

Regional Water Supply Planning in Virginia

Water Demand Management Information, 9 VAC 25-780-110

Purpose: As part of a long-term strategy, a regional water supply plan shall address water conservation as part of overall water demand management in accordance with requirements detailed in 9VAC25-780-110. Current water conservation practices, techniques, and technologies shall be considered in projecting water demand in accordance with 9 VAC 25-780-100 D.

Pursuant to 9 VAC 25-780-110 A, each local government within the regional planning area shall provide information documenting existing water demand management plans or practices to assist in the development of the regional water supply plan.

This form may be used to help local governments develop and catalog information describing water efficiency, water conservation, and water loss reduction practices used within each local government. Local governments shall provide water demand management information to the regional planning unit for inclusion in the regional water supply plan in accordance with 9 VAC 25-780-110 A. *Note: If any of the practices are not applicable or no information is available, note as such in the comment boxes. Additionally, if any practices are not currently implemented but will be by your next water supply program submission deadline, note as such in the relevant comment boxes.*

Name:		Date:	
Local Government:			
Associated Regional Planning Unit:			
Water Use Efficiency <i>Describe practices for more efficient use of water within the local government and/or planning area.</i>			
When did your local government adopt the Virginia Uniform Statewide Building Code sections that limit maximum flow of water closets, urinals, and appliances?			
Year: _____	Ordinance Number: _____	Is a copy of this ordinance included in your water supply plan? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Describe how your local government implements such building codes:			
Has your local government adopted ordinances and/or developed and implemented a master landscape plan for water-efficient landscaping?			
<input type="checkbox"/> Yes	If Yes, reference the Ordinance Number: _____	Is a copy of this ordinance or master landscape plan included in your water supply plan?	
<input type="checkbox"/> No	If Yes, is a copy of this ordinance or master landscape plan included in your water supply plan?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes, briefly describe these low-water use landscaping practices:			
Do any Homeowner's Associations in your local government have policies regarding the use of low-water use landscaping?			
<input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, are copies of such policies included in your water supply plan? <input type="checkbox"/> Yes <input type="checkbox"/> No		

If Yes, briefly describe these low-water use landscaping practices:

Water Use Efficiency, continued

Describe practices for more efficient use of water within the local government and/or planning area.

Has your local government adopted ordinances declaring wasteful water use and/or running of water unlawful?

☐ Yes

If Yes, reference the Ordinance Number: _____

☐ No

If Yes, is a copy of this ordinance included in your water supply plan? ☐ Yes ☐ No

If Yes, briefly describe such anti-waste water use practices:

Does your local government implement practices to increase irrigation efficiency? Such practices may include, but are not limited to: not offering sewer credits during irrigation months, requiring irrigators to invest in irrigation meters, water recycling, etc.

☐ Yes

☐ No

If Yes, please describe these irrigation efficiency practices:

Do water suppliers (municipal and/or private) in your local government implement water use efficiency measures (e.g. manage water system pressure to deliver water efficiently to all parts of the distribution system, etc.?)

☐ Yes ☐ No If Yes, please describe these measures:

Water Use Efficiency, continued

Describe practices for more efficient use of water within the local government and/or planning area.



Are water suppliers in your local government WaterSense partners? Partners are listed on EPA's WaterSense website (<https://lookforwatersense.epa.gov/partners/>).

☐ Yes ☐ No If Yes, please list the partners and their practices under the WaterSense program:



Are landscape irrigation professionals in your local government WaterSense partners? Partners are listed on EPA's WaterSense website (<https://lookforwatersense.epa.gov/partners/>).

☐ Yes ☐ No If Yes, please list the partners and their practices under the WaterSense program:

Does your local government implement any efficient water use practices in addition to those mentioned above?

☐ Yes ☐ No If Yes, please describe these measures:

Water Conservation

*Describe water conservation measures to reduce water use long-term within the local government and/or planning area. Such measures **do not** include short-term water supply emergency or shortage practices.*

Does your local government have ordinances in place that address water conservation practices through reduction of use?

☐ Yes

If Yes, reference the Ordinance Number: _____

☐ No

If Yes, is a copy of this ordinance included in your water supply plan? ☐ Yes ☐ No

If Yes, briefly describe these water conservation practices:

Have water suppliers in your local government adjusted their standard operating procedures to improve water conservation (e.g. reducing frequency of filter back wash)?

☐ Yes

☐ No

If Yes, please describe these standard operating procedures:

Have water suppliers in your local government installed low-flow and/or no-flow fixtures (faucets, showers, urinals) in their facility that result in water savings to the local government through reduction of use?

☐ Yes

☐ No

If Yes, please describe these measures:

Have water suppliers in your local government developed and implemented water conservation plans?

☐ Yes

☐ No

If Yes, briefly describe the conservation plan measures:

Water Conservation, continued

*Describe water conservation measures to reduce water use long-term within the local government and/or planning area. Such measures **do not** include short-term water supply emergency or shortage practices.*

Have low-flow and/or no-flow fixtures (faucets, showers, urinals) been installed in local government buildings/facilities to improve water savings to the local government through reduction of use?

☐ Yes ☐ No If Yes, please describe these fixture upgrades:

Has your local government used Clean Water State Revolving Funds (CWSRF) or Drinking Water State Revolving Funds (DWSRF) to upgrade/retrofit facility fixtures, build new facilities, or purchase efficient landscape irrigation equipment for publicly owned facilities (buildings, parks, golf courses, etc.)?

☐ Yes ☐ No If Yes, please describe such CWSRF or DWSRF water conservation projects:

Does your local government have a dual pipe distribution system or parallel distribution network to distribute reclaimed water to residential, industrial, business, institutional, or irrigational (e.g. golf courses) users for non-potable water use purposes?

☐ Yes ☐ No If Yes, please describe such practices:

Do water suppliers in your local government offer “yard taps” to customers, so customers can monitor and reduce outdoor water use?

☐ Yes ☐ No If Yes, please describe this program:

Water Conservation, continued

*Describe water conservation measures to reduce water use long-term within the local government and/or planning area. Such measures **do not** include short-term water supply emergency or shortage practices.*

Has the local government developed and implemented public education programs that address water conservation through water use reduction?

☐ Yes ☐ No If Yes, please describe these public education practices:

Has your local government used Clean Water State Revolving Funds (CWSRF) or Drinking Water State Revolving Funds (DWSRF) to promote water conservation education through development and implementation of water conservation plans, public education programs, and/or ordinances or regulations to conserve water?

☐ Yes ☐ No If Yes, please describe such CWSRF or DWSRF water conservation education projects:

Does your local government and/or local water suppliers offer incentive programs to customers to retrofit or replace older fixtures (faucets, shower heads, urinals) and appliances to reduce water use?

☐ Yes ☐ No If Yes, please describe such incentive programs:

Water Conservation, continued

*Describe water conservation measures to reduce water use long-term within the local government and/or planning area. Such measures **do not** include short-term water supply emergency or shortage practices.*

Does your local government and/or local water suppliers offer funding incentive programs such as, but not limited to, rebates, tax breaks, and/or vouchers to encourage customers to reduce water use?

☐ Yes ☐ No If Yes, please describe such funding incentive programs:

Does your local government implement a water conservation rate structure that encourages reduction of water use by increasing water rates with increasing water usage?

☐ Yes ☐ No If Yes, please describe such rate structures:

Does your local government implement any water conservation practices in addition to those mentioned above?

☐ Yes ☐ No If Yes, please describe these measures:

Water Loss Reduction

Describe practices to address water loss in the maintenance of water systems and reduce unaccounted for water loss within the local government and/or planning area.

Do water systems in your local government have source and service connection meters?

☐ Yes – Type: ☐ Source ☐ Service
☐ No

If Yes, how frequently are the meters read?
☐ Automatic (AMR) ☐ Weekly ☐ Monthly ☐ Bimonthly ☐ Quarterly
☐ Other _____

If Yes, please describe practices for meter inventory, testing, maintenance, and replacement:

Does your local government have an ordinance or policy in place that requires water users to repair leaking fixtures, appliances, or plumbing?

☐ Yes ☐ No
If Yes, reference the Ordinance Number: _____
If Yes, is a copy of this ordinance included in your water supply plan? ☐ Yes ☐ No

If Yes, briefly describe these water loss reduction practices:

Do local water suppliers implement operating strategies for leak detection and regularly scheduled water audits to reduce water loss?

☐ Yes ☐ No If Yes, please describe the frequency and specifics of such strategies:

Water Loss Reduction, continued

Describe practices to address water loss in the maintenance of water systems and reduce unaccounted for water loss within the local government and/or planning area.

Has your local government used Clean Water State Revolving Funds (CWSRF) or Drinking Water State Revolving Funds (DWSRF) to install water meters in its distribution system and/or develop and implement water audit and leak detection practices?

☐ Yes ☐ No If Yes, please describe such CWSRF or DWSRF water loss reduction projects:

Does your local government have practices or policies in place to track unauthorized connections (e.g. tapping of fire hydrants)?

☐ Yes ☐ No If Yes, please describe the practices, policies and enforcement of unauthorized connections:

Do local water suppliers implement operating strategies for the repair of water mains, service connections, fire hydrants, valves, etc., to reduce water loss?

☐ Yes ☐ No If Yes, please describe such repair strategies:

Water Loss Reduction, continued

Describe practices to address water loss in the maintenance of water systems and reduce unaccounted for water loss within the local government and/or planning area.

Do local capital improvement plans (CIP) or master plans include dedicated funds to upgrade existing facility infrastructure, water mains, lines, fire hydrants, valves, etc., to reduce water loss?

☐ Yes ☐ No If Yes, please describe such CIP or master plan projects:

Has the local government developed and implemented educational programs to reduce customer-side water loss (e.g. offer leak detection tablets, conduct customer leak detection audits, etc.)?

☐ Yes ☐ No If Yes, please describe water loss reduction educational programs:

Does your local government implement any water loss reduction practices in addition to those mentioned above?

☐ Yes ☐ No If Yes, please describe such practices: