

**COG BOARD OF DIRECTORS MEETING**

**DATE:** April 8, 2015  
**TIME:** 12:00 – 2:00PM  
**PLACE:** COG Board Room

*District of Columbia  
Bladensburg\*  
Bowie  
Charles County  
College Park  
Frederick  
Frederick County  
Gaithersburg  
Greenbelt  
Montgomery County  
Prince George's County  
Rockville  
Takoma Park  
Alexandria  
Arlington County  
Fairfax  
Fairfax County  
Falls Church  
Loudoun County  
Manassas  
Manassas Park  
Prince William County*

**PLEASE NOTE: Chairman Euille will begin the meeting promptly at Noon. Lunch for members and alternates will be available at 11:30AM**

**AGENDA**

**1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE  
(12:00PM)**

**Honorable William Euille  
Mayor, City of Alexandria  
COG Board Chair**

**2. ANNOUNCEMENTS  
(12:05 – 12:10PM)**

**Chair Euille**

- A. Human Services and Public Safety Policy Committee Meeting – April 17**
- B. Foster Parent of the Year Reception – May 13**
- C. Infrastructure Financing Event – May 13**
- D. COG Leadership Retreat – July 24-26**

**3. EXECUTIVE DIRECTOR'S REPORT  
(12:10 – 12:15PM)**

**4. AMENDMENTS TO AGENDA  
(12:15 – 12:20PM)**

**5. APPROVAL OF MINUTES OF MARCH 11, 2015  
(12:20– 12:25PM)**

*\*Adjunct Member*

**6. ADOPTION OF CONSENT AGENDA ITEMS  
(12:25 – 12:30PM)**

**A. RESOLUTION ESTABLISHING CRITERIA FOR EXTERNAL AUDIT FIRM SELECTION AND RETENTION**

The Board will be asked to adopt Resolution R20-2015 directing the Audit Committee to annually recommend retention of or change in COG's external audit firm based on qualifications and performance, competitive pricing, and other factors affecting COG's best interests. The resolution also requires solicitation of quotes or proposals at least every five (5) years to assess competitive pricing, and establishes criteria for selecting a new audit firm.

**RECOMMENDED ACTION: Adopt Resolution R20-2015.**

**B. RESOLUTION AUTHORIZING COG TO APPLY FOR AND EXECUTE A GRANT CONTRACT WITH THE FEDERAL AVIATION ADMINISTRATION**

The Board will be asked to adopt Resolution R21-2015 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 30 of a multi-year program for Continuous Airport System Planning for the National Capital Region in an amount not to exceed \$250,000. This application and subsequent grant contract would include the following tasks: (1) Ground Access Travel Time Update, (2) Process 2015 Air Passenger Survey (Phase 1). 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. The FAA will provide funds for ninety percent, \$225,000, of the project total. A ten percent match of \$25,000 will be provided from COG budgeted local funds.

**RECOMMENDED ACTION: Adopt Resolution R21-2015.**

**C. RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO DEVELOP THE DISTRICT DAMAGE ASSESSMENT BASE PLAN – PART 2 FOR THE DISTRICT OF COLUMBIA**

The Board will be asked to adopt Resolution R22-2015 authorizing the Executive Director, or his designee, to receive and expend grant funds from the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) in the amount of \$162,257. COG has been requested by the District of Columbia HSEMA to procure a contractor to build upon the damage assessment planning effort and develop an associated Community Collaborative Planning Framework. Funding for this effort will be provided through a subgrant from the SAA for the National Capital Region. **No COG matching funds are required.**

**RECOMMENDED ACTION: Adopt Resolution R22-2015.**

**D. RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO DEVELOP AND CONDUCT THE DISTRICT TRAINING AND EXERCISE PLANNING (TEP) WORKSHOP 2015 FOR THE DISTRICT OF COLUMBIA**

The Board will be asked to adopt Resolution R23-2015 authorizing the Executive Director, or his designee, to receive and expend grant funds from the District of Columbia Homeland Security and Emergency Management Agency in the amount of \$105,000. COG has been requested by the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) to procure a contractor to support the development and conduct of a Training and Exercise Workshop and update of the HSEMA Multi-Year Training and Exercise Plan (TEP). Funding for this effort will be provided through a subgrant from the SAA for the National Capital Region. **No COG matching funds are required.**

**RECOMMENDED ACTION: Adopt Resolution R23-2015.**

**E. RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO PROVIDE STRATEGIC SUPPORT FOR THE DISTRICT OF COLUMBIA**

The Board will be asked to adopt Resolution R24-2015 authorizing the Executive Director, or his designee, to receive and expend grant funds from the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) in the amount of \$288,750. COG has been requested by the District of Columbia HSEMA to procure a contractor to provide program management and administrative support to HSEMA that will include two full time positions to HSEMA for one year. Funding for this effort will be provided through a subgrant from the SAA for the National Capital Region. **No COG matching funds are required.**

**RECOMMENDED ACTION: Adopt Resolution R24-2015.**

**F. RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO COMPLETE DISTRICT EVACUATION PLANNING FOR THE DISTRICT OF COLUMBIA**

The Board will be asked to adopt Resolution R25-2015 authorizing the Executive Director, or his designee, to receive and expend grant funds from the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) in the amount of \$200,000. COG has been requested by the District of Columbia HSEMA to procure a contractor to develop a comprehensive and accessible District Emergency Evacuation Plan through a comprehensive planning process with the District, regional, federal, and other public and private stakeholders. Funding for this effort will be provided through a subgrant from the SAA for the National Capital Region. **No COG matching funds are required.**

**RECOMMENDED ACTION: Adopt Resolution R25-2015.**

**G. RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO COMPLETE A METRO PUBLIC SAFETY COMMUNICATIONS INTEROPERABILITY STUDY**

The Board will be asked to adopt Resolution R26-2015 authorizing the Executive Director, or his designee, to receive and expend grant funds from the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) in the amount of \$262,500. COG has been requested by the District of Columbia HSEMA to procure a contractor to complete a comprehensive study of the

Washington Metropolitan Area Transit Authority (WMATA) underground communications system. Funding for this effort will be provided through a subgrant from the SAA for the National Capital Region. **No COG matching funds are required.**

**RECOMMENDED ACTION: Adopt Resolution R26-2015.**

**H. RESOLUTION AUTHORIZING COG TO ENTER INTO A CONTRACT WITH MILLIGAN & COMPANY, LLC TO IMPLEMENT IMPROVEMENTS TO TITLE VI AND DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAMS**

The Board will be asked to adopt Resolution R27-2015 authorizing the Executive Director, or his designee, to procure and enter into a contract with Milligan & Company, LLC in an amount not to exceed \$46,000 to complete work on Title VI Program and DBE Program requirements. This work will also provide a framework for COG staff going forward to perform these tasks and comply with all federal requirements. Funding for this contract is available using existing COG budgeted funds from the Department of Accounting and Finance.

**RECOMMENDED ACTION: Adopt Resolution R27-2015.**

**I. RESOLUTION AUTHORIZING COG TO ENTER INTO A CONTRACT TO SUPPORT THE REGIONAL MULTI-SECTOR WORKING GROUP**

The Board will be asked to adopt Resolution R28-2015 authorizing the Executive Director, or his designee, to enter into a contract with ICF, International in an amount not to exceed \$276,425 for the technical analysis and report development in support of the Multi-sector Working Group. Funding for this contract is available using existing COG budgeted funds from the Department of Transportation Planning, the Department of Environmental Programs, and the Department of Community Planning and Services.

**RECOMMENDED ACTION: Adopt Resolution R28-2015.**

**ACTION AGENDA**

**7. FACILITATING CREATION OF A METRO SAFETY COMMISSION (MSC)  
(12:30-12:40PM)**

**Mr. Chuck Bean**  
Executive Director, COG

**Mr. Kanti Srikanth**  
Director, Department of Transportation Planning, COG  
Staff Director, TPB

COG has been approached by the Federal Transit Administration (FTA) and the Transportation Secretaries and Director of Maryland, Virginia and the District of Columbia Department of Transportation to serve as the designated recipient of FTA's State Safety Oversight (SSO) program funds. COG would be responsible to work with the three states to facilitate the creation of a Metro Safety

Commission (MSC) as an independent State Safety Oversight Agency to oversee the safety of WMATA Metrorail operations, promulgate regulations as needed, hire and train qualified staff, enforce safety requirements and set consistent oversight policy for WMATA Metrorail. Staff will brief the Board on the proposed Memorandum of Understanding (MOU).

**RECOMMENDED ACTION: Adopt Resolution R29-2015, approving the MOU.**

**8. BROOKINGS ADVANCED INDUSTRIES PROJECT  
(12:40-1:10PM)**

**Mr. Mark Muro**  
**Senior Fellow and Policy Director, Metropolitan Policy Program at Brookings**

Brookings Advanced Industries Project defines R&D industries that concentrate the nation's science, technology, engineering, and mathematics workforce. Brookings Senior Fellow and Policy Director, Mark Muro will brief the Board about the Advanced Industry sectors in the metropolitan Washington region and discuss the research and opportunities for economic advancement.

**RECOMMENDED ACTION: Receive briefing.**

**9. PRESENTATION ON POTENTIAL GROWTH INDUSTRIES IN THE REGION  
(1:10-1:30PM)**

**Mr. Jim Dinegar**  
**President and CEO, Greater Washington Board of Trade**

Jim Dinegar, President and CEO of the Greater Washington Board of Trade, will comment on the Brookings research and offer perspective on prospective growth industries in the region such as cybersecurity, life sciences, and hospitality.

**RECOMMENDED ACTION: Receive briefing.**

**10. PRESENTATION ON THE FEDERAL LABORATORY CONSORTIUM FOR TECHNOLOGY TRANSFER (FLC)  
(1:30-1:55PM)**

**Mr. Paul Zielinski**  
**Chair, Federal Laboratory Consortium for Technology Transfer**  
**Director, Technology Partnerships Office, National Institute of Standards and Technology**

The FLC is the nationwide network of federal laboratories that provides the forum to develop strategies and opportunities for linking laboratory mission technologies and expertise with the marketplace. The metropolitan Washington area has a large concentration of federal labs and is a leading region throughout the country. Paul Zielinski, Chair of the FLC will brief the Board of their work and mission to increase dialogue with state and local governments.

**RECOMMENDED ACTION: Adopt Resolution R30-2015, approving further collaboration between COG and the FLC.**

**11. OTHER BUSINESS  
(1:55-2:00PM)**

**12. ADJOURN – THE NEXT MEETING IS WEDNESDAY MAY 13, 2015  
(2:00PM)**



*Alternative formats of this agenda and all other meeting materials are available upon request. Email: [accommodations@mwkog.org](mailto:accommodations@mwkog.org). Phone: 202-962-3300 or 202-962-3213 (TDD). Please allow seven working days for preparation of the material. Electronic versions are available at [www.mwkog.org](http://www.mwkog.org).*



## **AGENDA ITEM #2**

## **ANNOUNCEMENTS**

# Housing Affordability in the National Capital Region



Please join a conversation about preserving and creating housing affordable to all residents & hear presentations on:

**Homelessness** - Preliminary regional 2015 Point-in-Time count results and a new regional compact to end homelessness

**Housing affordability** - Key findings from the recent report, "Unfulfilled Promises: Affordable Housing in Metropolitan Washington"

Human Services & Public Safety Policy Committee  
COG Board Room  
April 17, 2015 | 12-2pm





# Metropolitan Washington Council of Governments

*One Region Moving Forward*

District of Columbia  
Bladensburg\*  
Bowie  
Charles County  
College Park  
Frederick  
Frederick County  
Gaithersburg  
Greenbelt  
Montgomery County  
Prince George's County  
Rockville  
Takoma Park  
Alexandria  
Arlington County  
Fairfax  
Fairfax County  
Falls Church  
Loudoun County  
Manassas  
Manassas Park  
Prince William County

March 25, 2015

Dear Board Member:

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 our neighbors and our friends; they are families just like yours.

To recognize the outstanding foster parents in our communities, COG is hosting **Families Like Yours: Foster Parent of the Year Reception** on Wednesday May 13, 2015, before the Board meeting. We are inviting COG Board Members to attend the reception to meet their jurisdiction's outstanding parents. The details and approximate times are listed below, as well as additional information on each awardee on the following pages.

**Wednesday May 13, 2015**

Foster Parent of the Year Reception Meet and Greet: 10:30 am – 11:40 am

Individual Photos with Foster Parent of the Year: 11:00 am – 11:40 am

Video Premiere: 11:45 am - 12:07 pm

Announcement during Board Meeting: 12:07 pm – 12:17 pm

Kindly RSVP by **April 13, 2015**. If you have any questions about the **Foster Parent of the Year Reception** or to RSVP, please call Kamilah Bunn at 202-962-3264 or email, [kbunn@mwkog.org](mailto:kbunn@mwkog.org)

Regards,



Chuck Bean  
Executive Director

\*Adjunct Member

## **National Capital Region Foster Parents of the Year Awardees, 2015**

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### **City of Alexandria**

#### **Karen Fjeld, City of Alexandria Foster Parent of the Year Alexandria, VA**

Karen Fjeld immerses herself into the life of her foster child so they feel all the love and support she has to give. Ms. Fjeld ensures that family relationships continue to flourish while she supports her foster child in all of their interests such as: swimming lessons, guitar lessons, and kick boxing. Through her own international travels and fluency in many languages besides English, Ms. Fjeld opens a whole new world to her children, and has been an excellent foster parent that embraces children of many cultural backgrounds.

### **Arlington County**

#### **Jean Ray, Arlington County Foster Parent of the Year Springfield, VA**

For Jean Ray, traveling far and wide to support the needs of her foster children is not an issue. While a teenage girl was placed out of her home for a period of time due to treatment needs, Ms. Ray devoted time in her schedule to travel 60-90 miles to visit this young lady. Sadly, Ms. Ray was the only person to visit the young woman while she was in treatment, and continues to be the only positive role model this young woman has.

### **Fairfax County**

#### **Karen Humes, Fairfax County Foster Parent of the Year Dumfries, VA**

Affectionately referred to as “Suga Momma”, Karen Humes parents children who display very challenging behaviors and that have significant developmental and intellectual disabilities. Ms. Humes uses compassion, love, and creative discipline strategies to nurture both ongoing foster care and respite placements. Starting out as a kinship parent to her own grandchildren, Ms. Humes has a unique and important perspective. She has provided outstanding guidance to other foster parents as a trainer encouraging and supporting new families, and sharing her experience with them.

### **Loudoun County**

#### **Michael and Rachel Hunsberger, Loudoun County Foster Parents of the year Leesburg, VA**

Supportive in more ways than one, Michael and Rachel Hunsberger have fostered several children and formed positive working relationships with birth parents in their Leesburg community. The Hunsberger family has participated in several recruitment events to share their experiences with prospective foster families. As a result, the couple is responsible for many other foster parents deciding to start the process because of the Hunsberger’s can-do attitude. You see, the Hunsberger’s are a large family with four boys under the age of 7, plus one more on the way. Yet, they have extended themselves and offer to foster parent so they can be of service to other families in their community who need a helping hand. The Hunsbergers epitomize what it means to be selfless by fully embracing their role as foster parents.

### **Prince William County**

#### **Saeed and Michelle Riddick, Prince William County Foster Parents of the Year Stafford, VA**

The Riddick home is a fun home! The family owns their own entertainment business and instills the spirit of entrepreneurship, and working for a good cause, in all of their foster sons. The family hosts “Parties with a Purpose” inviting attendees to bring items to donate to charities. Through their connections in the community, the Riddicks ensure their foster sons have summer internships, weekend jobs, and connections to the business community so they can network themselves into careers they will love in the future.

**Charles County**  
**Stephen and Gilda Clifford, Charles County Foster Parents of the Year**  
**Waldorf, MD**

Stephen and Gilda Clifford are givers! They are humble generous people who wholeheartedly contribute all they have in the hopes of bettering the lives of children and families in their Waldorf community. This may be because Mr. Clifford was a foster child himself and can fully empathize with the children and their situations on a much deeper level. After each placement leaves, everyone in their large family mourns the loss, including their own children, three teenage and middle school-aged daughters. The Cliffords feel they are raising their children to embrace and understand what it means to give back. Despite the heartache of saying goodbye, the Cliffords feel it is important that they said hello, and gave that young foster child a chance to be loved, and to experience what family is all about.

**Frederick County**  
**Joe and Linda Daniele, Frederick County Foster Parents of the Year**  
**Frederick, MD**

“Their situation does not define them,” said Joe Daniele about the 19 foster care placements he and his wife, Linda, have cared for over the years. Linda and Joe are being recognized as outstanding foster parents because of their ability to take in challenging placements such as: sibling groups, teens, and young children with special needs. The couple raised four of their own children in the City of Frederick, and, just before their nest became empty, the Daniele’s decided to become foster parents. The way their journey into foster parenting began is far from the norm. Linda, a special education teacher in Frederick, learned that a student of hers was in foster care. She and the student had such a wonderful bond in the classroom that Linda decided to inquire about being his foster parent. After several years in their home as a foster placement, the Daniele family adopted this young man who they continue to love and adore.

**Montgomery County**  
**Dale and David McCloud, Montgomery County Foster Parents of the Year**  
**Clarksburg, MD**

As a high school basketball coach, Mr. McCloud has come to know many young men in Clarksburg, while Mrs. McCloud has served as a surrogate mother and friend to many neighborhood children. Even before the couple started foster parenting, they always had a home full of teenagers who would retire after a long practice, tournament, or game at Coach McCloud’s home. The McClouds officially became foster parents when one Coach’s player shared that he was in foster care, and wanted to know if the McClouds would consider keeping him. The timing was not ideal as the McClouds were newlyweds and had just returned from their honeymoon. Yet they said yes, and the rest is history! Two years later, the McClouds adopted that young man, who is now in college, and have warmly welcomed several other young men into their home as foster parents.

**Prince George’s County**  
**Jason and Jennifer Float, Prince George’s County Foster Parents of the Year**  
**Laurel, MD**

Jason and Jennifer Float are high school sweethearts who decided to give back by caring for local children as foster parents. This young couple have shown so much maturity and shared so much wisdom with their foster children’s birth family feel they learned how to be better parents from the Floats. The idea of loving and letting go is difficult for any foster parent to do. The Floats approached their role as foster parents fully embracing this idea and working diligently with the birth parents and children to bridge the gap. Despite the birth family’s history, which included drug use and incarcerations, the Floats did not stereotype them. Instead the Floats understood that people can and do change, and in time, this was exactly what happened! Thanks to the Floats, their foster children are well-adjusted and know they have two sets of parents who deeply care and love them.

**District of Columbia**  
**Isaac Lambert, DC Foster Parent of the Year**  
**Washington, DC – Anacostia**

Isaac Lambert is very charismatic. As a foster parent, Mr. Lambert has had more than 14 young men come into his home. Each of the youngsters felt comfortable calling him “Dad” almost immediately. Mr. Lambert diligently encourages every boy that comes into his home to be the best they can be at school, at sports, and in life in general. He is their number one fan! Mr. Lambert ultimately adopted one young man he fostered and became the legal guardian of another. Mr. Lambert has developed an open door policy for all of “his boys.” Some who have aged out of the system, know they can always count on Mr. Lambert for support.



## **AGENDA ITEM #3**

# **EXECUTIVE DIRECTOR'S REPORT**



### **NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD**

At its March meeting, the TPB approved the FY 2016 Unified Planning Work Program, which is required as a basis and condition for all funding assistance for transportation planning to state, local and regional agencies by the Federal Transit Administration and Federal Highway Administration. The TPB also approved the Commuter Connections FY 2016 Work Program.

### **METROPOLITAN WASHINGTON AIR QUALITY COMMITTEE**

MWAQC approved a letter to EPA regarding their proposed revision to the ozone national ambient air quality standard. MWAQC supports the range of the proposed standard, 65-70 parts per billion as being more protective of human health and the environment and is pleased that EPA's recommendation is consistent with the Clean Air Scientific Advisory Committee. MWAQC believes that the proposal is the next logical step in a long term effort to improve air quality.

### **CHESAPEAKE BAY AND WATER RESOURCES POLICY COMMITTEE**

CBPC agreed upon specific state and national advocacy issues to address this year on behalf of local governments and utilities. Members were also briefed on the Chesapeake Bay Program's (CBP) draft Management Strategies ([which are open for public comment](#)), directed staff to work with the Water Resources Technical Committee to develop formal comments, and agreed to work more closely with the CBP's Local Government Advisory Committee (LGAC) over the coming year.

### **CLIMATE, ENERGY, AND ENVIRONMENT POLICY COMMITTEE**

CEEPC received a presentation on efforts by a partnership of COG, local governments, and other regional agencies to develop a collaborative initiative to procure solar energy systems. The Committee was briefed on successful procurements and discussed opportunities for additional jurisdictions to install solar.

Member Feature:

### **Q&A w/ EMMETT JORDAN**

City of Greenbelt Mayor and Chairman of the Region Forward Coalition discusses how he got into public service, how the Coalition helps address the region's challenges as well as COG's value to his city.

[CLICK HERE TO READ THE Q&A.](#)

**WMATA-COG COORDINATION**

COG Deputy Executive Director Stuart Freudberg, COG Fire Chiefs Chairman Marc Bashoor (Prince George’s County), and COG 9-1-1 Directors Chairman Steve Souder (Fairfax County) spoke at WMATA’s Safety and Security Committee meeting about ongoing coordination between WMATA and COG following the January 12 incident. The officials referenced work responding to requests from Senator Mark Warner (D-VA) regarding radio system communications and Senator Barbara Mikulski (D-MD) regarding emergency evacuation training for first responders to the Metrorail system. LETTERS TO SENATORS ATTACHED IN PACKET.

**SUMMIT ON HOMELESSNESS**

Montgomery County Executive Ike Leggett, District of Columbia Mayor Muriel Bowser, and Prince George’s County Executive Rushern L. Baker III organized a summit on homelessness in Silver Spring and signed Charters committing to work together to eliminate homelessness. COG Executive Director Chuck Bean, who attended the summit, said COG is prepared to support their new efforts and work with other jurisdictions and partners in the region.

**ECODISTRICT PLANNING**

COG’s Jeff King, John Swanson, and Lamont Cobb participated in the D.C. Office of Planning’s meeting for the Congress Heights/St. Elizabeth Ecodistrict. COG staff supported discussions in the energy and transportation planning subgroups.

**SUSTAINABLE COMMUNITIES**

A COG-led group, including participants from Alexandria, the SW Business Improvement District, Prince George’s County Redevelopment Authority, Bethesda Green, The Livability Project, and NCPC, took part in the Institute of Sustainable Communities Leadership Academy on Climate Resilience and Economic Development in Boston to help local leaders advance sustainability initiatives.

**AMERICA RECYCLES DAY WINNER**

Teja Dupree, a student at Woodbridge High School in Prince William County, won the America Recycles Day pledge drawing sponsored by COG’s Recycling Committee. Her school will receive a \$500 check for use on a recycling or other environmental program.

**NATIONAL DRINKING WATER WEEK**

COG’s Community Engagement Campaign is planning a series of public events for National Drinking Water Week, May 4-8, to highlight the region’s water infrastructure and the benefits of tap water. Local water utilities will be serving cold, refreshing tap water and promoting the TapIt campaign at the Smithsonian Garden Fest behind the Smithsonian Castle on May 8.



Outreach Highlight:  
**WOJAHN, BEAN TALK  
TRANSPORTATION NEEDS AT  
NLC CONFERENCE**

At the National League of Cities’ Congressional City Conference, College Park Councilmember and former TPB Chairman Patrick Wojahn and COG Executive Director Chuck Bean discussed the federal transportation bill on a panel arranged in part by Greenbelt Mayor and NLC Community & Economic Development Steering Committee Member Emmett Jordan.

**TRANSPORTATION PLANNING BOARD - APRIL 15**

**HUMAN SERVICES AND PUBLIC SAFETY POLICY COMMITTEE - APRIL 17**

**REGION FORWARD COALITION - APRIL 24**

**2015 ARRIVE ALIVE & SURVIVE SYMPOSIUM - APRIL 24-25**

**ANNUAL CORRECTIONS WREATH LAYING CEREMONY & HONOR GUARD COMPETITION - MAY 9**

**CLEAN AIR PARTNERS ANNUAL CELEBRATION AND AWARDS - MAY 13**

**BIKE TO WORK DAY - MAY 15**

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

**GOVERNING MAGAZINE FEATURES COG INFRASTRUCTURE REPORT**

In a column on “Why a Regional View of Infrastructure Is Crucial” written for Governing, Bob Graves featured COG’s State of the Region: Infrastructure Report. He wrote “the COG report serves as a template for other regions.” [STORY ATTACHED IN PACKET.](#)

**TIM LOVAIN, CHUCK BEAN DISCUSS REGIONAL GROWTH ON NEWS CHANNEL 8**

Alexandria Councilmember Tim Lovain, who serves as TPB Vice Chairman, and COG Executive Director Chuck Bean discussed COG’s recent population and job forecasts and how the region is preparing for this growth as guests on NewsTalk with Bruce DePuyt on News Channel 8. [CLICK HERE FOR THE SHOW.](#)

**STUDY ON REGIONAL BUS STAGING, PARKING FEATURED IN WASHINGTON POST**

A recent TPB study looked at possible locations throughout the District of Columbia and Arlington County where buses could arrive early and wait for afternoon routes to begin. The study was a step toward providing more staging and parking opportunities for commuter and tour buses, which are an integral part of the region’s transportation system. [CLICK HERE FOR THE STORY.](#)



Media Highlight:  
**AREA OFFICIALS PROMOTE  
 SPRING 2015 STREET SMART  
 CAMPAIGN ON NBC4**

Walter Tejada, Vice Chairman of the Arlington County Board and COG Board Member, Captain Tom Didone of the Montgomery County Police Department, and George Branyan, Pedestrian Program Coordinator of DDOT talked about pedestrian and bicyclist safety on NBC4’s Viewpoint show. In addition, Street Smart’s launch in College Park was highlighted in several local news stories.

[CLICK HERE FOR THE SHOW.](#)



# GOVERNING

THE STATES AND LOCALITIES

## Why a Regional View of Infrastructure Is Crucial

***A new report covering the national capital area could serve as a template for other regions to engage the public and deal with funding gaps.***

BY: [Bob Graves](#) | March 25, 2015

Dramatic images of crumbling roadways, derailed trains and collapsed bridges can be counted on to make the evening news. But the public-sector financial bodies, planning organizations and engineers entrusted with the maintenance and repair of our infrastructure aren't particularly newsworthy -- until something really bad happens. Ensuring that infrastructure gets the attention it needs before those bad things happen is a significant challenge for government.

Given that need to get the public and policy-makers to focus on the state of the crucial systems that underlie our regions, the recently released "[2015 State of the Region: Infrastructure Report](#)" by the Metropolitan Washington Council of Governments (COG) is remarkable for both its purpose and scope.

**This column appears in our monthly Infrastructure email newsletter. [Click to subscribe.](#)**

"We wanted to get beyond a simple letter grade for the condition of our infrastructure," explained Chuck Bean, executive director of COG, which addresses regional issues in Washington, D.C., and its Maryland and Virginia suburbs. "We created an inventory to understand how the infrastructure got there, who owns it and what we can do about it."

COG's staff recommended that the study focus on five of the region's most critical sectors: transportation, water, energy, local-government buildings and public-safety communications. These were selected because they're lifeline infrastructure systems that are regional in scope and significantly affected by government regulation.

A quick review of the inventory points out the magnitude of the challenges that await policy-makers: 1,500 Metro buses, 91 Metro rail stations, 117 miles of track, 1,363 miles of highway, 18 major wastewater plants, seven electric and three natural gas retailers, 13 drinking-water suppliers and 27 water distributors, and three major airports.

That's a lot to deal with, including both maintenance of existing infrastructure and updates and expansions to deal with future growth, and the report estimates a regional funding gap of \$58 billion over the next 15 years. The report calls attention to the

importance of bringing infrastructure needs to the forefront of discussion among both public and private-sector providers.

With that in mind, the report recommends the creation of a regional "infrastructure exchange" group that would study and prioritize projects and ways of funding them. It also calls for a sustained public-education campaign to raise awareness of the region's infrastructure needs as well as a series of workshops bringing together experts to "brainstorm out-of-the-box funding mechanisms" to pay for them.

Recent Governing Institute research highlights the importance of these recommendations. When members of the Institute's Exchange community were surveyed on "the biggest challenges your region faces in getting from where it is to where you would like it to be," 54 percent responded with "funding" followed by "lack of leadership or vision" (18 percent), "community resistance to change" (12 percent) and "regional governance issues" (11 percent). When asked if they thought citizens "have a good understanding of what it really costs to build and maintain infrastructure," a remarkable 88 percent replied "no."

While COG officials acknowledge that its report is not the first regional infrastructure analysis, they do claim it to be the most in-depth inventory of these critical sectors. As such, the COG report serves as a template for other regions. Leaders of the hundreds of other regional government councils across the country would do well to review and share COG's data, findings and recommendations to generate interest in creating their own "state of the region" infrastructure reports.

But the real work in the metropolitan Washington region is just beginning. "Now, our challenge is to put this valuable information to good use as each of our jurisdictions, authorities and other infrastructure owners and regulators set budgets and consider projects," wrote Phil Mendelson, chairman of the D.C. city council and former chair of COG.

How might we measure their progress? If the region's leaders are successful in using this assessment, prioritizing their projects and finding innovative funding, it's a lot less likely that images of crumbling local infrastructure will be dominating the evening news around the nation's capital.

This article was printed from: <http://www.governing.com/blogs/view/gov-regional-view-infrastructure-metropolitan-washington-dc.html>

# Metropolitan Washington Council of Governments

*One Region Moving Forward*

April 1, 2015

District of Columbia  
Bladensburg\*  
Bowie  
Charles County  
College Park  
Frederick  
Frederick County  
Gaithersburg  
Greenbelt  
Montgomery County  
Prince George's County  
Rockville  
Takoma Park  
Alexandria  
Arlington County  
Fairfax  
Fairfax County  
Falls Church  
Loudoun County  
Manassas  
Manassas Park  
Prince William County

The Honorable George Barker  
Senator, 39<sup>th</sup> District  
P.O. Box 10527  
Alexandria, Virginia 22310

Re: SB 1378

Dear George:

One of your successes from this Virginia General Assembly Session is also a big accomplishment for COG. As you know in patroning SB 1378, COG will now have another tool to use for the benefit of its 22 Member Jurisdictions in jointly procuring goods and services.

As I told the COG Board of Directors at its meeting, we are very pleased with your excellent assistance in obtaining passage of this legislation which specifically allows public bodies to enter into cooperative procurement contracts with COG and administered by COG.

In addition, through your good offices, our Purchasing Staff has been connected with Commonwealth General Services staff who are also eager to work with COG.

Thank you for your work on behalf of COG as a member of the Board of Directors, and for your particular work on obtaining this significant legislation for COG and its members throughout the National Capital Region.

Best wishes,



Chuck Bean  
Executive Director

cc: Board of Directors  
Sharon E. Pandak, General Counsel  
George Hohmann, Contracts & Purchasing Manager

# VIRGINIA ACTS OF ASSEMBLY -- 2015 SESSION

## CHAPTER 352

*An Act to amend and reenact § 2.2-4304 of the Code of Virginia, relating to the Virginia Public Procurement Act; cooperative procurement; certain councils of governments.*

[S 1378]

Approved March 19, 2015

**Be it enacted by the General Assembly of Virginia:**

**1. That § 2.2-4304 of the Code of Virginia is amended and reenacted as follows:**

**§ 2.2-4304. Cooperative procurement.**

A. Any public body may participate in, sponsor, conduct, or administer a cooperative procurement agreement on behalf of or in conjunction with one or more other public bodies, or public agencies or institutions or localities of the several states, of the United States or its territories, the District of Columbia, or the U.S. General Services Administration, *or the Metropolitan Washington Council of Governments*, for the purpose of combining requirements to increase efficiency or reduce administrative expenses in any acquisition of goods and services.

A public body may purchase from another public body's contract *or from the contract of the Metropolitan Washington Council of Governments* even if it did not participate in the request for proposal or invitation to bid, if the request for proposal or invitation to bid specified that the procurement was being conducted on behalf of other public bodies, except for:

1. Contracts for architectural or engineering services; or
2. Construction in excess of \$200,000 by a local public body from the contract of another local public body that is more than a straight line distance of 75 miles from the territorial limits of the local public body procuring the construction. The installation of artificial turf or other athletic surfaces shall not be subject to the limitations prescribed in this subdivision. Nothing in this subdivision shall be construed to prohibit sole source or emergency procurements awarded pursuant to subsections E and F of § 2.2-4303.

In instances where any authority, department, agency, or institution of the Commonwealth desires to purchase information technology and telecommunications goods and services from another public body's contract and the procurement was conducted on behalf of other public bodies, such purchase shall be permitted if approved by the Chief Information Officer of the Commonwealth. Any public body that enters into a cooperative procurement agreement with a county, city, or town whose governing body has adopted alternative policies and procedures pursuant to subdivisions A 9 and A 10 of § 2.2-4343 shall comply with the alternative policies and procedures adopted by the governing body of such county, city, or town.

B. Subject to the provisions of §§ 2.2-1110, 2.2-1111, 2.2-1120 and 2.2-2012, any authority, department, agency, or institution of the Commonwealth may participate in, sponsor, conduct, or administer a cooperative procurement arrangement on behalf of or in conjunction with public bodies, private health or educational institutions or with public agencies or institutions of the several states, territories of the United States, or the District of Columbia, for the purpose of combining requirements to effect cost savings or reduce administrative expense in any acquisition of goods and services, other than professional services. A public body may purchase from any authority, department, agency or institution of the Commonwealth's contract even if it did not participate in the request for proposal or invitation to bid, if the request for proposal or invitation to bid specified that the procurement was being conducted on behalf of other public bodies. In such instances, deviation from the procurement procedures set forth in this chapter and the administrative policies and procedures established to implement this chapter shall be permitted, if approved by the Director of the Division of Purchases and Supply.

Pursuant to § 2.2-2012, such approval is not required if the procurement arrangement is for telecommunications and information technology goods and services of every description. In instances where the procurement arrangement is for telecommunications and information technology goods and services, such arrangement shall be permitted if approved by the Chief Information Officer of the Commonwealth. However, such acquisitions shall be procured competitively.

Nothing herein shall prohibit the payment by direct or indirect means of any administrative fee that will allow for participation in any such arrangement.

C. As authorized by the United States Congress and consistent with applicable federal regulations, and provided the terms of the contract permit such purchases:

1. Any authority, department, agency, or institution of the Commonwealth may purchase goods and nonprofessional services, other than telecommunications and information technology, from a U.S. General Services Administration contract or a contract awarded by any other agency of the U.S.

government, upon approval of the director of the Division of Purchases and Supply of the Department of General Services;


2. Any authority, department, agency, or institution of the Commonwealth may purchase telecommunications and information technology goods and nonprofessional services from a U.S. General Services Administration contract or a contract awarded by any other agency of the U.S. government, upon approval of the Chief Information Officer of the Commonwealth; and

3. Any county, city, town, or school board may purchase goods and nonprofessional services from a U.S. General Services Administration contract or a contract awarded by any other agency of the U.S. government.

District of Columbia  
Bladensburg\*  
Bowie  
Charles County  
College Park  
Frederick  
Frederick County  
Gaithersburg  
Greenbelt  
Montgomery County  
Prince George's County  
Rockville  
Takoma Park  
Alexandria  
Arlington County  
Fairfax  
Fairfax County  
Falls Church  
Loudoun County  
Manassas  
Manassas Park  
Prince William County

AGENDA – April 8, 2015  
March 24, 2015

**TO: COG BOARD OF DIRECTORS**

**FROM: SHARON E. PANDAK**   
**General Counsel**

**RE: NOTICE OF PROPOSED BY-LAWS AMENDMENTS  
RELATING TO CORPORATE AND FINANCIAL MATTERS**

This advance notice is given pursuant to the By-Laws requirement in §13.02 which requires notice one meeting in advance of the meeting scheduled for voting on By-Laws amendments. The amendments will be before the Board for consideration at its May 13, 2015 meeting. The proposed amendments update the By-Laws with respect to certain corporate and financial matters.

**Proposed By-Laws Amendments**

CFO Leta Simons has recommended the following proposed amendments:

- Amend §8.07 to delete reference to a corporate seal: Corporate seals are no longer routinely used. In recent years, the secretary-treasurer has not had custody of the COG seal, and the seal cannot be located.
- Amend §§ 11.02 and 11.03: The proposed amendments are made in anticipation of using forecasts to set dues amounts by January 31st, in order to allow member jurisdictions to prepare their upcoming budgets. The Board would set the budget schedule annually based on a staff recommendation that COG will develop its comprehensive budget later in the year, with anticipated BOD approval in April.
- Amend §11.05 to require the audit report to be made available to members and others by the end of January. The current wording is vague as to the deadline; “close of the audit” is not a current common or defined term.

777 North Capitol Street, NE, Suite 300 Washington, D.C. 20002  
202.962.3200 (Phone) 202.962.2301 (Fax) 202.962.3213 (TDD)  
mwkog.org

\*Adjunct Member

## TEXT OF PROPOSED AMENDMENTS

**§ 8.07** The secretary-treasurer of the corporation shall be responsible for the financial affairs of the corporation. The secretary-treasurer shall also have responsibility for preparing or supervising the preparation of minutes of the board of directors and of the general membership, and for maintaining and authenticating records of the corporation required by law to be kept and maintained. ~~The secretary-treasurer shall keep in sole custody the seal of the corporation and, when authorized by the Board, affix the same to any instrument requiring it and, when so affixed, it shall be attested by his/her signature, or by the signature of another office or an employee or agent of the corporation duly authorized by the Board to do so.~~

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**§ 11.02** ~~The Executive Director shall submit a~~ A proposed budget of the corporation shall ~~be submitted to the Board of Directors by the Executive Director pursuant to a schedule established annually by at least 14 days before the Board of Directors meeting that precedes the annual meeting.~~ The budget shall be submitted to the Board of Directors who shall approve the proposed budget as presented or modify it.

---

**§ 11.03** Each year, upon the adoption of the annual budget by the Board of Directors, assessments of the annual fees for all members and other participating governments and agencies shall be fixed no later than January 31, for the subsequent fiscal year beginning July 1. Assessments shall be in amounts sufficient to provide the funds required to meet the goals and priorities of the corporation. ~~by the budget.~~ Any member or other participant whose local government's annual assessment has not been paid by the end of the fiscal year for which the assessment was made shall forfeit all rights, privileges and prerogatives of membership and participation, until such assessment is paid in full.

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**§ 11.05** The books of the corporation shall be audited annually by a certified public accountant or accountants, and the audit report for each preceding fiscal year shall be made available to the members and participating governments no later than ~~three (3)~~ seven (7) months after the close of the fiscal year audit.

### **Proposed Process**

Pursuant to §13.02, the By-Laws may be amended at a regular meeting of the Board by a 3/4 majority of the members present and voting. The Board can act at its May meeting. The Board's Budget & Finance Committee will be asked to review these proposed amendments prior to the May meeting of the Board of Directors.

Ms. Simons, Mr. Freudberg and I would be glad to answer any questions that you may have.

cc: Chuck Bean, Executive Director  
Stuart Freudberg, Deputy Executive Director  
Leta Simons, Chief Financial Officer



## **AGENDA ITEM #4**

# **AMENDMENTS TO THE AGENDA**

(No attachment)





## **AGENDA ITEM #5**

# **APPROVAL OF MINUTES OF MARCH 11, 2015**

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

**MINUTES  
Board of Directors Meeting  
March 11, 2015**

**BOARD MEMBERS AND ALTERNATES PRESENT AND NOT PRESENT:** See attached chart for attendance

**STAFF:**

Chuck Bean, Executive Director  
Sharon Pandak, General Counsel  
Monica Beyrouti, Member Services Associate/Clerk to the Board

**GUESTS:**

Dr. Terry Clower, Deputy Director, Center for Regional Analysis, George Mason University

**1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**

Chairman Euille called the meeting to order at 12:05PM and led those present in the Pledge of Allegiance.

**2. ANNOUNCEMENTS**

A. 2015 Board Handbook

**3. EXECUTIVE DIRECTOR'S REPORT**

Executive Director Chuck Bean shared that there is a strong possibility the Dave Thomas Foundation may be cutting funding for the Wednesday's Child Program. Mr. Bean directed staff to engage the COG Child Welfare Committee to review other funding options for a continuing contingency plan and suggested Chairman Euille motion for the formation of an ad-hoc committee of Board members to strategize with staff on potential funding options. Mr. Bean updated the Board on Metrorail safety initiatives and responses to Senator Warner and Senator Mikulski's correspondence. COG staff is coordinating with WMATA on many safety work plans to improve safety and training initiatives. Mr. Bean called the Board's attention to the upcoming Senior Leaders Seminar on April 29, 2015. Next Mr. Bean shared various media and jurisdictional outreach throughout the past month. Mr. Bean thanked Senator Barker for his championing of legislation on cooperative purchasing to help COG members in Virginia gain access to COG cooperative contracts. Mr. Bean shared outcomes from a recent Executive Committee meeting that focused on the Board Focus for 2015. Lastly, Mr. Bean highlighted the March Heart of COG employee, Maia Davis, and her leadership in the White House climate and energy competition.

**4. AMENDMENTS TO AGENDA**

There were no amendments to the agenda.

**5. APPROVAL OF MINUTES**

The minutes of the February 11, 2015 Board Meeting were approved.

**6. ADOPTION OF CONSENT AGENDA ITEMS**

**A. RESOLUTION AUTHORIZING COG TO SUBMIT A PROPOSED SCOPE OF SERVICE TO THE PRINCE GEORGE'S DEPARTMENT OF THE ENVIRONMENT FOR THE ANACOSTIA TRASH MS4 AND TMDL MONITORING AND GIS-RELATED ASSISTANCE PROJECT**

The Board adopted Resolution R16-2015, authorizing the Executive Director, or his designee, to submit a proposal and execute a contract in an amount not to exceed \$450,010 to perform trash monitoring surveys, evaluate trash reduction technologies, work in the Chillum-Ray community and with the Ridgecrest Elementary School, and work with the County to customize a trash-related GIS database that meets the County's data sharing, tracking and reporting needs. The project duration will be 4-years from contract execution.

**B. RESOLUTION AUTHORIZING COG TO ENTER INTO CONTRACTS FOR MICROSOFT OFFICE 365 MIGRATION SERVICES**

The Board adopted Resolution R17-2015, authorizing the Executive Director, or his designee to enter into a contract not to exceed \$50,000 with a vendor selected through competitive procurement process to perform tasks necessary to setup Microsoft Office 365 and complete data migration. COG currently maintains Microsoft Exchange and Microsoft SharePoint in-house. COG performed a cost-benefit analysis and determined that a 49 percent cost savings over five years could be realized by moving to Microsoft Office 365. In addition to the cost savings, Microsoft Office 365 will provide a more robust and highly available email and collaboration solution for COG staff. The funds for this project are included in COG's approved IT Annual Operating Budget for FY2015.

**C. RESOLUTION AUTHORIZING COG TO RECEIVE AND EXPEND FUNDS FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT TO SUPPORT THE EXECUTIVE WATERSHED MANAGER FOR THE ANACOSTIA**

The Board adopted Resolution R18-2015 authorizing the Executive Director, or his designee, to submit a proposal and execute a contract in the amount up to \$50,000 from the Maryland Department of the Environment (MDE) for a one year grant to support the Executive Watershed Manager for the Anacostia. Additional support for this position will be provided through the Anacostia Restoration Watershed Partnership.

**ACTION: The Board adopted Resolutions R16-2015 to R18-2015.**

**7. SECOND QUARTER FINANCIAL REPORT**

Ms. Simons briefed the Board on the FY2015 Second Quarter Financial Report.

**ACTION: The Board received the briefing.**

**8. BRIEFING ON THE MULTI-SECTOR GREENHOUSE GAS WORKING GROUP**

Deputy Executive Director Stuart Freudberg briefed the Board on the creation of a multi-sector, multi-disciplinary professional workgroup to examine implementable local, regional, and state actions needed to reduce the region's greenhouse gases. The workgroup has been asked to quantify direct and co-benefits, costs, and potential implementation timeframes for the actions and consider exploration of greenhouse gas reduction goals, measures or targets for the Energy, Transportation, Land Use and Built Environment sectors.

**ACTION: The Board received the briefing.**

**9. 2015 BOARD FOCUS: REGIONAL ECONOMIC COMPETITIVENESS**

Dr. Terry Clower from the George Mason University’s Center for Regional Analysis highlighted the current state of the economy in the metropolitan Washington region. Following Dr. Clower’s presentation Fairfax County Chairman Sharon Bulova and Supervisor Foust presented the recently passed Fairfax County Strategic Plan to Facilitate Economic Success. The Executive Committee facilitated discussion among Board members and shared their thoughts on how regional economic competitiveness could help the region emerge as a global leader and further encourage businesses to expand and continue to locate in the National Capital Region.

**ACTION: The Board adopted Resolution R19-2015, approving the 2015 Board Focus.**

**10. OTHER BUSINESS**

None.

**14. ADJOURNMENT** – Upon motion duly made and seconded, the meeting was adjourned at 2:00PM.

<u>Jurisdiction</u>	<u>Member</u>	<u>Y/N</u>	<u>Alternate</u>	<u>Y/N</u>
<b>District of Columbia</b>				
<b>Executive</b>	Hon. Muriel Bowser		Brenda Donald Brian Kenner	
	Mr. Rashad Young		Kevin Donahue	
<b>Council</b>	Hon. Phil Mendelson	Y		
	<b>Hon. Kenyan R. McDuffie</b>	Y		
<b>Maryland</b>				
Bowie	Hon. G. Frederick Robinson	-	Hon. Dennis Brady	Y
Charles County	Hon. Ken Robinson	Y	Hon. Amanda Stewart Hon. Peter Murphy	
City of Frederick	Hon. Randy McClement	Y		
Frederick County	Hon. Jan Gardner			
College Park	Hon. Andrew Fellows	Y	Hon. Denise Mitchell	
Gaithersburg	Hon. Jud Ashman		Hon. Cathy Drzyzgula Hon. Neil Harris	Y
Greenbelt	Hon. Emmett Jordan		Hon. Judith "J" Davis	Y
Montgomery County				
<b>Executive</b>	Hon. Isiah Leggett		Mr. Tim Firestine	
<b>Council</b>	<b>Hon. Roger Berliner</b>	Y		
	Hon. Nancy Navarro			
Prince George's County				
<b>Executive</b>	Hon. Rushern Baker		Mr. Nicholas Majett	Y
<b>Council</b>	Hon. Karen Toles	Y		
	Hon. Andrea Harrison	Y		
Rockville	Hon. Bridget Newton	Y	Emad Elshafei	
Takoma Park	Hon. Bruce Williams	Y	Hon. Terry Seamens	
Maryland General Assembly	Hon. Brian Feldman			
<b>Virginia</b>				
Alexandria	<b>Hon. William Euille</b>	Y	Hon. Redella Pepper	
Arlington County	Hon. Walter Tejada	Y	Hon. Jay Fissette	
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. Michael Frey	
Falls Church	Hon. David Tarter		Hon. David Snyder	Y
Loudoun County	Hon. Matt Letourneau	Y		
Loudoun County	Hon. Scott York	Y	Hon. Shawn Williams	
Manassas	Hon. Jonathan Way	Y		
Manassas Park	Hon. Michael Carrera	Y	Hon. Suhas Naddoni	
Prince William County	Hon. Frank Principi	Y	Pete Candland	
	Hon. Jeanine Lawson	Y		
Virginia General Assembly	Hon. George Barker	Y		

Total: 27



## **AGENDA ITEM #6**

# **APPROVAL OF CONSENT AGENDA ITEMS**

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

**RESOLUTION ESTABLISHING CRITERIA FOR EXTERNAL AUDIT FIRM SELECTION AND RETENTION**

**WHEREAS**, the by-laws of the Metropolitan Washington Council of Governments (COG) require the books of the corporation to be audited annually by a certified public accountant; and

**WHEREAS**, the Rules of Procedures of the Board of Directors delegate oversight of the auditor selection process to the Audit Committee; and

**WHEREAS**, assurance of quality audit services requires initial and ongoing assessment and evaluation of the auditor's professional qualifications and performance;

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

The following procedure will be followed with respect to selection and retention of audit firms:

1. By January 31 of each calendar year, the Audit Committee will make a recommendation to the Board of Directors whether to retain the current audit firm or seek new proposals for audit services, and provide justification to support the Committee's recommendation.
  - The Audit Committee's recommendation will be supported by an annual assessment of the current auditor's independence, planning and conduct during the audit process, impartiality to management, effective communication with the Audit Committee, recent peer review report, industry knowledge and experience, competitive pricing of services, and other factors affecting COG's best interests.
  - Selection of a new audit firm or partner will be based on the auditor's experience with organizations similar to COG, independence, ability to provide timely services, client references, peer review reports, and competitive pricing.
2. At least every five (5) years, the Audit Committee will solicit informal quotes or formal proposals from at least three (3) qualified audit firms (which may include the current audit firm) to assess competitive pricing of audit services.

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

**RESOLUTION AUTHORIZING COG TO APPLY FOR AND EXECUTE A GRANT CONTRACT WITH THE  
FEDERAL AVIATION ADMINISTRATION**

**WHEREAS**, the Aviation Investment and Reform Act for the 21<sup>st</sup> 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 received funding for the first time from AIP apportionments for the CASP 19 grant; and

**WHEREAS**, the FAA administers a program that provides funds for continuing air transportation systems planning in large metropolitan regions and COG is recognized by FAA as the air systems planning agency for the Metropolitan Washington region; 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 twenty-nine separate phases of this continuing planning effort and has indicated its willingness to fund a Phase 30 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 Federal Aviation Administration to conduct Phase 30 of a multi-year program for Continuous Airport System Planning for the National Capital Region in an amount not to exceed \$250,000. This application and subsequent grant contract would include the following tasks: (1) Ground Access Travel Time Update, (2) Process 2015 Air Passenger Survey (Phase 1). 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. The FAA will provide funds for ninety percent, \$225,000, of the project total. A ten percent match of \$25,000 will be provided from COG budgeted local funds.



**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 DEVELOP THE DISTRICT  
DAMAGE ASSESSMENT BASE PLAN – PART 2 FOR THE DISTRICT OF COLUMBIA**

**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 Homeland Security and Emergency Management Agency (HSEMA) to procure a contractor to build upon the damage assessment planning effort and develop an associated Community Collaborative Planning Framework to educate local communities on confirmed hazards ; and

**WHEREAS**, the Community Collaborative Planning Framework should open dialogue, facilitate coordinated community planning, and allow stakeholders to engage in the decision making process; and

**WHEREAS**, the initiative will promote self-sufficiency and shared responsibility by developing and implementing a grassroots approach at the neighborhood level that will provide a platform for risk education and community engagement; and

**WHEREAS**, funding for the procurement and contract has been provided to COG by 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 receive and expend up to \$162,257 to procure a contractor to build upon the damage assessment planning effort and develop an associated Community Collaborative Planning Framework to educate local communities on confirmed hazards.

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, NE  
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO DEVELOP AND CONDUCT THE DISTRICT TRAINING AND EXERCISE PLANNING (TEP) WORKSHOP 2015 FOR THE DISTRICT OF COLUMBIA**

**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 Homeland Security and Emergency Management Agency (HSEMA) to procure a contractor to support the development and conduct of a Training and Exercise Workshop and update of the HSEMA Multi-Year Training and Exercise Plan (TEP) ; and

**WHEREAS**, the project will enable HSEMA to address the highest priority training and exercise needs identified in the TEP through a continuous three year cycle consistent with U.S. Department of Homeland Security guidance; and

**WHEREAS**, the initiative will ensure that HSEMA has the capacity to plan, conduct, and coordinate priority, local, state, and regional trainings and exercises for appropriate disaster response personnel; and

**WHEREAS**, funding for the procurement and contract has been provided to COG by 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 receive and expend up to \$105,000 to procure a contractor to support the development and conduct of a Training and Exercise Workshop and update of the HSEMA Multi-Year Training and Exercise Plan (TEP).

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, NE  
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO PROVIDE STRATEGIC  
SUPPORT FOR THE DISTRICT OF COLUMBIA**

**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 Homeland Security and Emergency Management Agency (HSEMA) to procure a contractor to provide program management and administrative support to HSEMA that will include two full time positions for one year ; and

**WHEREAS**, a State Program Manager position will be responsible for coordination between the District of Columbia and partners in the NCR on matters relating to homeland security and emergency management; and

**WHEREAS**, a Special Assistant/Special Projects Manager position will assist the HSEMA Director and Chief of Staff with agency oversight and will plan and execute the HSEMA Senior Management Offsite and prepare the HSEMA Five Year Vision Plan; and

**WHEREAS**, funding for the procurement and contract has been provided to COG by 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 receive and expend up to \$288,750 to procure a contractor to provide program management and administrative support to HSEMA that will include two full time positions to HSEMA for one year.

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, NE  
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO COMPLETE DISTRICT  
EVACUATION PLANNING FOR THE DISTRICT OF COLUMBIA**

**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 Homeland Security and Emergency Management Agency (HSEMA) to procure a contractor to develop a comprehensive and accessible District Emergency Evacuation Plan through a comprehensive planning process with the District, regional, federal, and other public and private stakeholders ; and

**WHEREAS**, the District Evacuation Plan will be required to align with the precepts outlined in the District Preparedness Framework, District Response Plan, district State Operations Guide (SOG), and the District Field Operations Guide (FOG); and

**WHEREAS**, funding for the procurement and contract has been provided to COG by 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 receive and expend up to \$200,000 to procure a contractor to develop a comprehensive and accessible District Emergency Evacuation Plan through a comprehensive planning process with the District, regional, federal, and other public and private stakeholders.

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, NE  
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO PROCURE AND ENTER INTO A CONTRACT TO COMPLETE A METRO PUBLIC SAFETY COMMUNICATIONS INTEROPERABILITY STUDY**

**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 Homeland Security and Emergency Management Agency (HSEMA) to procure a contractor to complete a comprehensive study of the Washington Metropolitan Area Transit Authority (WMATA) underground communications system; and

**WHEREAS**, the study will include specific evaluations and analysis of system effectiveness and interoperability with regional government communications systems and recommendations on how to maximize effective communication and emergency response to incidents in the WMATA system; and

**WHEREAS**, funding for the procurement and contract has been provided to COG by 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 receive and expend up to \$262,500 to procure a contractor to complete a comprehensive study of the Washington Metropolitan Area Transit Authority (WMATA) underground communications system.

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, NE  
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO ENTER INTO A CONTRACT WITH MILLIGAN & COMPANY, LLC TO  
IMPLEMENT IMPROVEMENTS TO TITLE VI AND DISADVANTAGED BUSINESS ENTERPRISE (DBE)  
PROGRAMS**

**WHEREAS**, the Metropolitan Washington Council of Governments (COG) requires assistance to complete work on Title VI Program and DBE Program requirements; and

**WHEREAS**, Milligan & Company, LLC will implement improvements to Title VI and DBE programs and provide a framework for COG staff; and

**WHEREAS**, the improvements will allow COG to comply with all federal requirements; and

**WHEREAS**, funding for this project is available using existing COG budgeted funds.

**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 Milligan & Company, LLC and expend funds in the amount not to exceed \$46,000.

Funding for this project is available in existing COG budgeted funds.

**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 SUPPORT THE REGIONAL  
MULTI-SECTOR WORKING GROUP**

**WHEREAS**, in November 2008 the COG Board, through Resolution R60-08, adopted the National Capital Region Climate Change Report that included voluntary goals to reduce greenhouse gas emissions in the Region; and

**WHEREAS**, in January 2010 the COG Board, through Resolution R9-10, adopted the Greater Washington 2050 Coalition Report And Voluntary Regional Compact (Region Forward) that set out goals in nine areas and incorporated the previously adopted regional greenhouse gas emission reduction goals; and

**WHEREAS**, COG works closely with the Transportation Planning Board (TPB), the Metropolitan Washington Air Quality Committee (MWAQC), the Climate, Energy, Environment Policy Committee, the Region Forward Coalition, and state and local environmental, transportation and planning departments to reduce air emissions in the region; and

**WHEREAS**, there is a need to identify additional viable actions that may be taken across all sectors of the Region's economy to further reduce air emissions and optimize the economic wellbeing and environmental quality of our region; and

**WHEREAS**, by resolutions adopted on December 17, 2014, TPB and MWAQC affirmed the Region's greenhouse gas reduction goals set out in the National Capital Region Climate Change Report and Region Forward; and committed staff and resources to support a multi-sector, multi-disciplinary professional working group convened by the Council of Governments; and

**WHEREAS**, COG issued RFP #15-010 for technical assistance to prepare a technical report quantifying the benefits, costs, co-benefits and implementation timeframes of viable, implementable greenhouse gas reductions strategies in the energy, transportation, land use, and the built environment sectors in the Metropolitan Washington Region, and received a briefing on the Multi-sector Working Group at the March 11, 2015 Board of Directors meeting.

**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 ICF, International in an amount not to exceed \$276,425 for the technical analysis and report development in support of the Multi-sector Working Group. Funding for this contract is available using existing COG budgeted funds from the Department of Transportation Planning, the Department of Environmental Programs, and the Department of Community Planning and Services.




## **AGENDA ITEM #7**

# **FACILITATING CREATION OF A METRO SAFETY COMMISSION (MSC)**



**DATE:** April 2, 2015

**TO:** COG Board of Directors  
Members & Alternates

**FROM:** Chuck Bean 

**RE:** COG Assistance Requested to Facilitate Formation of an Independent State Safety Oversight Entity

District of Columbia  
Bladensburg\*  
Bowie  
Charles County  
College Park  
Frederick  
Frederick County  
Gaithersburg  
Greenbelt  
Montgomery County  
Prince George's County  
Rockville  
Takoma Park  
Alexandria  
Arlington County  
Fairfax  
Fairfax County  
Falls Church  
Loudoun County  
Manassas  
Manassas Park  
Prince William County

\*Adjunct Member

**Summary**

Staff requests COG Board approval at the April 8, 2015 meeting to execute an MOU with the District of Columbia, Maryland, and Virginia to provide assistance in replacing the Tri-state Oversight Committee with an independent State Safety Oversight entity for WMATA Metrorail operations as called for in MAP-21 which requires similar state safety oversight bodies for rail transit agencies throughout the country.

COG will serve as the interim designated recipient of Federal Transit Administration (FTA) funds for this purpose. COG will not serve as the State Safety Oversight (SSO) entity; rather, COG's role will be to facilitate the creation of the SSO entity.

**Background**

COG was approached by representatives of the FTA and the Director of the District Department of Transportation, the Transportation Secretary for the State of Maryland, the Transportation Secretary of the Commonwealth of Virginia, and the Director of Virginia's Department of Rail and Public Transportation to serve as the interim designated recipient of FTA's SSO program funds. As FTA's interim designated recipient and in accordance with the statutory requirements of MAP-21, COG will work with the three states<sup>1</sup> to establish an SSO entity (a.k.a., a "Metropolitan Safety Commission" (or MSC))<sup>2</sup> to oversee the safety of WMATA Metrorail operations, promulgate regulations as needed, hire and train qualified staff, enforce safety requirements and set consistent oversight policy for WMATA Metrorail.

<sup>1</sup> For purposes of this memo, "states" shall refer to the District of Columbia, Maryland, and Virginia.

<sup>2</sup> The MOU refers to the SSO entity as a "Metropolitan Safety Commission," a term to be used in this memo.

Currently, the District of Columbia, Maryland, and Virginia jointly provide safety oversight of the Metrorail operations under the auspices of the Tri-state Oversight Committee (TOC) as per previous FTA rules of its SSO program to promote rail safety. The TOC is staffed and funded by the three states. The TOC's tasks include investigating hazardous conditions and accidents and conducting reviews of safety and security plans at least on a triennial basis. The TOC, however, has no authority to enforce its findings with fines, civil actions or other penalties. The FTA intended the SSO program to function as a "cooperative" effort with the transit agencies and as such it was not designed to operate under the traditional regulatory framework of fines and penalties. Further, the TOC is not a fully-independent legal entity, and the FTA has determined that the TOC is not eligible to receive the new SSO grants.

COG serves as the fiscal agent for the TOC providing procurement support to the states. COG will continue this role with the TOC until the MSC established. The MSC, once established, will replace the TOC.

### **MAP-21 Calls for State Safety Oversight Agencies with Enforcement Authority**

To overcome a long-standing weakness in the SSO program that allows corrective action plans to remain open for long periods of time (and for serious safety concerns to go potentially unaddressed) MAP-21 directs states to assume oversight responsibility for rail transit agencies in engineering and construction.

It requires that each state provide its SSO program and SSO agency with enforcement authority to ensure 1) the safety of each rail transit agency in its program, and 2) the implementation of each agency's Safety Plan. States also must empower their SSO programs with investigative authorities. These requirements will enable States to compel action from the transit agency to address identified deficiencies.

To undertake this enhanced responsibility each state must ensure that its SSO program is managed by an SSO agency with staffing levels and qualifications commensurate with the number, size and complexity of the rail transit agencies in the program and that SSO program staff and contractors receive training and certification through FTA.

FTA will provide grant funding to support the staffing and professional development of SSO programs under its Section 5329 (e) program.

### **Request to COG**

For our region, COG is being asked by the states to become the interim designated recipient of these funds ("interim" until the MSC is stood up) and use the funds to work with the three states to facilitate the creation of the MSC.

Pursuant to discussions between the staffs of the FTA, COG and the three state transportation policy staffs a Memorandum of Understanding (MOU) between the three states and COG has been developed and was signed on March 11, 2015 by the transportation secretaries of Maryland, Virginia and the Director of the District of Columbia Department of Transportation.

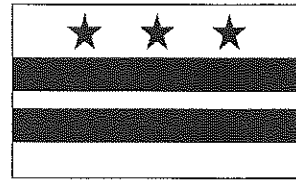
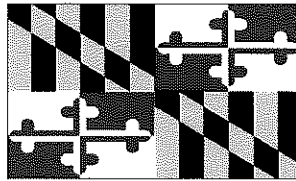
COG will not serve as the MSC; rather COG will receive FTA SSO funds under 49 U.S.C. Section 5329(e), and will support the states and work with them to stand up the MSC.

**Recommendation**

Staff recommends Board's approval to enter into the MOU with the three states in order to become a designated recipient of FTA's SSO Program funds and to support the states to facilitate the creation of the Metropolitan Safety Commission.

**Attachments**

1. Letter from the Transportation Secretaries of Maryland and Virginia and Director of the District of Columbia Department of Transportation.
2. MOU between District of Columbia, Maryland, Virginia and COG.



March 11, 2015

Mr. Chuck Bean  
Executive Director  
Metropolitan Washington Council of Governments  
777 North Capitol Street, NE  
Suite 300  
Washington, DC 20002

Dear Mr. Bean:

We, the Tri-State Oversight Committee (TOC) Executives, are writing to you to request your assistance in replacing the TOC with an independent State Safety Oversight (SSO) entity for WMATA in conformance with MAP-21 and the April 20, 2010 *White Paper on Optimizing State Safety Oversight of the WMATA Metro Rail System*.

As you know, following the 2009 Red Line accident near the Fort Totten Metro Rail station and issuance of the *White Paper*, we took steps to make the TOC as robust as possible—in the short and long-term—to strengthen safety on the WMATA Metrorail system. This included a commitment to creating a Metro Safety Commission (MSC), an independent organization that would assume the responsibilities of the TOC, using the *White Paper* as a guide.

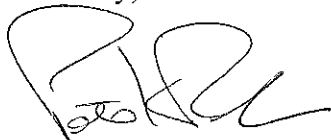
With safety as our highest priority, we want to ensure that we are administering an effective TOC as we take the steps necessary to establish the MSC. This is why the enclosed MOU with the Metropolitan Washington Council of Governments (COG) is necessary. We have worked cooperatively with your staff to draft this MOU, and believe that it addresses key legal and operational issues. The TOC is not an independent legal entity, and thus, cannot serve as the recipient of federal SSO funds available under MAP-21 or as a SSO Agency for the purposes of administering the SSO formula grant program. Under the terms set forth in the MOU, COG will fulfill the federal requirements as the interim designated recipient of federal SSO funds until the MSC is established, and the Member Jurisdictions will provide the support required for COG to carry out its designated recipient duties. We request your signature in order to fully execute the MOU and have COG serve as administrator of TOC's federal SSO funds.

In addition, we also request that COG take the lead and work with designated policy and support staff from our agencies on an analysis for establishing the MSC as an independent, legal entity that meets the MAP-21 requirements. The analysis should provide a recommended path forward towards creation of a new standalone regional entity to carry out SSOA duties under MAP-21. It

should detail the costs during and after the transition, and provide a schedule for MSC implementation. We request that you schedule a meeting with TOC policy staff that we will designate and identify to you, in order to develop the scope of work, timeline, and budget for this analysis.

We are pleased to have the opportunity to extend our partnership with COG through our efforts on this important project. We look forward to working together to promote a safe, performance-driven WMATA system that supports lifestyles, and economies, in the capital region.

Sincerely,



---

Pete K. Rahn  
Secretary of Transportation  
State of Maryland



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Leif A. Dormsjo  
Acting Director of DDOT  
District of Columbia



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Aubrey L. Layne  
Secretary of Transportation  
Commonwealth of Virginia

**MEMORANDUM OF UNDERSTANDING FOR IMPLEMENTATION OF STATE  
SAFETY OVERSIGHT PROGRAM PURSUANT TO THE MOVING AHEAD FOR  
PROGRESS IN THE 21<sup>ST</sup> CENTURY ACT**

This MEMORANDUM OF UNDERSTANDING (“MOU”) is entered into this 11<sup>th</sup> day of March, 2015, by and among the DISTRICT OF COLUMBIA, STATE OF MARYLAND, COMMONWEALTH OF VIRGINIA, and the METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS (“COG”), collectively the “Parties”.

**WHEREAS**, the Federal Transit Administration (“FTA”) adopted a rule for State Oversight of Rail Fixed Guideway Systems, codified at 49 C.F.R. pt. 659 (“Rule”) to promote transit rail safety; and

**WHEREAS**, the District of Columbia (“District”), State of Maryland (“Maryland”), and Commonwealth of Virginia (“Virginia”) collectively, “Member Jurisdictions”, created a Tri-State Oversight Committee (“TOC”), on March 7, 1997, which is responsible for assuring compliance by the Washington Metropolitan Area Transit Authority (“WMATA”) with the requirements of the Rule; and

**WHEREAS**, the TOC entered into a different Memorandum of Understanding with COG (“TOC MOU”), dated December 30, 1999, and amended on August 2, 2010 and July 1, 2011, which authorizes COG to hire consultants on behalf of the TOC to perform work related to the Rule requirements with specified funding allocated by the Member Jurisdictions; and

**WHEREAS**, Pub. L. No. 112-141, the Moving Ahead for Progress in the 21<sup>st</sup> Century Act (“MAP-21”) authorized an enhanced State Safety Oversight (“SSO”) program and federal funding, and the Member Jurisdictions have agreed to develop a Metropolitan Safety Commission (“MSC”) as an independent agency to oversee the safety of WMATA Metrorail operations, promulgate regulations, hire and train qualified staff, enforce requirements, set consistent oversight policy for WMATA, and be a direct recipient of FTA SSO funds; and

**WHEREAS**, the Member Jurisdictions anticipate that it may take up to five years to create the MSC, and the FTA has advised that, because the TOC is not an independent legal entity, it cannot serve as recipient of SSO funds or as a SSO Agency (“SSOA”) for purposes of administering the SSO formula grant program; and

**WHEREAS**, the FTA and the Member Jurisdictions desire COG to serve as the interim designated recipient of SSO grant program funds (“Designated Recipient”) for up to a five-year period until the MSC is established and for COG to fulfill FTA requirements as the Designated Recipient while the Member Jurisdictions provide the level of support required for COG to carry out its Designated Recipient duty.

**NOW, THEREFORE**, in consideration of the covenants and agreements contained herein, the Parties agree as follows:

**Section 1. Generally.**

- A. COG will serve as the interim Designated Recipient of SSO grant program funds as set forth under MAP-21 until the MSC is established, or for a period of no greater than five years from date of this MOU, whichever occurs first.
- B. The TOC shall continue to provide the executive functions required of a SSOA and perform work related to the Rule requirements until the MSC is established.
- C. The Secretaries of Transportation for Maryland and Virginia and the Director of the District of Columbia Department of Transportation (“TOC Executives”) shall continue to act as the policy board for the TOC until the MSC is established.
- D. As interim SSO grantee, COG shall distribute MAP-21 grant funds it receives to the Member Jurisdictions, as mutually agreed upon for the Member Jurisdictions to perform work required of a SSOA and perform work related to the Rule requirements until the MSC is established, in accordance with sub-grant agreements to be developed pursuant to the FTA-approved Certification Work Plan (“CWP”). The CWP identifies activities to achieve FTA certification as part of the grant application.
- E. The Member Jurisdictions agree to work with COG to develop and adopt an annual work program and budget for the application and distribution of funds to COG and the Member Jurisdictions to fulfill their respective SSO responsibilities.
- F. The Member Jurisdictions understand that, subject to appropriation and allocation, each Member Jurisdiction will provide, on an annual basis, non-federal funding to meet the federally required match for their respective FTA SSO program funds
- G. The amount of the funding to be provided to COG to cover its expenses for service provided and for the purpose of matching FTA funds specified in Sections 1.E. and 1.F., respectively, and payment process, shall be agreed to by the Parties under separate agreement and prior to the receipt of MAP-21 SSO program grant funds.
- H. Pursuant to the Anti-Deficiency Act, 31 U.S.C. § 1341 (a)(1), nothing contained in this Grant Agreement shall be construed as binding on the District of Columbia to expend in any one fiscal year any sum in excess of the appropriations made by Congress for the purposes of this MOU for that fiscal year, or as involving the District of Columbia in any contract or other obligation for the further expenditure of money in excess of such appropriations. Further, nothing in this Grant Agreement shall be construed as binding on the Commonwealth of Virginia or the State of Maryland to expend in any one fiscal year, any sum in excess of the

appropriations of the General Assembly of Virginia, the General Assembly of Maryland and allocations by the Commonwealth Transportation Board.

- I. The Parties shall allocate respective staff roles and responsibilities in the sub-grants agreements.
- J. The Member Jurisdictions shall perform their sub-grant work responsibilities and facilitate the COG SSO work as set forth in this MOU.

**Section 2. MOU for TOC Services.**

- A. The TOC MOU shall remain in effect, pursuant to which COG shall continue to have the authority to provide the procurement and contracting services set forth therein.
- B. Whether or not the FTA approves the grant application, the Member Jurisdictions shall continue to fund COG services pursuant to the TOC MOU until all current contracts are completed, subject to appropriations.
- C. The Member Jurisdictions shall continue to provide the executive functions and the TOC Executives shall serve as a policy board for the TOC.

**Section 3. Termination.**

- A. Any Party may terminate its participation in this MOU upon 60 days written notice to all other Parties. However, any Member Jurisdiction withdrawing from participation shall be responsible for its pro rata share of allowable costs incurred up until the effective date of termination and shall be responsible for fulfilling any additional sub-grantee requirements. COG shall refund any remaining balance on account of the allowable costs incurred up until the effective date of termination to the respective Member Jurisdiction.
- B. This MOU shall be terminated if the Member Jurisdictions fail to reach agreement with COG on (1) funding of COG's administrative expenses pursuant to Sections 1.E. and G. and provision of non-federal matching funds pursuant to Section 1.F.; or (2) if the Member Jurisdictions fail to designate COG as the recipient of FTA SSO Program funds; or (3) if the FTA fails to approve the MAP-21 SSO Program grant application.
- C. This MOU shall terminate upon creation of the MSC in accordance with the MSC or other transitional requirements at that time.

**Section 4. Amendments.**



Amendments and additions to this MOU, including, but not limited to, the provision of additional services by COG to assist the Member Jurisdictions in the creation of the MSC, shall be agreed to in writing by the Parties prior to implementation.

**Section 5. Effective Date.**

This MOU shall become effective upon its execution by all Parties. By their signatures, the Parties approve this MOU and warrant that they have submitted or will submit letters to the FTA designating COG as the interim recipient of FTA/SSO funds pursuant to MAP-21 and this MOU.

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IN WITNESS WHEREOF, the Parties, each by their duly authorized officers, have executed this Memorandum of Understanding as of the last date below signed.

**DISTRICT OF COLUMBIA**

BY:   
Leif A. Dormsjo  
Acting Director

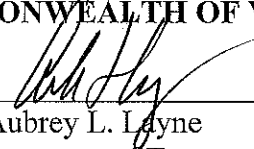
DATE: 3-11-15

**STATE OF MARYLAND**

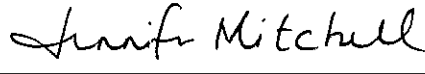
BY:   
Pete K. Rahn  
Secretary of Transportation

DATE: 3-11-15

**COMMONWEALTH OF VIRGINIA**

BY:   
Aubrey L. Layne  
Secretary of Transportation

DATE: 3-11-15

BY:   
Jennifer Mitchell, Director  
Department of Rail and Public  
Transportation

DATE: 3-11-15

**METROPOLITAN WASHINGTON COUNCIL  
OF GOVERNMENTS**

BY: \_\_\_\_\_  
Chuck Bean  
Executive Director

DATE: \_\_\_\_\_

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

**RESOLUTION AUTHORIZING EXECUTION OF MEMORANDUM OF UNDERSTANDING FOR  
IMPLEMENTATION OF STATE SAFETY OVERSIGHT PROGRAM PURSUANT TO THE MOVING AHEAD FOR  
PROGRESS IN THE 21<sup>ST</sup> CENTURY ACT**

**WHEREAS**, COG has provided procurement and contracting services for the Tri-state Oversight Committee (TOC), comprised of the member jurisdictions of the District of Columbia, State of Maryland and Commonwealth of Virginia, and TOC is responsible for assuring compliance by the Washington Metropolitan Area Transit Authority (WMATA) with the requirements of the Federal Transit Administration (FTA) Rule for State Oversight of Rail Fixed Guideway Systems to promote transit rail safety; and

**WHEREAS**, the member jurisdictions desire COG to serve as the interim designated recipient of federal State Safety Oversight funds for up to a five-year period until the MAP-21 required Metro Safety Commission (MSC) is established, because the TOC cannot act as a recipient of the FTA funds to create the MSC; and

**WHEREAS**, the member jurisdictions will provide the level of support required for COG to carry out its designated recipient duty; and

**WHEREAS**, it is appropriate for COG to assist the member jurisdictions during this interim period as set forth in the attached Memorandum of Understanding for Implementation of State Safety Oversight Program Pursuant to the Moving Ahead for Progress in the 21<sup>ST</sup> Century Act (MOU).

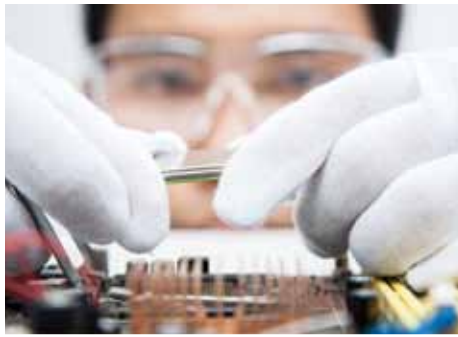
**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:**

The Board directs the Executive Director, or his designee to assist the member jurisdictions by approving the MOU, authorizes the execution of the attached Memorandum of Understanding for Implementation of State Safety Oversight Program Pursuant to the Moving Ahead for Progress in the 21<sup>ST</sup> Century Act.



## **AGENDA ITEM #8**

# **BROOKINGS ADVANCED INDUSTRIES PROJECT**



BROOKINGS

WHAT  
WHERE  
WHY



BROOKINGS  
ADVANCED  
INDUSTRIES  
PROJECT



# AMERICA'S ADVANCED INDUSTRIES

WHAT THEY ARE, WHERE THEY ARE,  
AND WHY THEY MATTER

EXECUTIVE SUMMARY



WHAT  
WHERE  
WHY

## EXECUTIVE SUMMARY

The need for economic renewal in the United States remains urgent. Years of disappointing job growth and stagnant incomes for the majority of workers have left the nation shaken and frustrated. At the same time, astonishing new technologies—ranging from advanced robotics and “3-D printing” to the “digitization of everything”—are provoking genuine excitement even as they make it hard to see where things are going.

### ABOUT THE ANALYSIS

Individual advanced industries were identified using two criteria:

- An industry's R&D spending per worker must fall in the 80th percentile of industries or higher, exceeding \$450 per worker
- The share of workers in an industry whose occupations require a high degree of STEM knowledge must also be above the national average, or 21 percent of all workers

An industry must meet both criteria to be considered advanced. Together the two thresholds identify 50 industries that invest heavily in technology innovation and employ skilled technical workers to develop, diffuse, and apply new productivity-enhancing technologies.

Hence this paper: At a critical moment, this report asserts the special importance to America's future of what the paper calls America's “advanced industries” sector.

Characterized by its deep involvement with technology research and development (R&D) and STEM (science, technology, engineering, and math) workers, the sector encompasses 50 industries ranging from manufacturing industries such as automaking and aerospace to energy industries such as oil and gas extraction to high-tech services such as computer software and computer system design, including for health applications.

These industries encompass the nation's “tech” sector at its broadest and most consequential. Their dynamism is going to be a central component of any future revitalized U.S. economy. As such, these industries encompass the country's best shot at supporting innovative, inclusive, and sustainable growth. For that reason, this report provides a wide-angle overview of the advanced industry sector that reviews its role in American prosperity, assesses key trends, and maps its metropolitan and global competitive standing before outlining high-level strategies to enhance that.

The overview finds that:

# Advanced industries represent a sizable economic anchor for the U.S. economy and have led the post-recession employment recovery

Modest in size, the sector packs a massive economic punch:

- AS AN EMPLOYER AND SOURCE OF ECONOMIC ACTIVITY THE ADVANCED INDUSTRY SECTOR PLAYS A MAJOR ROLE IN THE U.S. ECONOMY.** As of 2013, the nation's 50 advanced industries (see nearby box for selection criteria) employed 12.3 million U.S. workers. That amounts to about 9 percent of total U.S. employment. And yet, even with this modest employment base, U.S. advanced industries produce \$2.7 trillion in value added annually—17 percent of all U.S. gross domestic product (GDP). That is more than any other sector, including healthcare, finance, or real estate.

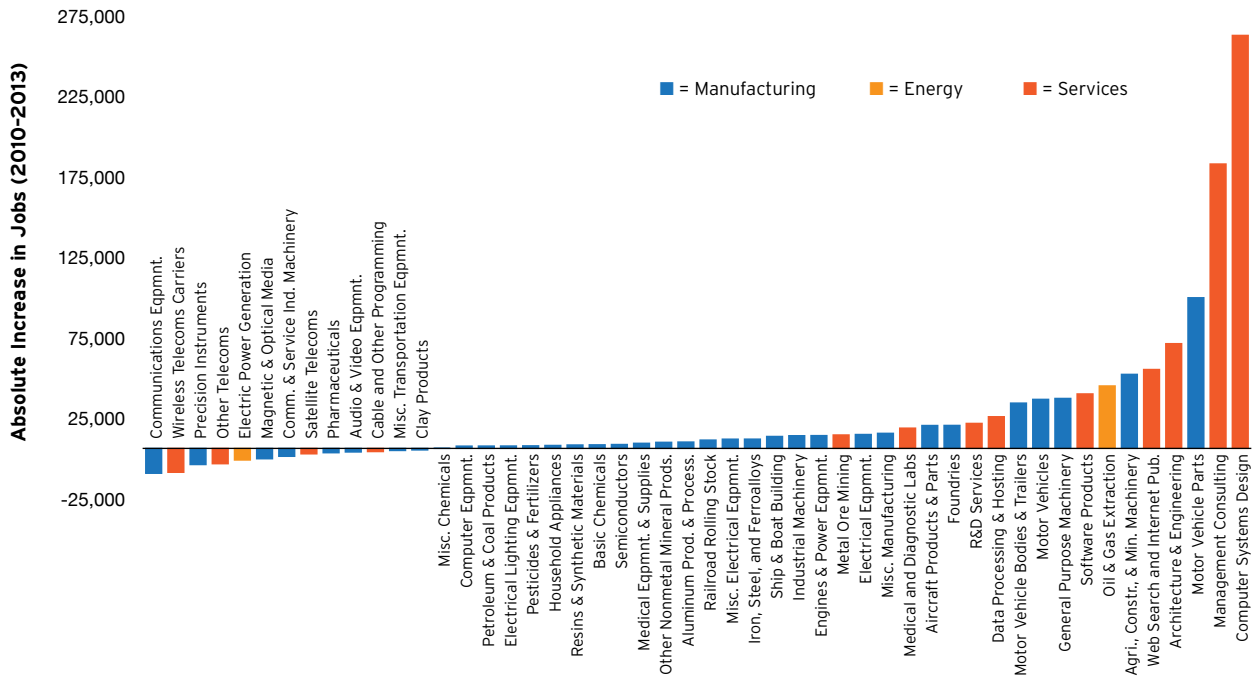
At the same time, the sector employs 80 percent of the nation's engineers; performs 90 percent of private-sector R&D; generates approximately 85 percent of all U.S. patents; and accounts for 60 percent of U.S. exports. Advanced industries also support unusually extensive supply chains and other forms of ancillary economic activity. On a per worker basis, advanced industries purchase \$236,000 in goods and services from other businesses annually, compared with \$67,000 in purchasing by other industries. This spending sustains and creates more jobs. In fact, 2.2 jobs are created domestically for every new advanced industry job—0.8 locally and 1.4 outside of the region. This means that in addition to the 12.3 million workers employed by advanced industries, another 27.1 million U.S. workers owe their jobs to economic activity supported by advanced industries. Directly and indirectly, then, the sector supports almost 39 million jobs—nearly one-fourth of all U.S. employment

The 50 Industries That Constitute the Advanced Industries Sector		
MANUFACTURING		ENERGY
Aerospace Products and Parts	Motor Vehicles	Electric Power Generation, Trans., and Distribution
Agr., Construction, and Mining Machinery	Navigation, Measurement, and Control Instruments	Metal Ore Mining
Aluminum Production and Processing	Other Chemical Products	Oil and Gas Extraction
Audio and Video Equipment	Other Electrical Equipment and Components	SERVICES
Basic Chemicals	Other General Purpose Machinery	Architecture and Engineering
Clay Products	Other Miscellaneous Manufacturing	Cable and Other Subscription Programming
Commercial and Service Industry Machinery	Other Nonmetallic Mineral Products	Computer Systems Design
Communications Equipment	Other Transportation Equipment	Data Processing and Hosting
Computers and Peripheral Equipment	Pesticides, Fertilizers, and Other Agr. Chemicals	Medical and Diagnostic Laboratories
Electric Lighting Equipment	Petroleum and Coal Products	Mgmt., Scientific, and Technical Consulting
Electrical Equipment	Pharmaceuticals and Medicine	Other Information Services
Engines, Turbines, and Power Trans. Equipment	Railroad Rolling Stock	Other Telecommunications
Foundries	Resins and Synthetic Rubbers, Fibers, and Filaments	Satellite Telecommunications
Household Appliances	Semiconductors and Other Electronic Components	Scientific Research and Development
Industrial Machinery	Ship and Boat Building	Software Publishers
Iron, Steel, and Ferroalloys	Medical Equipment and Supplies	Wireless Telecommunications Carriers
Motor Vehicle Bodies and Trailers	Reproducing Magnetic and Optical Media	
Motor Vehicle Parts		

● **IN TERMS OF THE SECTOR'S GROWTH AND CHANGE, THE TOTAL NUMBER OF JOBS IN THE SECTOR HAS REMAINED MOSTLY FLAT SINCE 1980, BUT ITS OUTPUT HAS SOARED.**

From 1980 to 2013 advanced industry output expanded at a rate of 5.4 percent annually—30 percent faster than the economy as a whole. Since the Great Recession, moreover, both employment and output have risen dramatically. The sector has added nearly one million jobs since 2010, with employment and output growth rates 1.9 and 2.3 times higher, respectively, than in the rest of the economy. Advanced services led this post-recession surge and created 65 percent of the new jobs. Computer systems design alone generated 250,000 new jobs. Certain advanced manufacturing industries—especially those involved in transportation equipment—have also added thousands of jobs after decades of losses

**The advanced industry sector's post-recession employment surge has been broad-based but led by services**



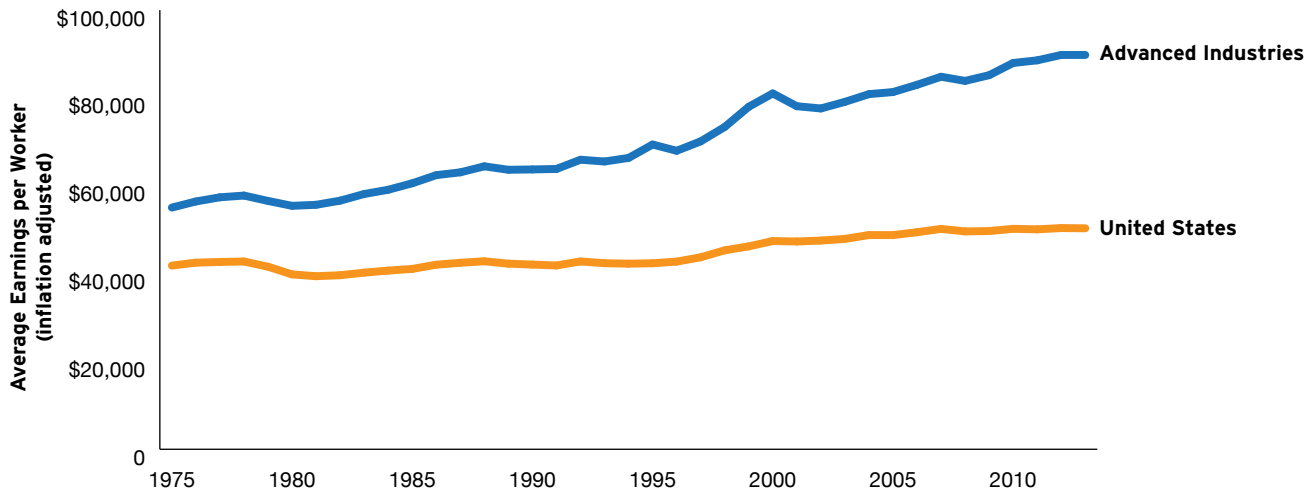
● **ADVANCED INDUSTRIES ALSO PROVIDE HIGH-QUALITY ECONOMIC OPPORTUNITIES FOR WORKERS.**

Workers in advanced industries are extraordinarily productive and generate some \$210,000 in annual value added per worker compared with \$101,000, on average, outside advanced industries. Because of this, advanced industries compensate their workers handsomely and, in contrast to the rest of the economy, wages are rising sharply. In 2013, the average advanced industries worker earned \$90,000 in total compensation, nearly twice as much as the average worker outside of the sector. Over time, absolute earnings in advanced industries grew by 63 percent from 1975 to 2013 after adjusting for inflation. This compares with 17 percent gains outside the sector. Even workers with lower levels of education can earn salaries in advanced industries that far exceed their peers in other industries. In this regard, the sector is in fact accessible: More than half of the sector's workers possess less than a bachelor's degree



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## Since 1975, average earnings in advanced industries have increased almost five times as fast as those in the overall economy



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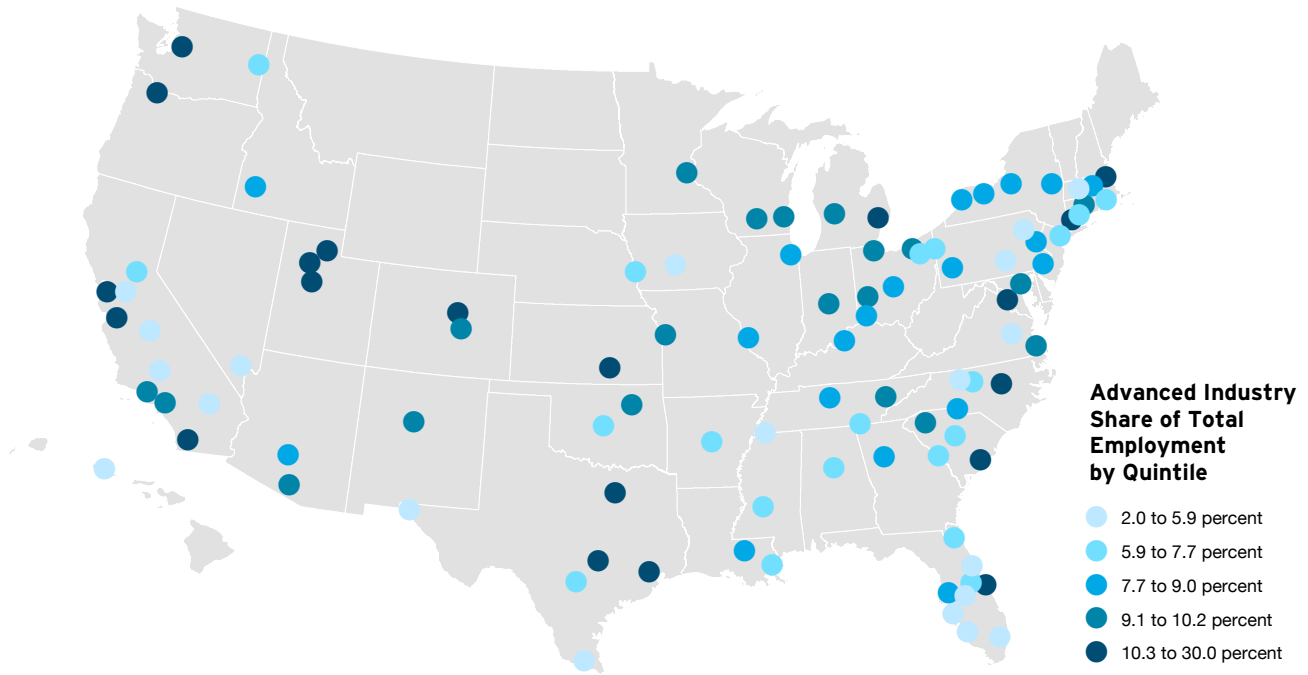
## The advanced industries sector is highly metropolitan and varies considerably in its composition and depth across regions

Advanced industries are present in nearly every U.S. region, but the sector's geography is uneven:

- **ADVANCED INDUSTRIES TEND TO CLUSTER IN LARGE METROPOLITAN AREAS.** Looking across the country, the 100 largest metro areas contain 70 percent of all U.S. advanced industries jobs. In terms of the sector's local clustering, **San Jose** is the nation's leading advanced industry hub with 30.0 percent of its workforce employed in the sector. **Seattle** follows with 16.0 percent of its local jobs in advanced industries. **Wichita** (15.5 percent); **Detroit** (14.8 percent), and **San Francisco** (14.0 percent) follow. Overall, advanced industries account for more than one in 10 jobs in nearly one-quarter of the country's major metro areas
- **THIS CLUSTERING OCCURS IN A VARIETY OF CONFIGURATIONS.** Some metropolitan areas—such as **Grand Rapids, MI**; **Portland, OR**; and **Wichita**—focus heavily on advanced manufacturing pursuits such as automotive, semiconductor, or aerospace manufacturing, respectively, while metros like **Bakersfield** and **Oklahoma City** exhibit strong energy specializations. By contrast, services such as computer systems design, software, and research and development predominate in metropolitan areas like **Boston**, **San Francisco**, and **Washington**. For their part, **San Jose**, **Detroit**, and **Seattle** exhibit depth and balance across multiple advanced industry categories

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## Advanced industries' share of total employment varies significantly across major metropolitan areas



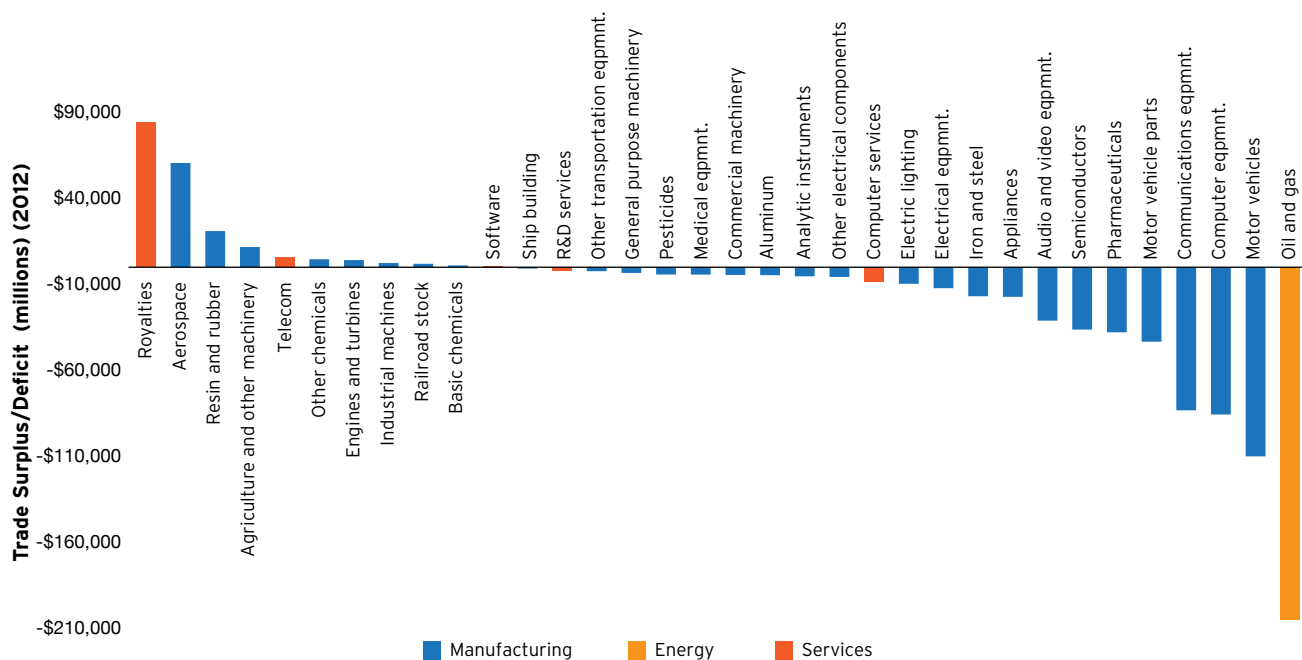
- 
- **OVERALL, THE NUMBER OF EXTREMELY DENSE CONCENTRATIONS OF ADVANCED INDUSTRY ACTIVITY HAS DECLINED.** In 1980, 59 of the country's 100 largest metropolitan areas had at least 10 percent of their workforce in advanced industries. By 2013, only 23 major metro areas contained such sizable concentrations

## The United States is losing ground to other countries on advanced industry competitiveness

The United States has the most productive advanced industries in the world, behind only energy-intensive Norway. However, this competitiveness appears to be eroding:

- **THE NATION'S DECLINING CONCENTRATION IN ADVANCED INDUSTRIES AND ITS NEGATIVE TRADE BALANCE IN THE SECTOR DO NOT BODE WELL.** Since 2000, the sector's employment and output as a share of the total U.S. economy has shrunk, and the nation's standing on these measures now lags world leaders. Equally worrisome is the balance of trade in the sector. Although advanced industries export \$1.1 trillion worth of goods and services each year and account for roughly 60 percent of total U.S. exports, the United States ran a \$632 billion trade deficit in the sector in 2012, in line with similar yearly balances since 1999. To be sure, a handful of individual advanced industries such as royalties and other intellectual property and aerospace manufacturing enjoy trade surpluses that exceeded \$60 and \$80 billion in 2012. However, numerous areas of historical strength such as communications equipment, computer equipment, motor vehicles, and pharmaceuticals now run sizeable deficits, as do high-value R&D services and computer and information services

## With few exceptions, the United States runs a significant trade deficit in advanced industries



- NOTWITHSTANDING THE NATION'S STRONG INNOVATION ENTERPRISE, THE UNITED STATES' ADVANTAGE ON THIS FRONT IS SLIPPING.** For certain the advanced industry sector remains the key site of U.S. technology gains. However, the United States is losing ground relative to other countries on measures of innovation performance and capacity. For example, the U.S. share of global R&D and patenting is falling much faster than its share of global GDP and population, meaning that U.S. slippage cannot simply be attributed to demography or macroeconomic convergence. Likewise, America's research dominance looks less impressive after adjusting for the size of its working age population. Turning to the nation's critical regional innovation ecosystems, surprisingly few U.S. metropolitan areas rank among the world's most innovative—as measured by patent cooperation treaty applications per capita. Among the nation's most patent-intensive regions, just two—**San Diego** and the **San Jose-San Francisco** combined area—rank in the global top 20 and just two more (**Boston** and **Rochester**) score in the top 50
- JOBS IN ADVANCED INDUSTRIES ARE AVAILABLE AT ALL LEVELS OF EDUCATION, BUT ONLY A NARROW EDUCATIONAL AND TRAINING PIPELINE CHANNELS POTENTIAL WORKERS INTO THE SECTOR.** At the same time, the sector faces a labor supply challenge. By definition, an outsized share of advanced industries' workers can be found in STEM occupations. So the sector is a critical storehouse of the nation's STEM knowledge base. However, globalization and technological change are increasing the education requirements of the sector, sharpening its skills challenge. Amid these trends, many advanced industry employers report difficulties finding qualified workers, which places a drag on their competitiveness. For example, a posting for a STEM-related occupation in an advanced industry remains online for an average of 43 days. This compares with 32 days for non-STEM ads. Contributing to those hiring delays is the fact that the U.S. education system graduates too few college students in STEM fields and does too little to adequately prepare children in mathematical and scientific concepts. U.S. youths and adults alike perform much more poorly on international exams of math and science competencies than

many of their peers in developed countries. Moreover, even students in the top 10 percent of U.S. performers score well below their highest-scoring peers in other developed countries

Complicating the sector's human capital challenges are sharp regional variations in the availability of skills. For example, in 15 of the largest 100 U.S. metropolitan areas the number of STEM graduates as a share of the young adult population (aged 20 to 34) exceeds Finland's, which holds the highest share internationally. These skills poles include some of the nation's most successful advanced industry hubs, including **Boston, San Jose, Raleigh, and Provo**. At the other end of the spectrum, however, 33 large U.S. metropolitan areas' STEM graduation rates trail those of Spain, which ranks 24th internationally. These metropolitan areas include prominent such places like **Phoenix, Las Vegas, Miami, Dallas, Detroit, Houston, and Kansas City**. This variation in the availability of human capital places a serious drag on the ability of many metropolitan areas to support advanced industries locally and nationally

## The nation's private and public sectors must engage to defend and expand America's advanced industries

Looking forward, this description and assessment of the advanced industry sector points to significant opportunity—but also challenges.

On the positive side, the combination of intensive technology investment and highly skilled STEM workers in the advanced industry sector represents a potent source of U.S. prosperity—including for workers without a bachelor's degree. Advanced industries power the national economy and their success is a prerequisite for building an opportunity economy in the United States. Moreover, the report makes clear that a distinct advanced industry geography has emerged within which varied combinations of industries cluster in various regions to avail themselves of key innovation resources, skilled workers, and supplier networks. In this respect, America's advanced industries are not national. They are local, and in regions like Austin, Boston, San Diego, Seattle, and Silicon Valley they are world-class hubs of prosperity.

Yet too many U.S. advanced industries and local advanced industries clusters are ceding global leadership.

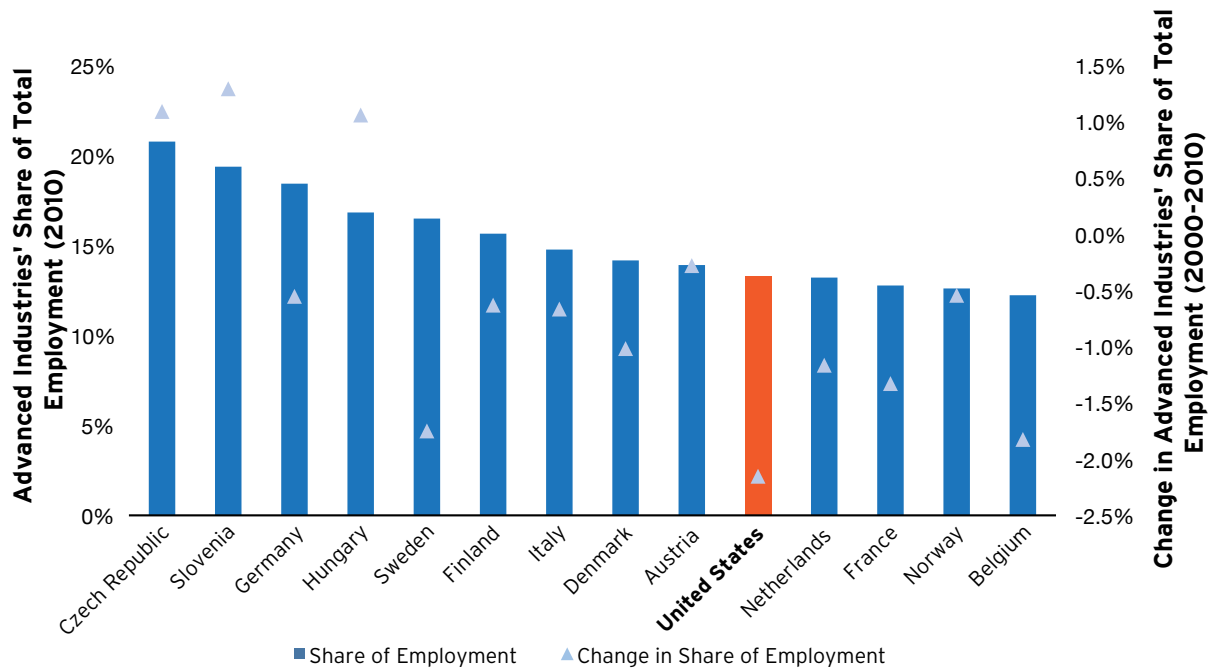
The deterioration of the nation's balance of trade in advanced technology products over the last decade raises especially sobering questions, not just about trade policy, but about the long-term vitality of the sector. Likewise, too few regional advanced industry ecosystems now retain the technology inputs, labor pools, and supplier density to generate the synergies that drive global competitiveness. Making matters worse is the gridlock in Washington that continues to preclude national action to strengthen advanced industries through sensible corporate tax reform or strategic trade liberalization and enforcement.

All of which means private and public sector leaders—particularly those working at the state and regional level—must engage. Already numerous state and regional partnerships are working to expand America's advanced industries, often by attending to the fundamental inputs needed to ensure these industries' long-term growth.

Yet more can and should be done. Among other initiatives, the nation's private- and public-sectors should together:

- **COMMIT TO INNOVATION.** Innovation remains the only lasting source of advantage for firms and places in the advanced industry sector, yet its speed and complexity are ratcheting up and demanding new strategies. Accordingly, both the private and public sectors need to radically rethink their technology development strategies. Lead actors in firms and government each need to ramp up the scale of their innovation efforts and reconsider the formats through which they conduct them. More R&D conducted within new, more open or networked innovation models will be

## U.S. employment in advanced industries is low by international standards and falling rapidly



necessary in the coming years

- RECHARGE THE SKILLS PIPELINE.** More qualified workers with different and more technical skillsets are also critical to the future competitiveness of the sector. However, the skills prerequisites of modern advanced industries have been changing faster than the country's ability to train the needed workers. Now that the economy is heating up and firms are beginning to expand again, both private- and public-sector actors—often in partnership—need to bear down on improving the availability of skilled workers by developing smart, industry led, sector-specific, regional skills initiatives. Overall, firms need to get much more involved in developing the skills pipeline and the public sector must become much more responsive to their needs
- EMBRACE THE ECOSYSTEM.** Finally, firms, governments, and other relevant actors must work to strengthen the nation's local advanced industry ecosystems—the regional industrial communities within which firms operate. Innovation and skills development do not happen just anywhere. They happen in places, most notably within metropolitan regions, where firms tend to cluster in close geographic proximity, whether to profit from local knowledge flows, access skilled workers, or tap regional supplier networks. Unfortunately, though, in too many places America's advanced industry clusters are thin or eroded after decades of offshoring and disinvestment. It is critical, therefore, that private- and public-sector leaders work together to renew the vitality of the nation's regional advanced industries ecosystems—the most durable foundations of U.S. competitiveness in the sector. Firms should seek to quantify the value they derive from vibrant local ecosystems even as localities and states work to enhance the local environment for advanced industry activity through investments in anchor institutions and support for cluster infrastructure

America's advanced industries are a critical anchor of national prosperity. Business leaders, government, and the civic sector need to work together in new ways to augment their vitality. ■

## About the Authors

Mark Muro is a senior fellow and policy director at the Brookings Metropolitan Policy Program. Jonathan Rothwell is a fellow, Scott Andes and Kenan Fikri are senior policy analysts, and Siddharth Kulkarni is a senior research assistant at the program.

## Advanced Industries Series

This paper is part of the Brookings Metropolitan Policy Program's Advanced Industries Series, which is aimed at describing and advancing the country's R&D- and knowledge-intensive advanced industries. The series provides groundbreaking research focused on assessing the large role these industries play in delivering regional and national prosperity and providing recommendations to enhance U.S. competitiveness in the sector. The sector's competitiveness and growth are prerequisites for any future broadly shared prosperity.

## In the Series

- *Launch! Taking Colorado's Space Economy to the Next Level*
- *Drive! Moving Tennessee's Automotive Sector Up the Value Chain*
- *Powering Advanced Industries, State by State*
- *Going Local: Connecting the National Labs to their Regions for Innovation and Growth*

## About the Metropolitan Policy Program at the Brookings Institution

Created in 1996, the Brookings Institution's Metropolitan Policy Program provides decision makers with cutting-edge research and policy ideas for improving the health and prosperity of metropolitan areas including their component cities, suburbs, and rural areas. To learn more visit:

[www.brookings.edu/metro](http://www.brookings.edu/metro)

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## **AGENDA ITEM #9**

# **PRESENTATION ON POTENTIAL GROWTH INDUSTRIES IN THE REGION**



GREATER WASHINGTON  
Board of Trade

GREATER WASHINGTON'S PREMIER REGION-WIDE BUSINESS ORGANIZATION



GREATER WASHINGTON  
Board of Trade

GREATER WASHINGTON'S PREMIER REGION-WIDE BUSINESS ORG



## Board of Trade at a Glance

The Greater Washington Board of Trade is the largest regional network of business and nonprofit leaders and the only regional organization representing all industry sectors. Founded in 1889, the Board of Trade enjoys a long history of creating and maintaining a business climate that is healthy, inviting and profitable for the regional business community and the community at large.

The Board of Trade's first priority is growing its members' businesses. Content-rich programs and a variety of networking events connect members with other business, nonprofit and government leaders in the region.

As the regional business organization, the Board of Trade addresses business concerns that stretch across geographic boundaries. Pro-business and bipartisan, the Board of Trade convenes business, nonprofit and government leaders to collaborate on important issues throughout the District of Columbia, Suburban Maryland and Northern Virginia. In 2010, the Board of Trade is:

- ▶ Improving regional mobility
- ▶ Advancing emergency preparedness and business continuity efforts
- ▶ Promoting sustainability as a significant opportunity for regional businesses and the environment
- ▶ Helping business attract and retain a talented workforce

In addition, the Board of Trade markets Greater Washington's economic opportunities through its affiliate, the Greater Washington Initiative. The Initiative promotes Greater Washington as a vibrant place to live and work. It researches the area's economic strengths to attract new business investments and provides the resources needed to evaluate, plan and implement an expansion or move to the region.

The work of the Greater Washington Board of Trade has significantly improved the region. Through its work, the Board of Trade helped promote the construction of Union Station in 1902, create the Washington Metropolitan Area Transit Authority to build and operate Metrorail and Metrobus in 1966 and reopen National Airport after its extended closure following the September 11 attacks in 2001.

A 501(c)(6) association, the Greater Washington Board of Trade is supported by its members, programs and events. The membership is comprised of members from Fortune 100 companies to small businesses and nonprofit organizations.

Greater Washington Board of Trade, 800 Connecticut Ave, NW, Suite 10001, Washington, DC 20006;  
202.857.5900; [info@bot.org](mailto:info@bot.org)

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## **AGENDA ITEM #10**

# **PRESENTATION ON THE FEDERAL LABORATORY CONSORTIUM FOR TECHNOLOGY TRANSFER**

advancing federal research and technology

**Technology Transfer:  
“Identifying and accessing U.S. federal lab  
technologies and capabilities:  
supporting small businesses”**

Paul Zielinski  
FLC Chair

Metropolitan Washington Council of  
Governments

Washington DC  
April 8, 2015

[www.federallabs.org](http://www.federallabs.org) **FLC**

advancing federal research and technology

**Overview**

- Overview of U.S. Federal Technology Transfer
- Role of the Federal Lab Consortium for Tech Transfer (FLC)
- Identifying/Accessing Lab Technologies/Capabilities
- Federal Technology Transfer Metrics and Impacts

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## Federal Technology Transfer Defined

*Technology transfer is the process by which **knowledge, facilities, or capabilities** developed under federal research and development (R&D) funding are utilized to fulfill public and private needs -- it can occur:*

- **Between the government and non-government entities**
- Between government entities (labs/agencies)

.... and designed to:

- enhance **agency mission** capabilities
- increase **return on R&D** investment
- support **economic growth** and **development**
- enhance **U.S. competitiveness**

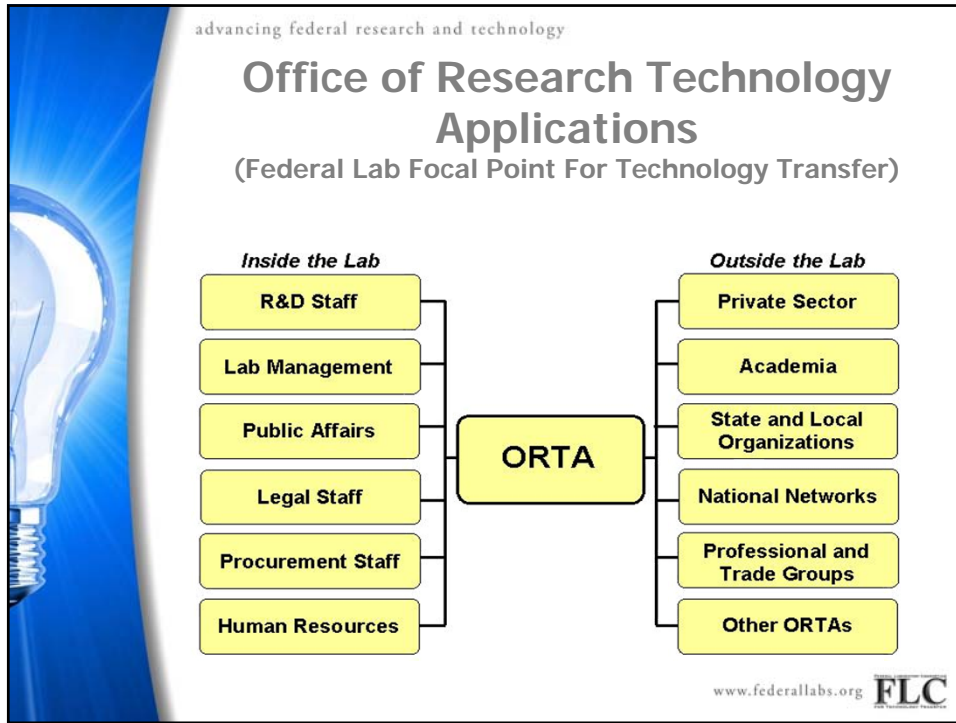
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## Current Tech Transfer Environment (Results of Legislative History)

- Technology transfer is a mission of the federal government
- ORTAs (Lab T<sup>2</sup> Offices) established
- Small businesses, universities and not-for-profits keep title to inventions made with federal funds
- Federal agencies receive greater, more flexible, patent and licensing authority
- Lab scientists can participate in royalty income
- Mechanisms and incentives to implement technology transfer, including CRADAs, etc.

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- advancing federal research and technology
- ## Common Tech Transfer Mechanisms
- **Patent License Agreement**
  - **Cooperative Research and Development Agreement (CRADA)**
    - Work for Others – Work for Private Parties
    - Collegial exchange
    - Educational Partnership Agreement
    - Use of Facilities Agreement
    - Cooperative Agreement
    - Commercial Test Agreement
    - Material Transfer Agreement
    - Partnership Intermediary Agreement
    - Commercial Service Agreement
    - Personnel Exchange
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## What is the FLC

**The FLC:**

- Formally created by Congress under the Federal Technology Transfer Act (Public Law 99-502)
- Composed of tech transfer professionals from the federal laboratories, their respective agencies, and affiliated organizations

**Membership reflects:**

- 18 federal departments and agencies
- Hundreds of federal government R&D laboratories and centers
- \$ billions annual budget
- > 100,000 scientists & engineers

**Primary Activities:**

- Education and Training
- Sharing Best Practices/Networking
- Professional Recognition
- Communications and Coordination

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## Resources on FLC Web Site

[www.federallabs.org](http://www.federallabs.org)



The screenshot shows the FLC website interface with a navigation menu on the left containing links like 'Home', 'About', 'Education & Training', 'Technology Transfer', 'Business Resources', and 'News'. The main content area features a 'Technology For Today' section and a 'What is the FLC?' section. A sidebar on the right lists 'All Categories' and 'Upcoming Events'.

- **Points of Contact** (Agency TTOs, >300 Lab TTOs)
- **Locate Technologies and Capabilities** (Tech Locator Service, Available Technologies Search, FLC Business Resource (coming soon))
- **Training and Education** (Courses, Materials, etc.)
- **Reference Materials** (Green Book, Desk Reference, Mechanisms Database, etc.)
- **News & General Information**

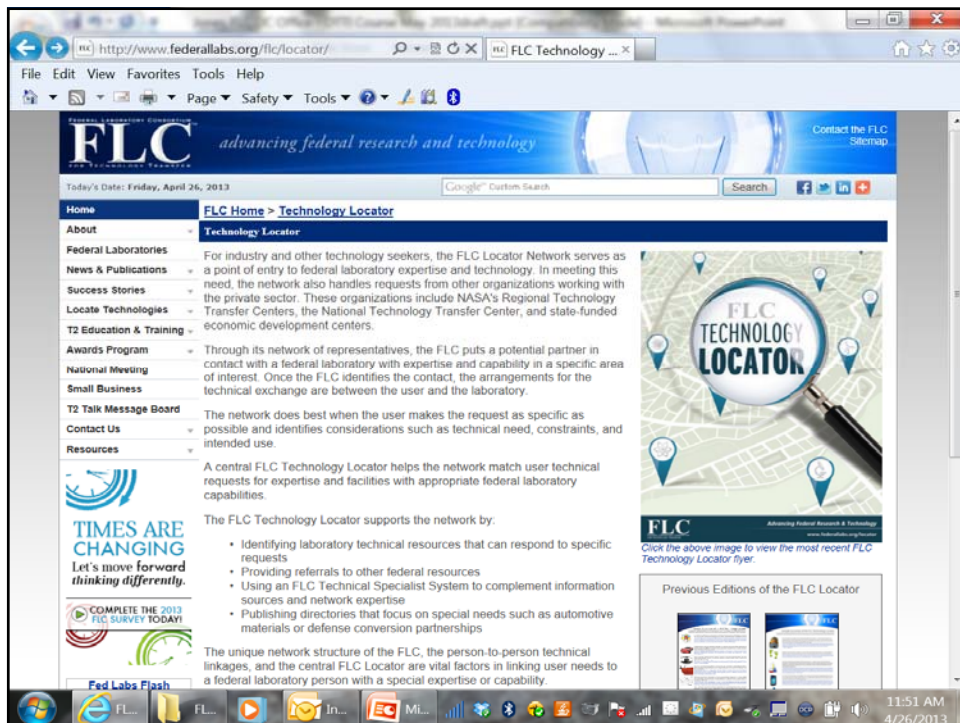
www.federallabs.org **FLC**

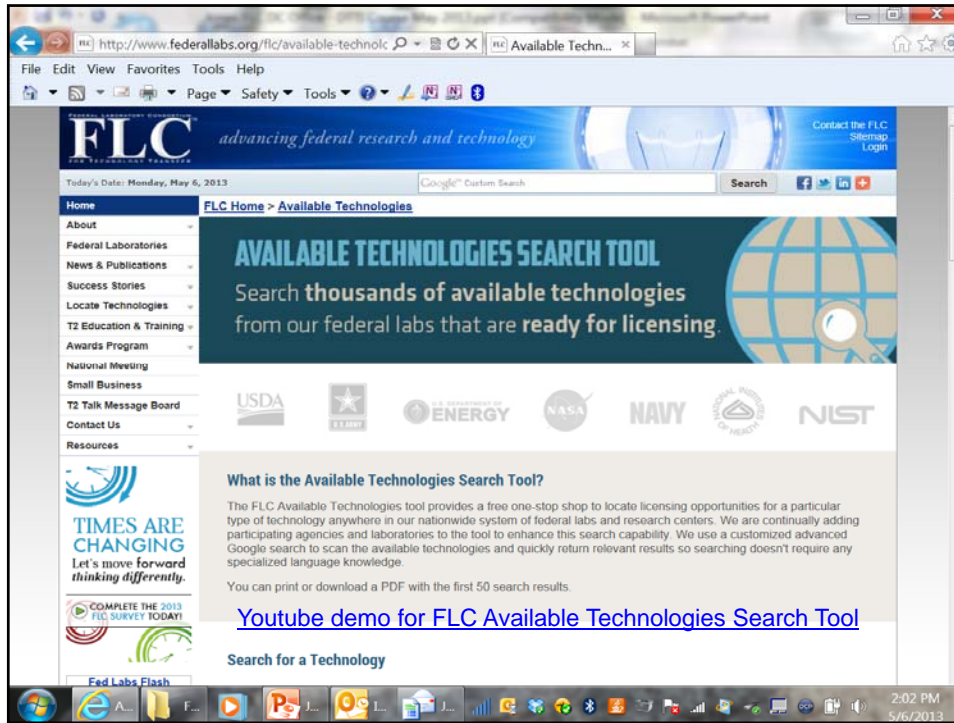
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## Accessing Federal Technology/Capabilities (Entry Points)

- **FLC** (e.g., [Technology Locator Service](#)  
[Available Technologies Search Tool](#)  
[FLC Business Resource Tool](#)
- **Agency** (e.g., T<sup>2</sup> Office; Partnership Intermediaries)
  - **Laboratory/Institute** (Lab T<sup>2</sup> Office -- ORTA)
  - **Individual Scientists & Engineers**

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**FLC** *advancing federal research and technology*

Today's Date: Thursday, July 24, 2014

FLC Home > T2 Education & Training

### Technology Transfer Education & Training

The FLC is committed to providing technology transfer professionals, researchers, and members of industry with the tools and services needed to further professional development. Below are several FLC resources to meet this goal.

#### E-Learning

##### Introduction to Technology Transfer

**FLC** | Technology Transfer | Overview | Home | Get

**Introduction**

- Technology transfer is a multi-step learning process.
- CRADAs, a patent or other security agreement, and a license are the most common types of technology transfer.
- Patent applications for security best practices.
- Security and intellectual property are closely related.
- Intellectual property rights.

© 2013 Sweetfish, Inc. with respect to design/layout. All content is provided under copyright by the FLC and its operating contractor. This course is compatible with the following browsers: Chrome, Safari and Internet Explorer.

You can download an accessible version of the course [here](#).

If you are brand-new to the field, this 30-minute interactive course is your starting point to navigating the basic concepts of federal technology transfer. It will explain:

- What federal T2 is
- its purpose
- How T2 works
- The FLC and its role in T2

This free course is offered on demand for your convenience and serves as a prerequisite for the T2 Fundamentals course offered at our annual training event.

Please be prepared to spend about 30 minutes on the course.

#### Tech Transfer Legislative Timeline

Legislative History

#### Publications

**White Paper: Federal Laboratory Designations**

This white paper describes the basic differences and similarities among federal laboratory designations, namely government-owned [...]

**White Paper: Basic Understanding of Intellectual Property**

This white paper provides general information for a better understanding of the various aspects of intellectual [...]

**Federal Technology Transfer Legislation Policy**

Federal Technology Transfer Legislation and Policy, more commonly known as "The Green Book," provides [...]

**FLC Technology Transfer Desk Reference**

The FLC Technology Transfer Desk Reference provides a comprehensive introduction to technology transfer and the background, [...]

**FLC Technology Transfer Training DVD Set**

The FLC has created this 11-DVD, 3-CD set containing 14 video courses covering a variety of technology transfer topics [...]

**FLC NATIONAL MEETING**  
Accelerating Innovation for Economic Impact  
**MEETING PROCEEDINGS**  
[Click Here](#)

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## Federal T2 Summary Report

(FY 2012, Department of Commerce, Issued Dec 2014)

[Federal Lab Technology Transfer: FY 2012 Summary Report to the President and the Congress](#)

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
CRADAs, total active in FY	6,954	7,756	8,392	7,800	8,812
New inventions disclosed in FY	4,572	4,452	4,781	5,292	5,149
Patent applications filed in FY	1,952	1,957	1,841	2,159	2,346
Patents issued in FY	1,253	1,319	1,151	1,577	1,808
Licenses, total active in FY	12,732	12,596	15,163	13,935	13,405
New, executed in FY	1,703	1,936	2,142	2,207	1,438
Income from licenses, (\$\$M)	\$171.3	\$155.1	\$144.2	\$167.6	\$166.8

**\*\*Also includes multiple examples of downstream outcomes for all agencies (reporting since 2001)**

www.federal labs.org **FLC**



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## Impacts/Benefits of Federal T2

(National Institutes of Health Stats; 2012)

- Intramural research program ~ 10% of overall NIH budget
- ~ 600 products (from drugs to research tools) developed to date from intramural NIH licensees
- ~ \$6B in product sales each year by intramural NIH licensees (equivalent to a mid-level Fortune 500 company)
- > \$1B in royalties to date
- Using the study data from the New England Journal of Medicine, 153 drugs were brought to the market in the last 40 years under licenses from US Public Sector Research Institutions (PSRI) including the NIH

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## Impacts/Benefits of Federal T2

(Department of Defense, Licensing, 2013)

**[National Economic Impacts from DOD License Agreements with US Industry: 2000-2011](#)**

Economic impact of 602 agreements between DOD labs and US industry; 2000-2011

**Select Findings:**

- 163,067 jobs created or retained (27,128 direct)
- \$ 65,000 per year average wage for jobs created or retained
- \$ 13.4 billion in sales generated
- \$ 2.3 billion in federal tax revenues
- \$ 1.3 billion in state/local tax revenues


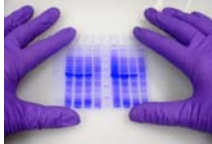


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## Impacts/Benefits of Federal T2

(Single Lab – Department of Energy Ames; 2012)

- **4.2 billion** cell phone and **2.6 billion** PC owners use Ames' lead-free solder technology every day.
- Small gasoline engines (lawnmowers, power tools, etc.) are cleaner and more efficient because of Terfenol-D (Navy Technology); the production process was developed by AMES.
- All **7 billion** people on Earth are impacted by Ames' Multiplexed Capillary Electrophoresis, which was used in the Human Genome Project and is a key technology for DNA sequencing.



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## 2015 FLC NATIONAL MEETING DENVER, COLORADO AREA

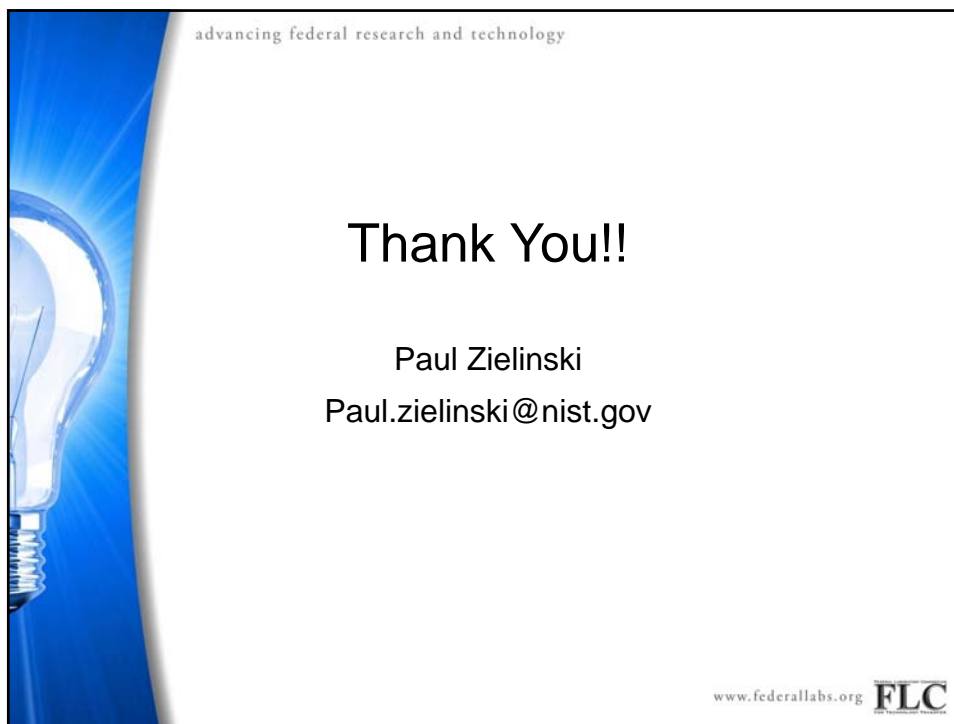
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**TRAINING • NETWORKING OPPORTUNITIES  
INDUSTRY PERSPECTIVES • TECH FAIR  
RECOGNITION CEREMONY & BANQUET  
FEDERAL TECHNOLOGY TRANSFER OUTLOOK**

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### April 28 – 30, 2015





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

**RESOLUTION DIRECTING COG TO EXPLORE OPPORTUNITIES FOR POTENTIAL COLLABORATION WITH THE  
FEDERAL LABORATORY CONSORTIUM FOR TECHNOLOGY TRANSFER**

**WHEREAS**, the Metropolitan Washington Council of Governments (COG) is comprised of the 22 jurisdictions of the National Capital Region's local governments and their governing officials, plus area members of the Maryland and Virginia legislatures and the U.S. Senate and House of Representatives, and COG provides a focus for action on issues of regional concern; and

**WHEREAS**, the COG Board has received a briefing from the Federal Laboratory Consortium for Technology Transfer (FLC) and believes further collaboration between the Council of Governments and the FLC will be mutually beneficial; and

**WHEREAS**, the FLC is the nationwide network of federal laboratories that provides the forum to develop strategies and opportunities for linking laboratory mission technologies and expertise with the marketplace; and

**WHEREAS**, the metropolitan Washington area has a large concentration of federal labs and is a leading region throughout the country; and

**WHEREAS**, the COG Board believes further collaboration will contribute to strengthening the regional economic competitiveness of the region.

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

The Board directs the Executive Director, or his designee to explore opportunities for potential collaboration between COG and the Federal Laboratory Consortium for Technology Transfer, and to provide an update to the Board by September 2015 in an effort to strengthen the regional economic competitiveness of the metropolitan Washington region.



## **AGENDA ITEM #11**

## **OTHER BUSINESS**

(No attachment)



## **AGENDA ITEM #12**

**ADJOURN – THE NEXT MEETING  
IS WEDNESDAY MAY 13, 2015**