



TRIANGLE J COUNCIL OF GOVERNMENTS

**Work Plan
FY 2015 — FY 2017**

**Board Initiatives
and
Directory of Current Programs**

Approved by the Board of Delegates

October 22, 2014



WORK PLAN FY 2015 – FY 2017

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TRIANGLE J COUNCIL OF GOVERNMENTS

WORK PLAN FY 2015 – FY 2017

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 2015-17

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

- **Grantsmanship Assistance** – Develop a plan to provide members assistance with grant development and grant writing
- **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 Pellettier, Area Agency on Aging Director, jpellettier@tjcog.org, 919.558.9398
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 Pellettier, Area Agency on Aging Director, jpellettier@tjcog.org, 919.558.9398
www.tjaaa.org/advisory-council-on-aging



HUMAN SERVICES / AGING (Cont'd.)

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, Chatham/Orange and Durham 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 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 provides Lead Contact Agency services to residents of nursing homes across the region who wish to return to community living and works to expand the region’s CRC network.

Funding Sources: Federal / Federal-State Pass Thru

Joan Pellettier, Director, Area Agency on Aging, 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, 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



HUMAN SERVICES / AGING (Cont'd.)

Family Caregiver Support (Cont'd.)

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, 919.558.9391
www.tjcog.org/family-caregiver-support-program

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 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. The program also works with facility administration in the development of strategies to address long term care issues and opportunities impacting the quality of life of facility residents.

Funding Sources: Federal / Local Aging Share

Aimee Kepler, Ombudsman, akepler@tjcog.org, 919.558.2719
www.tjcog.org/ombudsman

Music in My Mind

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. Staff in long term care homes and other care settings are trained to set up personalized music playlists, delivered on iPods and other digital devices, for the individuals in their care. Ongoing program research and evaluation of similar programs across the country show consistently that through personalized music, residents are happier and more social; relationships among staff, residents and family deepen; everyone benefits from a calmer, more supportive social environment; and staff regains valuable time previously lost to behavior management issues. There is growing evidence that a personalized music program gives professionals one more tool in their effort to reduce reliance on anti-psychotic medications.

Funding Source: Project Income

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



HUMAN SERVICES / AGING (Cont'd.)

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. A delegate and alternate from each county in Region J serve on the STHL.

Funding Sources: Federal / State / Local Aging Share

Joan Pellettier, Director, Area Agency on Aging, jpellettier@tjog.org, 919.558.9398

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@tjog.org, 919.558.2714

Veterans Directed Services

Work is expected to begin this fiscal year 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@tjog.org, 919.558.9398
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; 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, 919.558.9403
Marla Dorrel, Public Relations/Member Services Specialist, mdorrel@tjcog.org, 919.558.2706

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, 919.558.9403
www.tjcog.org/drug-alcohol-testing-program

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, 919.558.9395



MEMBER SERVICES (CONT'D.)

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, 919.558.9395

North Carolina School of Science & Mathematics – Independent Studies

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

Funding Source: Membership Assessment

Renée Boyette, Assistant to Executive Director, rboyette@tjcog.org, 919.558.9403

Regional Appearance Committee

This committee works to heighten awareness of the economic, environmental and quality of life benefits generated by good community appearance planning.

Funding Sources: Membership Assessment / Project Income

Renée Boyette, Assistant to Executive Director, rboyette@tjcog.org, 919.558.9403
www.tjcog.org/regional-appearance-committee

Regional Managers Group

Regular meetings of the Managers from TJCOCG'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, 919.558.9395

Regional Emergency Response and Security Planning Committee

TJCOCG 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



MEMBER SERVICES (CONT'D.)

Regional Emergency Response and Security Planning Committee (Cont'd.)

efficiency. The committee is currently exploring the potential for developing a Regional Public Safety Training Center.

Funding Sources: Membership Assessment / Project Income

Kirby Bowers, Executive Director, kbowers@tjcog.org, 919.558.9395



REGIONAL PLANNING

Development & Infrastructure

CORE (Center of the Region Enterprise)

The Center of the Region Enterprise (CORE) brings together elected leaders and regional partners to cooperatively plan for development, infrastructure and green space among the six communities with land use jurisdiction in the area encompassing the RDU Airport and Research Triangle Park. The CORE Communities Work Group provides guidance and staff from the communities, the RTP, RDU, the two metropolitan planning organizations and NCDOT. The Work Group participates in specific projects; its members share information on development and infrastructure programs with one another.

Funding Sources: Membership Assessment / Special Local Assessment

Bergen Watterson, Planner - Development & Infrastructure, bwatterson@tjcog.org, 919.558.2700
www.tjcog.org/core

Regional Active Transportation Composite Plan

TJCOG is collecting, analyzing and synthesizing existing and planned bicycle and pedestrian infrastructure from communities and organizations in Wake, Durham, Chatham and Orange Counties. One product will be a consistent set of mapped facilities in digital form that can be used for mapping, planning or user-oriented apps.

Funding Source: Project Income

Bergen Watterson, Planner - Development & Infrastructure, bwatterson@tjcog.org, 919.558.2700

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 information created in support of TJCOG programs. Custom mapping, analysis and data creation services are available on a contract basis.

Funding Source: Membership Assessment

Bergen Watterson, Planner - Development & Infrastructure, bwatterson@tjcog.org, 919.558.2700
www.tjcog.org/regional-data-center

Regional Land Use, Transportation and Air Quality Coordination

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



REGIONAL PLANNING

Development & Infrastructure (Cont'd.)

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

Transportation Model; helping coordinate preparation of MPO 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 Education & Technical Assistance

Smart Growth Education and Technical Assistance activities focus on the following areas:

- Regional Planning Support – participate in regional planning projects undertaken by other organizations focusing on land use, smart growth, infrastructure and environmental planning;
- Manage the Smart Growth Committee, which brings together elected officials, local and state government staff, university researchers and interested citizens to share information and explore cooperative efforts on topics determined by the committee. Each year, one meeting of the Smart Growth Committee is held in conjunction with the TJCOW Water Resources Advisory Committee.
- Technical Assistance & Special Projects - work with member jurisdictions and other groups on quality-growth related projects of value to the region and TJCOW's members.
- Manage and support TJCOW's planning efforts, including new project development and communications.

Funding Sources: Membership Assessment

Bergen Watterson, Planner - Development & Infrastructure, bwatterson@tjcog.org, 919.558.2700
www.tjcog.org/smart-growth-committee

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,



REGIONAL PLANNING

Development & Infrastructure (Cont'd.)

Triangle Area Rural Planning Organization (TARPO) (Cont'd.)

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 / Other

Matt Day, Senior Planner - Development & Infrastructure, mday@tjcog.org, 919.558.9397
www.tarpo.org

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. Certain 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.

Funding Sources: Membership Assessmt / Special Local Assessmt / Project Income /Other

John Hodges-Copple, Regional Planning Director, johnhc@tjcog.org, 919.558.9320
www.tjcog.org/development-infrastructure-partnership

Wake County Hazard Mitigation Plan

TJCOG partnered with Atkins Consulting in FY14 to assist with stakeholder involvement in an update and consolidation of Wake County Hazard Mitigation Plans. TJCOG is supporting the planning effort in FY15 by helping Wake County local governments set up an online repository for information related to plan implementation.

Funding Source: Project Income

Sarah Bruce, Senior Planner, sbruce@tjcog.org, 919.558.9343



REGIONAL PLANNING (Cont'd.)

Economic Development

Foreign Trade Zone #93

A Foreign Trade Zone (FTZ) is a designated location in the United States where companies can use special procedures that help encourage U.S. activity and value added - in competition with foreign alternatives - by allowing delayed or reduced duty payments on foreign merchandise, as well as other savings. Goods in a zone site may be sorted, manipulated, used in production, inspected, combined with other domestic or foreign materials, displayed for sale and/or 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. As Grantee of FTZ #93, TJCOG currently administers three magnet sites, three usage-driven sites, and three subzones in the 13-county service area. One magnet site and two usage driven sites are presently activated and FTZ Subzones are operational for Revlon Consumer Products (Granville County), and for Merck Sharp & Dohme (Durham County and Wilson County).

Funding Source: Project Income

Renée Boyette, FTZ #93 Administrator, rboyette@tjcog.org, 919.558.9403
www.tjcog.org/foreign-trade-zone-93

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 program, TJCOG has leveraged nearly \$3 in grant funding for every \$1 in local member assessments. As a result, the organization is able to take a leadership position in Triangle-area sustainability initiatives. The programs described below comprise the work that member assessments have leveraged. These programs are a collaborative effort of the Energy & Environment Department staff, under the direction of Energy & Environment Program Manager Kathy Boyer.

Funding Source: Membership Assessment

Kathy Boyer, Energy and Environment Program Manager, kboyer@tjcog.org, 919.558.9400
www.tjcog.org/energy-environment



REGIONAL PLANNING

Energy & Environment (Cont'd.)

Alternative Fuels Implementation Team

The North Carolina Clean Energy Technology 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 are the focus of implementation activities. The project will culminate in the development of a Petroleum Displacement Toolkit and a SE Alternative Fuels Conference. TJCOG is a primary investigator in this effort.

Funding Source: Federal

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

Clean Fuels Advanced Technologies

The Clean Fuels Advanced Technologies (CFAT) Program is funded by the North Carolina Clean Energy Technology 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

Triangle Area 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

Sarah Bruce, Senior Planner, sbruce@tjcog.org, 919.558.9343
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 fuel vehicles, alternative transportation fuels, hybrids and idle-reduction technology. By bringing together fleet managers, local and state government officials, fuel and vehicle



REGIONAL PLANNING

Energy & Environment (Cont'd.)

Triangle Clean Cities Coalition (Cont'd.)

providers and interested citizen groups, the coalition helps move North Carolina toward a more sustainable future.

Funding Sources: Federal / State

Lacey Wolfe, Senior Planner - Energy & Environment, lacey@tjcog.org, 919.558.2705
www.trianglecleancities.org and twitter.com/trianglealtfuel

Waste Reduction Partners

A corps of retired engineers and scientists provides 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 60 volunteers across the state, in partnership with the Land-of-Sky Council of Governments.

Funding Source: State

Christal Sandifer, Waste Reduction Partners Program Administrator, csandifer@tjcog.org, 919.558.2702
www.wastereductionpartners.org

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, 919.558.9342
www.tjcog.org/water-resources



REGIONAL PLANNING

Water Resources (Cont'd.)

Evaluation and Update of Eight Local Watershed Plans to 9-Element EPA

Watershed Plans in the Neuse and Cape Fear Basins

In collaboration with the NC Division of Water Resources (NCDWR), TJCOG has developed “A Simplified Guide to Writing Watershed Restoration Plans in North Carolina.” The guide includes a checklist for local governments to use in developing 9-Element Plans or documenting the status of existing watershed restoration plans. A pilot program in FY2014-15 will use the assessment tool with eight existing Local Watershed Plans to determine where and how they meet the 9 Elements; the plans will then be updated to meet the 9 Elements. Local Watershed Plans in the pilot include those for Ellerbe Creek, Middle Cape Fear, Morgan and Little Creeks, Little Lick Creek, Upper Swift Creek, Upper and Middle Rocky River, Troublesome and Little Troublesome Creeks and Tickle, Travis and Little Alamance.

Funding Source: State / Membership Assessment

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

Jordan Lake Allocation – Model Development

Through this program, TJCOG will conduct work to support the NC Nutrient Scientific Advisory Board for Nutrient Impaired Waters 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, 919.558.9319

Jordan Lake Partnership - Regional Water Supply Study

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, 919.558.9342
jordanlakepartnership.org



REGIONAL PLANNING

Water Resources (Cont'd.)

Low-Impact Development Case Studies

Through this DENR 205(j) water quality planning grant, TJCOG is to create low-impact development and traditional stormwater management scenarios for two different land uses and apply the new Stormwater Permit Application/Stormwater EZ tool to compare site-level stormwater characteristics of each scenario. Other components of this project to be funded through project partners will estimate expenditures and revenues on the part of developers for designing, obtaining permits for and constructing stormwater and stormwater-related infrastructure for each scenario. Land development stakeholders will be involved throughout the project.

Funding Source: State / Other

Sarah Bruce, Senior Planner, sbruce@tjcog.org, 919.558.9343

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 they 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 / Other

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



REGIONAL PLANNING

Water Resources (Cont'd.)

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

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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. TJCOG 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

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



REGIONAL PLANNING

Water Resources (Cont'd.)

Upper Neuse Clean Water Initiative (Cont'd.)

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

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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

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