



WATER USE EFFICIENCY 2014 – 2019

Proposed WUE Goals and Measures

Regional Goal: The City of Monroe has co-adopted a regional goal as part of the group of Everett Water wholesale customers. The regional conservation goal is to reduce the regional demand for water by 1.86 MGD by 2018.

City of Monroe Goal: Reduce the 3-year running average of distribution system leakage from 11.9% to less than 10% before the end of 2016. The City's goal to be under 10% leakage will be an important part of contributing and accomplishing the regional goal.

Measures: In an effort to achieve the WUE goals the City has implemented six measures. Each measure was closely evaluated and, that it would be a sensible contributor to City's WUE program. The following six measures are what the City is looking to adopted for the 2014 – 2019 program.

1. Rate increase for City of Monroe water users
2. Conservation education program developed for 2nd – 12th graders
3. Indoor and outdoor water conservation kits for single and multi-family homes
4. Rainwater harvesting for City water-use vehicles
5. Reclaimed water-use at the City's WWTP
6. Large water users audits performed by contracted professional

Measure #1, at the beginning of 2014 the City raised its monthly water rate. The City increases its water rate when Everett, the City's water supplier, raises their rates. Raising water rates keeps customers aware of how much water they are using. The City includes a bar graph on the water bill showing customers their monthly usage and compares their usage to years prior, hoping that the customer acknowledges their water usages.

Measure #2, as a member of the Everett Water Utilities Committee (EWUC) the City of Monroe participates in the Committee's Conservation Education Programs offered to grade school students throughout the district. Triangle Associates was hired to develop education programs and support materials that will reach students and families educating them on the impacts of water use behaviors. In 2013 Triangle Associates taught 18 classes at three of the district's elementary schools.

Measure #3, distribution of indoor and outdoor conservation kits to single-family and multi-family dwellings. Indoor kits contain a massage shower-head (2 gallons per minute), faucet

aerators (1 gallon per minute), and Teflon tape. Outdoor kits contain a garden hose nozzle and garden hose repair ends. Lawn watering timers and leak detection strips are also available separately. All of these conservation tools are free to City of Monroe water customers and are available at City Hall.

Measure #4, rainwater harvesting for the City's water-use vehicles. Since 2008 the City has been maintaining a rainwater collection system where rainwater is collected from the roof of the City's decant facility and drains into two large containers. With a simple pump system the City's water-use vehicles are able to use rainwater for several City programs and projects.

Measure #5, the use of reclaimed water at the City's wastewater treatment facility saves the City approximately 10.5 MG of potable water annually. Reclaimed water is used for hosing down tanks, seal water for pumps and other equipment, and polymer make-up processes. The City has explored using reclaimed water for other large water users. Sky River Park, which is near the wastewater facility is a 32 acre City park that is a probable candidate for future reclaimed water irrigation use.

Measure #6, the EWUC voted to incorporate a conservation effort for large customer audits. The City will select some of its largest water users for the program, and determine which one(s) will be chosen for audit. The audits will be performed by a contracted professional. The idea is to work with local businesses and determine efficient water use.