

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
ACTION ITEM Integrated-1: Coordinated Actions					
Integrated-1	Establish annual coordination meetings among entities within the same or in neighboring jurisdictions to support integrated water resource management.				
Integrated-1.1	Conduct an annual meeting with local watershed management staff and land use planning and zoning staff on issues related to watershed management, as they are linked to land use planning and decisions. Consider holding this meeting more frequently, particularly during updates to the local Comprehensive Land Use Plan.	X			Annual Requirement
Integrated-1.2	Identify source water watersheds within the jurisdiction as well as priority issues and areas for watershed protection actions. Conduct an annual meeting of local government staff and water supply providers to discuss local issues and priorities.	X	X		Annual Requirement
Integrated-1.3	Conduct an annual meeting with local governments, water providers, planning and zoning staff, and County Board of Health staff on water supply and conservation action items.	X	X		Annual Requirement
Integrated-1.4	Conduct an annual meeting with local governments, wastewater providers, watershed management/stormwater staff and County Board of Health staff on watershed issues related to sanitary sewer and septic system management to address bacteria and other water quality concerns (see Action Items INTEGRATED-8 through INTEGRATED-11).	X		X	Annual Requirement
ACTION ITEM Integrated-2: Local Water Master Plans					
Integrated-2	Develop and maintain local water master plans that reflect available water sources, water source development and water treatment facility and/or water distribution improvement needs based on future water demands.				
Integrated-2.1	Develop and maintain a local water master plan with a planning horizon consistent with this Plan (through 2050).		X		Current Requirement
Integrated-2.2	Update the local water master plan every five years and as otherwise needed to support projects and remain consistent with regional and state requirements.		X		Every 5 years
Integrated-2.3	Include a section in the next update of the water master plan entitled Climate Resiliency. This section shall discuss infrastructure potentially vulnerable to extreme weather events and identify adaptive strategies for mitigating impacts.		X		Current Requirement
ACTION ITEM Integrated-3: Update Local Emergency Water Plans					
Integrated-3	Develop or update local emergency water plans to include sufficient emergency water supply sources and detailed steps to modify system operations in order to accept or share water with adjacent local water providers. Review interconnection reliability targets to estimate minimum water supplies for reliability, efficiency and emergencies.				
Integrated-3.1	Adopt a written local emergency water plan that defines specific steps required to accept or share water in an emergency.		X		Current Requirement

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Integrated-3.2	Assess the need for the establishment and maintenance of service connections and share existing regional water supplies, where practicable.		X		Current Requirement
Integrated-3.3	Meet interconnection reliability targets and ensure that such interconnections provide needed reliability, efficiency and emergency water supplies.		X		Current Requirement
ACTION ITEM Integrated-4: Local Wastewater Master Plans					
Integrated-4	Develop and maintain a local wastewater master plan that addresses wastewater collection, treatment, and effluent and biosolids management.				
Integrated-4.1	Develop and maintain a local wastewater master plan that addresses wastewater collection, wastewater treatment, and effluent and biosolids management. The plan should have a planning horizon consistent with this Plan (through 2050).			X	Current Requirement
Integrated-4.2	Update the local wastewater master plan every five years, at a minimum, and as otherwise needed to support projects and to remain consistent with regional and State policy.			X	Every 5 years
Integrated-4.3	Include a section in the next update of the wastewater master plan entitled Climate Resiliency. This section shall discuss infrastructure potentially vulnerable to extreme weather events and identify adaptive strategies for mitigating impacts.			X	Current Requirement
ACTION ITEM Integrated-5: Connections to Public Sewer					
Integrated-5	Each local government shall coordinate with the local wastewater provider and develop and maintain sewer connection policies, including policies addressing redevelopment and conversion of septic systems to sewer service.	X			Current Requirement
ACTION ITEM Integrated-6: Source Water Assessment and Protection Program					
Integrated-6	Develop a Source Water Protection Plan that delineates raw water sources and identifies the potential sources of contamination to the drinking water supply.				
Integrated-6.1	Delineate the source water assessment area.		X		Current Requirement
Integrated-6.2	Conduct an inventory of potential sources of contamination.		X		Current Requirement
Integrated-6.3	Determine the susceptibility of the water supply to contamination.		X		Current Requirement
Integrated-6.4	Publish the results of the source water assessment in the Consumer Confidence Report (CCR).		X		Current Requirement
Integrated-6.5	Integrate this information into the Local Emergency Water Plan (Action Item INTEGRATED-3).		X		Current Requirement
Integrated-6.6	Update the SWAP by January 1, 2020 and every 10 years thereafter.		X		1/1/20

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
ACTION ITEM Integrated-7: Water Supply Watershed Protection					
Integrated-7	Adopt water supply watershed buffers as required by the Part V Environmental Planning Criteria established by Georgia DCA and enforced by Georgia EPD. Develop and implement inter-jurisdictional agreements as necessary.				
Integrated-7.1	Identify source water supply watersheds within its jurisdiction, as well as priority issues and areas for watershed protection, in coordination with local water provider.	X			Current Requirement
Integrated-7.2	Adopt the Part V Environmental Planning Criteria, including adoption of drinking water supply watershed buffers in local ordinances.	X			Current Requirement
ACTION ITEM Integrated-8: Septic System Planning					
Integrated-8	Develop a plan that identifies where and under what conditions septic systems are appropriate given long-term water quality and quantity concerns.				
Integrated-8.1	Determine future septic system areas and local requirements related to septic system planning.	X			Current Requirement
Integrated-8.2	Develop near-term and long-term written policies for transitioning unsewered areas to sewer areas.	X			Current Requirement
ACTION ITEM Integrated-9: Septic System Critical Area Management					
Integrated-9	Identify septic system critical areas, including existing and potential problem areas, and assign additional management requirements for septic systems in those areas.				
Integrated-9.1	Identify critical areas including assessment of risk of and potential impacts on water quality from septic system failures.	X			Current Requirement
Integrated-9.2	Provide enhanced management for septic systems in identified critical areas.	X			Current Requirement
ACTION ITEM Integrated-10: Septic System Septage Disposal					
Integrated-10	Develop a plan for the disposal of septage generated within a local jurisdiction at local WWTPs or alternative disposal locations.				
	Each local government shall develop a plan for septage disposal when determining future areas served by septic and developing wastewater master plans	X			Current Requirement
Integrated-10.1	Determine acceptable parameters for septage disposal at local wastewater treatment facilities.			X	Current Requirement
Integrated-10.2	Collect septage hauling manifests and provide them to the County Board of Health at least once per year.			X	Annual Requirement
Integrated-10.3	Plan for future septage disposal needs when upgrading or designing new wastewater treatment facilities.			X	Current Requirement
Integrated-10.4	Report septage quantity received, rate structure for disposal, and septage receiving policies each year to the Metro Water District by treatment facility. This information will be used for District tracking as well as shared with the GADPH for coordination with certified haulers.			X	Annual Requirement

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
ACTION ITEM Integrated-11: Septic System Maintenance Education					
Integrated-11	Each local government shall offer ongoing septic system maintenance education as part of a local government's watershed management education programs.	X			Current Requirement
ACTION ITEM Integrated-12: Private Decentralized Wastewater Systems Ordinance					
Integrated-12	Adopt and maintain local ordinances regarding decentralized wastewater systems and provide technical support when ordinance changes are proposed.				
Integrated-12.1	Adopt a private wastewater system ordinance that either prohibits private decentralized wastewater treatment systems or provides technical specifications for these systems.	X			Current Requirement
Integrated-12.2	Provide a copy of the ordinance to Georgia EPD and Georgia DCA and incorporate into local wastewater master plans.	X			Current Requirement
ACTION ITEM Integrated-13: Corps Reservoirs - Storage, Withdrawals and Returns					
Integrated-13	<u>Allatoona and Lanier water and wastewater providers only:</u> Coordinate integrated water supply uses and the return of highly treated wastewater to Lake Lanier and Allatoona Lake to support the long-term, sustainable use of water from these reservoirs and their watersheds.				
	<u>Allatoona and Lanier water providers only:</u> Each local water provider that withdraws or plans to withdraw water from Allatoona Lake or Lake Lanier shall, after the date of this plan, coordinate with the State of Georgia through its designated implementing agency(ies) in any requests for water supply storage from the Corps in either Allatoona Lake or Lake Lanier.		X (Allatoona and Lanier Only)		Current Requirement
Integrated-13.1	<u>Each local wastewater provider that returns or may in the future return highly treated wastewater to Allatoona Lake, Lake Lanier, or any tributary to these reservoirs shall:</u> Ensure that treatment capacity developed by the local wastewater provider and permitted wastewater discharges are consistent with the projected wastewater treatment capacities and wastewater discharges included in this Plan (as it may be amended from time to time).			X (Allatoona and Lanier Only)	Current Requirement
Integrated-13.2	<u>Each local wastewater provider that returns or may in the future return highly treated wastewater to Allatoona Lake, Lake Lanier, or any tributary to these reservoirs shall:</u> If due to changed circumstances or an increase in projected wastewater flows compared to what is included in this Plan a local wastewater provider plans to (a) increase its wastewater treatment capacity by building a new or expanded wastewater treatment plant, (b) change the location of a currently permitted wastewater discharge to a new location outside of the river basin from which the water was sourced or (c) enter into a new or expanded intergovernmental agreement to send wastewater flows to another local wastewater provider - then the local wastewater provider shall request an amendment to this Plan reflecting such changes. Any requested amendment must be approved by the District prior to Georgia EPD issuing the requested permit.			X (Allatoona and Lanier Only)	Current Requirement

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Integrated-13.3	<p><u>Each local wastewater provider that returns or may in the future return highly treated wastewater to Allatoona Lake, Lake Lanier, or any tributary to these reservoirs shall:</u></p> <p>Any local wastewater provider seeking an amendment to this Plan as described above in Subtask 2 shall meet with staff for the District and provide any information necessary to support an amendment to this Plan. Such information may include, but is not limited to, current wastewater discharge information, projected future wastewater flows, and capital improvement plans. In reviewing the requested amendment, the District's governing board shall consider, among other factors, whether the local wastewater provider's requested amendment includes returning, where feasible, highly treated wastewater to Allatoona Lake, Lake Lanier and their tributaries.</p>			X (Allatoona and Lanier Only)	Current Requirement
ACTION ITEM Integrated-14: Encouraging the Return of Highly Treated Wastewater to the Chattahoochee and Flint					
Integrated-14	<p><u>Chattahoochee and Flint wastewater providers only:</u></p> <p>Consider, where feasible, returning any water sourced from the Chattahoochee River Basin below Buford Dam or Upper Flint River Basin as highly treated wastewater to these basins when making future decisions regarding wastewater treatment plants and related sewer lines, pump stations and other conveyance infrastructure.</p>				
Integrated-14.1	<p>Ensure that treatment capacity developed by the local wastewater provider and permitted wastewater discharges are consistent with the projected wastewater treatment capacities and wastewater discharges included in this Plan (as it may be amended from time to time).</p>			X (Chattahoochee and Flint Only)	Current Requirement
Integrated-14.2	<p>If due to changed circumstances or an increase in projected wastewater flows compared to what is included in this Plan a local wastewater provider plans to (a) increase its wastewater treatment capacity by building a new or expanded wastewater treatment plant, (b) change the location of a currently permitted wastewater discharge to a new location outside of the river basin from which the water was sourced or (c) enter into a new or expanded intergovernmental agreement to send wastewater flows to another local wastewater provider - then the local wastewater provider shall request an amendment to this Plan reflecting such changes. Any requested amendment must be approved by the District prior to Georgia EPD issuing the requested permit.</p>			X (Chattahoochee and Flint Only)	Current Requirement
Integrated-14.3	<p>Any local wastewater provider seeking an amendment to this Plan as described above in Subtask 2 shall meet with staff for the District and provide any information necessary to support an amendment to this Plan. Such information may include, but is not limited to, current wastewater discharge information, projected future wastewater flows, and capital improvement plans. In reviewing the requested amendment, the District's governing board shall consider, among other factors, whether the local wastewater provider's requested amendment includes returning, where feasible, highly treated wastewater to the Chattahoochee River Basin below Buford Dam and Upper Flint River Basin.</p>			X (Chattahoochee and Flint Only)	Current Requirement
ACTION ITEM WSWC-1: Water Conservation Program					
WSWC-1	<p>Provide sufficient funding and staffing to implement the required water conservation measures in this Plan.</p>				

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
WSWC-1.1	Provide for sufficient funding to implement the required water conservation measures in this Plan; funding levels will vary from jurisdiction to jurisdiction.	X	X		Current Requirement
WSWC-1.2	Provide for dedicated, conservation-focused staffing to implement the required water conservation measures in this Plan; staffing levels will vary from jurisdiction to jurisdiction.	X	X		Current Requirement
ACTION ITEM WSWC-2: Conservation Pricing					
WSWC-2	Implement water conservation pricing rate structures as a means to reduce discretionary water use.				
WSWC-2.1	Institute a minimum three-tiered water conservation pricing schedule for single-family residential customers.		X		Current Requirement
WSWC-2.2	Determine appropriate rates for commercial, multi-family, industrial and institutional categories that encourage conservation by reducing discretionary water use.		X		Current Requirement
WSWC-2.3	If irrigation meters are allowed, develop an irrigation meter pricing schedule that recognizes the impact on peak demand from irrigation. The irrigation rate should be significantly higher than the rate for indoor use. At a minimum, the rate for irrigation use by all customer classes should be equal to or greater than 200 percent of the first tier rate for single-family residential customers.		X		Current Requirement
WSWC-2.4	Review and adjust pricing schedule to respond to changes in demand and ensure sufficient operation and maintenance funds are available on an as needed basis.		X		Current Requirement
ACTION ITEM WSWC-3: Billing Cycles and Billing System Functionality					
WSWC-3	Implement billing systems that communicate usage with customers, bill on a monthly basis and provide regionally consistent water consumption data.				
WSWC-3.1	Sub-divide customers into the following minimum principal customer categories where appropriate: single family residential, multi-family residential, commercial, industrial and institutional.		X		Current Requirement
WSWC-3.2	Bill monthly to allow customers to track water use more effectively.		X		Current Requirement
WSWC-3.3	Provide historical and current data on bills and when customers pay online.		X		Current Requirement
WSWC-3.4	Clearly identify the billing units, with preference given towards gallon-based units. Most customers are familiar with gallons as a unit of measure and less familiar with other units.		X		Current Requirement
WSWC-3.5	Include explanation of conservation pricing to customers on their bills or a link on their bills to such information on the website.		X		Current Requirement
ACTION ITEM WSWC-4: Private Fire Lines Metering Requirement					
WSWC-4	Adopt an ordinance or policy to meter private fire lines supplying commercial buildings to identify avoidable system leakage and non-fire related water consumption.				

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
WSWC-4.1	Adopt an ordinance or policy by January 1, 2019 to require private fire lines supplying all new commercial buildings to have full flow meters or double detector checks.		X		1/1/2019
WSWC-4.2	Adopt an ordinance or policy by January 1, 2019 to require private fire lines supplying any commercial building that is undergoing a substantial renovation to have full flow meters or double detector checks.		X		1/1/2019
WSWC-4.3	Incorporate these private fire line metering requirements by January 1, 2019 into the development review process.		X		1/1/2019
ACTION ITEM WSWC-5: AMI Benefit and Feasibility Studies					
WSWC-5	Evaluate the improvement of customer metering technologies to improve accuracy, notify customers of suspected leaks, enhance customer service and provide other benefits. This includes metering technology with the capability to store hourly readings (or more frequently) and transmit these readings daily to the local water provider, which is known as AMI.				
WSWC-5.1	Except for those local water providers that have already completed or are currently installing AMI system-wide or that have completed an AMI pilot program pursuant to Action Item 5.15 of the 2009 Plan (as amended), all other local water providers shall conduct a system-specific study by December 31, 2018 on the benefits and feasibility of the system-wide installation of AMI.		X		12/31/2018
WSWC-5.2	If a local water provider determines that such system-specific study has shown that system-wide implementation is feasible and yields sufficient benefits, then develop a plan, schedule and budget to implement AMI system-wide.		X		Current Requirement
WSWC-5.3	If a local water provider has already completed or is installing AMI system-wide whether based on a pilot program or benefits and feasibility study, then implement a program to identify, notify and track customers with continuous usage, if not already completed.		X		Current Requirement
ACTION ITEM WSWC-6: Toilet Replacement Program					
WSWC-6	Implement a program to replace older, inefficient toilets with WaterSense labeled high-efficiency toilets in single- and multi-family homes.				
WSWC-6.1	Establish a program to replace 3.5 gpf or greater toilets in single- and multi-family homes constructed prior to 1994 with high-efficiency WaterSense labeled toilets.		X		Current Requirement
WSWC-6.2	Provide information on opportunities to recycle any toilet being discarded pursuant to the toilet replacement program by linking to the Metro Water District website or other local resources.		X		Current Requirement
ACTION ITEM WSWC-7: High-Efficiency Toilets and Urinals in Government Buildings					
WSWC-7	Replace toilets using 3.5 gpf or more and urinals using 1.0 gpf or more with WaterSense labeled high-efficiency toilets and urinals in local government buildings.				

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
WSWC-7.1	Develop a written list for all remaining buildings owned by the local water provider and local government (excluding buildings owned by the local public school system, sheriff's office or tax commissioner's office) that still have toilets using 3.5 gpf or more and urinals using more than 1.0 gpf by January 1, 2018.	X	X		1/1/2018
WSWC-7.2	Develop a retrofit schedule and funding mechanism to replace all the inefficient toilets and urinals in the buildings on the retrofit list by January 1, 2020 with high-efficiency WaterSense labeled toilets and urinals.	X	X		1/1/2020
WSWC-7.3	Replace all the inefficient toilets and urinals in the buildings on the retrofit list by January 1, 2020; based on the 2009 Plan, local government and local water providers should be able to show that this retrofitting is underway.	X	X		1/1/2020
WSWC-7.4	For all buildings owned by the local public school system, sheriff's office or tax commissioner's office, the local water provider serving these buildings shall coordinate regarding these buildings with the appropriate elected officials and staff to perform each of the subtasks above with a target start date for retrofits of January 1, 2019 and completion date of January 1, 2025.	X	X		1/1/2019
ACTION ITEM WSWC-8: Commercial Water Use Assessments					
WSWC-8	Develop or participate in a commercial water use assessment program that targets highest commercial customers or other groups of commercial customers that may have significant water savings potential.				
WSWC-8.1	Target highest commercial customers, or other groups of commercial customers identified by the local water provider that may have significant water savings potential, and advertise water use assessment program.		X		Current Requirement
WSWC-8.2	Establish a program or participate in the District's regional program to conduct water use assessments with interested commercial customers and report results with recommendations to these customers with cost-beneficial water conservation measures.		X		Current Requirement
ACTION ITEM WSWC-9: Pre-Rinse Spray Valve Replacement Program					
WSWC-9	Implement a replacement program for pre-rinse spray valves in food preparation facilities.				
WSWC-9.1	Develop a program to replace older pre-rinse spray valves with EPA WaterSense certified models.		X		Current Requirement
WSWC-9.2	Use the Metro Water District's outreach material or other media in a targeted effort to recruit food preparation facilities for this program.		X		Current Requirement
WSWC-9.3	Track the number of pre-rinse spray valve replacements made annually.		X		Annual Requirement
ACTION ITEM WSWC-10: Outdoor Water Requirements for Large Landscapes					

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
WSWC-10	Each local water provider shall adopt an ordinance or policy by January 1, 2019 requiring all new irrigation systems for large landscapes (greater than one acre or 43,560 square feet and excluding single-family homes) to include: <ul style="list-style-type: none"> • Pressure regulators and master shut-off valves • Flow sensors that detect and report high flow conditions due to broken pipes and/or popped sprinkler heads 		X		1/1/2019
ACTION ITEM WSWC-11: State Water Conservation and Drought Response Requirements					
WSWC-11	Continue adopting, implementing and complying with existing state laws related to water conservation and drought response.				
WSWC-11.1	Adopt and implement the Georgia State Minimum Standard Plumbing Code that requires high-efficiency plumbing fixtures in all new construction.	X			Current Requirement
WSWC-11.2	Implement existing Georgia state law requiring that new irrigation systems in the Metro Water District be installed with a rain shutoff sensor.	X			Current Requirement
WSWC-11.3	Coordinate with and provide support to the local water provider as necessary to implement all responsibilities pursuant to the Drought Management Rule, and if any inconsistencies are identified, then update such plans to ensure they are consistent with the Drought Management Rule.	X			Current Requirement
WSWC-11.4	Adopt and implement an ordinance or policy to measure the use of each unit in new multi-unit residential, retail and light industrial buildings based on the measured quantity of water used by each unit, as required by and subject to the exceptions in O.C.G.A. § 12-5-180.1.		X		Current Requirement
WSWC-11.5	Comply with water conservation plan and drought contingency plan prepared in connection with any application for a new or modified surface or ground water withdrawal permit. See Georgia Rules and Regulations, Chapter 391-3-6-.07(4)(b)(8) and (9) and 391-3-2-.04(11).		X		Current Requirement
WSWC-11.6	Review the water conservation plan and drought contingency plan for consistency with the Drought Management Rule, and if any inconsistencies are identified, then update such plans to ensure they are consistent with the Drought Management Rule.		X		Current Requirement
WSWC-11.7	Coordinate with and request support from local government(s) as necessary to implement all responsibilities under the drought management rule, including applicable drought response strategies under drought response level 1, 2, 3 or 3 plus pursuant to the Drought Management Rule (Georgia Rules and Regulations, Chapter 391-3-30).		X		Current Requirement
ACTION ITEM WSWC-12: Require New Car Washes to Recycle Water					
WSWC-12	Each local government shall adopt an ordinance that requires all new conveyor car washes to install operational recycled water systems. A minimum of 50 percent of water used must be recycled.	X			Current Requirement

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
ACTION ITEM WSWC-13: Water Waste Policy					
WSWC-13	Each local government shall adopt a water waste ordinance or policy to reduce outdoor water waste.	X			Current Requirement
ACTION ITEM WSWC-14: Water System Asset Management					
WSWC-14	Develop an asset management program that ensures proper management of the water system.				
WSWC-14.1	Develop a map of the water distribution system and assets. All local water providers shall develop digital GIS water system mapping by January 1, 2021.		X		1/1/2021
WSWC-14.2	Develop a written asset management program to prioritize and implement activities to inspect, maintain and rehabilitate the local water system components.		X		Current Requirement
ACTION ITEM WSWC-15: Water Loss Control and Reduction					
WSWC-15	Develop and implement program to identify and reduce real water losses.				
WSWC-15.1	Comply with Georgia EPD's Water Supply Efficiency Rule (see Georgia Rules and Regulations, Chapter 391-3-33 and any related guidance that may be issued from time to time [the "Water Supply Efficiency Rule"], including but not limited to the requirements for water loss audits, reporting and demonstration of progress.		X		Current Requirement
WSWC-15.2	Track key metrics from the AWWA water audit annually as required by the Georgia Water Stewardship Act and the Water Supply Efficiency Rule.		X		Annual Requirement
WSWC-15.3	For each local water provider with density greater than 32 connections per mile of main and real losses above 60 gallons per day per connection (based on 2013 water loss audit results), adopt a 2025 goal to reduce real losses to less than 60 gallons per day per connection and demonstrate progress in the interim years toward meeting this goal. Systems that achieve this goal prior to 2025 should continue cost-effective water loss controls and initiate progress toward 35 gallons per day per connection.		X		Current Requirement
WSWC-15.4	For each local water provider with density greater than 32 connections per mile of main and real losses are between 35 and 60 gallons per day per connection (based on 2013 water loss audit results), adopt a 2025 goal to reduce real losses to less than 35 gallons per day per connection and demonstrate progress in the interim years towards meeting this goal. Systems that achieve this goal prior to 2025 should continue cost-effective water loss controls by setting new individualized goals and demonstrating progress as required by the Water Supply Efficiency Rule.		X		Current Requirement
WSWC-15.5	If a local water provider required to adopt a target pursuant to Sub-Tasks (3) and (4) above reasonably believes after detailed analysis that the applicable 2025 goal exceeds its system-specific economic level of leakage, then the local water provider may send a notice to the District Chairperson by no later than July 1, 2018 establishing a new 2025 goal. See implementation guidance below for details on this notice.		X		7/1/2018

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
ACTION ITEM WSWC-16: Local Public Education Program					
WSWC-16	Develop and implement a local water efficiency and conservation education program.				
WSWC-16.1	Implement education activities as outlined in Action Item PUBLIC EDUCATION-1.		X		Current Requirement
WSWC-16.2	Distribute high-efficiency retrofit kits to residential water customers.		X		Current Requirement
WSWC-16.3	Provide residential water assessment information to residential water customers.		X		Current Requirement
WSWC-16.4	Promote the EPA WaterSense New Homes program.		X		Current Requirement
WSWC-16.5	Provide information on water efficient landscape practices to residential water customers.		X		Current Requirement
ACTION ITEM WW-1: Enhanced Reliability of Wastewater Pumping Stations					
WW-1	Enhance reliability of wastewater pumping stations by further clarifying backup power requirements.				
WW-1.1	Maintain a file of the firm capacity of all pump stations within the wastewater master plan (see Action Item INTEGRATED-4).			X	1/1/2021
WW-1.2	For all newly constructed major (one MGD or greater firm capacity) wastewater pump stations, or those receiving an upgrade to a firm capacity of one MGD or greater, provide a dedicated secondary power supply, emergency generator(s) or dedicated stand-by pumping system to allow continued firm pumping capacity with the primary power supply out of service.			X	1/1/2021
WW-1.3	For wastewater pump stations with firm capacity less than one MGD without a dedicated secondary power supply or emergency generator, provide, at a minimum, to enhance reliability: a. Backup power connection via an emergency generator receptacle b. Availability of a portable utility-owned or rental generator c. Quick connections for a stand-by pumping system d. Availability of a portable utility owned or rental pumps or an overflow basin sized for at least 24-hour overflow protection under maximum month average daily flow conditions			X	1/1/2021
WW-1.4	Compliance with this action item shall be achieved by January 1, 2021.			X	1/1/2021
ACTION ITEM WW-2: Sewer System Inventory and Mapping					

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
WW-2	For wastewater providers who do not have an approved CMOM with Georgia EPD, develop and maintain a digital sewer system map based on a survey and inventory of the sewer system.				
WW-2.1	Determine a sewer system mapping strategy. Outline a plan, schedule, and budget for sewer system mapping.			X	Current Requirement
WW-2.2	Collect field data for sewer system database development, possibly in an electronic form.			X	Current Requirement
WW-2.3	Create a sewer system map based on the database. All wastewater utilities shall develop digital GIS sewer system mapping by January 1, 2021.			X	1/1/2021
WW-2.4	Update sewer system maps periodically to include sewer system extensions and rehabilitation projects.			X	Current Requirement
WW-2.5	Identify critical infrastructure based on risk and consequence of failure.			X	Current Requirement
ACTION ITEM WW-3: Sewer System Maintenance Management					
WW-3	For wastewater providers who do not have an approved CMOM with Georgia EPD, develop and implement a Computerized Maintenance Management System (CMMS) and standard operating procedures (SOPs) for maintenance management of collection system components, including pump stations and linear assets.				
WW-3.1	Select a CMMS and purchase any necessary hardware.			X	Current Requirement
WW-3.2	Establish SOPs for maintenance management.			X	Current Requirement
WW-3.3	Implement a CMMS and SOPs.			X	Current Requirement
ACTION ITEM WW-4: Sewer System Inspection Program					
WW-4	For wastewater providers who do not have an approved CMOM with Georgia EPD, maintain a sanitary sewer system inspection program that determines the condition of the sanitary sewer system and identifies any needed maintenance and rehabilitation activities.				
WW-4.1	Establish standard inspection and condition assessment procedures and cleaning protocols.			X	Current Requirement
WW-4.2	Execute these programs to document condition of existing assets at least once per decade or as recommended by the utility's asset management program based on criticality.			X	Once every 10 years
ACTION ITEM WW-5: Sewer System Rehabilitation Program					

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
WW-5	For wastewater providers who do not have an approved CMOM with Georgia EPD, prioritize rehabilitation projects based on risk and consequence of failure. Budget and execute capital projects to rehabilitate existing infrastructure and document completed projects and effect on I/I reduction where applicable.				
WW-5.1	Prioritize rehabilitation projects and document the priority list.			X	Current Requirement
WW-5.2	Develop implementation plan for rehabilitation projects based on budget schedule, and staffing.			X	Current Requirement
WW-5.3	Implement a program to rehabilitate infrastructure based on schedule and budget for critical infrastructure.			X	Current Requirement
WW-5.4	Include rehabilitation needs as part of the annual planning and budget process.			X	Current Requirement
WW-5.5	Document the rehabilitation performed in the asset management program and its beneficial effects of I/I on the sewer system where applicable.			X	Current Requirement
ACTION ITEM WW-6: Capacity Certification Program					
WW-6	For wastewater providers who do not have an approved CMOM with Georgia EPD, maintain a program and process for certifying wastewater collection system capacity for new development and redevelopment projects.				
WW-6.1	Maintain a flow and rainfall monitoring program to support the hydraulic modeling and capacity certification program.			X	Current Requirement
WW-6.2	Maintain a hydraulic model to determine available capacity.			X	Current Requirement
WW-6.3	Determine system capacity.			X	Current Requirement
WW-6.4	Maintain procedures for certifying available capacity.			X	Current Requirement
WW-6.5	Certify availability of capacity for proposed developments.			X	Current Requirement
WW-6.6	Develop and implement procedures to coordinate with the local wastewater provider at the determined level of the planning/development review process.	X			Current Requirement
ACTION ITEM WW-7: Grease Management Program					
WW-7	For wastewater providers who do not have an approved CMOM with Georgia EPD, implement and maintain a grease management program, including procedures for grease control and enforcement, inspection and tracking of grease traps and permitting and inspection of grease trap hauling trucks.				

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
WW-7.1	Establish an ordinance or policy regulating the grease traps and discharges from industrial, institutional and commercial facilities.	X		X	Current Requirement
WW-7.2	Establish an enforcement program.	X		X	Current Requirement
WW-7.3	Develop written methods and procedures for preventing and controlling discharges of grease from industrial, institutional and commercial facilities.	X		X	Current Requirement
WW-7.4	Develop an inspection and tracking methodology.	X		X	Current Requirement
WW-7.5	Develop an inspection and permitting program for trucks used to pump grease traps or delegate inspection responsibilities to a designee.	X		X	Current Requirement
ACTION ITEM WW-8: Sewer System Overflow Emergency Response Program					
WW-8	For wastewater providers who do not have an approved CMOM with Georgia EPD, maintain a sewer system overflow emergency response program, including updating SOPs, as necessary, and executing existing programs to respond and provide notifications.				
WW-8.1	Review SSO emergency response program to ensure local response program complies with Federal and State requirements.			X	Current Requirement
WW-8.2	Update and add SOPs to ensure proper response to overflow.			X	Current Requirement
ACTION ITEM WW-9: Sewer System Inspection and Maintenance Training					
WW-9	For wastewater providers who do not have an approved CMOM with Georgia EPD, maintain a staff training program for sewer system inspection and maintenance.				
WW-9.1	Review status of existing staff certification and continuing training credits to ensure they meet State requirements under the Wastewater Collection System Operator license.			X	Current Requirement
WW-9.2	Schedule additional training as needed for new or existing personnel.			X	Current Requirement
ACTION ITEM WW-10: Local Public Education Program					
WW-10	Develop and implement a local public education program on wastewater topics.				
WW-10.1	Implement education activities as outlined in Action Item PUBLIC EDUCATION-1.			X	Current Requirement
WW-10.2	Direct at least one public education activity to address the proper disposal of fats, rags, oil and grease.			X	Current Requirement
ACTION ITEM Watershed-1: Post-Development Stormwater Management					

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Watershed-1	Adopt a post-development stormwater management ordinance, a local design manual and a site plan development plan review and inspection process to address post-development stormwater management.				
Watershed-1.1	Adopt the Metro Water District Model Post-Development Stormwater Management Ordinance for New Development and Redevelopment Ordinance or an equivalent ordinance at least as effective, based on the guidance in the latest Georgia Stormwater Management Manual (GSMM) and MS4 permit as applicable.	X			Current Requirement
Watershed-1.2	Adopt and implement site plan reviews for development plans based on the GSMM or equivalent local design manual.	X			Current Requirement
Watershed-1.3	Require maintenance agreements on all new post-construction stormwater facilities, including local inspections.	X			Current Requirement
Watershed-1.4	Develop a site development plan review and inspection process and checklist(s) that lists stormwater and watershed management related requirements.	X			Current Requirement
ACTION ITEM Watershed-2: Construction Erosion and Sedimentation Control					
Watershed-2	Comply with the requirements of the Georgia Erosion and Sedimentation Act (GESA).				
Watershed-2.1	<u>Communities that do not have Local Issuing Authority (LIA) status through Georgia EPD</u> must ensure that local public projects are properly permitted with Georgia EPD. Efforts will be employed to ensure that locally funded projects comply with all erosion and sedimentation control requirements.	X			Current Requirement
Watershed-2.2	<p><u>Communities that have LIA status</u> are to review, inspect and enforce erosion and sedimentation control requirements at the local level, including:</p> <p>a. Educate applicants of the Notice of Intent requirement under the NPDES Construction Permit and ensure the mandatory fee per disturbed acre is collected as described in the Notice of Intent. Plans must be submitted to the local Soil and Water Conservation District for review and approval prior to issuing a land disturbance permit, unless a memorandum of understanding has been signed by the LIA, the local Soil and Water Conservation District, and the Georgia SWCC which allows the LIA to conduct in-house reviews.</p> <p>b. Ensure that erosion and sedimentation control measures are properly designed, installed and maintained.</p> <p>c. Verify that site personnel involved with the project are certified to perform land disturbance activities; verification can be checked on the Georgia SWCC website.</p> <p>d. Identify deficiencies and take enforcement actions where necessary.</p>	X			Current Requirement
ACTION ITEM Watershed-3: Floodplain Management					

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Watershed-3	Adopt a floodplain management and flood damage prevention ordinance, develop and maintain floodplain maps, and incorporate ordinance review and enforcement procedures into development plan reviews.				
Watershed-3.1	Adopt the Model Floodplain Management/Flood Damage Prevention Ordinance, or an equivalent ordinance at least as effective.	X			Current Requirement
Watershed-3.2	Make revisions to local plan review processes and procedures to incorporate the model ordinance or other regulations.	X			Current Requirement
Watershed-3.3	For all streams with drainage areas greater than 100 acres, delineate and map the 100-year future-conditions floodplain and update floodplain maps as needed. For streams that drain 100 to 640 acres (one square mile), communities may choose to delineate future condition maps or require developers to delineate future conditions on a site by site basis. Delineating future floodplain boundaries for streams that drain greater than 640 acres are always the responsibility of the local government. Georgia EPD provides additional guidance regarding Floodplain Management on their website.	X			Current Requirement
Watershed-3.4	Incorporate future floodplain mapping into development review procedures and regulate development based on the future-conditions floodplain maps, as available.	X			Current Requirement
ACTION ITEM Watershed-4: Stream Buffer Protection					
Watershed-4	Adopt a stream buffer protection ordinance and incorporate review and enforcement procedures into development plan reviews.				
Watershed-4.1	Adopt the Metro Water District Model Stream Buffer Protection Ordinance, or an equivalent ordinance or other regulation at least as effective.	X			Current Requirement
Watershed-4.2	Incorporate compliance with this ordinance into development review and inspection procedures.	X			Current Requirement
ACTION ITEM Watershed-5: Illicit Discharge Detection and Elimination (IDDE) Program					
Watershed-5	Adopt an ordinance and develop and implement a local program to address illicit discharges and illegal connections to the stormwater system.				
Watershed-5.1	Adopt the Metro Water District Model Illicit Discharge and Illegal Connection Ordinance, or an equivalent ordinance or other regulation at least as effective	X			Current Requirement
Watershed-5.2	For MS4 permittees only: Develop an IDDE program with inspection and enforcement procedures consistent with Phase I and II MS4 permits or Communities without an MS4 permit: Follow methods in the Metro Water District Standards and Methodologies for Surface Water Monitoring	X			Current Requirement

Metropolitan North Georgia Water Planning District

Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Watershed-5.3	Incorporate an enforcement process into development review procedures.	X			Current Requirement
ACTION ITEM Watershed-6: Litter Control					
Watershed-6	Adopt a litter control ordinance.				
Watershed-6.1	Adopt the Metro Water District Model Litter Control Ordinance, or an equivalent ordinance or other regulation that is at least as effective.	X			Current Requirement
Watershed-6.2	Develop inspection, violation and enforcement procedures based on the ordinance or equivalent regulation.	X			Current Requirement
ACTION ITEM Watershed-7: Promoting a Green Infrastructure Approach					
Watershed-7	Implement development and land use policies or practices to encourage the protection of greenspace and/or the use of green infrastructure within the community.				
Watershed-7.1	<p>Each local government shall select and implement one or more of the following options that go above and beyond current MS4 requirements to address growth management for the protection of water resources by encouraging protection of open space and greenspace and use of green infrastructure:</p> <ol style="list-style-type: none"> 1. Adopt protective ordinances or other local mechanisms to preserve open space and greenspace for watershed protection while accommodating development. 2. Develop and adopt a formalized Greenspace or Green Infrastructure Plan. 3. Identify impediments and barriers to the use of the green infrastructure and greener approaches to growth consistent with MS4 permit requirements for Phase I and II communities with a population greater than 10,000. Evaluate local building codes, ordinances and other regulations and provisions for potential barriers. Identify opportunities to promote the use of infiltration, reuse and evapotranspiration. <p style="text-align: center;">or</p> <ol style="list-style-type: none"> 4. Develop a green infrastructure program that evaluates the feasibility and applicability of different green infrastructure and low impact development practices, develops an inventory of these practices within the community and establishes inspection procedures and responsibility for green infrastructure in a manner consistent with MS4 permit requirements. 	X			Current Requirement
ACTION ITEM Watershed-8: Watershed Improvement Projects					
Watershed-8	Identify substantially-impacted watersheds and implement WIPs to address impaired waters.				

Metropolitan North Georgia Water Planning District

Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Watershed-8.1	Identify substantially-impacted watersheds based on local criteria and the Georgia EPD 303(d) list of impaired streams.	X			Current Requirement
Watershed-8.2	Prioritize impaired watersheds for retrofit and restoration activities that can be conducted as WIPs as a part of a Watershed Improvement Plan.	X			Current Requirement
Watershed-8.3	Incorporate WIPs into the local Capital Improvement Plan list and develop implementation schedule.	X			Current Requirement
Watershed-8.4	Design and construct WIPs based on local implementation schedule as budgets and resources allow.	X			Current Requirement
ACTION ITEM Watershed-9: Ongoing Stormwater System Management					
Watershed-9	Conduct ongoing management of stormwater infrastructure to ensure effective functioning and watershed protection.				
Watershed-9.1	Develop a stormwater infrastructure inventory, including: a. Establishment of data objectives and requirements and a data collection schedule b. Development of an inventory and map of the public stormwater system c. Maintenance and updating of inventory data as required	X			Current Requirement
Watershed-9.2	Develop an extent and level of service policy.	X			Current Requirement
Watershed-9.3	Develop a stormwater systems inspections program.	X			Current Requirement
Watershed-9.4	Develop a stormwater maintenance program.	X			Current Requirement
Watershed-9.5	Establish pollution prevention /good housekeeping for local operations, including: a. Identification of public facilities and activities with pollution potential b. Development of practices and procedures to prevent pollution	X			Current Requirement
ACTION ITEM Watershed-10: Long-term Ambient Trend Monitoring					
Watershed-10	Perform long-term trend water quality monitoring program that includes permanent, representative stations, as well as monitoring of 303(d) listed stream segments for the parameters of concern.				

Metropolitan North Georgia Water Planning District

Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Watershed-10.1	<p>Monitor permanent representative stations. Develop and implement a long-term monitoring plan consistent with any one of the following three options:</p> <p>a. Georgia EPD-approved Watershed Protection Plan</p> <p>b. Other plan that is consistent with the Metro Water District Standards and Methodologies for Surface Water Monitoring with the exception of bacteria (which are addressed in Sub-Task #2 below). For local governments without a Georgia EPD-approved Watershed Protection Plan, the sampling of the following precipitation events and frequencies are required:</p> <ul style="list-style-type: none"> • A total of six events annually for wet weather monitoring: minimum of three wet weather samples during each of the summer and winter seasons (May-Oct, Nov-April) • A total of two events annually for dry weather monitoring: minimum of one dry weather sample during each of the summer and winter seasons (May-Oct, Nov-April) <p>or</p> <p>c. Establish an MOA or MOU with another jurisdiction that will conduct monitoring on behalf of your community. Local governments that have an established MOA or MOU with another jurisdiction that holds a Georgia EPD-approved Watershed Protection Plan should monitor, at a minimum, per the MOA or MOU.</p>	X			Current Requirement

Metropolitan North Georgia Water Planning District

Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Watershed-10.2	<p>Monitor 303(d) representative stations. Develop and implement a TMDL monitoring plan for 303(d) listed stream segments, with the exception of impaired biota (see Note), using any one of the following four options:</p> <p>a. Georgia EPD-approved Impaired Waters Monitoring and Implementation Plan (IWP) associated with an MS4 permit</p> <p>b. Plan that is consistent with the Metro Water District Standards and Methodologies for Surface Water Monitorings for waterbodies with 303(d) listings in a local community</p> <p>c. Georgia EPD-approved Sampling Quality Assurance Plan (SQAP), which is a requirement for data submitted for 305(b)/303(d) listing or delisting of waterbodies. A local government may have developed a SQAP in association with an IWP or for another purpose. It may be developed for a specific stream segment or broader use.</p> <p>d. Establishment of an MOA or MOU with another local government that will conduct monitoring on your behalf. Note that this option is available to local governments that may not have a Georgia EPD-approved Watershed Protection Plan or provide wastewater services, if these communities are coordinating with another local government that has a Georgia EPD-approved Watershed Protection Plan where the service area includes both jurisdictions.</p>	X			Current Requirement
Watershed-10.3	Track data annually to identify changes and conduct a more detailed analysis every three to five years to identify long-term trends, successes and potential WIPs (see Action Item WATERSHED-8).	X			Annual Requirement
Watershed-10.4	After the Metro Water District establishes a reporting process, submit data annually to the District using the electronic Watershed Assessment Data Reporting Template from Georgia EPD. As of the publication of this Plan, the Metro Water District has not yet established this process.	X			Annual Requirement
ACTION ITEM Watershed-11: Macroinvertebrate Bioassessment					
Watershed-11	Perform benthic macroinvertebrate and habitat monitoring of wadeable streams at permanent representative stations.				

Metropolitan North Georgia Water Planning District
Reference Sheet - Action Items by Responsible Party

Action Item		Responsible Party			Implementation Schedule
		Local Government	Water Provider	Wastewater Provider	
Watershed-11.1	<p>Select permanent representative macroinvertebrate bioassessment stations. Develop and implement a long-term monitoring plan that fulfills any of the following three options:</p> <p>a. Georgia EPD-approved Watershed Protection Plan</p> <p>b. Other plan that is consistent with the most recent Georgia EPD Macroinvertebrate Bioassessment Standard Operating Procedures. For local governments without a Georgia EPD-approved Watershed Protection Plan, habitat and biological monitoring shall be conducted at all permanent representative stations that are monitored for Action Item WATERSHED-10.</p> <p>or</p> <p>c. Establishment of an MOA or MOU with another local government that will conduct monitoring on your behalf. Note that this option is available to local governments who may not have a Georgia EPD-approved Watershed Protection Plan or provide wastewater services, if these local governments are coordinating with another local government that has a Georgia EPD-approved Watershed Protection Plan where the service area includes both jurisdictions.</p>	X			Current Requirement
Watershed-11.2	Track data during each sampling event to identify changes and conduct a more detailed analysis every three to five years to identify long-term trends, successes and potential WIPs (see Action Item WATERSHED-8)	X			Every 5 years
Watershed-11.3	After the Metro Water District establishes a reporting process, submit data annually to the Metro Water District using the electronic Watershed Assessment Data Reporting Template from Georgia EPD. As of the publication of this Plan, the Metro Water District has not yet established this process.	X			Annual Requirement
ACTION ITEM Watershed-12: Local Public Education Program					
Watershed-12	Each local government shall develop and implement a local public education program that addresses watershed protection, stormwater issues and prevention of nonpoint source pollution in compliance with Action Item PUBLIC EDUCATION-1.	X			Current Requirement