

Metropolitan North Georgia Water Planning District
Amendments to the Water Supply and Water Conservation
Management Plan
(through December 6, 2007)

Amendment #1 (02/02/2006)

Page 8-2 – Replace with the following:

Water Conservation Action No. 2 Replace older, inefficient plumbing fixtures - To speed the conversion of older, inefficient plumbing fixtures towards current lower flow models, local water providers will be required to implement a program targeting the replacement of older plumbing fixtures. Low flow fixtures are defined according to current code standards. In order to provide flexibility, the water providers can choose a program as they see fit. The program requirements are as follows:

1. Local water providers should identify single and multifamily residences and commercial buildings that contain older pre-1993 plumbing fixtures. This assessment should take into account the natural replacement rate from remodeling of older homes.
2. Local water providers should develop a strategy to distribute, install, or provide incentive to replace higher flow fixtures on accounts owning pre-1993 built structures. The program must specifically address toilet replacement rather than provide toilet retrofit devices. Examples of such programs include:
 - a. Direct install program – Customer exchanges older toilet for a low- flow toilet with discounted or free installation through the local water provider.
 - b. Rebate incentive program – Customer receives a credit to water bill, cash, or voucher offsetting the cost for a new low-flow toilet.
 - c. Other – Any program that provides at least the same rate of replacement as the above examples. Water provider must document exchange rate.
3. The timing of the program implementation should coincide with the water providers water supply needs. An assessment of service area pre-1993 plumbing fixtures and selection of a program should be completed by 2008. Depending on the selected program, the utility should establish a schedule for implementation and set benchmarks accordingly. For all programs, implementation should begin no later than 2010. Information on this measure should be integrated with other plan public awareness and education implementation.

Schedule Change

Page 17-2 – Replace Water Conservation Action No. 2 with the following schedule:

Year 1-2004	Year 2-2005	Year 3-2006	Year 4-2007	Year 5-2008	2009-2030
Water Conservation Action No. 2: Replace older, inefficient plumbing fixtures					
LOCAL UTILITIES					
		Assessment of older fixtures, Choose replacement approach			Begin Program

Other Related Text Changes

Pages ES-12 and 2-8 – Delete the second bullet and replace with the following:

“Implement a plumbing fixture replacement program”

Page 5-17 – Delete the second paragraph and replace with the following:

“Replace older, inefficient plumbing fixtures - To speed the conversion of older, inefficient plumbing fixtures towards current lower flow models, local water providers will be required to implement a program targeting the replacement of older plumbing fixtures. Low flow fixtures are defined according to current code standards.”

Page 13-1 – Delete Legislative Action No. 1

Page 16-4 – Delete “on resale” in second bullet

Page 16-8 – Delete “and realty companies that need to understand retrofit on resale requirement” in second bullet

Page 16-9 – Delete “retrofit on resale” in last sentence

Amendment #2 (02/02/2006)

Page 8-3 – Replace with the following:

Water Conservation Action No. 3 Require pre-rinse spray valve retrofit education program. To speed the installation of low-flow pre-rinse spray valves in food preparation establishments, an intensive education program is needed to promote the replacement of these devices. The program needs to target food service establishments, including grocery stores, restaurants, cafeterias, and institutional housing facilities. Municipal operations should retrofit these valves as an example to the private sector. District staff should provide educational brochures to be distributed throughout the area by the local governments. In conjunction with grease trap inspections, inspectors should

also provide this information and encourage retrofit. Another option of implementation is to establish a rebate or direct install incentive program.

The local governments should inventory all existing foods service establishments and distribute educational information no later than January 2009.

Schedule Change

Page 17-2 – Replace Water Conservation Action No. 3 with the following schedule:

Year 1-2004	Year 2-2005	Year 3-2006	Year 4-2007	Year 5-2008
Water Conservation Action No. 3: Implement a pre-rinse spray-valve retrofit education program				
DISTRICT				
		Develop educational brochure		
LOCAL UTILITIES				
		Inventory of food service establishments		Distribute educational materials

Other Related Text Changes

Pages ES-12 and 2-8 – Replace the third bullet with the following:

Conduct a pre-rinse spray valve retrofit education program

Page 5-19 – Replace the first paragraph with the following: “

Require pre-rinse spray valve retrofit education program. To speed the installation of low-flow pre-rinse spray valves in food preparation establishments, an intensive education program is needed to promote the replacement of the devices.

Page 13-1 – Delete Legislative Action No. 2

Page 16-4– Replace the third bullet with the following:

Implement a pre-rinse spray valve retrofit education program

Amendment #3 (02/02/2006)

Page 8-3 – Replace with the following:

Water Conservation Action No.5 - Require sub-unit meters in new multi-family buildings. Local ordinances or policy should be adopted to require that all new multi-family buildings (i.e. apartments, town homes, condominiums) be built with either individual water utility owned meters on each unit or sub-unit meters owned and managed by the property owner with a utility owned master meter. Water service would be based on volume of use. Local ordinances for this purpose are authorized by the Official Code of Georgia, § 12-5-180.1. The billing for water use can be accomplished by the water provider or by a private, third party, such as the development owner. Language has been provided by the District representing variations for the water utilities preference.

Schedule Change

Page 17-2 – Amend Water Conservation Action No. 5 with the following schedule:

Year 1-2004	Year 2-2005	Year 3-2006	Year 4-2007	Year 5-2008
Water Conservation Action No. 5: Require sub-unit meter in new multi-family buildings				
LOCAL UTILITIES				
		Pass Local Ordinance or Adopt Policy	Monitor compliance	

Amendment #4 (07/24/2006)

Page B-5 – Replace the Cherokee Etowah River WTP row with the following:

Facilities	By 2005			2006 to 2010			2011 to 2020			2021 to 2030		
	Proposed Projects		Plant Capacity at End of Period (MGD-PDD)	Proposed Projects		Plant Capacity at End of Period (MGD-PDD)	Proposed Projects		Plant Capacity at End of Period (MGD-PDD)	Proposed Projects		Plant Capacity at End of Period (MGD-PDD)
	Project Type	Project Capacity (MGD-PDD)		Project Type	Project Capacity (MGD-PDD)		Project Type	Project Capacity (MGD-PDD)		Project Type	Project Capacity (MGD-PDD)	
Cherokee Etowah River WTP	Expansion	9	27	Expansion	9	36	No Expansions proposed	36	Expansion	10	46	

Amendment #5 (12/06/2007)

Page 3-6 – Add new line to Table 3-3:

Reservoir	Owner/Operator Utilizing Resource	Basin	Estimated Size and Yield
Richland Creek Reservoir	Paulding County	Etowah	300-acre impoundment with an estimated yield of 35 MGD. Currently in the permitting process.