



Our Mission

It is the goal of Silverdale Water District to provide the highest quality water at the lowest reasonable price, assuring reliability of source, storage and distribution. The district is constantly planning for present and future preservation of its most precious resource, through prudent financial and personnel management and long term regional planning.

Commissioner's Corner

WORLD REUSE AT A GLANCE

Water is the gold of the future, basic element to life, and a common thread to our international community. The question is who owns the water. For example, when a river flows from Canada into the United States, who owns the water? When water is removed from the ocean, desalinated, and converted to drinking water, who owns the water?

The definition for water quality is wide and varied around the world. For example, water reuse within developed countries is controlled by tight regulation(s) and must meet very strict water quality standards. Water in less developed countries is sometimes unregulated and may have no water quality standards. For example:

Argentina - Effluent (minimal treatment) from primary treatment wastewater facilities drains into an irrigation canal and has unrestricted use for 5000 acres. There are no crop restrictions.

Chile - Santiago's wastewater is used indirectly for crops. Up to 80% of Santiago's raw sewage is collected into an open drainage ditch canal and is distributed for irrigation.

India - Irrigation of crops with raw sewage is acceptable. In 1985, it was estimated that 180,000 acres of land is irrigated with wastewater on at least 200 sewage farms.

Republic of South Africa - Has adopted water quality standards similar to the United States. They require very high treatment standards to tertiary levels.

Singapore - is a city-state with a dense population averaging 100 inches of rain per year. Much of their wastewater is discharged to the sea, but the government has initiated an aggressive water reuse program with tertiary treatment.

United Arab Emirates - Large water reuse has been practiced since 1976. This early system has tertiary treatment with disinfection provided by chlorination and ozone.

This brings us to Silverdale Water District. We will always use the best available technology to provide safe drinking and reclaimed water. As we evaluate potential use of reclaimed water we will keep our cooperative spirit and excellent working relationship with other Kitsap County utilities. By doing this it provides our valued customers, assurance that all waters provided by Silverdale Water District will be safe for their appropriate use. We ask that you contact the District for more information and updates on projects.

Commissioner John Poppe



Calendar of Events

June 4th – 9:00 AM

Commissioner Meeting

June 6th – 10:00 AM to 2:30 PM

Kids Day

July 2nd – 9:00 AM

Commissioner Meeting

July 25th – 10:00 AM to 12:00 PM

Whaling Days Parade

August 1st and 2nd

The Great Peninsula Futures Festival
in Port Gamble

Best in the Northwest

In April, Silverdale Water District competed in our local AWWA Subsection drinking water tasting competition. The district took away first place out of 7 entries and then went on to compete in the AWWA Pacific Northwest Section contest which included entries from Washington, Oregon, and Idaho. Humbly we were voted 'Best in the Northwest' by a panel of selected water officials. The District will now go on to compete in the AWWA national competition, held in San Diego, CA, on June 14th. AWWA was founded in 1881, and is the authoritative resource on safe water, providing knowledge, information and advocacy to improve the quality and supply of water in North America and beyond. Tasting contests consist of multiple judges, taking a blind sample of drinking water and rating it on a scale of 1 to 10. The District is honored to be not only representing Kitsap County, but all of the Pacific Northwest at the national level. We hope that you are as proud of our wonderful natural resource as we are.

Water Use Efficiency Requirements

Water Conservation has always been valued at Silverdale Water District, however Washington State Department of Health has made it mandatory for all water systems to develop and implement a Water Use Efficiency Program.

The Water Use Efficiency Rule requires water purveyors to meet specific criteria and timelines set forth by the rule, depending on the water system size. The criteria that SWD must meet are listed below:

- Water systems must meter and track both water sources as well as water consumption.
- Water systems must meet a Distribution System Leakage percentage of 10% or less.
- Set measurable water use efficiency goals in a public process.
- Implement 6 water use efficiency measures that support the purveyor's goals.
- Implement a water use efficiency education program.
- Evaluate rates that encourage water demand efficiency.
- Evaluate the use of reclaimed water.

Although these demands may seem difficult or expensive, Silverdale Water District meets the rule's basic requirements without doing any additional work outside our daily and yearly operations.

Contact Information



Phone: 360-447-3500

Fax: 360-447-3590

Web: www.swd16.org

For After Hours Emergencies: Dial 911

Mailing Address

5300 NW Newberry Hill Road, Suite #100
Silverdale, WA 98383



Water Use Efficiency Report

The below information pertains to December 1, 2007 to November 30, 2008.

The District produced 768 MG of water, the volume of water lost to Distribution System Leakage is 32 MG, or 4.1% of total water produced. Silverdale Water District's Water Use Efficiency three goals were set in our January 17, 2008, commissioner meeting. A short report of each goal is listed below.

Goal 1. (Demand Side Goal) To reduce peak day demand by 5% of system production within 5 years (measured on a 3 year average).

Goal 2. (Demand Side Goal) To establish a district standard that defines an efficient water user for the service area. From this standard the district will recognize those customers that are classified as efficient. The district will also work with 2% or a minimum of 20 customer accounts from each customer class to join the efficient category.

Goal 3. (Supply Side Goal) To maintain a 5% or better unaccounted for water percentage as compared to production and to maintain accurate records of unmetered water.

Water Use Efficiency Program Progress

Silverdale Water District has focused most of its water conservation efforts on four items.

1. Reevaluating the implementation of a reclaimed water system into the Silverdale area.
2. Continuing with our ongoing public outreach education efforts.
3. Implemented a new rate structure that encourages conservation by further stratifying our 4 tier increasing block rate structure.
4. Developed a mechanism for tracking unmetered water usage.

Supply Side Goal Progress

As pointed out earlier in this report, Silverdale Water District's Distribution System Leakage is 4.1%, therefore we have met our leakage goal for 2008. We also have carefully recorded maintenance records for unmetered water.

Demand Side Goal Progress

Goal 1. Peak day consumption is driven by irrigation demands. Silverdale Water District has established that the perfect storm for high water usage is a very hot weekend day, early in the summer season. In 2008 the summer was unseasonable cool and late to warm up. Many irrigation systems were not being utilized until well into the summer. The District also theorizes that peak days are driven by residential water usage, since commercial irrigation systems are not adjusted on a daily basis. With the cool start to summer, many residents did not engage in their normal high water usage patterns, therefore water usage was low in 2008. Although we do not have enough data to compare the 3 year running average we do know that in 2008 consumption was at 93% of the average water consumption as compared to 2003 to 2007.

Goal 2. As mentioned above Silverdale Water is currently working to recognize and establish patterns for water use. We have a good understanding about what an average customer uses and have compared that to past data and lot size. For example the average Single family detached home uses 11,909 CF of water per year. This serves as a bench mark for many of our studies. We have not begun targeting specific customers, we anticipate this to begin in the next 2 years.

For more information regarding Silverdale Water District's Water Use Efficiency Program, please visit www.swd16.org or contact Laurelin Ward, Environmental Technician, at (360) 447-3500 or lward@swd16.org.

→ Act of Kindness

For over 12 years, the Silverdale Water District has spent Earth Day (April 22nd) at the Clear Creek Trail, this year was no different. The District donated the time for Sid Williams and Thomas Hunter to help Marie Crumb's 100 plus students build roughly 450 feet of new trail on the northwest corner of the Clear Creek Valley floor. Marie Crumb, a CKHS science teacher, has been arranging for her students to help build a piece of trail every year, for 17 years. The Clear Creek trail has been and continues to be a wonderful addition to our community. Rain or shine, community members, their families, and their pets can be found enjoying the winding trail system. Our thanks go out to all who contributed: Ms. Crumb, Her Students, Sid and Thomas, and the rest of the Clear Creek Task Force.