



**TRIANGLE J COUNCIL OF GOVERNMENTS**

**Work Plan  
FY 2014 — FY 2016**

**Board Initiatives  
and  
Directory of Current Programs**

**Approved by the Board of Delegates**

**October 23, 2013**



## WORK PLAN FY 2014 – FY 2016

### Index

**BOARD INITIATIVES** **Pages 1-2**

**HUMAN SERVICES / AGING** **Pages 3-6**

Aging Planning and Administration - Area Agency on Aging  
Advisory Council on Aging  
Community Resource Connections  
Elder Abuse Prevention  
Family Caregiver Support  
Long Term Care Ombudsman Program  
Music in My Mind / Songs for Seniors  
Senior Tarheel Legislature Delegates  
Sowing the Seeds of Culture Change  
Veterans Directed Services

**MEMBER SERVICES / GENERAL GOVERNMENT** **Pages 7-9**

Member Services Activities  
Capital Trees Program  
Drug & Alcohol Testing  
Joint Mayors and County Chairs Group  
The Forum  
North Carolina School of Science & Mathematics – Independent Studies  
Regional Appearance Committee  
Regional Managers Group  
Regional Emergency Response and Security Planning Committee

**REGIONAL PLANNING** **Pages 10-19**

*Development & Infrastructure* *Pages 10-12*  
CORE (Center of the Region Enterprise)  
Hillsborough Roadway Standards  
Regional Data Center & GIS



## **REGIONAL PLANNING (Cont'd.)**

### ***Development & Infrastructure (Cont'd.)***

Regional Land Use, Transportation and Air Quality Coordination  
*LUCID (Land Use - Community Infrastructure - Development)*  
Smart Growth Committee / Education & Technical Assistance  
Triangle Area Rural Planning Organization (TARPO)  
Triangle Development & Infrastructure Partnership Strategic Initiatives  
*North Carolina Next Generation Networks (NCNGN)*  
*Cable Broadband Consortium*

### ***Economic Development***

*Pages 12-13*

Foreign Trade Zone #93  
NC Tomorrow / Comprehensive Economic Development Strategy (CEDs)

### ***Energy & Environment***

*Pages 13-15*

Energy & Environment Planning  
Alternative Fuels Implementation Team  
Carolina Blue Skies & Green Jobs Initiative  
Clean Fuels Advanced Technologies  
Council for a Sustainable Triangle (CFAST)  
Transportation Demand Management Program  
Triangle Clean Cities Coalition  
Waste Reduction Partners

### ***Water Resources***

*Pages 16-19*

Water Resources Program  
Ellerbe Creek Green Infrastructure Planning  
Great Coharie Creek Local Watershed Plan  
Jordan Lake Allocation – Model Development  
Jordan Lake Partnership – Regional Water Supply Plan  
NC Clean Water Education Partnership  
Regional Water Efficiency and Conservation Committee  
Triangle Area Water Supply Monitoring Project  
Upper Cape Fear River Basin Association  
Upper Neuse Clean Water Initiative  
Water Resources Advisory Committee  
Water & Sewer Rates Report



## TRIANGLE J COUNCIL OF GOVERNMENTS

### WORK PLAN FY 2014 – FY 2016

#### BOARD INITIATIVES

In September 2010, the Board of Delegates brainstormed to produce a list of possible new initiatives that could be undertaken by TJCOG as part of the Work Plan. Since that time, top priorities have been identified. Certain initiatives have been completed or have been incorporated into the ongoing work of TJCOG; these no longer appear separately in the Work Plan. The remaining initiatives appear below, listed by program area. Status reports showing activities relating to these are issued quarterly.

#### Underway or Prioritized for FY 2014-16

##### Development & Infrastructure

- **Mixed Use/Mixed Income Model** – Create a regional model for mixed use, mixed income development
- **Rural/Urban Integration** – Address the integration of agricultural/rural issues into a region that is becoming increasingly urban
- **Southeast High Speed Rail Corridor** – Determine how the unintended consequences of the Southeast High Speed Rail Plan will be addressed and mitigated for local communities/local governments
- **Standardized Development Regulations** – Identify aspects of development regulation that would provide benefits if standardized across multiple jurisdictions

##### Human Services/Aging and Development & Infrastructure

- **Senior Livability** – Address the unique needs and contributions of our rapidly growing population of older residents in all regional efforts, to enhance the "livability" of our communities through policies, programs and practices

##### Member Services

- **Delegate Reports** – Develop a system and materials for delegates to report to their respective council and/or board members regularly about COG activities
- **Grantsmanship Assistance** – Develop a plan to provide members assistance with grant development and grant writing
- **Legislative Communications Plan** – Establish a program of regular communication with state and federal legislators
- **Shared Services** – Explore cooperative arrangements for purchasing and services



## **BOARD INITIATIVES (Cont'd.)**

### **For Future Consideration and Prioritization**

- Hold an annual event to recognize TJCOG accomplishments and regional leadership
- Facilitate regular meetings for leaders of regional non-profit organizations
- Collect and present “Best Practices” in regional collaboration and other topics
- Meet regularly with Key Business Leaders to inform of current activities, engage as advisors
- Facilitate CIOs/Lead Technology Staff Group
- Organize more committees by topic with members from local governments, in addition to Smart Growth and Water Resources committees
- Hold information sessions for elected officials, explaining COG activities
- Create a plan to provide greater liaison and support for smaller communities
- Foster greater appreciation of demographic variety in the region
- Create a forum for local governments to meet with leaders and stakeholders in the Hispanic community and other minority populations about issues relevant to them
- Compile and distribute council and board agendas from member governments
- Develop a TJCOG Preferred Providers list
- Create a regional news digest, “News & Notes,” as an automated, electronic service, compiling news from member communities
- Update TJCOG mission statement



## **Current Programs & Initiatives**

*Arranged Alphabetically by Program Area*

### **HUMAN SERVICES / AGING**

#### **Aging Planning and Administration - Area Agency on Aging**

As the umbrella for TJCOG's programs regarding the delivery of service to older adults, the Triangle J Area Agency on Aging:

- Works to promote the highest level of well being of older adults in the seven-county region by partnering with organizations to assess needs and provide a comprehensive system of opportunities, services and protective supports.
- Works with community-based stakeholders to plan for county-based aging programs to address the needs of the growing population of older adults.
- Provides technical assistance to service providers in their provision of coordinated and accessible services for older adults.
- Is responsible for training, education and outreach about aging issues
- Develops grant agreements with service providers for the utilization of federal and state funds; monitors the services that are provided with those dollars.
- Advocates on behalf of older adults and supports the work of the Regional Advisory Council on Aging and the Senior Tar Heel Legislature.

Funding Sources: Federal / State / Local Aging Share

Joan Pelletier, Area Agency on Aging Director, [jpelletier@tjcog.org](mailto:jpelletier@tjcog.org), 919.558.9398  
[www.tjaaa.org](http://www.tjaaa.org)

#### **Advisory Council on Aging**

The Advisory Council on Aging makes recommendations to the TJCOG Board of Delegates and the Triangle J Area Agency on Aging relating to the development and administration of the Area Plan on Aging, public meetings on aging matters and community policies, and programs and actions affecting older persons in the region.

Funding Sources: Federal / State / Local Aging Share

Joan Pelletier, Area Agency on Aging Director, [jpelletier@tjcog.org](mailto:jpelletier@tjcog.org), 919.558.9398  
[www.tjaaa.org](http://www.tjaaa.org)

#### **Community Resource Connections**

The North Carolina Community Resource Connections for Aging and Disabilities System (CRC) consists of trusted resources where individuals can turn for information on the full-range of long-term support options and entry to public long-term support programs and benefits. The Wake and Chatham/Orange CRCs link resources within the communities and strengthen relationships between existing providers through partnerships and referral protocols to facilitate a "no wrong door" approach to



## **HUMAN SERVICES / AGING (Cont'd.)**

### **Community Resource Connections (Cont'd.)**

providing services for older adults and adults with disabilities. Their goal is to create a system where long-term supports and services wrap around the individual and provide seamless access to information on available options. Program responsibilities include: assistance, including options counseling and eligibility for low income assistance programs and; efforts to smooth hospital and nursing home transitions to and from home. TJCOG serves as a CRC Regional Connector and fiscal intermediary for federal and state funds administered by the NC Department of Health and Human Services, Division of Aging and Adult Services. As the CRC Regional Connector, TJAAA is to provide Lead Contact Agency services to residents of nursing homes across the region who wish to return to community living and expand the region's CRC network. It is also likely that the AAA will be coordinating the provision of some Medicare Improvements Patients and Providers Act (MIPPA) services through its CRC's, senior centers and others in its provider network.

Funding Sources: Federal / Federal-State Pass Thru

Joan Pellettier, Director, Area Agency on Aging, [jpellettier@tjcog.org](mailto:jpellettier@tjcog.org), 919.558.9398

### **Elder Abuse Prevention**

The Area Agency on Aging has a role with regard to the public education and outreach services to identify and prevent abuse, neglect and exploitation of disabled and/or older individuals. This responsibility is addressed primarily through the work of the Regional Long Term Care Ombudsmen but is also targeted by other staff of the Area Agency. The ombudsmen provide education and training on how and where to make reports of elder abuse, neglect and /or exploitation and on the mandatory reporting law.

Funding Sources: Federal / In-Kind

Joan Pellettier, Director, Area Agency on Aging, [jpellettier@tjcog.org](mailto:jpellettier@tjcog.org), 919.558.9398

### **Family Caregiver Support**

TJCOG administers the regional development of the National Family Caregiver Support Program, which funds local services to assist families supporting elder relatives at home. Direct services include dissemination of resource information, assistance with access to services, support groups, individual counseling, care training and respite care. The regional office monitors local budget management and compliance with service regulations, provides technical support and program troubleshooting, liaises with the state aging office and conducts continuous program development in collaboration with regional and state partner entities.

Funding Sources: Federal / Federal-State Pass Thru

Ellison Jones, Family Caregiver Resource Specialist, [ejones@tjcog.org](mailto:ejones@tjcog.org), 919.558.9391  
<http://www.tjcog.org/family-caregiver-support-program.aspx>



## **HUMAN SERVICES / AGING (Cont'd.)**

### **Long Term Care Ombudsman Program**

The Regional Long Term Care (LTC) Ombudsman Program advocates for residents in long term care facilities by investigating concerns from residents and family members related to residents' rights, acting as mediators when residents have difficulty exercising their rights and providing technical assistance to residents and families. The Program also provides initial and ongoing training and technical assistance to the county-appointed Community Advisory Committee volunteers, provides technical assistance and training to facility staff and works to educate the community about long term care issues and raise awareness about elder abuse and its prevention.

Funding Sources: Federal / Local Aging Share

Aimee Kepler, Ombudsman, [akepler@tjcog.org](mailto:akepler@tjcog.org), 919.558.2719  
<http://www.tjcog.org/ombudsman.aspx>

### **Music in My Mind / Songs for Seniors**

Through this initiative of the Long Term Care Ombudsman Program, administrators and staff members of long term care facilities and other caregivers are encouraged to apply the power of music to "awaken" individuals with dementia and other cognitive developments. The approach is based on Music and Memory©, a project supported by neuroscientific research showing that music often calms chaotic brain activity and enables the listener to regain a connection to others. Our region's Ombudsmen work with county-based Community Advisory Committees to host free screenings of the full-length documentary, *Alive Inside: A Story of Music and Memory*, assist interested facilities administrators with certification and implementation and collect donations of gently used iPods, chargers and headsets for use in the facilities.

Funding Source: Federal / Local Aging Share / In-Kind

Carmelita Karhoff, Long Term Care Ombudsman, [ckarhoff@tjcog.org](mailto:ckarhoff@tjcog.org), 919.558.2714

### **Senior Tarheel Legislature Delegates**

The North Carolina Senior Tar Heel Legislature was created by the NC General Assembly to provide information to senior citizens regarding the legislative process and matters being considered by the General Assembly, promote citizen involvement and advocacy concerning aging issues before the General Assembly, and assess the legislative needs of older citizens by convening a forum modeled after the General Assembly. Region J has a delegate and alternate from each county who serve on the STHL; they are supported by the Area Agency on Aging.

Funding Sources: Federal / State / Local Aging Share

Joan Pellettier, Director, Area Agency on Aging, [jpellettier@tjcog.org](mailto:jpellettier@tjcog.org), 919.558.9398





## **HUMAN SERVICES / AGING (Cont'd.)**

### **Sowing the Seeds of Culture Change**

“Culture Change” is the common name given to the national movement for the transformation of older adult services, based on person-directed values and practices where the voices of elders and those working with them are considered and respected. Region J’s Sowing the Seeds of Culture Change initiative serves as a catalyst for the implementation of person-centered principles and practices in Region J’s long term care continuum.

Funding Sources: Federal / Local Aging Share / In-Kind

Carmelita Karhoff, Long Term Care Ombudsman, ckarhoff@tjcog.org, 919.558.2714

### **Veterans Directed Services**

Work is expected to begin in FY 14 on the implementation of a Veterans Directed Service program, in collaboration with Veterans Administration Medical Centers. Area Agencies on Aging with VA Medical Centers in their regions will negotiate contractual arrangements with the Centers to provide social work and administrative support to guide a veteran through the process of hiring an individual to provide the person-centered services the veteran believes to be key in affording on-going independence. The lead area agency will also negotiate contractual arrangements with the other area agencies in the catchment area of the Centers to assure that Veterans Directed Services are available across the state.

Funding Source: Federal

Joan Pellettier, Area Agency on Aging Director, jpellettier@tjcog.org, 919.558.9398  
[www.tjaaa.org](http://www.tjaaa.org)



## MEMBER SERVICES / GENERAL GOVERNMENT

### Member Services Activities

Through Member Services, TJCOG:

- Provides ongoing support to the Board of Delegates and the Executive Committee;
- Recruits new members among the region's local governments;
- Facilitates, coordinates and hosts member groups and activities
- Represents TJCOG in various state, regional and local groups and organizations;
- Works with the Legislative Committee to develop and implement the Legislative Communications Plan and monitors activities of the General Assembly regarding bills of regional and local interest;
- Conducts TJCOG's communications program throughout the year, including production of *The Week Ahead at TJCOG*, *After Action* reports and the Annual Report, as well as the TJCOG website, [www.tjcog.org](http://www.tjcog.org); and
- Develops the organization's multi-year Work Plan and pursues board-driven initiatives.

Funding Source: Membership Assessment

Renée Boyette, Assistant to Executive Director, [rboyette@tjcog.org](mailto:rboyette@tjcog.org), 919.558.9403  
Marla Dorrel, Public Relations/Member Services Specialist, [mdorrel@tjcog.org](mailto:mdorrel@tjcog.org), 919.558.2706

### Capital Trees Program

The Capital Trees Program, administered through TJCOG's Regional Appearance Committee, recognizes the largest, rarest, oldest, and prettiest trees of various species throughout Wake County. Through the program, single trees or groups of trees are nominated for annual awards.

Funding Source: Special Local Assessment

Renée Boyette, Assistant to Executive Director, [rboyette@tjcog.org](mailto:rboyette@tjcog.org), 919.558.9403  
<http://www.tjcog.org/capital-trees-program.aspx>

### Drug & Alcohol Testing

Through its drug and alcohol testing program, TJCOG helps local governments meet US Department of Transportation regulations by providing pre-employment, random, reasonable cause, post accident, follow up and return-to-duty testing. A similar program is also offered for employers wishing to test safety-sensitive positions.

Funding Source: Project Income

Renée Boyette, Assistant to Executive Director, [rboyette@tjcog.org](mailto:rboyette@tjcog.org), 919.558.9403  
<http://www.tjcog.org/drug-alcohol-testing-program.aspx>



## **MEMBER SERVICES (CONT'D.)**

### **Joint Mayors and County Chairs Group**

Mayors and County Commission Chairs from TJCOG member governments meet together on a regular basis, setting their own agenda on topics of mutual interest.

Funding Source: Membership Assessment

Kirby Bowers, Executive Director, [kbowers@tjcog.org](mailto:kbowers@tjcog.org), 919.558.9395

### **The Forum**

The Forum consists of elected officials and community leaders from the sixteen regional councils across North Carolina. Its mission is to champion partnerships with the State of North Carolina, regional councils of government and their local members to promote and support regional collaborative solutions to complex challenges.

Funding Source: Membership Assessment

Kirby Bowers, Executive Director, [kbowers@tjcog.org](mailto:kbowers@tjcog.org), 919.558.9395

### **North Carolina School of Science & Mathematics – Independent Studies**

Since the spring of 2011, TJCOG has offered at least one independent study opportunity each trimester to students at the North Carolina School of Science and Mathematics in Durham. This for-credit coursework is developed and led by TJCOG regional planning staff who work with the students on projects drawn from various program areas. Students conclude their TJCOG studies by presenting their project results at a regular meeting of the TJCOG Board of Delegates or Executive Committee.

Funding Source: Membership Assessment

Marla Dorrel, Public Relations/Member Services Specialist, [mdorrel@tjcog.org](mailto:mdorrel@tjcog.org), 919.558.2706

### **Regional Appearance Committee**

This committee works to heighten awareness of the economic, environmental and quality of life benefits generated by good community appearance across the region. The committee extends participation to volunteers and professionals, alike.

Funding Sources: State / Membership Assessment / Special Local Assessment

Renée Boyette, Assistant to Executive Director, [rboyette@tjcog.org](mailto:rboyette@tjcog.org), 919.558.9403  
<http://www.tjcog.org/regional-appearance-committee.aspx>

### **Regional Managers Group**

Regular meetings of the Managers from TJCOG's member governments afford the opportunity to network, share information and discuss topics of mutual interest.

Funding Source: Membership Assessment

Kirby Bowers, Executive Director, [kbowers@tjcog.org](mailto:kbowers@tjcog.org), 919.558.9395



## **MEMBER SERVICES (CONT'D.)**

### **Regional Emergency Response and Security Planning Committee**

TJCOG regularly convenes region-wide meetings of city and county managers, deputy managers, police and fire chiefs, county emergency managers, EMS chiefs, and related agency leaders to examine the region's readiness to address emergency situations, share information and work toward better regional coordination and improved efficiency.

Funding Sources: Membership Assessment / Project Income

Kirby Bowers, Executive Director, [kbowers@tjcog.org](mailto:kbowers@tjcog.org), 919.558.9395



## REGIONAL PLANNING

### Development & Infrastructure

#### **CORE (Center of the Region Enterprise)**

From Raleigh-Durham Airport on the east to the Research Triangle Park on the west, six local governments exercise land use control and plan for infrastructure: Durham County, Durham City, Wake County, Raleigh, Cary and Morrisville. In order to create a balanced, sustainable pattern of development in this area, CORE brings together local governments and regional partners to discuss local plans and projects, share information and work on cooperative efforts.

Funding Sources: Membership Assessment / Special Local Assessment

Bergen Watterson, Planner - Development & Infrastructure, [bwatterson@tjcog.org](mailto:bwatterson@tjcog.org), 919.558.2700  
<http://www.tjcog.org/core.aspx>

#### **Hillsborough Roadway Standards**

TJCOG has been contracted by the Town of Hillsborough to lead this project to develop a comprehensive document describing the standards for street development within the Town. The Town has some existing policies related to street design, but wishes to organize, coordinate and update these policies in one comprehensive document.

Funding Source: Project Income

Matt Day, Senior Planner - Development & Infrastructure, [mday@tjcog.org](mailto:mday@tjcog.org), 919.558.9397

#### **Regional Data Center & GIS**

TJCOG hosts a regional data warehouse of aerial photography, geographic mapping data, and information about population, growth and other demographic characteristics. The warehouse includes data from local, state and federal partners plus custom data created in support of TJCOG programs. Custom mapping, analysis and data creation services are available to other local government entities and the public.

Funding Source: Membership Assessment

Bergen Watterson, Planner - Development & Infrastructure, [bwatterson@tjcog.org](mailto:bwatterson@tjcog.org), 919.558.2700  
<http://www.tjcog.org/regional-data-center.aspx>

#### **Regional Land Use, Transportation and Air Quality Coordination**

In this project, TJCOG works with the two Metropolitan Planning Organizations (MPOs), three Rural Planning Organizations, NCDOT, Triangle Transit and local governments on four main activities: Developing cooperative, transparent scenarios for future population and job growth; facilitating the Executive Committee of the Triangle Regional Transportation Model; helping coordinate preparation of MPO



## **REGIONAL PLANNING**

### **Development & Infrastructure (Cont'd.)**

#### **Regional Land Use, Transportation and Air Quality Coordination (Cont'd.)**

Metropolitan Transportation Plans; and managing the process of demonstrating that the region's Metropolitan Transportation Plans (MTPs) and Transportation Improvement Programs (TIPs) meet federal air quality conformity requirements. This program also includes the LUCID (Land Use - Community Infrastructure - Development) project, which focuses on ensuring that plans, practices and projects support coordinated land use and transit investments.

Funding Sources: Membership Assessment / Special Local Assessment / Project Income

John Hodges-Copple, Regional Planning Director, johnhc@tjcog.org, 919.558.9320

#### **Smart Growth Committee / Smart Growth Education & Technical Assistance**

Smart Growth Education and Technical Assistance activities focus on the following areas: Regional Planning Support – participation in regional planning projects undertaken by other organizations focusing on land use, smart growth, infrastructure and environmental planning; the Smart Growth Committee, which brings together elected officials, local and state government staff, university researchers and interested citizens to share information about programs designed to guide growth; and working with member jurisdictions and other groups on quality-growth related projects of value to the region and TJCOG's members. Each year, one meeting of the Smart Growth Committee is held in conjunction with the TJCOG Water Resources Advisory Committee.

Funding Sources: Membership Assessment

Bergen Watterson, Planner - Development & Infrastructure, bwatterson@tjcog.org, 919.558.2700  
<http://www.tjcog.org/smart-growth-committee.aspx>

#### **Triangle Area Rural Planning Organization (TARPO)**

The Triangle Area Rural Planning Organization provides a regional framework and unified voice on transportation issues for non-metro portions of the western Triangle (Lee and Moore Counties and rural parts of Chatham and Orange Counties). TARPO functions as a liaison between NCDOT and local governments to deliver multi-modal Comprehensive Transportation Plans, transit- bicycle- and pedestrian-specific plans, advance specific projects in the Statewide Transportation Improvement Plan (STIP) and provide technical assistance to member governments and the public.

Funding Sources: State / Special Local Assessment

Matt Day, Senior Planner - Development & Infrastructure, mday@tjcog.org, 919.558.9397  
[www.tarpo.org](http://www.tarpo.org)



## **REGIONAL PLANNING**

### **Development & Infrastructure (Cont'd.)**

#### **Triangle Development & Infrastructure Partnership Strategic Initiatives**

The Triangle Development & Infrastructure Partnership brings together community, university, regional and state partners to develop long-term, regional strategies for the development and conservation of land, infrastructure investments to support development, and improved mobility. The Partnership's Strategic Initiatives program focuses on four areas: transit investment; water resources planning; capital investment programs; and regional, state and federal opportunities. Some of the initiatives have their own project structure, including:

##### *North Carolina Next Generation Networks (NCNGN)*

NC Next Generation Networks (NC NGN, pronounced "NC Engine") is a cooperative effort of universities, their host communities and other partners to speed the deployment of ultra high speed broadband services for businesses, institutions and consumers.

##### *Cable Broadband Consortium*

The Cable Broadband Consortium provides contracting local governments with cost-effective and up-to-date consulting and technical expertise in the constantly changing landscape of cable TV and broadband communications.

Funding Sources: Membership Assessment / Special Local Assessment / Project Income

John Hodges-Copple, Regional Planning Director, [johnhc@tjcog.org](mailto:johnhc@tjcog.org), 919.558.9320  
<http://www.tjcog.org/development-infrastructure-partnership>

### **Economic Development**

#### **Foreign Trade Zone #93**

Foreign Trade Zones (FTZs) in the United States provide special customs procedures to US companies engaged in international trade-related activities. Domestic and foreign merchandise may be admitted to an FTZ without a formal Customs entry. Goods in the Zone may be sorted, manipulated, used in manufacturing, inspected, combined with other domestic or foreign materials, displayed for sale and re-exported without payment of duty. Foreign goods entering the Zone may be eligible for duty savings and/or deferral when entered into US commerce. This program helps offset customs advantages available to overseas producers who compete with domestic industry. Foreign Trade Zone #93, administered by TJCOG, has three magnet sites: World Trade Park near RDU Airport, operated by Longistics International; the Holly Springs Business Park; and the Imperial Center Business Center. Dudson China USA, located in North Raleigh; Southern Lithoplate in Youngsville; and GlaxoSmithKline in



## **REGIONAL PLANNING**

### **Economic Development (Cont'd.)**

#### **Foreign Trade Zone #93 (Cont'd.)**

Zebulon are usage-driven sites. Subzones are approved for Revlon Consumer Products in Granville County and for Merck Sharp & Dohme Corporation in both Wilson and Durham counties.

Funding Source: Project Income

Renée Boyette, FTZ #93 Administrator, [rboyette@tjcog.org](mailto:rboyette@tjcog.org), 919.558.9403  
<http://www.tjcog.org/foreign-trade-zone-93>

#### **NC Tomorrow / Comprehensive Economic Development Strategy (CEDS)**

NC Tomorrow works toward a more uniform approach to economic development planning across the state by producing a comprehensive economic development strategy (CEDS) for each of the 16 North Carolina regions, as well as a consolidated state-wide economic development strategy. To complete this task, TJCOG is working with economic development professionals and planners throughout the region, as well as the Research Triangle Regional Partnership, to develop a regional strategy for development and growth that will coordinate and enhance economic development efforts throughout the region. The project is funded by the US Economic Development Administration and the NC Department of Commerce through a CDBG grant received by Orange County for this purpose.

Funding Source: To be identified

John Hodges-Copple, Regional Planning Director, [johnhc@tjcog.org](mailto:johnhc@tjcog.org), 919.558.9320  
Kirby Bowers, Executive Director, [kbowers@tjcog.org](mailto:kbowers@tjcog.org), 919.558.9395

### **Energy & Environment**

#### **Energy & Environment Planning**

Energy & Environment Department Planning encompasses green initiatives and sustainable projects in the Triangle and serves as a point of contact for our members as they work to implement green and sustainable initiatives. Through this project, TJCOG has leveraged nearly \$3 in grant funding for every \$1 in local dues. As a result, the organization is able to take a leadership position in Triangle-area sustainability initiatives.

Funding Source: Membership Assessment / Other

Kathy Boyer, Energy and Environment Program Manager, [kboyer@tjcog.org](mailto:kboyer@tjcog.org), 919.558.9400  
<http://www.tjcog.org/energy-environment.aspx>





## **REGIONAL PLANNING**

### **Energy & Environment (Cont'd.)**

#### **Alternative Fuels Implementation Team**

The North Carolina Solar Center/NC State University (NCSC) in collaboration with public and private partners is conducting a 24 month Alternative Fuel Implementation Team (AFIT) project with federal funding support from the US Department of Energy. The overall purpose of the project is to reduce barriers to alternative transportation fuel adoption. Expansion of biodiesel, ethanol (E85), natural gas, propane and electric transportation will be the focus of implementation activities. The project will culminate in the development of a Petroleum Displacement Toolkit and a SE Alternative Fuels Conference in year two. TJCOG is a primary investigator in this effort.

Funding Source: Federal

Lacey Wolfe, Senior Planner - Energy & Environment, lacey@tjcog.org, 919.558.2705

#### **Carolina Blue Skies & Green Jobs Initiative**

The Carolina Blue Skies & Green Jobs Initiative is a bi-state effort to create and retain green collar jobs and reduce dependence on foreign oil by increasing availability and use of alternative fuels in North and South Carolina. Begun in 2010, this four-year program provides support for alternative fuel vehicles and infrastructure projects by collaborating with over 40 alternative fuel partners in North and South Carolina. The initiative includes vehicles and fueling infrastructure for electric, hybrid-electric, compressed natural gas, propane, E85 and biodiesel fuels and technologies.

Funding Sources: Federal / Federal-State Pass Thru

Kathy Boyer, Energy and Environment Program Manager, kboyer@tjcog.org, 919.558.9400  
[www.carolinablueskies.net](http://www.carolinablueskies.net)

#### **Clean Fuels Advanced Technologies**

The Clean Fuels Advanced Technologies (CFAT) Program is funded by the North Carolina Solar Center at NC State University, with the purpose of increasing the use of alternative fuels, advanced technology vehicles and vehicle emission control technologies in counties with poor air quality, as defined by the National Ambient Air Quality Standards (NAAQS).

Funding Sources: Federal / Membership Assessment / Other

Brennan Bouma, Planner - Energy & Environment, bbouma@tjcog.org, 919.558.9405

#### **Council for a Sustainable Triangle (CFAST)**

Part of TJCOG's overall energy and environmental planning program, the Council for a Sustainable Triangle works closely with sustainability managers from the region's local governments and academic institutions, corporate entities, elected officials, non-profits, public utilities and other "green" service providers. Serving as a central point



## **REGIONAL PLANNING**

### **Energy & Environment (Cont'd.)**

#### **Council for a Sustainable Triangle (CFAST) (Cont'd.)**

for partnership, the council promotes a shared vision for increasing sustainable design in the region by increasing energy efficiency through collaboration with its stakeholders in a wide range of activities.

Funding Sources: Membership Assessment / Project Income

Brennan Bouma, Planner - Energy & Environment, [bbouma@tjcog.org](mailto:bbouma@tjcog.org), 919.558.9405  
<http://cfast.net/>

#### **Transportation Demand Management Program**

The Transportation Demand Management Program coordinates and evaluates regional TDM activities, including efforts by numerous partners to reduce traffic and air pollution by promoting commute alternatives such as mass transit, carpools, bikes, telework and vanpools. To ensure the most efficient use of resources and to be able to track progress, TJCOG is taking the lead in coordinating funding for marketing activities and then evaluating the effectiveness of these projects.

Funding Sources: Federal-State Pass Thru / State / Deferred Revenue

Kelsey Kusterer, Planner - Energy & Environment, [kkusterer@tjcog.org](mailto:kkusterer@tjcog.org), 919.558.2709  
<http://www.tjcog.org/triangle-transportation-demand-management-program>

#### **Triangle Clean Cities Coalition**

Founded at TJCOG in 1999, the Triangle Clean Cities Coalition works to improve air quality and reduce dependence on petroleum by promoting alternative transportation fuels. By bringing together fleet managers, local and state government officials, fuel and vehicle providers and interested citizen groups, the coalition helps move North Carolina toward a more sustainable future.

Funding Sources: Federal / State / Other

Lacey Wolfe, Senior Planner - Energy & Environment, [lacey@tjcog.org](mailto:lacey@tjcog.org), 919.558.2705  
[www.trianglecleancities.org](http://www.trianglecleancities.org) and [twitter.com/trianglealtfuel](https://twitter.com/trianglealtfuel)

#### **Waste Reduction Partners**

Waste Reduction Partners utilizes retired engineers and scientists to provide technical assistance to NC industries, businesses, non-profits, institutions and governmental entities. Technical assistance includes: energy, solid waste and water use reduction assessments to help organizations become more efficient, economically viable and environmentally sustainable. This program operates with a network of more than 70 volunteers across the state, in partnership with the Land-of-Sky Council of Governments.

Funding Source: State

Christal Perkins, Waste Reduction Partners Program Administrator, [cperkins@tjcog.org](mailto:cperkins@tjcog.org), 919.558.2702  
[www.wastereductionpartners.org](http://www.wastereductionpartners.org)



## **REGIONAL PLANNING (Cont'd.)**

### **Water Resources**

#### **Water Resources Program**

The Water Resources program provides comprehensive water resources planning and management services to TJCOG's member governments. The Water Resources program staff works with other TJCOG planning and GIS staff and with staff in local governments and other regional agencies to manage area water resources and watersheds. The water resources program provides staff support for various committees and ongoing programs, provides technical assistance, conducts analyses and develops plans and reports related to water supply, wastewater, stormwater, water quality and watershed management.

Funding Source: Membership Assessment

Mike Schlegel, Water Resources Program Manager, [mschlegel@tjcog.org](mailto:mschlegel@tjcog.org), 919.558.9342  
<http://www.tjcog.org/water-resources.aspx>

#### **Ellerbe Creek Green Infrastructure Planning**

The Ellerbe Creek Watershed Association was awarded an EPA Urban Waters Grant to examine the potential for Green Infrastructure in urbanized areas of Durham. TJCOG is providing support to ECWA in identifying potential green infrastructure locations, conducting fieldwork to verify feasibility of projects, and in modeling pollutant reductions. The study focuses on urbanized subcatchments in Durham, and through GIS analysis and field verification, identifies opportunities for (generally smaller scale) green infrastructure projects (e.g. green roofs, rainwater harvesting, bioretention, permeable pavement, rain gardens, etc.). After fieldwork is completed, TJCOG will assist ECWA in developing models in the Jordan and Falls Lake Stormwater Nutrient Load Accounting Tool to estimate the amount of load reduction in the subwatershed in scenarios with high adoption of green infrastructure.

Funding Source: Project Income

Heather Saunders Benson, Senior Planner - Water Resources, [hsaunders@tjcog.org](mailto:hsaunders@tjcog.org), 919.558.9319

#### **Great Coharie Creek Local Watershed Plan**

TJCOG is providing support to the NC Department of Environment and Natural Resources (NCDENR), Ecosystem Enhancement Program (EEP) for the Great Coharie Creek Local Watershed Plan (LWP). This watershed planning effort will identify and prioritize actions including stream, buffer and wetland mitigation that will improve the functional conditions of the watershed.

Funding Source: State

Mike Schlegel, Water Resources Program Manager, [mschlegel@tjcog.org](mailto:mschlegel@tjcog.org), 919.558.9342  
[http://www.nceep.net/services/lwps/Great\\_coharie/Great\\_Coharie\\_Creek\\_Jan\\_09.pdf](http://www.nceep.net/services/lwps/Great_coharie/Great_Coharie_Creek_Jan_09.pdf)



## **REGIONAL PLANNING**

### **Water Resources (Cont'd.)**

#### **Jordan Lake Allocation – Model Development**

Through this program, TJCOG will conduct work to support the NC Nutrient Scientific Advisory Board in modeling jurisdictional loading allocations to the B. Everett Jordan Reservoir, as required by SL 2009-2016 and SL 2009-484. This project will develop estimates of nutrient loading by jurisdiction to the reservoir from developed lands in its watershed using appropriate modeling tools and determine jurisdictional loading allocations for regulated communities in the watershed.

Funding Source: State

Heather Saunders Benson, Senior Planner - Water Resources, [hsaunders@tjcog.org](mailto:hsaunders@tjcog.org), 919.558.9319

#### **Jordan Lake Partnership - Regional Water Supply Plan**

The Jordan Lake Partnership was created to jointly plan for expanded use of available water supply in Jordan Lake and to enhance the sustainability and security of the region's water supplies through conservation and efficiency, interconnections, coordinated planning and development, and joint discussions with regulatory agencies. The partnership involves Chatham, Orange and Wake counties; Apex, Cary, Durham, Hillsborough, Holly Springs, Morrisville, Pittsboro, Raleigh and Sanford; and Orange Water & Sewer Authority.

Funding Source: Project Income

Mike Schlegel, Water Resources Program Manager, [mschlegel@tjcog.org](mailto:mschlegel@tjcog.org), 919.558.9342  
<http://jordanlakepartnership.org/>

#### **NC Clean Water Education Partnership**

The NC Clean Water Education Partnership (CWEP) is an interlocal program that conducts mass media stormwater outreach on behalf of local governments subject to state and federal stormwater outreach requirements. The objective is to improve the public's understanding of where stormwater pollution comes from, its impact on water quality and what people can do to reduce the problem. Through CWEP, TJCOG also advises members and the state Department of Environment and Natural Resources on permitted program components, evaluation metrics and effective outreach strategies.

Funding Source: Special Local Assessment

Heather Saunders Benson, Senior Planner - Water Resources, [hsaunders@tjcog.org](mailto:hsaunders@tjcog.org), 919.558.9319  
Sarah Bruce, Senior Planner - Water Resources, [sbruce@tjcog.org](mailto:sbruce@tjcog.org), 919.558.9343  
[www.nccleanwater.org](http://www.nccleanwater.org)

#### **Regional Water Efficiency and Conservation Committee**

The Regional Water Efficiency and Conservation Committee (RWECC) formed in response to historic drought in 2007-08 to develop regional consensus on a consistent set of year-round conservation measures and framework for water shortage responses. The group meets periodically to share information and discuss related topics of water



## **REGIONAL PLANNING**

### **Water Resources (Cont'd.)**

#### **Regional Water Efficiency and Conservation Committee (Cont'd.)**

conservation and water resource awareness. Involves the NC Division of Water Resources; Duke University Nicholas Institute; Apex, Cary, Durham and Raleigh; and Orange Water & Sewer Authority.

Funding Source: Membership Assessment

Sarah Bruce, Senior Planner - Water Resources, sbruce@tjcog.org, 919.558.9343

#### **Triangle Area Water Supply Monitoring Project**

The Triangle Area Water Supply Monitoring Project is a cooperative interlocal water quality monitoring program involving several drinking water supply sources throughout the region. The primary purposes of the project are to: determine the presence or absence of pollutants in the region's drinking water supplies; measure long-term trends in water quality to help guide watershed management efforts; and provide local governments with cost-effective water supply water quality monitoring services. This project involves the US Geological Survey (USGS); Chatham, Orange and Wake counties; Apex, Cary, Durham and Hillsborough; and Orange Water & Sewer Authority.

Funding Source: Special Local Assessment

Heather Saunders Benson, Senior Planner - Water Resources, hsaunders@tjcog.org, 919.558.9319  
<http://nc.water.usgs.gov/triangle/>

#### **Upper Cape Fear River Basin Association**

The Upper Cape Fear River Basin Association (UCFRBA) is a coalition of local governments, public and private agencies and other interested and affected organizations, businesses and individuals to provide a watershed coordination process and forum that can be used to facilitate protection and restoration of the water quality of the Upper Cape Fear River Basin. TJCOC and Piedmont-Triad Council of Governments jointly provide administrative, management and technical services for the Association consistent with its objectives and perform overall administration of the projects and initiatives of the Association's contractual agreements. The association involves Piedmont Triad Council of Governments; Durham and Wake Counties; Asheboro, Burlington, Cary, Durham, Graham, Greensboro, High Point, Mebane, Pittsboro, Ramseur, Randleman, Reidsville, Sanford, Siler City and Star; Orange Water & Sewer Authority; and Gold Kist, Performance Fibers and Arclin Industries.

Funding Source: Project Income

Mike Schlegel, Water Resources Program Manager, mschlegel@tjcog.org, 919.558.9342  
<http://www.ptrc.org/UCFRBA>, [www.cormp.org/CFP](http://www.cormp.org/CFP)



**REGIONAL PLANNING**  
**Water Resources (Cont'd.)**

**Upper Neuse Clean Water Initiative**

TJCOG serves as a Review Committee member for the Upper Neuse Clean Water Initiative to review proposed land preservation projects to protect water quality. UNCWI is a partnership effort between landowners, conservation organizations, and local and state government programs to prioritize and protect those lands most critical for the long-term safety and health of all drinking water supplies for the communities in the Upper Neuse River Basin. Since its inception, UNCWI has protected 4,332 acres and over 45 miles of stream buffer for a total land value of \$38 million (of that, over \$10 million is value donated by landowners). TJCOG helped to develop the weighted criteria GIS model to evaluate high-priority parcels for water quality conservation.

Funding Source: Membership Assessment

Heather Saunders Benson, Senior Planner - Water Resources, hsaunders@tjcog.org, 919.558.9319

**Water Resources Advisory Committee**

Representatives from TJCOG member governments meet quarterly to discuss various regional water-related issues. One meeting per year is held in conjunction with the TJCOG Smart Growth Committee.

Funding Source: Membership Assessment

Mike Schlegel, Water Resources Program Manager, mschlegel@tjcog.org, 919.558.9342

**Water & Sewer Rates Report**

This annual report compares water and sewer service providers' monthly charges for typical residential customers in Region J using data from the NC League of Municipalities annual survey conducted by the UNC Environmental Finance Center.

Funding Source: Membership Assessment

Sarah Bruce, Senior Planner - Water Resources, sbruce@tjcog.org, 919.558.9343