draft round 9.0 Cooperative Forecasts
- E. Resolution R19-2016 – Resolution authorizing COG to enter into contracts with selected vendors to build out office space
- F. Resolution R20-2016 – Resolution authorizing COG to enter into contracts with local jurisdictions to provide fire liaison officers to staff the WMATA rail operations control center (UASI funding)
- G. Resolution R21-2016 – Resolution authorizing COG to submit a planning grant application and execute a grant contract with the Federal Aviation Administration to conduct Phase 31 of the Continuous Airport System Planning Program

Recommended Action: Ratify Resolutions R15-2016 and R16-2016. Adopt Resolutions R17-2016 – R21-2016.

- 12:30 P.M. 7. CHESAPEAKE BAY AND WATER RESOURCES POLICY COMMITTEE 2016 PRIORITIES**
Craig Rice, Chesapeake Bay and Water Resources Policy Committee Chairman
- Chairman Rice will review the Chesapeake Bay and Water Resources Policy Committee's priorities and activities for 2016, including the current issue of lead in drinking water.
- Recommended Action: Receive briefing.**
- 12:50 P.M. 8. MULTI-SECTOR WORKING GROUP (MSWG) UPDATE**
Stuart Freudberg, COG Deputy Director
- The Metropolitan Washington Air Quality Committee; the Climate, Energy and Environment Policy Committee; and the Transportation Planning Board asked the Council of Governments to convene a multi-sector, multi-disciplinary workgroup to examine local, regional, and state actions needed to reduce the region's greenhouse gases. Stuart Freudberg will provide an update on the group's work.
- Recommended Action: Receive briefing.**
- 1:00 P.M. 9. SEVEN INDUSTRY CLUSTERS WITH HIGH ECONOMIC POTENTIAL**
Dr. Doug Meade, University of Maryland Inforum Director of Research
- The Interindustry Forecasting at the University of Maryland (Inforum) is dedicated to improving business planning, government policy analysis, and the general understanding of the economic environment. Inforum Director of Research Doug Meade will brief the board on the seven industrial clusters that can drive the region's economic development over the coming decade.
- Recommended Action: Receive briefing.**
- 1:30 P.M. 10. BRANDING THE REGION'S BIO-TECH CLUSTER**
Jarrod Borkat, MedImmune Task Force Chairperson
- MedImmune and other regional stakeholders believe there is an opportunity to promote the region's biotech industry in a coordinated manner. MedImmune is exploring the possibility of developing a regional brand that distinguishes the region as a biotech hub. MedImmune Task Force Chairperson Jarrod Borkat will brief the board on this initiative.
- Recommended Action: Receive briefing.**
- 1:55 P.M. 11. OTHER BUSINESS**
- 2:00 P.M. 12. ADJOURN**

The next meeting is scheduled for May 11, 2016.

Reasonable accommodations are provided upon request, including alternative formats of meeting materials. For more information, visit: www.mwcog.org/accommodations or call (202) 962-3300 or (202) 962-3213 (TDD)

AGENDA ITEM #2

ANNOUNCEMENTS



April 13, 2016

Dear COG Board Member:

To recognize the outstanding foster parents in our communities, COG is hosting **Families Like Yours: Foster Parent of the Year Reception on Wednesday, May 11, 2016 at 10:30 A.M.** directly before the board meeting. COG Board members are invited to attend the reception and meet their jurisdiction's outstanding parents before the start of the regular board meeting.

Wednesday May 11, 2016 10:30 A.M. – 12:00 P.M.

Foster Parent of the Year Reception Meet and Greet
Individual Photos with Foster Parent of the Year
Video Premiere

At a moment's notice, foster parents open their homes and hearts to abused or neglected children for weeks, months, or even years. Foster parents play a vital role in the lives of these children by giving them unconditional love in a safe, supportive, and nurturing home, helping them to heal from the trauma they experienced and thrive.

There are close to 1,700 foster parents throughout our region. Please join COG in celebrating some of those who have provided exemplary care to local children growing up in foster care. These wonderful, caring families are not only our neighbors and friends; they are families just like yours.

We sincerely hope you are able to join us the morning on May 11th to celebrate these extraordinary individuals. Kindly RSVP and direct questions to Ashley Peay at (202) 962-3263 or apeay@mwkog.org.

Sincerely,

A handwritten signature in black ink that reads "Chuck Bean".

Chuck Bean
Executive Director
Metropolitan Washington Council of Governments

AGENDA ITEM #3

EXECUTIVE DIRECTOR'S REPORT



EXECUTIVE DIRECTOR'S REPORT

April 2016

COMMITTEE WORK FEATURE OUTREACH CALENDAR MEDIA

Policy Boards & Committees

NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD (TPB)

The TPB voted to include transportation projects – such as proposals to expand and convert I-395 HOV lanes inside the Capital Beltway to Express Lanes and to expand the District of Columbia’s dedicated bicycle lane network – in an air quality analysis for the 2016 amendment of the region’s Constrained Long-Range Plan (CLRP). Transportation projects must first meet federal air quality standards to be included in the CLRP. The TPB will vote on the final 2016 CLRP Amendment in November.

CLIMATE, ENERGY, AND ENVIRONMENT POLICY COMMITTEE (CEEPC)

A panel of corporate leaders from Mars, National Geographic, Siemens, and Vermont Energy Investment Corporation (VEIC) spoke before CEEPC at its March meeting. The panel shared sustainability program best practices and discussed how government and businesses can work together to promote sustainability. COG also updated CEEPC members on plans to develop a corporate sustainability report to establish a baseline of metrics and actions for its internal operations and management.

CHESAPEAKE BAY AND WATER RESOURCES POLICY COMMITTEE (CBPC)

At its March meeting, CBPC members were briefed on water quality trading as an important tool for providing flexibility to local governments in achieving their Chesapeake Bay total maximum daily load (TMDL) pollution reduction goals and addressing growth. Members also agreed to evaluate the COG Board’s Water Quality Policy Principles to ensure that they support such programs.



Event Highlight: METRO SUMMIT

COG and the Greater Washington Board of Trade sponsored a summit to discuss the future of the Metro system. The event, which was held during the week of Metrorail’s 40th anniversary, was attended by more than 100 government, business, and civic leaders who addressed issues related to funding, safety, reliability, and governance. *(Pictured Left to Right: Roger Berliner, Jack Evans, Paul Wiedefeld, and Daniel Waetjen)*

[CLICK HERE FOR THE EVENT RECAP](#)

WATER CONTAMINATION TABLETOP EXERCISE

COG staff hosted the Health Officials Committee and area water utilities and emergency managers for a tabletop exercise in March to practice preparing for, managing, and responding to consequences resulting from a water contamination incident.

CLIMATE ACTION CHAMPION GRANT OPPORTUNITIES

COG and its member governments' designation as White House Climate Action Champions has earned the region two U.S. Department of Energy technical assistance opportunities. The grants include \$110,000 to evaluate microgrid potential at sites across the region, and \$50,000 for a geothermal site assessment and feasibility study for the City of Falls Church Campus Redevelopment site.

USDA FOODLINC INITIATIVE

COG will administer a U.S. Department of Agriculture (USDA) initiative meant to bolster the supply chain to connect local farmers with the growing demand for local and regional food. As part of the FoodLINC initiative, COG will bring a full time coordinator on board to work with a range of stakeholders along the region's food value chain, increasing the flow of local products from farm to plate.

THE FUTURE OF INNOVATIVE TRANSPORTATION

Executive Director Chuck Bean facilitated a discussion at a Northern Virginia Chamber of Commerce event on "The Future of Innovative Transportation," which included panelists from AAA, Transurban, Uber, and more.

BACKUP POWER EXERCISE

The Upper Occoquan Service Authority (UOSA) partnered with COG and the U.S. Army's 249th Prime Power Battalion to practice using the Army Corps' mobile electrical generators to power the Flat Branch Pump Station in Prince William County. Flat Branch is an essential part of the region's water infrastructure.

ANIMAL SERVICES AWARDS

COG's Animal Services Committee honored animal control officers, rescuers, volunteers, and others for outstanding performance in the fields of domestic and wildlife animal welfare. Twenty-four awards were presented to the personnel and others by WUSA's Stephanie Ramirez.

PROTECT YOUR PIPES CAMPAIGN

COG's Community Engagement Campaign (CEC) has launched the Protect Your Pipes initiative, www.protectyourpipes.org, to engage with the region's residents about protecting critical infrastructure and source water by disposing of waste responsibly. The CEC is a partnership between COG and regional water and wastewater members.



Purchasing Series:
**HARNESSING OUR PURCHASING POWER -
GASOLINE FUEL**

Several local governments, public school systems, transportation authorities, and water utilities, participated in a COG cooperative contract for the purchase of gasoline fuel. Through volume purchasing, the contract has saved participants time, resources, and millions of dollars annually. *(Photo: Zach Sparks, The Severna Park Voice)*

[CLICK HERE FOR THE ARTICLE](#)

TRANSPORTATION PLANNING BOARD - April 20

COG BOARD OF DIRECTORS - May 11
Foster Parents of the Year to be recognized at the meeting.

BIKE TO WORK DAY - May 20

[CLICK HERE FOR MORE ABOUT THESE AND OTHER COG MEETINGS & EVENTS](#)

SUMMIT ATTENDEES CONSIDER NEXT 40 YEARS OF METRO

At a summit on the future of Metrorail, area leaders discussed how they can work together to restore the transit system’s “world-class” reputation. [CLICK HERE FOR THE WASHINGTON POST ARTICLE.](#)

METRO SHUTS DOWN ENTIRE RAIL SYSTEM, COMMUTERS SEEK TRANSPORTATION ALTERNATIVES

Metro shut down its entire rail system for 29 hours on March 15 to perform safety checks throughout the system. Ahead of the shutdown, COG Executive Director Chuck Bean advised residents to seek alternate travel options and consult resources provided by Commuter Connections on carpooling, biking, and more. [CLICK HERE FOR THE WASHINGTON BUSINESS JOURNAL ARTICLE.](#)

Following the shutdown, COG Transportation Planning Director Kanti Srikanth weighed in on the ability of the region’s commuters to adapt to this event. [CLICK HERE FOR THE WASHINGTON POST ARTICLE.](#)

COG PREDICTS REGIONAL POPULATION, JOB GROWTH BY 2045

The region is projected to add 1.5 million people and 1.1 million new jobs by 2045, according to the Cooperative Forecasts developed by COG and local government planning departments. The number of jobs will grow the most (58 percent) in the outer suburbs, such as Loudoun County and Prince William County. The District of Columbia will experience the most population growth (46.9 percent). [CLICK HERE FOR THE WTOP ARTICLE.](#)

BIKE TO WORK DAY REGISTRATION OPENS

Registration for Bike to Work Day (BTWD) is now open. The event will take place this year on May 20. BTWD encourages commuters to consider biking to work and has continued to grow in the number of participants each year, said Nicholas Ramfos, Director of Commuter Connections. Last year, more than 17,500 people throughout the region participated. [CLICK HERE FOR THE DCIST ARTICLE.](#)



Member Feature:
Q&A WITH CRAIG RICE

Montgomery County Councilmember Craig Rice serves as Chairman of COG’s Chesapeake Bay and Water Resources Policy Committee. We sat down with Chairman Rice to discuss his career in public service, and to hear how his committee is working to protect one of the region’s most important resources.

[CLICK HERE FOR THE ARTICLE.](#)



Metropolitan Washington Council of Governments

CAPITAL REGION CONNECTIONS



News about the Council of Governments and our Members

March 17, 2016

Connect With Us



Featured Publication



The 2015 COG Annual Report and 2016 Regional Directory lists contact information of area government officials and highlights COG and its members work. View the publication [here](#).

Calendar

COG Board of Directors
April 13

Transportation Planning Board
April 20

[More Events/Meetings](#)

ICYMI on Twitter

The Council of Governments and our members and partners are active participants on social media. Here's a sampling of some tweets--in case you missed it--to show the wide array of topics covered on Twitter.

DCist

COG, Area Governments Predict Population and Employments Trends

The region will add more than 1.5 million people and 1.1 million jobs over the next 30 years, according to the Cooperative Forecasts developed jointly by COG and local planning departments. The region's central jurisdictions will experience the fastest change in population growth by 2045, while the region's outer suburbs will experience the fastest rate of employment growth during this time span. [Read more.](#)

GMU Economist Briefs COG Board About Region's Future

Dr. Stephen Fuller, George Mason University (GMU) Center for Regional Analysis Director of Special Projects, briefed the COG Board of Directors about the future of the region's economy. With recent federal cutbacks, Fuller emphasized the importance of diversifying the economy and focusing on advanced industries.



[Read more.](#)

Regional Delegation Heads to Cuba

Officials from the District of Columbia, Maryland, and Virginia traveled to Cuba to build relationships and explore economic development opportunities for the region. Montgomery County Councilmember Nancy Navarro shared her experience from the trip. (Pictured above: Roger Berliner, Maurice Jones, Muriel Bowser, Jeffrey DeLaurentis, Ike Leggett, Nancy Navarro, and Jack Evans. Photo credit: Nancy Navarro).




[Read more.](#)

TPB Votes to Include Regional Transportation Projects in Air Quality Analysis


Members of the Transportation Planning Board (TPB) voted to include transportation projects – such as proposals to expand and convert I-395 HOV lanes inside the Capital Beltway to Express Lanes and to expand the District of Columbia's dedicated bicycle lane network – in an air quality analysis for the 2016 amendment of the region's Constrained Long-Range Plan (CLRP). [Read more.](#)

@DCist

 Bike to Work Day has ramped up this year with 83 pit stops across the region. <http://bit.ly/1SSQMSM>

Robert McCartney

@McCartneyWP

 Washington is expected to just keep on growing — to nearly 1 million residents <http://wpo.st/TaYK1>

About COG




The Council of Governments is an independent, nonprofit association where area leaders address regional issues affecting the District of Columbia, suburban Maryland and Northern Virginia. COG's membership is comprised of 300 elected officials from 22 local governments, the Maryland and Virginia state legislatures, and U.S. Congress

Heart of COG: Lynn Winchell-Mendy

Earlier this year, the TPB approved nearly \$8 million in funding for projects to address the transportation needs of older adults and persons with disabilities across the region, made possible by the FTA's Enhanced Mobility Program. COG Transportation Planner Lynn Winchell-Mendy plays a central role in guiding grantees through this process. [Read more.](#)   






Wheelchair Accessible Taxi Fleets Expand in the District of Columbia

Area transportation companies Yellow Cab Company of D.C. and Royal have added a total of 13 new wheelchair accessible taxis to their fleets, thanks to a grant from the TPB. The 13 new vehicles will help the companies meet the demand for Transport DC and comply with District regulations requiring that 12 percent of each fleet be wheelchair accessible by December 31, 2016. [Read more.](#)   

Global Cities Initiative Convenes Steering Committee

Area leaders nominated by COG, the Greater Washington Board of Trade, and the Consortium of Universities gathered in Washington, D.C. for their first meeting as the Greater Washington Global Cities Initiative (GCI) Steering Committee. The group discussed the timeline for this joint project, the state of global trade in the region, and the development of a market assessment (expected in June). [Learn more about GCI.](#)   

COG is a Sustainable Purchasing Leadership Council Summit Partner

The Sustainable Purchasing Leadership Council Summit is May 24-26 at Gallaudet University. As a Summit Partner, COG members can receive a 10 percent discount on the full conference by entering MWCOG2016 when registering online. Register before March 25 to receive an early bird rate. [Register.](#)   

AGENDA ITEM #4

AMENDMENTS TO THE AGENDA

AGENDA ITEM #5

APPROVAL OF THE MINUTES FROM MARCH 9, 2016

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 North Capitol Street, NE
Washington, D.C. 20002**

**MINUTES
Board of Directors Meeting
March 9, 2016**

BOARD MEMBERS AND ALTERNATES: See attached chart for attendance.

STAFF:

Chuck Bean, Executive Director
Sharon Pandak, General Counsel
Paul DesJardin, Community Planning and Services Director

GUESTS:

Angela Franco, Greater Washington Hispanic Chamber of Commerce President and CEO
David Levy, Planning Directors Technical Advisory Committee Chairman
Dr. Stephen Fuller, George Mason University Center for Regional Analysis Director of Special Projects
Jim Dinegar, Greater Washington Board of Trade President and CEO

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Roger Berliner called the meeting to order at 12:08 P.M. and led those present in the Pledge of Allegiance.

2. ANNOUNCEMENTS

- A. Cuba Trip Highlights – Roger Berliner shared his experience as a member of the regional delegation of more than 40 government and business leaders that participated in a joint trade mission to Cuba. Greater Washington Hispanic Chamber of Commerce President and CEO Angela Franco discussed highlights from the mission, including meetings with Cuban officials and exploring opportunities related to health, education, tourism, and infrastructure.

3. EXECUTIVE DIRECTOR'S REPORT

Executive Director Chuck Bean briefed the board on the public comment process for the region's transportation constrained long-range plan and air quality maintenance plan. Bean noted that in March, COG hosted an informational briefing with the Centers for Disease Control for members about the Zika virus. Bean also noted that at its February meeting, the Emergency Preparedness Council reviewed the region's response to the January 20 snow/ice event. Bean recognized Heart of COG Lynn Winchell for her work on the Federal Transit Administration's Enhanced Mobility Program. Additionally, Bean highlighted recent media coverage, including Washington Post and WTOP articles, announcing that our application to the Global Cities Initiative was accepted by JPMorganChase and Brookings.

4. AMENDMENTS TO AGENDA

There were no amendments to the agenda.

5. APPROVAL OF MINUTES

The minutes of the February 10, 2016 board meeting were approved.

6. ADOPTION OF CONSENT AGENDA ITEMS

- A. Resolution R11-2016 – Resolution authorizing COG to seek funding from the Phillip L. Graham Fund to support child welfare, foster care, and Wednesday’s Child programs
- B. Resolution R12-2016 – Resolution authorizing COG to seek funding from the Meyer Foundation to support child welfare, foster care, and Wednesday’s Child programs
- C. Resolution R13-2016 – Resolution authorizing COG to enter into a contract to guide the District of Columbia Government through a collaborative after-action review of the 2016 winter storm

ACTION: The board ratified Resolutions R11-2016 – R13-2016.

7. APPROVAL OF DRAFT ROUND 9.0 COOPERATIVE FORECASTS

Planning Directors Technical Advisory Committee Chairman David Levy provided background information about the history and process for developing the Cooperative Forecasts. COG Community Planning and Services Director Paul DesJardin discussed the results from the Cooperative Forecasts, including population, employment, and household trends and predictions for the region until 2045. The board approved the draft Round 9.0 Forecasts for use by the Transportation Planning Board in the Air Quality Conformity Analysis of the 2016 Financially Constrained Long Range Transportation Plan and the FY 2017-2022 Transportation Improvement Program.

ACTION: The board received briefing and adopted Resolution R14-2016.

8. WASHINGTON REGION’S FUTURE ECONOMY

Dr. Stephen Fuller, George Mason University Center for Regional Analysis Director of Special Projects, briefed the board on the urgency for repositioning the metropolitan Washington region’s economy for future growth, replacing its dependency on federal spending with non-federally dependent businesses serving non-local markets.

ACTION: Received briefing.

9. THE IMPORTANCE OF METRO TO THE ECONOMY

Greater Washington Board of Trade President and CEO Jim Dinegar discussed the importance of a world-class Metro system to the economic success of our region and briefed the board on the goals of the Metro Forum on March 30, 2016.

ACTION: Received briefing.

10. OTHER BUSINESS

There was no other business.

11. ADJOURN

Upon motion duly made and seconded, the meeting was adjourned at 1:56 P.M.

March 2016 Attendance

<u>Jurisdiction</u>	<u>Member</u>	<u>Y/N</u>	<u>Alternate</u>	<u>Y/N</u>
<i>District of Columbia</i>				
Executive	Hon. Muriel Bowser		Brenda Donald Brian Kenner Beverly Perry	Y
	Mr. Rashad Young			
Council	Hon. Phil Mendelson	Y		
	<i>Hon. Kenyan R. McDuffie</i>	Y		
<i>Maryland</i>				
Bowie	Hon. G. Frederick Robinson			
Charles County	Hon. Ken Robinson	Y	Hon. Amanda Stewart Hon. Peter Murphy	
City of Frederick	Hon. Randy McClement			
Frederick County	Hon. Jan Gardner		Mr. Roger Wilson	Y
College Park	Hon. Patrick Wojahn	Y	Hon. Monroe Dennis	
Gaithersburg	Hon. Neil Harris	Y	Hon. Jud Ashman	
Greenbelt	Hon. Emmett Jordan	Y	Hon. Judith "J" Davis	
Montgomery County				
Executive	Hon. Isiah Leggett		Mr. Tim Firestine	
Council	<i>Hon. Roger Berliner</i>	Y		
	Hon. Nancy Navarro			
Prince George's County				
Executive	Hon. Rushern Baker		Mr. Nicholas Majett	Y
Council	Hon. Karen Toles	Y		
	Hon. Derrick Leon Davis	Y		
Rockville	Hon. Bridget Newton	Y		
Takoma Park	Hon. Kate Stewart		Hon. Peter Kovar	Y
Maryland General Assembly	Hon. Brian Feldman			
<i>Virginia</i>				
Alexandria	Hon. Allison Silberberg	Y	Hon. Redella Pepper	
Arlington County	Hon. Christian Dorsey	Y		
City of Fairfax	Hon. David Meyer		Hon. Jeffrey Greenfield	
Fairfax County	Hon. Sharon Bulova	Y	Hon. Catherine Hudgins	
	Hon. Penelope A. Gross	Y	Hon. Patrick Herrity	
	Hon. John Foust	Y	Hon. Kathy Smith	
Falls Church	Hon. David Tarter	Y	Hon. David Snyder	
Loudoun County	<i>Hon. Matt Letourneau</i>	Y		
Loudoun County	Hon. Phyllis Randall	Y		
Manassas	Hon. Jonathan Way	Y		
Manassas Park	Hon. Michael Carrera		Hon. Suhas Naddoni	
Prince William County	Hon. Frank Principi		Pete Candland	
	Hon. Ruth Anderson	Y		
Virginia General Assembly	Hon. George Barker			

Total: 24

AGENDA ITEM #6

ADOPTION OF CONSENT AGENDA ITEMS

ADOPTION OF CONSENT AGENDA ITEMS

- A. Resolution R15-2016 – Resolution ratifying COG Board Executive Committee’s approval to authorize COG to procure and enter into a contract for Metro Safety Commission legal support services**

The Executive Committee approved Resolution R15-2016 on March 11, 2016. The board will be asked to ratify Resolution R15-2016, authorizing the Executive Director or his designee to procure contractor(s) and expend up to \$325,000 on contractor assistance to provide legal support services to assist the District of Columbia, the State of Maryland, and the Commonwealth of Virginia in the establishment of the Metro Safety Commission. Funding for this effort is available in the COG budget from the FTA SSO grant being administered through COG’s Department of Transportation Planning. **No COG matching funds are required.**

RECOMMENDED ACTION: Ratify Resolution R15-2016.

- B. Resolution R16-2016 – Resolution ratifying COG Board Executive Committee’s approval to authorize COG to procure and enter into a contract to provide assistance with the State Safety Oversight program**

The Executive Committee approved Resolution R16-2016 on March 11, 2016. The board will be asked to ratify Resolution R16-2016, authorizing the Executive Director or his designee to enter into a contract(s) and expend up to \$650,000 to provide contractor assistance in supporting the State Safety Oversight Agency (SSO) grant program funds to facilitate the establishment of the Metro Safety Commission (MSC) and to fulfill FTA grant management requirements. Funding for this effort is available in the COG budget from the FTA SSO grant being administered through COG’s Department of Transportation Planning. **No COG matching funds are required.**

RECOMMENDED ACTION: Ratify Resolution R16-2016.

- C. Resolution R17-2016 – Resolution authorizing COG to procure and enter into a contract to provide audit and tax services for the fiscal year ending June 30, 2016**

The board will be asked to adopt Resolution R17-2016, authorizing the Executive Director, or his designee, to expend funds in the amount not to exceed \$76,000 to enter into a contract with PBMares, LLC to provide audit and tax services for the fiscal year ending June 30, 2016. The procurement will be made on behalf of the Audit Committee, which has selected the contractor based on a competitive procurement process and Board Resolution R20-2015, Criteria for External Audit Firm Selection and Retention. Funding for this effort is available in the budget of the Office of Finance and Accounting.

RECOMMENDED ACTION: Adopt Resolution R17-2016.

- D. Resolution R18-2016 – Resolution approving the update to the draft round 9.0 Cooperative Forecasts for use in the Air Quality Conformity Analysis of the 2016 CLRP Amendment and 2017-2022 TIP**

The board will be asked to adopt Resolution R18-2016 approving the update to the draft round 9.0 Cooperative Forecasts (shown in the attached tables) for use by the TPB. The revised forecasts include technical corrections to the Frederick County, the City of Rockville,

Prince George's County, Loudoun County, the City of Alexandria, and Prince William County draft projections, resulting in less than 0.5 percent change to the regional forecasts.

RECOMMENDED ACTION: Adopt Resolution R18-2016.

E. Resolution R19-2016 – Resolution authorizing COG to enter into contracts with selected vendors to build out office space

The board will be asked to adopt Resolution R19-2016 authorizing the Executive Director, or his designee, to expend funds in the amount not to exceed \$140,000 to convert underutilized work areas into office space. The project will allow COG to provide needed space for the Office of Finance and Accounting, and the Cooperative Purchasing program. The resolution further authorizes the Executive Director, or his designee, to enter into contracts with qualified entities to provide and/or complete the necessary services. Such contracts shall result from COG's competitive procurement system. The resolution authorizes the use of undesignated net assets for the capital expenditure. The related depreciation expense is included in the FY2016 and FY2017 Work Program and Budget.

RECOMMENDED ACTION: Adopt Resolution R19-2016.

F. Resolution R20-2016 – Resolution authorizing COG to enter into contracts with local jurisdictions to provide fire liaison officers to staff the WMATA Rail Operations Control Center

The board will be asked to adopt Resolution R20-2016 authorizing the Executive Director, or his designee, to receive and expend grant funds from District of Columbia Homeland Security and Emergency Management Agency in the amount of \$140,175. COG has been requested by the District of Columbia to enter into contracts to obtain the services of Fire Liaison Officers from local jurisdictions to staff two shifts Monday through Friday through September 2016 at the WMATA Rail Operations Control Center. Funding for this effort will be provided through a subgrant from the SAA for the National Capital Region and supplements WMATA funding. **No COG matching funds are required.**

RECOMMENDED ACTION: Adopt Resolution R20-2016.

G. Resolution R21-2016 – Resolution authorizing COG to submit a planning grant application and execute a grant contract with the Federal Aviation Administration to conduct Phase 31 of the Continuous Airport System Planning Program

The board will be asked to adopt Resolution R21-2016 authorizing the Executive Director, or his designee, to submit a planning grant application and execute a grant contract with the Federal Aviation Administration to conduct Phase 31 of a multi-year program for Continuous Airport System Planning for the National Capital Region in an amount not to exceed \$277,778. This application and subsequent grant contract would include the 2015 Air Passenger Survey and the Comprehensive Regional Air System Plan Update. The FAA will provide funds in the amount of \$250,000, ninety percent of the project total cost. The ten percent match, \$27,778, will be provided from budgeted local funds. The Executive Director, or his designee, is further authorized, if necessary, to enter into contracts with qualified firms to provide specialized support in performance of the grant requirements.

RECOMMENDED ACTION: Adopt Resolution R21-2016.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT FOR METRO SAFETY
COMMISSION (MSC) LEGAL SUPPORT SERVICES**

WHEREAS, the Federal Transit Administration (FTA) and the District of Columbia, State of Maryland, and Commonwealth of Virginia have designated COG to serve as the recipient of State Safety Oversight Agency (SSO) grant program funds to facilitate the establishment of the Metro Safety Commission (MSC) and to fulfill FTA grant management requirements; and

WHEREAS, these activities were approved in TOC's MAP-21 5329(e) Certification Work Plan, dated May 16, 2014. Federal Fiscal Year 2013 funds will be used for this project which is an approved line item in the FY2013 SSOA grant application submitted by COG and approved by the FTA on September 22, 2016; and

WHEREAS, COG is the designated recipient of FTA SSO funds and assistance will be provided to the District of Columbia, Maryland and Virginia regarding issues related to establishing a strong MSC with sufficient authority to compel rail safety-promoting actions at WMATA; and

WHEREAS, the outcome is for the MSC to be established as an independent legal entity which will assume the enhanced responsibilities of the SSOA to oversee the safety of WMATA Metrorail operations consistent with FTA requirements for a SSO; and

WHEREAS, COG needs to procure contractor(s) and enter into a contract to provide legal support services to assist the District of Columbia, the State of Maryland, and the Commonwealth of Virginia in the establishment of MSC.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

The Executive Director, or his designee, is authorized to enter a contract(s) and expend up to \$325,000 on contractor assistance in supporting the three states with legal support services that will lead to the establishment of the MSC. Legal support services will provide legal advice and assistance in studying and developing the policy, regulatory and legislative requirements of establishing and standing up the MSC in cooperation with the District of Columbia, Maryland and Virginia.

Funding for this effort is available in the COG budget from the FTA SSO grant being administered through COG's Department of Transportation Planning in the amount of \$325,000. No COG matching funds are required.

I HEREBY CERTIFY THAT the foregoing resolution was adopted by the COG Board Executive Committee on March 11, 2016.

**Laura Ambrosio
COG Communications Specialist**

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO PROVIDE ASSISTANCE
WITH THE STATE SAFETY OVERSIGHT (SSO) PROGRAM**

WHEREAS, the Federal Transit Administration (FTA) and the District of Columbia, State of Maryland, and Commonwealth of Virginia have designated COG to serve as the recipient of State Safety Oversight Agency (SSO) grant program funds to facilitate the establishment of the Metro Safety Commission (MSC) and to fulfill FTA grant management requirements; and

WHEREAS, these activities were approved in TOC's MAP-21 5329(e) Certification Work Plan, dated May 16, 2014. Federal Fiscal Year 2013 funds will be used for this project which is an approved line item in the FY2013 SSOA grant application submitted by COG and approved by the FTA on September 22, 2016; and

WHEREAS, the Tri-State Oversight Committee (TOC), with officers from the District of Columbia, and the States of Maryland and Virginia, serves as the interim SSO pending the reconstitution of the TOC into the MSC, an independent legal entity to assume the enhanced responsibilities of the SSOA to oversee the safety of WMATA Metrorail operations consistent with FTA requirements for a SSO; and

WHEREAS, COG needs to procure a contractor(s) and enter into a contract to provide general support to the TRI State Oversight Committee (TOC) in assisting with implementation of the TOC's SSO.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN
WASHINGTON COUNCIL OF GOVERNMENTS THAT:**

The Executive Director, or his designee, is authorized to enter into a contract(s) and expend up to \$650,000 to provide contractor assistance in supporting the TOC in ensuring that the WMATA rail safety program remains in compliance with the requirements of the FTA and all relevant laws and regulations are addressed during the transitional period of the TOC to the Metro Safety Commission (MSC), and to enter into a contract with the selected contractor.

Funding for this effort is available in the COG budget from the FTA SSO grant being administered through COG's Department of Transportation Planning in the amount of \$650,000. No COG matching funds are required.

I HEREBY CERTIFY THAT the foregoing resolution was adopted by the COG Board Executive Committee on March 11, 2016.

**Laura Ambrosio
COG Communications Specialist**

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO PROVIDE AUDIT AND TAX SERVICES FOR THE FISCAL YEAR ENDING JUNE 30, 2016

WHEREAS, the Metropolitan Washington Council of Governments (COG) needs to enter into a contract with PBMares, LLP to provide audit and tax services for the fiscal year ending June 30, 2016; and

WHEREAS, this procurement will be made on behalf of the Audit Committee, which has selected the contractor based on a competitive procurement process and Board Resolution R20-2015, Criteria for External Audit Firm Selection and Retention,

WHEREAS, the cost of central services is included in the FY2017 Work Program and Budget and Indirect Cost Allocation Plan, and allocated proportionally to all programs and funding sources; and

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

The Executive Director, or his designee, is authorized to enter into a contract with PBMares, LLC and expend an amount up to \$76,000 to fund audit and tax services for the fiscal year ending June 30, 2016. Funding for this effort is available in the budget of the Office of Finance and Accounting.

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 North Capitol Street, N.E.
Washington, D.C. 20002

**RESOLUTION APPROVING THE UPDATE TO THE DRAFT ROUND 9.0 COOPERATIVE FORECASTS
FOR USE IN THE AIR QUALITY CONFORMITY ANALYSIS OF THE 2016 CLRP AMENDMENT
AND 2017-2022 TIP**

WHEREAS, on September 10, 1975, the Board of Directors of the Metropolitan Washington Council of Governments (COG) authorized the development of a Cooperative Forecasting Program as a component of the Metropolitan Growth Policy Program; and

WHEREAS, the purpose of this program is to provide current forecasts of population, households, and employment growth and change for use in metropolitan planning programs, including the Water Resources, Transportation Planning, Air Quality, Energy Resources, Metropolitan Development and Housing Programs; and

WHEREAS, the Planning Directors Technical Advisory Committee has been actively engaged during the past year in developing the ninth major new series or "Round" of forecasts based on current regional development trends and new national economic projections, as the basis for further study of land use/transportation relationships to comply with Federal regulations implementing the Clean Air Act Amendments and Fixing America's Surface Transportation Act, or "FAST Act"; and

WHEREAS, to further enhance coordination between regional land use and transportation planning, on February 12, 2003, COG adopted Resolution R8-03, recommending that approval of each round of the Cooperative Forecasts should occur concurrently with the completion of the National Capital Region Transportation Planning Board's (TPB) Air Quality Conformity Analysis of the Transportation Improvement Program (TIP) and the Financially-Constrained Long Range Plan (CLRP); and

WHEREAS, on February 19, 2016 the Planning Directors Technical Advisory Committee recommended approval of the ninth major series of Cooperative Forecasts – "Round 9.0" – for use by the staff of the TPB in the year Air Quality Conformity Analysis of the 2016 CLRP Amendment and the FY 2017-2022 TIP.

NOW, THEREFORE, BE IT RESOLVED BY THE COG BOARD OF DIRECTORS THAT:

The board approves the updates to the draft Round 9.0 Forecasts (shown in the attached tables) for use by the TPB. The revised forecasts include technical corrections to the Frederick County, the City of Rockville, Prince George's County, Loudoun County, the City of Alexandria, and Prince William County draft projections, resulting in a less than 0.5% change to the regional forecasts.

The board charges the Planning Directors Technical Advisory Committee with monitoring the Round 9.0 Cooperative Forecasts to identify any potential changes in assumptions about land use, transportation, and the region's economy and modify the Round 9.0 Cooperative Forecasts as necessary.

Summary of Intermediate Employment Forecasts
Draft Round 9.0 Cooperative Forecasts
(Thousands)

**Draft COG Board of
Directors 4/13/16**

JURISDICTION	2015	2020	2025	2030	2035	2040	2045	2015 to 2045	
								Number	% Change
District of Columbia	798.3	846.3	895.1	937.9	978.2	1,011.8	1,045.4	247.1	31.0%
Arlington County	209.6	213.2	225.2	242.1	255.8	267.6	279.6	69.9	33.4%
City of Alexandria	106.2	110.1	121.8	127.3	135.3	142.7	155.1	48.9	46.0%
Central Jurisdictions	1,114.1	1,169.6	1,242.1	1,307.3	1,369.2	1,422.2	1,480.0	365.9	32.8%
Montgomery County	520.2	543.5	572.5	604.5	627.4	653.9	678.7	158.5	30.5%
City of Rockville (1)	76.9	78.3	80.5	82.5	86.8	91.2	96.8	19.8	25.8%
City of Gaithersburg (1)	46.4	47.6	50.0	52.7	56.1	61.1	65.7	19.3	41.5%
Prince George's County	338.6	349.0	366.3	375.7	385.5	393.3	402.1	63.6	18.8%
Fairfax County (2)	654.1	702.6	749.3	790.6	827.8	864.5	898.1	244.0	37.3%
City of Fairfax	20.8	21.9	22.8	23.7	24.6	25.6	26.6	5.8	28.0%
City of Falls Church	12.0	14.3	16.2	17.6	18.0	18.3	18.6	6.6	55.0%
Inner Suburbs	1,545.6	1,631.4	1,727.1	1,812.1	1,883.3	1,955.7	2,024.1	478.6	31.0%
Loudoun County	164.2	188.0	211.0	235.5	255.6	273.9	290.8	126.5	77.1%
Prince William County	144.6	165.0	184.4	204.5	223.1	245.1	258.3	113.7	78.6%
City of Manassas	25.7	26.9	28.3	28.8	29.6	30.3	31.0	5.3	20.7%
City of Manassas Park	4.6	4.7	4.8	4.9	5.0	5.1	5.2	0.6	12.5%
Charles County	46.6	47.0	49.2	52.2	55.4	58.8	61.5	14.9	32.0%
Frederick County	106.2	110.6	115.6	121.3	127.8	133.9	140.2	34.0	32.0%
City of Frederick (3)	50.1	51.8	53.5	55.4	57.3	59.2	61.2	11.1	22.2%
Outer Suburbs	492.0	542.1	593.4	647.3	696.5	747.2	787.0	295.0	60.0%
COG / TPB PLANNING AREA	3,151.7	3,343.0	3,562.6	3,766.7	3,949.0	4,125.0	4,291.2	1,139.5	36.2%

(1) Included in Montgomery County total.

(2) Forecasts for all years include Fairfax County Government employees working at the Fairfax County Public Safety Center.

(3) Included in Frederick County total.

Summary of Intermediate Population Forecasts
Draft Round 9.0 Cooperative Forecasts
(Thousands)

**Draft COG Board of
Directors 4/13/16**

JURISDICTION	2015	2020	2025	2030	2035	2040	2045	2015 to 2045	
								Number	% Change
District of Columbia	672.2	729.5	787.1	842.2	893.9	940.7	987.2	315.0	46.9%
Arlington County	220.5	232.7	244.8	256.0	266.3	278.1	289.5	69.0	31.3%
City of Alexandria	147.6	159.2	167.5	172.8	180.5	190.8	208.5	60.8	41.2%
Central Jurisdictions	1,040.4	1,121.4	1,199.4	1,270.9	1,340.7	1,409.6	1,485.2	444.8	42.7%
Montgomery County	1,015.3	1,052.0	1,087.3	1,128.8	1,167.7	1,197.1	1,223.3	208.1	20.5%
City of Rockville (1)	66.3	71.5	76.9	80.4	83.6	86.8	89.9	23.6	35.6%
City of Gaithersburg (1)	67.1	70.7	74.6	78.7	82.4	86.1	89.3	22.2	33.0%
Prince George's County	904.4	923.1	938.0	953.0	967.8	982.4	995.9	91.4	10.1%
Fairfax County (2)	1,125.4	1,162.5	1,213.2	1,264.7	1,314.3	1,362.5	1,406.7	281.4	25.0%
City of Fairfax	24.7	26.0	26.4	26.9	27.4	27.9	28.3	3.7	14.8%
City of Falls Church	13.1	14.2	15.5	16.4	17.0	17.3	17.6	4.5	34.4%
Inner Suburbs	3,082.9	3,177.9	3,280.4	3,389.8	3,494.2	3,587.1	3,671.9	589.0	19.1%
Loudoun County	363.5	414.7	451.1	470.7	484.4	492.5	497.5	134.0	36.9%
Prince William County	431.2	464.7	496.7	521.3	541.9	558.9	572.8	141.6	32.8%
City of Manassas	42.4	43.8	45.5	47.5	49.0	50.6	52.1	9.7	22.9%
City of Manassas Park	14.3	15.9	15.9	15.9	15.9	15.9	15.9	1.6	11.1%
Charles County	150.8	167.0	178.2	194.7	207.5	218.6	236.5	85.7	56.8%
Frederick County	246.5	267.8	288.7	303.6	319.4	332.2	344.1	97.6	39.6%
City of Frederick (3)	70.4	79.4	87.0	89.6	91.1	92.8	93.1	22.7	32.2%
Outer Suburbs	1,248.7	1,373.9	1,476.1	1,553.6	1,618.1	1,668.6	1,719.0	470.2	37.7%
COG / TPB PLANNING AREA	5,372.0	5,673.1	5,956.0	6,214.3	6,453.0	6,665.3	6,876.0	1,504.0	28.0%

(1) Included in Montgomery County total.

(2) COG staff produced the 2010 base year to be consistent with the Fairfax County's model for the 2011 - 2041 forecasting period.

(4) Included in Frederick County total.

Summary of Intermediate Household Forecasts
Draft Round 9.0 Cooperative Forecasts
(Thousands)

**Draft COG Board of
Directors 4/13/16**

JURISDICTION	2015	2020	2025	2030	2035	2040	2045	2015 to 2045	
								Number	% Change
District of Columbia	297.1	319.3	341.0	362.5	380.6	396.2	411.9	114.8	38.6%
Arlington County	103.6	109.3	115.2	120.7	125.8	131.1	136.3	32.6	31.5%
City of Alexandria	71.2	75.7	80.8	84.1	87.8	92.9	107.1	35.9	50.4%
Central Jurisdictions	471.9	504.3	537.0	567.3	594.3	620.3	655.2	183.3	38.8%
Montgomery County	374.9	391.1	405.6	422.3	438.1	450.9	461.9	87.1	23.2%
City of Rockville (1)	26.4	28.5	30.8	32.5	34.0	35.4	36.8	10.3	39.0%
City of Gaithersburg (1)	24.7	26.0	27.5	28.9	30.5	32.1	33.4	8.8	35.5%
Prince George's County	321.1	334.3	343.9	355.5	363.3	370.0	376.8	55.6	17.3%
Fairfax County (2)	403.9	421.1	444.5	467.8	490.2	511.9	531.8	127.9	31.7%
City of Fairfax	9.2	9.7	9.9	10.0	10.2	10.3	10.5	1.3	13.8%
City of Falls Church	5.5	6.2	6.9	7.4	7.7	7.9	8.1	2.6	47.3%
Inner Suburbs	1,114.7	1,162.5	1,210.7	1,263.0	1,309.4	1,351.1	1,389.2	274.5	24.6%
Loudoun County	121.1	137.9	150.8	158.6	164.3	167.6	169.3	48.2	39.8%
Prince William County	140.4	151.9	164.4	173.8	181.6	187.9	192.9	52.5	37.4%
City of Manassas	13.6	14.2	15.0	15.4	15.7	16.0	16.4	2.7	19.9%
City of Manassas Park	4.5	5.0	5.0	5.0	5.0	5.0	5.0	0.5	11.7%
Charles County	53.7	60.3	65.5	72.9	78.6	83.4	92.2	38.5	71.8%
Frederick County	89.5	99.0	107.9	115.1	121.1	126.5	131.2	41.7	46.6%
City of Frederick (3)	27.3	30.9	34.1	35.2	35.9	36.6	36.7	9.5	34.8%
Outer Suburbs	422.7	468.3	508.6	540.8	566.5	586.6	606.9	184.1	43.6%
COG / TPB PLANNING AREA	2,009.3	2,135.1	2,256.4	2,371.1	2,470.2	2,557.9	2,651.3	641.9	31.9%

(1) Included in Montgomery County total.

(2) COG staff produced the 2010 base year to be consistent with the Fairfax County's model for the 2011 - 2041 forecasting period.

(3) Included in Frederick County total.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO ENTER INTO CONTRACTS WITH SELECTED VENDORS TO BUILD OUT
OFFICE SPACE**

WHEREAS, the Metropolitan Washington Council of Governments (COG) requires additional staff office space and would like to convert existing underutilized space into offices; and

WHEREAS, the project will allow COG to convert two current work areas into four offices allowing the utilization of existing space; and

WHEREAS, the offices will provide additional space for COG's Office of Finance and Accounting and COG's Cooperative Purchasing staff.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN
WASHINGTON COUNCIL OF GOVERNMENTS THAT:**

The Executive Director, or his designee, is authorized to enter into contract(s) and expend funds in the amount not to exceed \$140,000 to convert underutilized work areas into office space. Funding for this capital project is available in COG's undesignated net asset balance.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

RESOLUTION AUTHORIZING COG TO ENTER INTO CONTRACTS WITH LOCAL JURISDICTIONS TO PROVIDE FIRE LIAISON OFFICERS TO STAFF THE WMATA RAIL OPERATIONS CONTROL CENTER

WHEREAS, the Metropolitan Washington Council of Governments (COG) serves as the Secretariat for the Urban Area Security Initiative (UASI) for the National Capital Region; and

WHEREAS, COG has been requested by the District of Columbia (DC) to obtain the services of Fire Liaison Officers from local jurisdictions to staff two shifts Monday through Friday at the WMATA Rail Operations Control Center; and

WHEREAS, the purpose of the contracts is to have Fire Liaison Officers provide staffing in the WMATA Rail Operations Control Center to complete specific duties identified in the position description developed to address a recommendation in the WMATA Underground Communications Systems Evaluation of Effectiveness and Interoperability Final Report completed July 2015; and

WHEREAS, funding for the procurement and contract has been provided to COG by the State Administrative Agent (SAA) for the National Capital Region.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

The Executive Director, or his designee, is authorized to enter into contracts with local jurisdictions and expend an amount not to exceed \$140,175 to provide Fire Liaison Officers to staff the WMATA Rail Operations Center.

Funding for this effort will be provided through a subgrant from the SAA for the National Capital Region. No COG matching funds are required.

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 North Capitol Street, N.E.
Washington, D.C. 20002

RESOLUTION AUTHORIZING COG TO FILE A PLANNING GRANT APPLICATION AND EXECUTE A GRANT CONTRACT WITH THE FEDERAL AVIATION ADMINISTRATION (FAA) FOR PHASE 31 OF THE CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM

WHEREAS, the Aviation Investment and Reform Act for the 21st Century includes a provision that makes the District of Columbia eligible to receive and disburse to the Metropolitan Washington Council of Governments (COG) Airport Improvement Program (AIP) Apportionment funds; and

WHEREAS, COG is recognized by FAA as the air systems planning agency for the Metropolitan Washington region; and

WHEREAS, the FAA administers a program that provides funds for continuing air transportation systems planning in large metropolitan regions; and

WHEREAS, COG is involved in a continuing planning process for addressing the issues concerning the future development and impact of the region's major commercial airports, military fields, and general aviation facilities, as they relate to metropolitan and local community development goals and policies; and

WHEREAS, the growth of commercial aviation activity in the Washington-Baltimore region, particularly at Baltimore/Washington International and Washington Dulles International Airports, requires that long-term planning proceed to best accommodate that growth; and

WHEREAS, the FAA has funded thirty separate phases of this continuing planning effort and has indicated its willingness to fund a Phase 31 grant application;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

The Executive Director, or his designee, is authorized to submit a planning grant application and execute a grant contract with the FAA to conduct Phase 31 of a multi-year program for Continuous Airport System Planning for the National Capital Region in an amount not to exceed \$277,778. The FAA will provide funds in the amount of \$250,000, ninety percent of the project total cost. The ten percent match, \$27,778, will be provided from budgeted local funds. The Executive Director, or his designee, is further authorized, if necessary, to enter into contracts with qualified firms to provide specialized support in performance of the grant requirements.

This application and subsequent grant contract would include the following tasks:

- 1) Process 2015 Air Passenger Survey
- 2) Comprehensive Regional Air System Plan Update

AGENDA ITEM #7

CHESAPEAKE BAY AND WATER RESOURCES POLICY COMMITTEE 2016 PRIORITIES

CHESAPEAKE BAY AND WATER RESOURCES POLICY COMMITTEE

Priorities and Activities

Craig Rice
Montgomery County Council and CBPC Chairman

COG Board
April 13, 2016

Agenda Item #7



Chesapeake Bay and Water Resources Policy Committee Overview

- Chesapeake Bay Policy Committee established by the COG Board in 1998 as the Chesapeake Bay program policy advisor
- In 2006, name was changed to Chesapeake Bay and Water Resources Policy Committee to better reflect its mission
 - Address wide breadth of water quality issues, holistically
- Water is fundamental to our region's quality of life and economy



Chesapeake Bay and Water Resources Policy Committee
April 13, 2016 | 2

CBPC Priorities

- Chesapeake Bay Program
 - Bay TMDL 2025 deadline
 - COG voice in Bay Program
- Stormwater management approaches
- Water infrastructure investment & jobs
- Manage growth/retain flexibility
- Resiliency
 - Climate, water and energy supply
- Coordination with COG's Water Security Work Group



Chesapeake Bay and Water Resources Policy Committee
April 13, 2016 | 3

Stormwater

- One of greatest water quality challenges for local streams and the Chesapeake Bay
- Challenges meeting stringent MS4 permits
- Innovation
 - DC Water's Clean Rivers Project
 - Prince George's County public-private partnership
 - Intelligent sensor technology



Chesapeake Bay and Water Resources Policy Committee
April 13, 2016 | 4

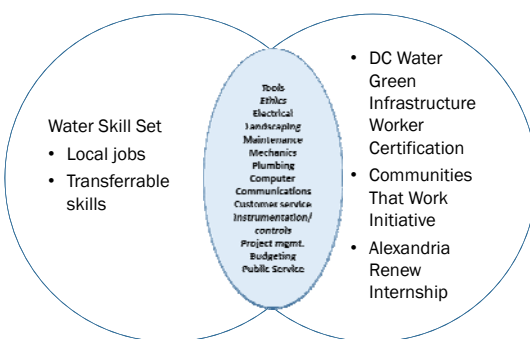
Wastewater

- Plant upgrades have made marked improvements to Potomac River water quality
- Region Forward Target
 - By 2025, achieve 100% of Chesapeake Bay Program's Water Quality Implementation Goals
- State-of-the-Art – All wastewater treatment plants in the region already have or are upgrading nitrogen removal capacity
 - Required large investments
 - To be complete by 2018 – In advance of the 2025 Bay Program deadline
- Plant upgrades will ensure the capacity to treat future growth in the region

Drinking Water

- Primary Areas
 - Drought planning and response
 - Water security
- COG collaborates with the Interstate Commission on the Potomac River Basin
 - Water supply forecast
 - Potomac Basin flow model
 - Source water protection partnership
- Community Engagement Campaign
 - Wise Water Use
 - TapIt
 - Protect Your Pipes
- One Message, Many Voices

Workforce Development



CBPC Advocacy

- Ensure a local voice in the Chesapeake Bay Program
 - Protect implementation flexibility for local governments
- Advocacy Workgroup advises on state legislation/promotes local policies that support water
- Educate about the importance of water quality, infrastructure, & jobs
 - National Water Policy Forum, April 11-13
 - National Drinking Water Week, May 1-7
 - National Infrastructure Week, May 16-23
 - Chesapeake Bay Awareness Week, second week in June
 - Drinking Water and Wastewater Professionals Day, June 30
 - www.valueofwater.org
 - www.freetapwater.org
 - www.protectyourpipes.org

Lead in Drinking Water

- Lead recognized as a serious health threat
- Flint water crisis – Lead in drinking water back in the spotlight
 - Community health
 - Lead levels in water
 - Lead service lines
 - Lead in buildings
- DC WASA/DC Water lead exceedance & follow-up, 2001-2008
- Continued concern & awareness prompted regional drinking water utilities to review actions and communications



Regional System Status & Actions

- All systems implement corrosion control
- Water systems continuously monitor corrosion parameters to maintain good water quality
- Customer Testing
 - DC Water will test customers' water
 - Other systems assist customers with testing by a certified lab
- DC Water and Alexandria are the only systems with lead service lines & are working to replace them
- Communication & Collaboration
 - Customer health & safety focus
 - Shared responsibility – utility & customer
 - Health Officials & School Districts



Regional System Status & Actions

All regional water utilities are in compliance with the Safe Drinking Water Act Lead and Copper Rule

- Lead service lines audited
- Source water & treatment remain consistent
- Sampling protocols & guidance followed

2015 2016 National Public Water System Compliance Report			
	Type	Violations	Out of Compliance
District of Columbia	None	0	0
Maryland			
COG Jurisdictions	None	0	0
State	Treatment	19	19
	Monitoring	130	128
Virginia			
COG Jurisdictions	None	0	0
State	Treatment	5	5
	Monitoring	115	87



Craig Rice

CBPC Chairman

Follow up questions to:

Steve Walz

Director, COG Department of Environmental Programs

swalz@mwkog.org

202-962-3205

mwkog.org

777 North Capitol Street NE, Suite 300
Washington, DC 20002



AGENDA ITEM #8

MULTI-SECTOR WORKING GROUP UPDATE

Policy Work Group Actions

- COG staff developed a strawman document for Policy Work Group consideration
 - Strategies for region-wide implementation
 - Strategies for local implementation
 - Strategies needing more assessment
- Policy Work Group
 - Requested input from jurisdictional staff
 - Are proposed strategies and implementation levels consistent with local, regional or state policy?
 - What actions could be put in place within the jurisdiction to implement the strategy?
 - Better to take more time due to significance of issues

Building Consensus Recommendations

- Sent questionnaire to environmental, planning & transportation departments in COG member jurisdictions
- Requested responses by April 8
 - Provide adequate time to respond
 - Minimize disruption of local staff
- Responses being compiled
- Staff to report back to Policy Work Group
- Work Group to bring final recommendation to COG Board
 - Provide direction on developing follow up action plans

Stuart Freudberg
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777 North Capitol Street NE, Suite 300
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AGENDA ITEM #9

SEVEN INDUSTRY CLUSTERS WITH HIGH ECONOMIC POTENTIAL

Douglas Meade, Director of Research, Inforum




Douglas S. Meade is Director of Research of Inforum, an organization dedicated to improving business planning, government policy analysis, and the general understanding of the economic environment. Inforum is affiliated with the University of Maryland, and is located near the College Park campus. Subscribers to the Inforum models and software include several federal government agencies, trade associations and public interest groups, as well as consulting firms and private corporations.



Dr. Meade has served in his current position since May, 2006. He is responsible for new model development (U.S. and some international), as well as expanding and improving the existing econometric models at Inforum, and either directing or participating in numerous consulting projects particularly those with a focus on energy and environmental issues.

Dr. Meade was formerly Deputy Chief of the Industry Division at the Bureau of Economic Analysis. His areas of research interest include econometrics, energy policy, defense economics, input-output and national income accounting. Dr. Meade holds a PhD in Economics from the University of Maryland.

Roadmap for the Washington Region's Economic Future: Seven Key Economic Clusters

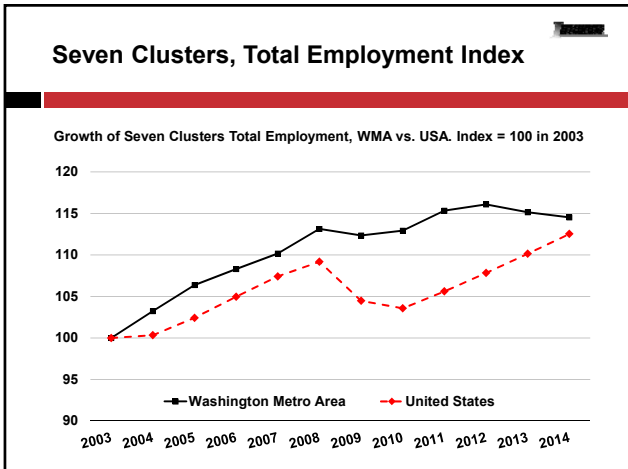


Douglas Meade
April 13, 2016

Introduction

- We identify and quantify seven industry “clusters” that can drive the Washington region’s growth and development over the next decade.
 1. Advocacy
 2. Information & Comm Tech
 3. Science & Security Technology
 4. Biological & Health Technology
 5. Business & Financial Services
 6. Media & Information
 7. Business & Leisure Travel
- The clusters were chosen for their employment levels and job quality, growth potential, high wages, and natural location in the WMA.
- The seven clusters accounted for more than 800,000 jobs in the DC Metro area in 2014, more than a quarter of the region’s total of nearly 3 million jobs.

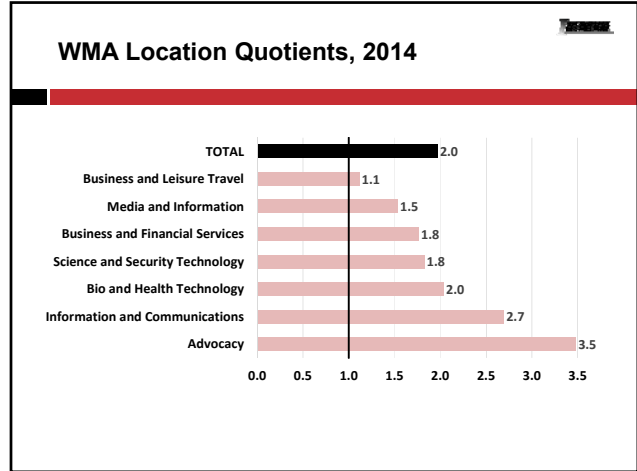


The Location Quotient

- The location quotient highlights each cluster’s concentration in DC, relative to the rest of the nation.
- It can reveal what makes a particular region “unique” in comparison to the national average.
- A cluster location quotient (LQ) is the share of that industry’s jobs in the region divided by the share of that industry’s jobs in the national economy.
- A LQ exceeding 1.0 indicates a regional concentration, and presumably a comparative advantage for the industry.

Jobs and Wages in the Washington Metro Area

Cluster	Washington Metro Area				Location Quotient
	2014 Jobs	2003-14 Job Growth	2014 Avg Wage		
Advocacy	ADV 115,731	19%	76,097	3.5	
Information and Communications Technology	ICT 204,489	5%	97,216	2.7	
Science and Security Technology	SST 123,785	19%	90,211	1.8	
Biological and Health Technology	BHT 55,396	25%	88,324	2.0	
Business and Financial Services	BFS 190,128	39%	88,813	1.8	
Media and Information	MAI 35,745	-20%	73,450	1.5	
Business and Leisure Travel	BLT 85,919	-1%	45,457	1.1	
Total of Seven Clusters	TOT 811,193	15%	84,028	2.0	
Washington Metro Area	WMA 2,973,337	9%			

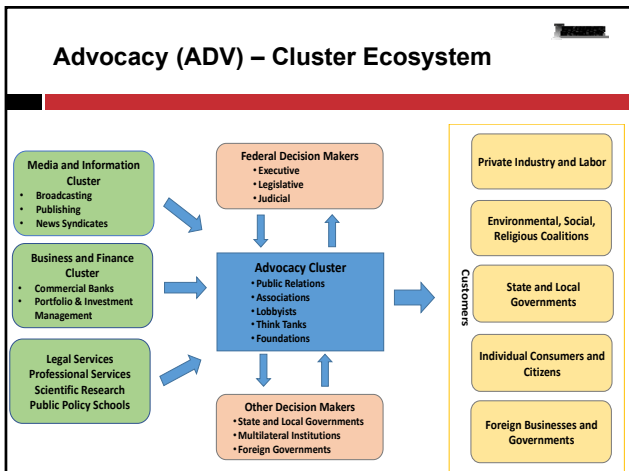
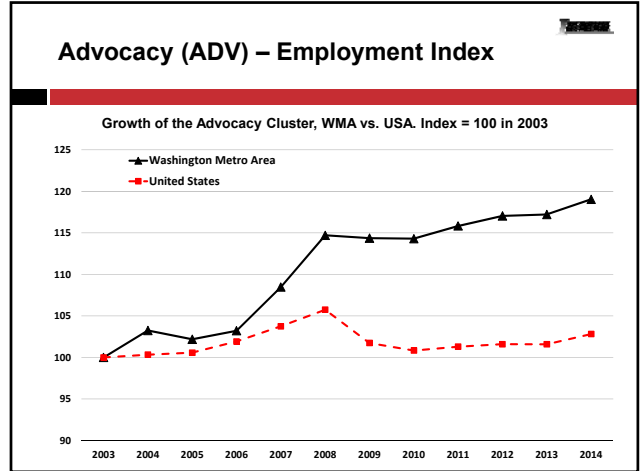
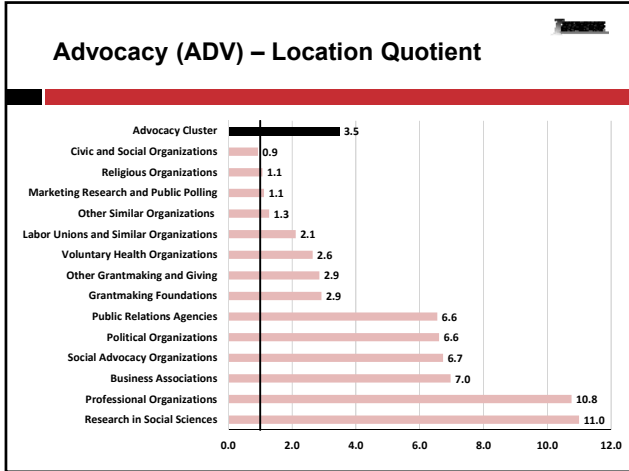


Advocacy (ADV) - Description

- Made up of private sector employers at:
 - Research and polling organizations (think-tanks)
 - Labor unions and trade associations
 - Public and private foundations
 - Social and religious organizations
- The primary mission of such entities is to influence societal outcomes by lobbying government, conducting research, and assembling coalitions.
- Some advocates are employed by individual firms, many others work for business, labor, or professional associations.

Advocacy (ADV) - Employment

Industry	WMA Employment			USA Employment			
	2003	2014	Growth 2003-14	2003	2014	Growth 2003-14	LQ
Research in Social Sciences	11,205	14,546	30%	67,392	60,761	-10%	11.0
Public Relations Agencies	6,608	7,992	21%	46,016	56,035	22%	6.6
Marketing and Public Opinion Research	3,209	2,467	-23%	106,068	100,994	-5%	1.1
Religious Organizations	4,002	4,335	8%	172,669	186,000	8%	1.1
Grantmaking Foundations	1,899	3,914	106%	41,689	61,565	48%	2.9
Voluntary Health Organizations	1,685	2,280	35%	40,049	39,617	-1%	2.6
Other Grantmaking and Giving Services	1,842	2,311	25%	55,992	37,150	-34%	2.9
Social Advocacy Organizations	12,548	22,468	79%	109,264	153,254	40%	6.7
Civic and Social Organizations	8,790	8,058	-8%	420,227	397,845	-5%	0.9
Business Associations	17,577	18,084	3%	120,164	119,171	-1%	7.0
Professional Organizations	16,529	19,297	17%	72,513	82,370	14%	10.8
Labor Unions and Similar Organizations	6,607	5,300	-20%	139,178	115,227	-17%	2.1
Political Organizations	1,418	1,746	23%	6,230	12,132	95%	6.6
Other Similar Organizations	3,296	2,933	-11%	87,660	104,892	20%	1.3
Advocacy (ADV)	97,217	115,731	19%	1,485,110	1,527,012	3%	3.5

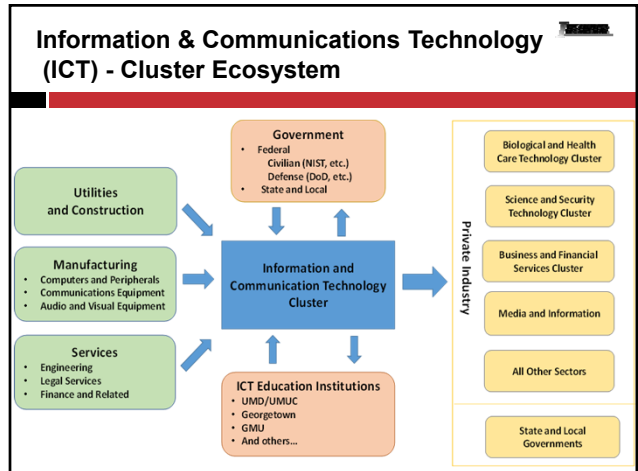
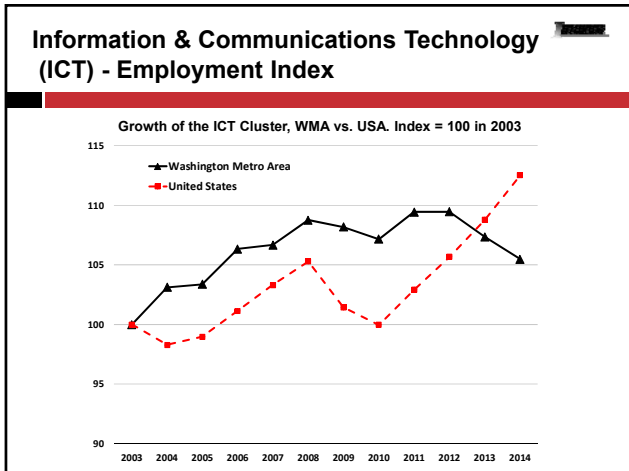
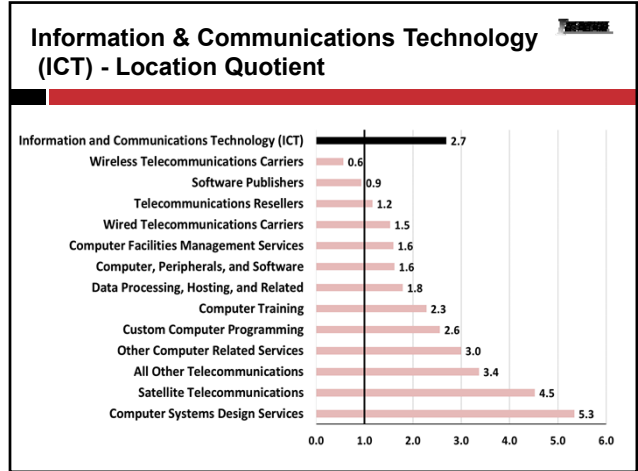


Information & Communications Technology (ICT) - Description

- The Information and Communications Technology (ICT) cluster is comprised of three major types of activities:
 - Hardware and software providers
 - Telecommunications and data processing
 - Computer programming, design, and other services
- A large and sophisticated ICT sector is particularly important in the global economy since it supports other regional industries via spillovers of technology and productivity.
- The nurturing and development of the ICT cluster will complement the others, since ICT has important regional customers in other clusters, especially health care, science and security technology, and business and financial services.

Information & Communications Technology (ICT)- Employment

Industry	WMA Employment			USA Employment			2014 LQ
	2003	2014	Growth 2003-14	2003	2014	Growth 2003-14	
Hardware and Software Providers							
Computer and Peripherals Wholesalers	9,216	7,970	-14%	250,674	225,856	-10%	1.6
Software Publishers	9,913	6,349	-36%	237,277	311,135	31%	0.9
Telecommunications and Data Processing							
Wired Telecommunications Carriers	36,116	20,207	-44%	786,422	606,134	-23%	1.5
Wireless Telecommunications Carriers	3,557	1,929	-46%	189,902	156,585	-18%	0.6
Satellite Telecommunications	1,193	903	-24%	17,206	9,164	-47%	4.5
Telecommunications Resellers	2,610	1,390	-47%	158,527	54,808	-65%	1.2
All Other Telecommunications	3,513	2,016	-43%	37,890	27,488	-27%	3.4
Computer Programming, Design, and Other Services							
Data Processing, Hosting, Related Services	11,423	11,005	-4%	285,268	281,626	-1%	1.8
Custom Computer Programming Services	47,816	43,204	-10%	490,035	774,636	58%	2.6
Computer Systems Design Services	55,921	99,903	79%	448,393	859,079	92%	5.3
Computer Facilities Management Services	2,487	2,028	-18%	60,198	58,334	-3%	1.6
Other Computer Related Services	9,081	6,845	-25%	113,554	104,830	-8%	3.0
Computer Training	995	742	-25%	20,922	14,937	-29%	2.3
Information and Communications Tech (ICT)	193,839	204,489	5%	3,096,269	3,484,613	13%	2.7



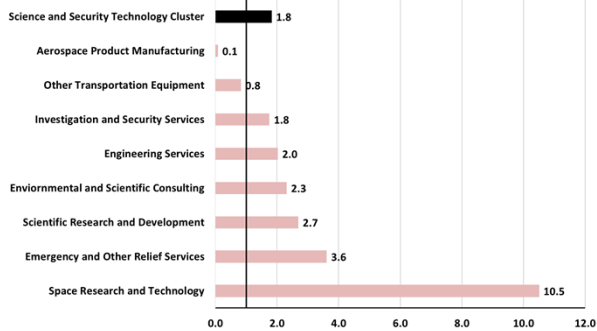
Science and Security Technology (SST) - Description

- The Science and Security Technology (SST) cluster is made up of three major types of activities:
 - Aerospace and Other Defense Manufacturing
 - Scientific Research and Services
 - Security and Emergency Services
- The second category includes Space research and technology, in which most of the employment consists of federal employees at NASA's Goddard Space Flight Center in Maryland.
- This cluster's presence provides important spillovers for other clusters in the metropolitan area.
- The strong local ICT cluster contains particular expertise in cyber-security and so will be intimately linked with SST.

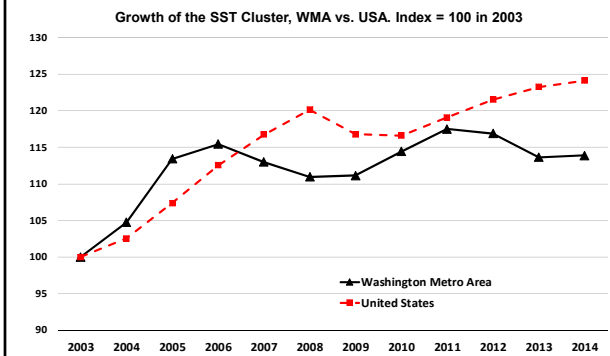
Science and Security Technology (SST) - Employment

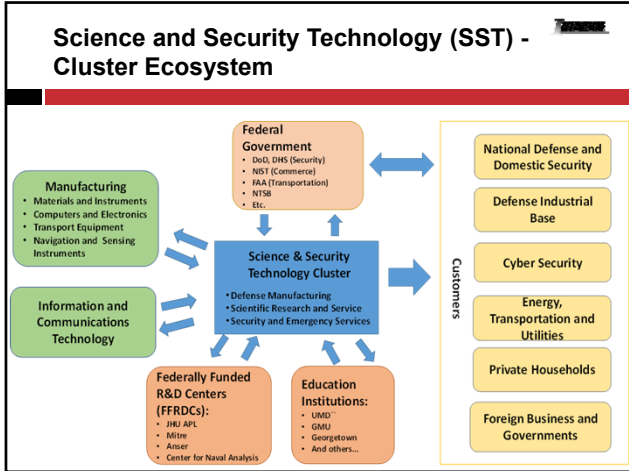
Industry	WMA Employment			USA Employment			2014 LQ
	2003	2014	Growth 2003-14	2003	2014	Growth 2003-14	
Aerospace Manufacturing							
Aerospace Product and Parts Manufacturing	2,039	853	-58%	441,182	490,384	11%	0.1
Other Transportation Equipment Manufacturing	65	110	71%	8,445	6,128	-27%	0.8
Scientific Research and Services							
Engineering Services	41,382	42,786	3%	805,454	970,770	21%	2.0
Environmental and Scientific Consulting	5,639	14,824	163%	120,576	294,481	144%	2.3
Scientific Research and Development	24,145	26,423	9%	377,002	450,967	20%	2.7
Space Research and Technology (NASA)	3,092	4,065	31%	17,358	17,763	2%	10.5
Security and Emergency Services							
Investigation and Security Services	25,626	32,716	28%	709,166	856,440	21%	1.8
Community Emergency, Other Relief Services	2,368	2,008	-15%	28,596	25,542	-11%	3.6
Science and Security Technology (SST)	104,357	123,785	19%	2,507,779	3,112,474	24%	1.8

Science and Security Technology (SST) - Location Quotient



Science and Security Technology (SST) - Employment Index

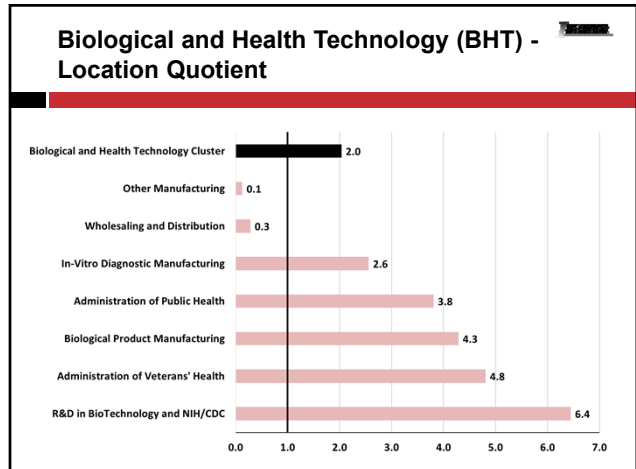


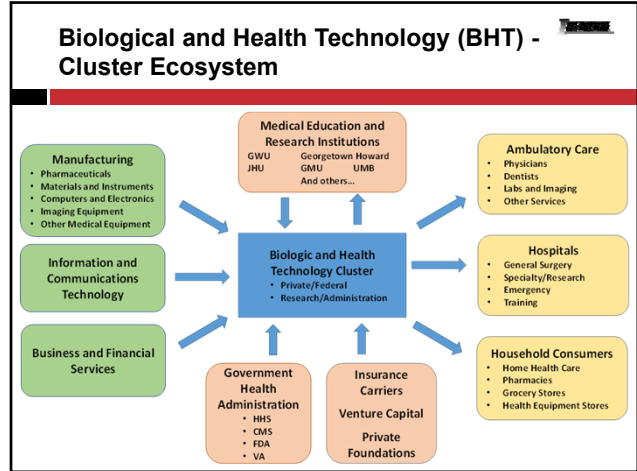
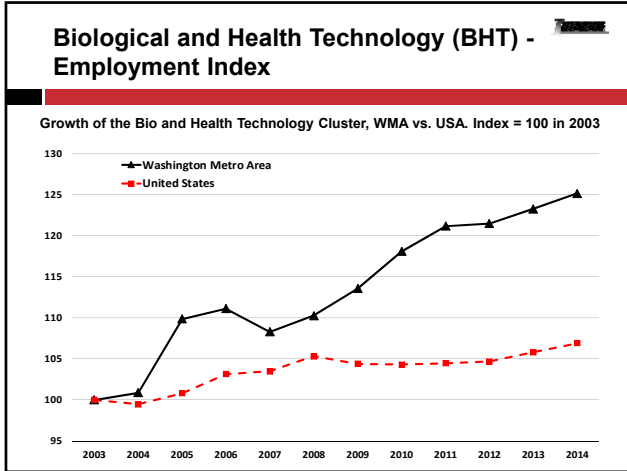


- ### Biological and Health Technology (BHT) - Description
- Includes relevant federal employees as part of the work force, including:
 - Researchers at NIH
 - Regulators at FDA
 - Veterans Affairs (VA) medical employees
 - Federal funding of health research and development through the National Institutes of Health (NIH), the Center for Disease Control (CDC), and other agencies helps to foster relationships with private sector firms and non-profits which strive to find cures for diseases and improve the effectiveness and value of health care services.
 - Importantly, we did not include employment in local hospitals or offices of physicians as part of the BHT cluster

Biological and Health Technology (BHT) - Employment

Industry	WMA Employment			USA Employment			
	2003	2014	Growth 2003-14	2003	2014	Growth 2003-14	2014 LQ
Manufacturing							
In-Vitro Diagnostic Manufacturing	659	1,255	90%	13,964	22,504	61%	2.6
Biological Product Manufacturing	947	2,645	179%	25,693	28,327	10%	4.3
Other Manufacturing	1,079	1,496	39%	549,836	535,506	-3%	0.1
Wholesaling and Distribution	1,503	1,307	-13%	187,090	210,088	12%	0.3
Research and Development							
Private Sector Biotechnology	7,993	6,166	-23%	124,797	146,469	17%	1.9
National Institutes of Health	17,123	17,848	4%	18,112	18,932	5%	43.3
Centers for Disease Control	594	591	-1%	8,348	9,859	18%	2.8
Federal Administration							
Food and Drug Administration (FDA)	8,060	12,818	59%	11,664	16,795	44%	35.1
Agency Healthcare Quality and Research (AHRQ)	289	289	0%	326	326	0%	40.7
Administration of Veterans' Affairs (VA)	3,826	5,473	43%	25,265	52,242	107%	4.8
Other Public Health Programs	2,192	5,507	151%	202,856	207,383	2%	1.2
Biological and Health Technology (BHT)	44,265	55,396	25%	1,167,951	1,248,430	7%	2.0



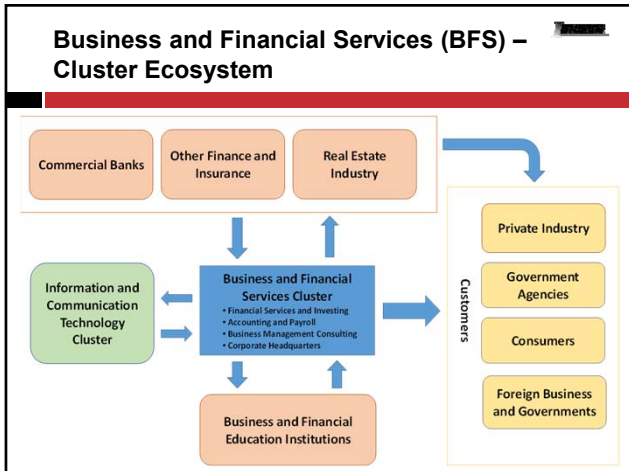
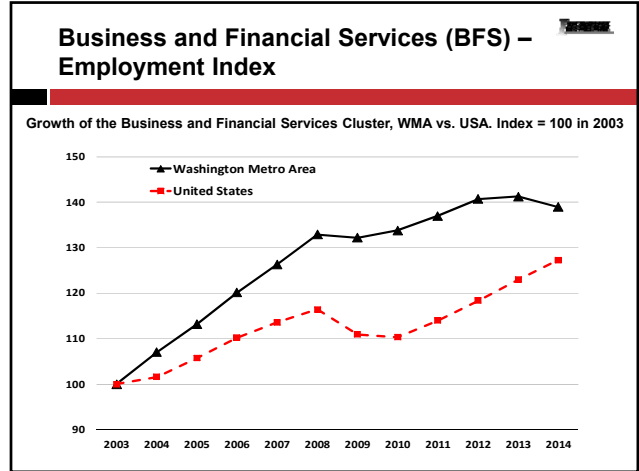
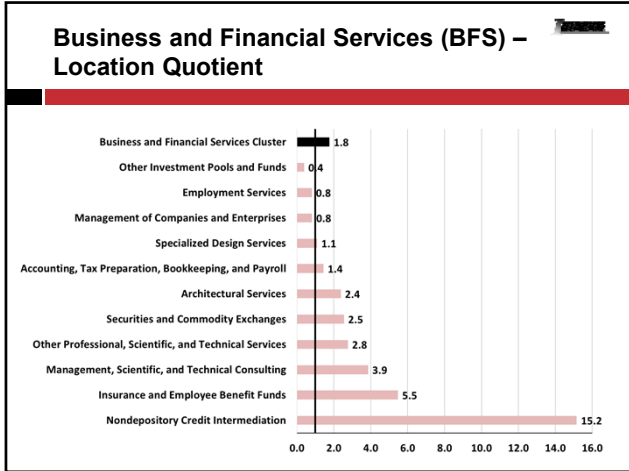


Business and Financial Services (BFS) - Description

- One of the largest and most steadily growing sectors in the Washington Metro Area (WMA) over the last decade.
- Largest component is Management, scientific, and technical consulting services, which accounts for approximately 80,000 jobs in the region.
- Over the past couple of decades, the sector has shifted from being a peripheral facilitator of the federal government, to become a key element of government and corporate operations within and beyond the region.

Business and Financial Services (BFS) - Employment

Industry	Growth			Growth			2014 LQ
	2003	2014	2003-14	2003	2014	2003-14	
Finance							
Nondepository Credit Intermediation	5,188	8,387	62%	19,152	25,409	33%	15.2
Securities and Commodity Exchanges	408	387	-5%	9,249	6,977	-25%	2.5
Insurance and Employee Benefit Funds	5,908	6,420	9%	52,562	53,839	2%	5.5
Other Investment Pools and Funds	354	340	-4%	33,343	40,021	20%	0.4
Business Services							
Accounting, Tax, and Payroll Services	23,098	30,390	32%	838,312	967,571	15%	1.4
Architectural Services	9,253	8,730	-6%	182,756	168,487	-8%	2.4
Specialized Design Services	3,222	3,034	-6%	121,055	127,150	5%	1.1
Management, Scientific, Technical Consulting	50,354	79,567	58%	608,370	947,816	56%	3.9
Other Professional and Technical Services	4,663	9,230	98%	59,754	153,423	157%	2.8
Management of Companies and Enterprises	28,333	38,343	35%	1,660,108	2,153,668	30%	0.8
Employment Services	6,057	5,300	-12%	300,867	303,046	1%	0.8
Business and Financial Services (BFS)	136,838	190,128	39%	3,885,527	4,947,406	27%	1.8



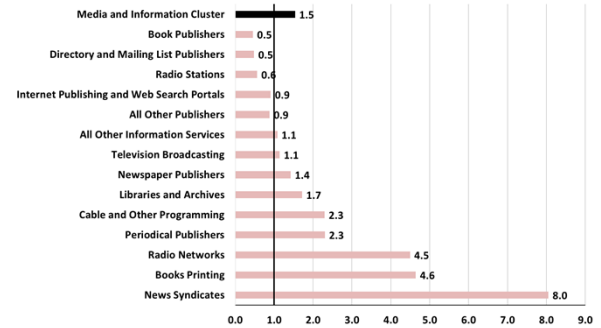
Media and Information (MAI) - Description

- Comprises media of all forms, including:
 - Books, magazines, and newspapers
 - Radio, television, and internet publishing
 - News services and libraries.
- Does not include telecommunication services such as wireless service providers, internet service providers, and data processing services.
- Mostly centered on the creation and dissemination of news and entertainment content, but not necessarily on the technical infrastructure on which that content is received and read.

Media and Information (MAI) - Employment

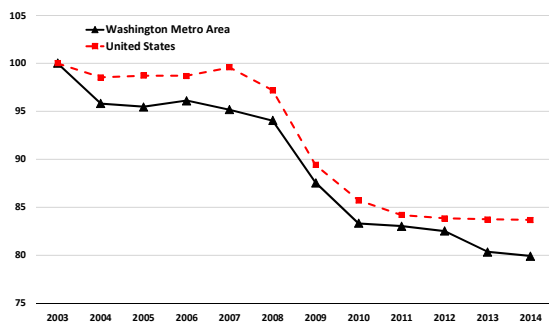
Industry	WMA Employment			USA Employment			2014 LQ
	2003	2014	Growth 2003-14	2003	2014	Growth 2003-14	
Print Publishing							
Books Printing	4,401	2,223	-49%	36,831	22,003	-40%	4.6
Newspaper Publishers	10,154	6,263	-38%	382,689	201,995	-47%	1.4
Periodical Publishers	7,148	5,168	-28%	149,081	103,046	-31%	2.3
Book Publishers	1,080	636	-41%	81,025	64,612	-20%	0.5
Directory and Mailing List Publishers	838	273	-67%	47,957	25,942	-46%	0.5
All Other Publishers	485	299	-38%	31,821	15,629	-51%	0.9
Broadcasting							
Radio Networks	1,656	1,900	15%	23,871	19,421	-19%	4.5
Radio Stations	1,308	866	-34%	85,827	71,065	-17%	0.6
Television Broadcasting	3,772	3,240	-14%	130,240	130,510	0%	1.1
Cable and Other Subscription Programming	2,684	3,136	17%	85,634	62,766	-27%	2.3
Other Information Services							
News Syndicates	2,011	2,102	5%	9,642	11,994	24%	8.0
Libraries and Archives	6,383	6,067	-5%	159,920	162,135	1%	1.7
Internet Publishing, Broadcasting, Search	2,469	3,206	30%	41,015	161,730	294%	0.9
All Other Information Services	352	365	4%	11,324	15,493	37%	1.1
Media and Information Cluster (MAI)	44,741	35,745	-20%	1,276,877	1,068,341	-16%	1.5

Media and Information (MAI) – Location Quotient

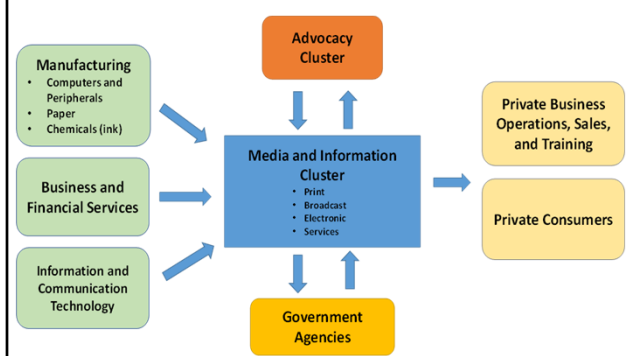


Media and Information (MAI) – Employment Index

Growth of the Media and Information Cluster, WMA vs. USA. Index = 100 in 2003



Media and Information (MAI) – Cluster Ecosystem



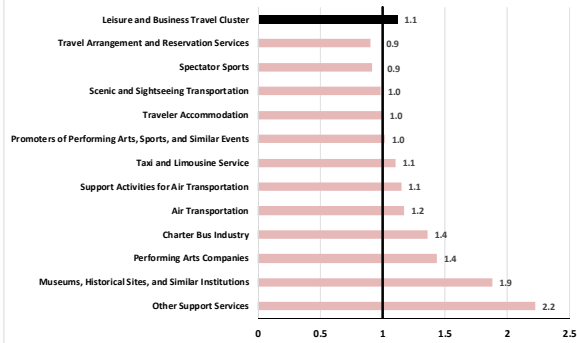
Business and Leisure Travel (BLT) - Description

- As the nation's capital, Washington DC is a natural hub for conferences and conventions, high-level meetings, lobbying, and tourism.
- The Business and Leisure Travel (BLT) cluster is a stable and large source of jobs for the Washington Metro Area (WMA), including:
 - Accommodation and transportation services (especially air transport)
 - Entertainment
 - Sporting events, museums, and parks
- Cluster does not include restaurants and bars
 - We assumed that most of the activity of food and drinking places serves local customers, not tourists or business travelers.

Business and Leisure Travel (BLT) - Employment

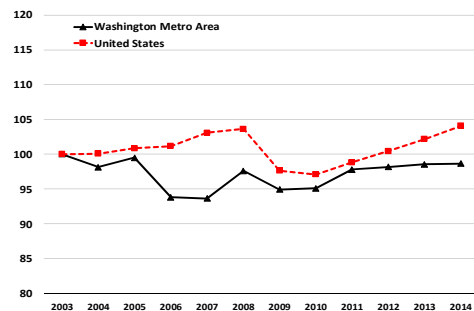
Industry	WMA Employment			USA Employment			2014 LQ
	2003	2014	Growth 2003-14	2003	2014	Growth 2003-14	
Transportation							
Air Transportation	14,569	10,735	-26.3%	504,955	419,830	-16.9%	1.2
Taxi and Limousine Service	1,894	1,907	0.7%	66,499	79,374	19.4%	1.1
Charter Bus Industry	723	885	22.3%	32,775	29,867	-8.9%	1.4
Sightseeing Transportation	231	683	195.6%	27,936	31,857	14.0%	1.0
Support for Air Transportation	3,840	5,582	45.4%	194,118	223,095	14.9%	1.1
Travel Arrangement Services	4,760	3,892	-18.2%	240,078	198,926	-17.1%	0.9
Other Support Services	2,327	2,440	4.9%	48,813	50,372	3.2%	2.2
Entertainment							
Performing Arts Companies	3,903	3,633	-6.9%	122,112	116,330	-4.7%	1.4
Spectator Sports	3,483	2,759	-20.8%	135,891	137,960	1.5%	0.9
Promoters of Arts and Sports	2,491	2,860	14.8%	79,869	129,018	61.5%	1.0
Museums, Historical Sites, etc.	9,130	9,562	4.7%	201,593	233,759	16.0%	1.9
Traveler Accommodation	39,734	40,980	3.1%	1,737,610	1,880,064	8.2%	1.0
Leisure and Business Travel Cluster (BLT)	87,086	85,919	-1.3%	3,392,249	3,530,452	4.1%	1.1

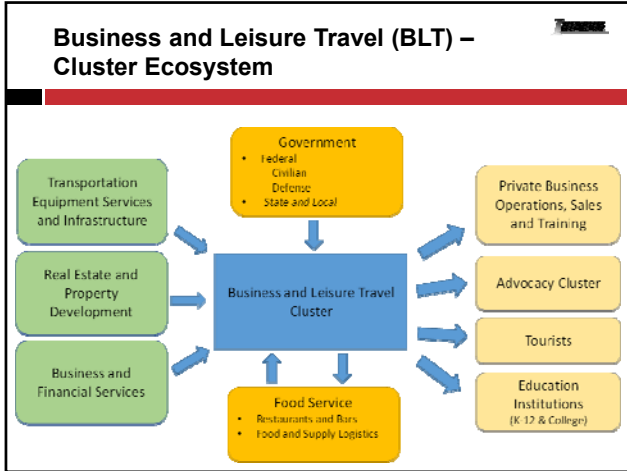
Business and Leisure Travel (BLT) - Location Quotient



Business and Leisure Travel (BLT) - Employment Index

Growth of the Business and Leisure Travel Cluster, WMA vs. USA. Index = 100 in 2003





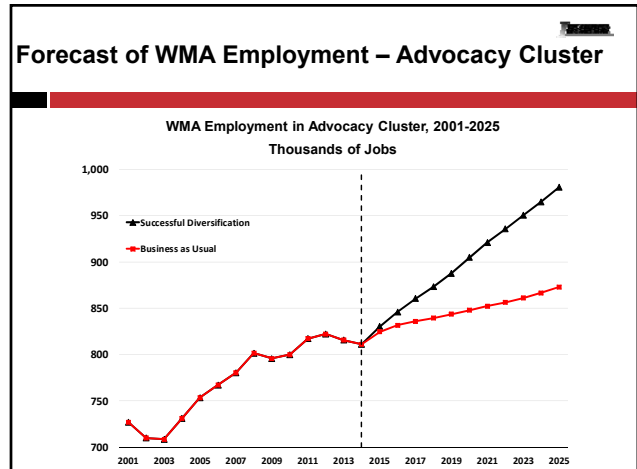
The Seven Clusters Forecast

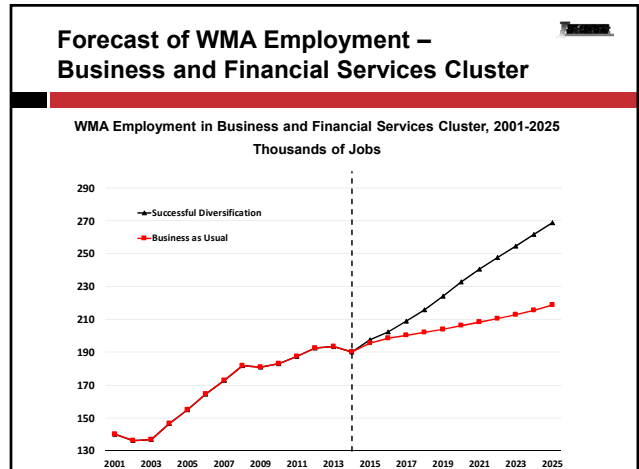
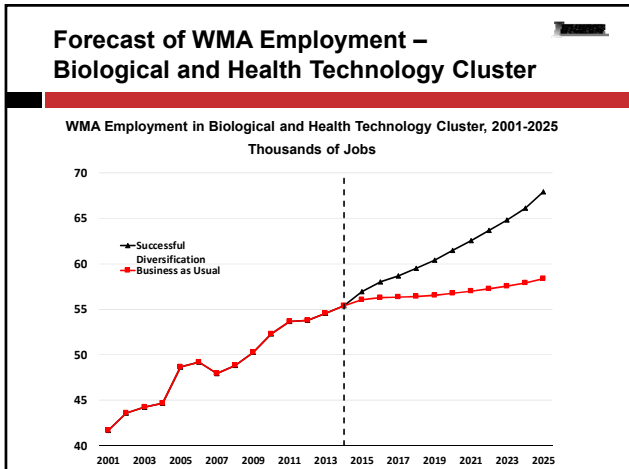
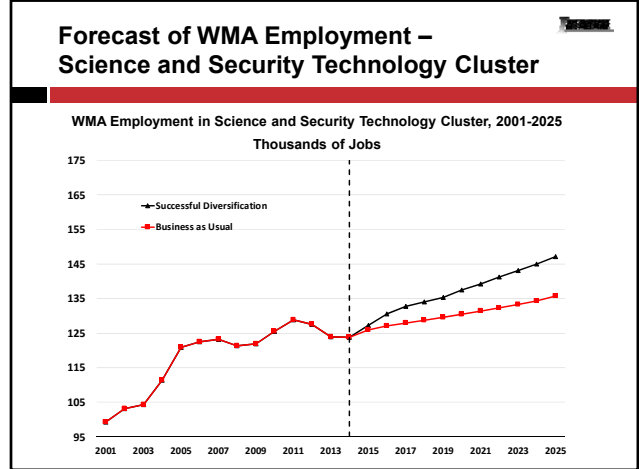
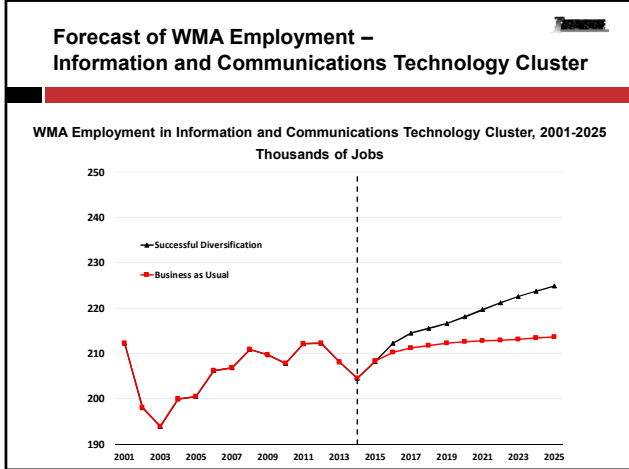
- In examining the future for the seven WMA clusters through 2025, we generated two employment scenarios for each of the key clusters and then for the WMA as a whole.
 - “Successful Diversification” - The first scenario assumes that each cluster reduces dependence on federal spending and successfully diversifies into other markets.
 - “Business as Usual” - The second scenario assumes that the clusters are not able to find sources of growth beyond the federal government.

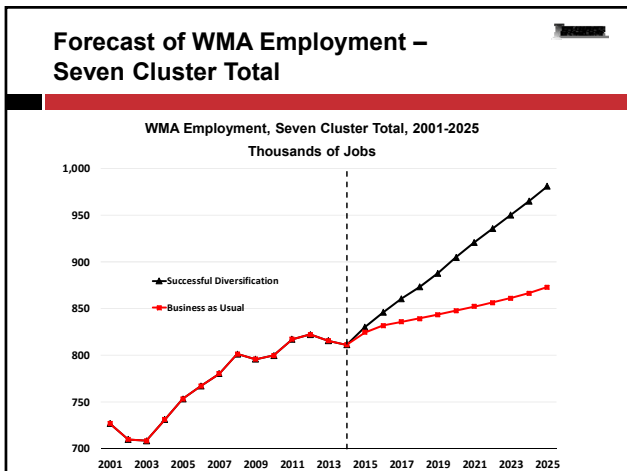
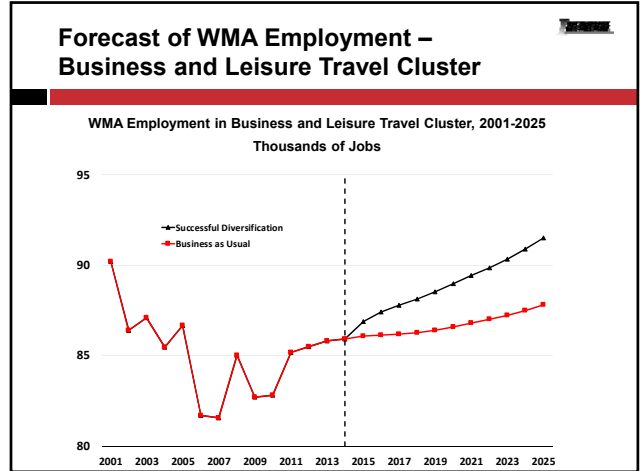
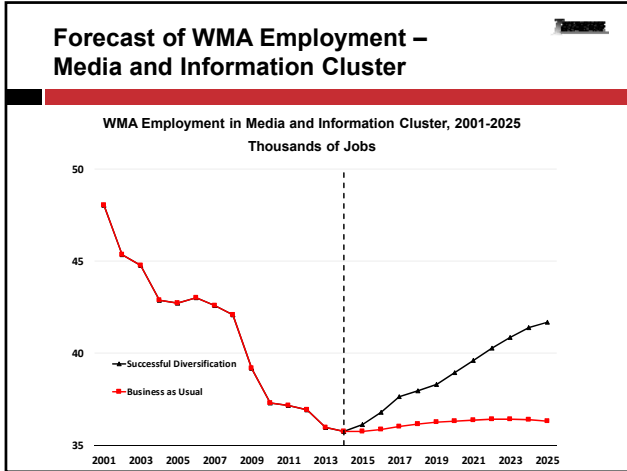
The Seven Clusters Forecast

Forecasts for Job Growth in the Seven Clusters and WMA, 2014 – 2025

Cluster	Code	Washington Metro Area							
		History		Successful Diversification				Business as Usual	
		2014	2003-14	2014	2015	2014-25	2015	2014-25	2015
Jobs	Growth	Jobs	Jobs	Growth	Jobs	Jobs	Growth	Jobs	Growth
Advocacy	ADV	115,731	19.0%	138,868	20.0%	122,303	5.7%		
Information Communications Technology	ICT	204,489	5.5%	224,872	10.0%	213,621	4.5%		
Science and Security Technology	SST	123,785	19.0%	147,104	18.8%	135,707	9.6%		
Biological and Health Technology	BHT	55,396	25.1%	67,929	22.6%	58,388	5.4%		
Business and Financial Services	BFS	190,128	39.0%	269,053	41.5%	218,851	15.1%		
Media and Information	MAI	35,745	-20.1%	41,667	16.6%	36,292	1.5%		
Business and Leisure Travel	BLT	85,919	-1.3%	91,512	6.5%	87,807	2.2%		
Total of Seven Clusters	TOT	811,193	14.6%	981,005	20.9%	872,969	7.6%		
Washington Metro Area	WMA	2,973,337	9.3%	3,402,570	14.4%	3,092,270	4.0%		
United States	USA	152,077,125	5.1%	166,505,562	9.5%	166,505,562	9.5%		







- ### Additional Links
- The 2030 Roadmap
 - <http://www.2030roadmap.com/>
 - The Roadmap for the Washington Region's Future Economy
 - http://cra.gmu.edu/pdfs/studies_reports_presentations/Roadmap_for_the_Washington_Region's_Future_Economy_123115.pdf
 - The Roadmap for the Washington Region's Economic Future: A State and Local Level Economic Development Policy Gap Analysis
 - http://cra.gmu.edu/pdfs/studies_reports_presentations/Roadmap_State_and_Local%20Policy_Gap_Analysis_122215.pdf
 - Roadmap for the Washington Region's Economic Future: Seven Key Economic Clusters
 - http://cra.gmu.edu/pdfs/studies_reports_presentations/Roadmap_Regional_Economic_Clusters_120215.pdf
 - Growth Opportunities and Constraints: Perspectives from CEOs and High-Ranking Executives
 - http://cra.gmu.edu/pdfs/studies_reports_presentations/Roadmap_Survey_Report_122215.pdf

AGENDA ITEM #10

BRANDING THE REGION'S BIO-TECH CLUSTER

Jarrold Borkat, Senior Director, Global External Partnerships and Collaborations, MedImmune



Jarrold Borkat is a 15-year veteran in the biopharmaceutical industry. He joined MedImmune in 2010, where he currently serves as Senior Director/ Head, Global External Partnerships & Collaborations. In this role, he is responsible for establishing and overseeing global strategic collaborations with universities, non-profit organizations and government entities.

MedImmune comprises nearly half of AstraZeneca's overall R&D portfolio and is focused on three core therapeutic areas: Oncology; Respiratory, Inflammation and Autoimmune; and Cardiovascular and Metabolic Disease. They also are opportunity-driven in the area of Infectious Disease and Neuroscience.

His team led the creation of several multi-million dollar collaborations, including one with Johns Hopkins University and one with University of Maryland. Prior to this role, Jarrod led the Portfolio Strategy & Management function for MedImmune, helping the organization optimize its R&D portfolio.

Before joining MedImmune, Jarrod worked at Boehringer Ingelheim (BI) Pharmaceuticals, Inc. for 11 years. During his time at BI, he spent two years in Germany, working at their corporate headquarters, leading the global commercial strategy for their CNS franchise. His last position prior to leaving BI was Director of U.S. Marketing, HIV.

Jarrold serves on the Kentlands Board of Trustees and the Kentlands Community Foundation Board. Jarrold earned an M.B.A. from Kennesaw State University, with concentrations in finance and marketing, and earned a B.S. in Biology from the University of Georgia.

AGENDA ITEM #11

OTHER BUSINESS

AGENDA ITEM #12

ADJOURN