



**INFORMATION UPDATE FOR WHOLESALE CUSTOMERS**

[http://www.seattle.gov/util/About\\_SPU/News/Newsletters/index.asp](http://www.seattle.gov/util/About_SPU/News/Newsletters/index.asp)

Nine of the low chlorine samples were from purveyor areas (1.4%). The average water temperature in the distribution system in December was 9.3 degrees Celsius, with a range of 6 to 12.9 °C. This is normal for this time of year.

**Taste and Odor**

The taste and odor panel is meeting bi-weekly (beginning in October). Samples are rated on a scale from 1 to 9, with 1 representing the best and 9 representing the worst. The taste and odor flavor rating assessment (FRA) for the latest Cedar supply (Lake Youngs treated) sample was 2.6. The Tolt supply result was 2.0.

**Stage 2 Disinfectants/Disinfection By-Products Rule**

All fourth quarter 2012 Stage 2 DBP samples have been collected and analyzed. All samples were below the TTHM and HAA5 MCLs. All systems remain in compliance.



**Lake Youngs Status**

The Lake Youngs algal biovolume is increasing (*Tabellaria*). The total coliform counts were normal in Lake Youngs in December. The average Lake Youngs raw water total coliform count for December was 65 cfu/100mL, with a range of 7 to 172 cfu/100mL. The historical average for December is 58 cfu/100mL.

**Seattle  
Water Supply  
Indicators**

Water Storage	
Reservoir Inflows	
Snowpack	
Customer Use	
Overall	

Good Fair Poor

For more information on Water Supply:  
[http://www.seattle.gov/util/About\\_SPU/Water\\_System/Water\\_Supply/index.asp](http://www.seattle.gov/util/About_SPU/Water_System/Water_Supply/index.asp)



**Water Quality  
Technical Forum  
Report**

**Chlorine Residual and Coliform Data**

There were no positive coliform samples from the purveyor service areas during the fourth quarter of 2012 (none in Seattle either). All systems remain in compliance. Average chlorine residual concentrations in the purveyor distribution systems ranged from 0.53 to 1.15 mg/L, with an overall average of 0.87 mg/L in December. The chlorine residual target for the Tolt Treatment Facility is 1.5 mg/L, while the Cedar target was lowered to 1.5 mg/L on November 28th. The number of samples with chlorine less than 0.2 mg/L was 23 in December (out of 841 samples).

## Conservation Technical Forum

On the web at <http://www.savingwater.org>

### When Should You Adopt the New Water Use Efficiency Goal?

The Seattle City Council adopted Seattle Public Utilities' 2013 Water System Plan and the 2013-18 WUE Goal in December 2012. As a reminder, the 2013-2018 WUE Goal is as follows:

“Reduce per capita water use from current levels so that the total average annual retail water use of the members of the Saving Water Partnership is less than 105 MGD from 2013 through 2018 despite forecasted population growth.”

The regional WUE goal that each SWP utility adopted in 2007 or 2008 is due to be replaced by our new 2013-2018 WUE goal. This new goal will need to be adopted by each SWP partner utility, through a public process. Here is our understanding from the Department of Health about the time frame in which this needs to be done:

- The WUE Rule requires that new conservation goals be established, through a public process, every 6 years. Technically, SWP members who adopted their WUE goal in 2007 should adopt the new goal no later than 2013, and those who adopted their WUE goal in 2008 should adopt the new goal no later than 2014. On behalf of the regional conservation program, we are asking that SWP members adopt the new goal as soon as you conveniently can in 2013, and no later than May of 2014, so that all SWP members will be able to report that they have adopted the new goal when they file the Annual DOH WUE Report for 2013, due to DOH before July 1, 2014. By the end of this month, SPU will provide background information and suggested language for adopting the new WUE goal.

- If your utility wishes to incorporate the adoption of the new goal into an upcoming Water System Plan update that falls outside this time frame, or if your utility has other concerns about the timing of adopting the new WUE goal, please contact Mike Dixel at DOH at [michael.dixel@doh.wa.gov](mailto:michael.dixel@doh.wa.gov) or (360) 236-3154.

We hope that this time frame gives your utility adequate time to plan to adopt the new WUE goal.

CONTACT: *Mialee Jose (206) 615-1452*



*Saving Water Partnership*  
Seattle and Participating area water Utilities

### How Will Annual Program Results Be Measured Under the New Goal?

SPU staff will be relying on Annual Purveyor Survey data regarding retail water use for 2013 and beyond for reporting. Because this new metric is different from the previous MGD savings metric, the results will capture both SWP-sponsored activities, and activities sponsored by individual SWP member utilities, as well as price-response savings and passive savings. For example, in keeping with the 2007-2012 WUE Goal, we reported MGD savings for the regional program, and individual utilities reported additional savings from efforts they sponsored in addition to the regional program. Under the 2013-18 WUE Goal, we will be reporting that regional water use is at, above or below 105 MGD, and not reporting a specific savings target from the regional program. Therefore, the goal captures all conservation efforts sponsored by the regional utilities, our customers on their own, and savings induced by national and state water saving codes.

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## REGIONAL CONSERVATION PROGRAM PLANNING

### 2013-2018 Actions and Strategies Document Available on Web

The Actions and Strategies document is finalized and available at [www.savingwater.org/education\\_reports.htm](http://www.savingwater.org/education_reports.htm). The document has been sent to Conservation Technical Forum (CTF) members. Thank you for the great work of the Conservation Technical Forum Working Groups on Communications, Youth and Community Education, and Landscape. If you would like a printed copy please contact Mialee.

*CONTACT: Mialee Jose (206) 615-1452*

## RESIDENTIAL INDOOR Residential Toilet Rebates – New “Premium” WaterSense Toilets Coming



The Multifamily Toilet Rebate Program replaced 843 toilets in 2012. Program Manager Billie Fisher promoted the program during a well-attended panel session at the Trends Multifamily Trade Show in December. Single Family Toilet Rebates totaled 1,452, in 2012.

Staff is planning to conduct an event during national “Fix a Leak Week” in March, 2013, to introduce plumbers to the **new “Premium” WaterSense toilets**. These new toilets use 1.06 gallons of water per flush, whereas regular WaterSense toilets use 1.28 gallons. Staff are planning special promotions for Premium WaterSense fixtures in both the Multifamily and Single Family Toilet Rebate Programs.

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## Leak Television Campaign Concludes

The leak T.V. PSAs began airing in October and came to an end December 30th. These PSA spots were part of a two year leak discovery and repair



campaign. In the first year of the program the SWP developed the “how to find and fix leaks” videos that are currently housed on [www.savingwater.org](http://www.savingwater.org). Part of the video creation was a 30 second television ad centered around leaky toilets. The ad ran in the south end of the service region in 2011 using the Lake Washington Ship Canal as the dividing point. In 2012, the ad ran north of the Ship Canal. In both instances we saw a rise in web site traffic and an increase in phone calls pertaining to leaks.



## RESIDENTIAL & COMMERCIAL LANDSCAPE Wrap Up for 2012 Savvy Gardener and Planning for 2013

The Savvy Gardener classes wrapped up the year with a total of 51 classes at 26 venues. Approximately 800 people attended these classes. Out of a possible score of “5”, the averaged class rating was 4.8. Speakers received high praise. Gears have shifted into planning for 2013. Co-sponsors the Saving Water Partnership and Cascade Water Alliance held two debriefing meetings. The first was to gain feedback and new ideas from water utilities who had hosted the classes and the second was to gather suggestions from our speakers. The organizers gleaned new topics, locations and social media ideas. We have already gathered available speaker dates and the topics they want to teach in 2013. In January, we will combine information received from utilities and speakers to develop the 2013 schedule.

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### Irrigation Rebates Changing

2012 marked the last year of the Water Efficient Irrigation Rebate Program for single family residential customers and customers with less than one acre of irrigated area. Over the past ten years, excluding those customers that received rain sensors through the Free Rain Sensor Program, over 1000 single-family residential customers upgraded their irrigation systems with water efficient technologies. Rain Sensors, smart controllers, as well high uniformity nozzles and pressure regulating valves and heads all qualified for rebates to save about an estimated 100,000 gallons per day or almost 49,000 CCF per year.

### In 2013, only commercial and multifamily customers with more than one acre of irrigated area will qualify for water utility billing analysis, on-site assessments and financial incentives.

While residential customers, as well as all other properties smaller than one acre, will no longer qualify for irrigation rebates, the establish technical tools for developing water schedules and adjusting those schedules on the Irrigation Water Management Society ([www.iwms.org](http://www.iwms.org)) website will still be support for this customer segment.



### Professional Irrigation Training Expanding

Attendance was good at the annual irrigation trainings for professionals in November. Nine different trainings were available in English as well as Spanish over a four day period. A total of 230 seats were filled for all the trainings, though many people took more than one training. Trainings included irrigation scheduling techniques, basic horticulture and irrigation design, valve troubleshooting and auditing. The four classes held over two days in Spanish had a big turn out and students were very appreciative of the free of charge opportunity to improve their skills.

Typically the irrigation program provides professionals an opportunity to attend irrigation trainings once per year. In 2013, opportunities to attend trainings will be offered quarterly. Increasing the number of trainings offered throughout the year should provide contractors with more flexibility in deciding whether to send employees or not depending on their busy periods.

CONTACT: Jenna Smith (206) 684-5955



### Landscape Messages Available Soon for Utility Newsletters and Other Media

An Excel spreadsheet containing seasonal landscape messages has been developed, with hot links to more detailed information, including archived Savvy Gardener articles. A Table of Contents sheet identifies topics that are covered, by quarter. Worksheets for each quarter contain the message copy and hot links where available. The spreadsheet will be posted on the Operating Board web site, [www.Operatingboard.org](http://www.Operatingboard.org) in late January.

CONTACT: Nota Lucas (206) 684-5855

### Training for Landscape Professionals

We continued the SWP's successful collaboration with the Local Hazardous Waste Management Program (LHWMP) for pesticide reduction education for nurseries and landscape professionals.

Two Integrated Pest Management (IPM) workshops were held, one on October 16 and

one on November 13. A total of 334 landscape professionals and others attended. Presentations covered a wide range of sustainable landscaping information, including topics addressing water conservation and drainage issues.

Sustainable landscaping information was also presented to nursery staff - reaching a total of 143 at 10 trainings provided to 15 nurseries - and to landscape professionals who speak English as their second language. Trainings, including two in collaboration with the irrigation program, were presented as follows: in Cambodian (9 attendees); in Vietnamese (24 attendees); and three in Spanish (73 attendees total), for a total of 106 participants

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## COMMERCIAL WATER CONSERVATION

### Commercial Program

The Water Smart Technology Program completed 56 projects in 2012.

- ◆ 28 Kitchen projects
- ◆ 19 Plumbing fixture projects, either toilets, urinals, or both
- ◆ One commercial laundromat project
- ◆ Two new construction projects that had been authorized prior to 2012
- ◆ Seven custom projects - everything from single pass cooling to car washes.

2013 will continue an outreach emphasis on small business. In addition, staff are considering adding some new rebate measures under the umbrella of "Cool Tunes" for cooling tower maintenance, efficiency, and technical assistance. The program will also be implementing a new sliding scale of rebates.

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