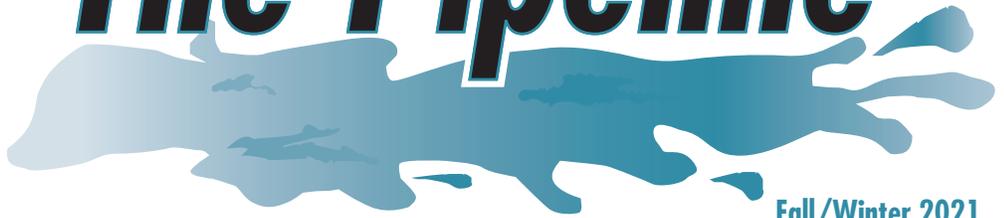


The Pipeline



Fall/Winter 2021



Commissioner Tim Schriever

Commissioner's Corner

About Water Filtration and Purification

Water is an absolute necessity of life. It makes up about 60% of your body and is involved in many essential body functions such as regulating temperature, flushing out toxins and protecting organs, tissues, and joints. In most populated areas, filtering and purifying water is a crucial part of healthy living.

Fortunately, the water piped to your house through the Woodinville Water District pipelines comes from mountain reservoirs located above densely populated areas, reducing potential contamination of upstream use of herbicides, pesticides, and pharmaceuticals. The water conveyed to Woodinville Water District customers is filtered, purified, and fluoridated. Fluoride is a mineral added to your water because the CDC and other organizations consider it effective in reducing tooth decay.

The taste of water is affected by its mineral content. The filtration process cleans water by removing visible and non-visible particles. Through filtration, some natural occurring minerals are removed or reduced from the water such as arsenic and nitrate compounds, which is good, and not so good when removing calcium, magnesium, and others. Our main water source is the Tolt River Reservoir where the water passes through a carbon filter that is as big as a house. After filtration, the water is purified by adding a very small amount of chlorine to the water for the purpose of killing microbiological contaminants such as bacteria, viruses, protozoan and parasites.

The Woodinville Water Districts owns and operates the public water system up to the water meter where customer houses connect to the system. The Water District's responsibility of providing safe potable water ends at the water meter. The pipes located on private property and all the plumbing pipes and fixtures in the home are the responsibility of the homeowner.

There are some households where additional in-home water filtration may be a consumer choice or may be a necessity. Some older homes with corroding galvanized pipes or lead containing fixtures may have increased levels of lead in the water. Some individuals use home medical equipment, such as kidney dialysis machines that need the tap water filtered. Some individuals are more sensitive than others to residual chemicals and minerals in the water and place filters in their homes. Others use filters to remove chlorine, chlorine

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Woodinville Water District

Providing safe and reliable service with responsible rates since 1959.

Commissioner's Corner

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biproducs, fluoride and other compounds in the water that they want reduced or removed. It is important for consumers to maintain their water filters and follow the manufacturers recommendations.

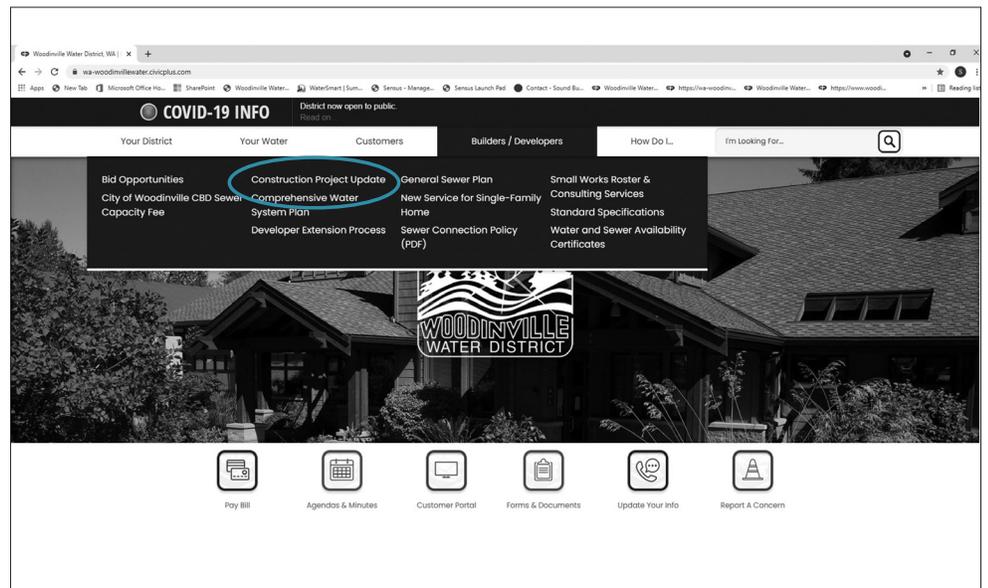
The water district does not maintain or recommend specific types of individual water filters for private use. Customers with concerns about contaminates that might be introduced by their own piping/plumbing, or have sensitivity because of medical issues, should pursue their own research into home water quality filtration systems.

The drinking water provided to customers of the Woodinville Water District meets state and federal guidelines for allowable maximum levels of natural elements, microbes, chemicals, and the by-products of disinfection by chlorination. The Water District's "Annual Drinking Water Quality Reports" provide information about water test results and can be found at www.woodinvillewater.com under the pull-down "Your Water" then pick "Reports" under Water Quality.

The Board of Commissioners meet on the first and third Tuesday of each month at 5:00pm virtually via Microsoft Teams. The public is welcome to join the Microsoft Teams Meeting via telephone. Meeting call-in information is posted on the agenda that can be found on our webpage the Friday prior to each meeting at woodinvillewater.com.

INVESTING In Our Future

Visit www.woodinvillewater.com for the latest Construction Project Updates. If you have any questions for Woodinville Water District regarding any of these projects, please email Project Engineer, Christian Hoffman at choffman@woodinvillewater.com or call him at 425-487-4142.



The fall rainy season is here.

It's time to turn off your sprinkler system.



Working Together to Prevent Sewer Line Backups

During recent maintenance checks on Woodinville Water District sewer lines in the District service area, our crew discovered a large build-up of disposable wipes clogging the sewer lines. As more and more of these disposable wipes are being flushed down toilets, they are clogging pipes and jamming pumps, which has the potential to send a raw sewage backup into your home. There are additional labor and maintenance costs incurred by the District because of these “flushable” wipes that could affect your future sewer rates. Obviously, this is a serious issue, and we need your assistance.

Please take a moment to review what is or is not okay to flush with your family. For customers who have septic systems, these same guidelines will protect their systems, saving them money and headaches!

WHAT SHOULD YOU FLUSH?

Basically, 2 things (besides water):

- Toilet paper
- Human waste



Flushing anything else tempts trouble not just for your home, but for the public system and the environment as well.

WHAT NOT TO FLUSH?

- Disposable wipes – any kind, even if labeled “flushable”. Wipes don’t break down in the sewer line. These have become one of the #1 causes of sewer backups.
- F.O.G. (fats, oils and grease) – cooking oil and grease flushed through the sink or dishwasher, or greasy scraps sent through the garbage disposal. F.O.G. cools and congeals down the line, sticking to pipes.
- Feminine sanitary products – tampons, applicators or pads.
- Diapers or Nursing pads
- Dental floss
- Paper towels or tissue
- Hair
- Cotton balls or Q-tips
- Condoms

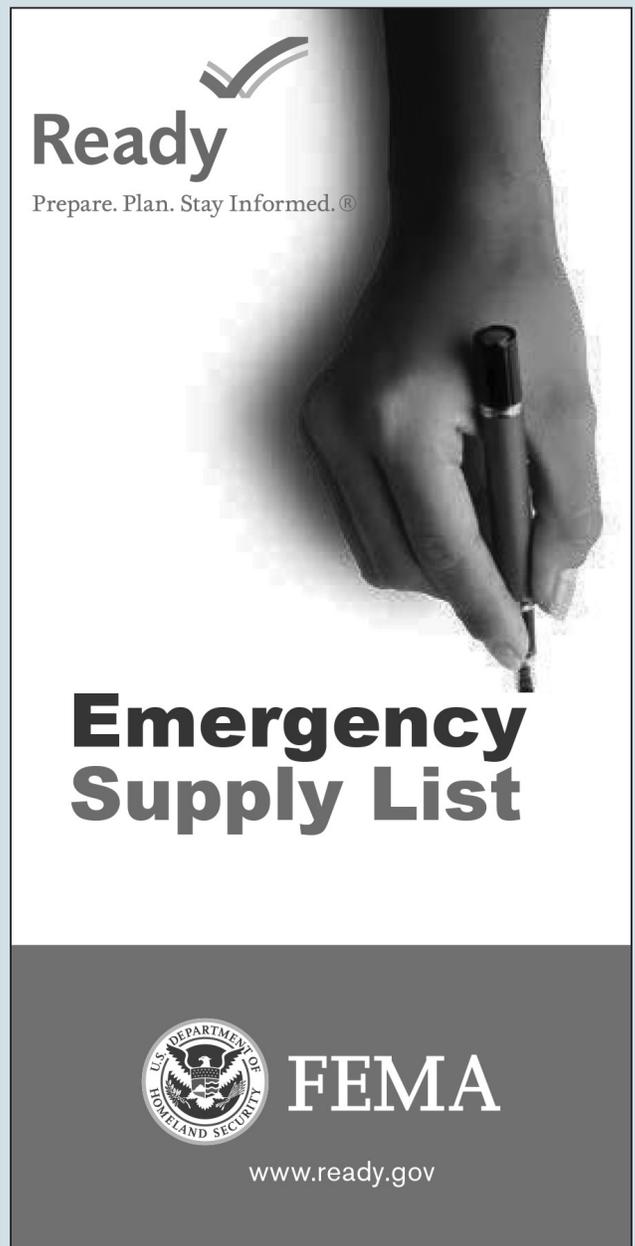


Do your sewer a favor: always put these (and any other waste items) in the trash and not down your toilet or drain

It’s also important to mention that a sewer backup can happen in your private property sewer line which would be your responsibility and at your expense to clear and repair.

HAVE YOU UPDATED YOUR EMERGENCY KITS?

Winter storms can bring cold temperatures, power failures, loss of communication services, and icy roads. To keep yourself and your loved one’s safe plan ahead and create emergency kits for your Car, Seniors, Pets, Individuals with Disabilities and Home by visiting www.ready.gov.



Ready
Prepare. Plan. Stay Informed.®

Emergency Supply List

 **FEMA**
www.ready.gov

Update Your Contact Information

You can now update your contact information on our website! Please help us contact you quickly in the event of a water or sewer emergency.

You can now update your contact information on our website or contact our Customer Service at customerservice@woodinvillewater.com or at 425-487-4100 and they can update your account for you.



It's Salmon SEason!

Each fall, salmon make a long, remarkable trek to spawn in streams and rivers across the Puget Sound region. Safely check out self-guided salmon viewing locations near you, while remembering to recreate responsibly! You can find virtual viewing opportunities and educational resources on the Salmon SEason website: <http://bit.ly/salmonseason>.

We share our drinking water supply with salmon, trout and other fish. It's particularly important to conserve water in the summer and fall months when streamflows are naturally low and adult salmon are returning to rivers to spawn.

Salmon have a challenging journey; please be fish-friendly and use water wisely. Visit the Saving Water Partnership for tips and tools to reduce water use.

Fall Is For Planting!

Don't hang your gardening gloves up quite yet. Fall is the perfect time to plant spring bulbs, cool season annuals, cool season vegetables, trees, shrubs, and perennials! Save water (and time!) by letting nature water your plants all winter long. #WaterWise



Fall Garden and Landscaping Water Conservation Tips

Fall is an ideal time to prepare your landscape and garden for next year.

- » Add 2 to 3 inches of mulch (fall leaves, woodchips or compost) to the surface of bare soils. Mulch helps protect plant roots during freezing weather.
- » Turn off your automatic sprinkler system. Watering your plants in the fall can delay them from preparing for dormancy, making them more susceptible to early freezes.
- » Plant new trees, shrubs or perennials. Cooler air and warm soil help plants develop strong roots ahead of our dry summers.



DON'T LET YOUR PIPES FREEZE

If you turn on your faucets and nothing comes out, leave the faucets turned on and call a plumber. If you detect that your water pipes have frozen and burst, turn off the water at the main shut-off valve in the house; leave the water faucets turned on. (Make sure everyone in your family knows where the water shut-off valve is and how to open and close it.)

NEVER try to thaw a pipe with a torch or other open flame. Water damage is preferable to fire damage. You may be able to thaw a frozen pipe with the warm air from a hair dryer. Start by warming the pipe as close to the faucet as possible, working toward the coldest section of pipe.

DO NOT use electrical appliances in areas of standing water because you could be electrocuted.

REMEMBER, if you need help turning water off, we are only a phone call away.

**Woodinville
Water District
24-Hour
Emergency Number
425-487-4100**

**Office Hours: 7:30am-4:00pm
Monday thru Friday**

TIME TO WINTERIZE

Take Steps Now to Protect Your Home From Costly Frozen Pipes

Now is the time to prepare for winter weather. A few simple steps can help you prevent frozen pipes and leaks. Woodinville Water District maintains the supply system from the source to your meter. You are responsible for protecting the water pipes from the meter to and throughout your home from freezing. Repairing pipes and paying for water that has leaked can be quite costly. An eighth-inch (three millimeter) crack in a pipe can spew up to 250 gallons of water a day, destroying floors, furniture, and personal property. Both plastic (PVS) and copper pipes can burst. You know the saying: *An ounce of prevention...* so here are a few simple steps you can take to prevent the expense and inconvenience of frozen or broken pipes:

Winterize your irrigation system

Have your irrigation system winterized by blowing it out or draining it.

Disconnect garden hoses

Remove and store garden hoses and insulate and cover hose bibs to keep them from freezing.

Insulate exposed and/or unprotected pipes

Insulate pipes in unheated garages and crawl spaces. You can leave one indoor faucet drip warm water over night but do not leave water running in a vacant home. You can also open cabinet doors to allow heat to get to uninsulated pipes under sinks and appliances near exterior walls.

Locate your main water shut-off valve

Don't wait for an emergency to locate your main water shut off.

Protect vacant homes

If you leave a house for several days take steps to protect pipes from freezing:

- Turn off main shut-off valve.
- Turn off electricity or gas to the water heater.
- Open indoor and outdoor faucets to drain pipes.
- Flush your toilet(s) once to drain the tank but not the bowl.
- Leave your heat on at a minimum temperature setting to help keep pipes from freezing in interior walls.

Water-Wise Holiday Prep

The holiday season is upon us. Whether you're celebrating as a household or with friends and family, you'll likely use more water than usual. Follow these tips and a high water bill will be one less thing to stress about.

#1: THAW YOUR FROZEN TURKEY LIKE A WATER-SAVING PRO

Plan ahead to give yourself plenty of time and space to let it thaw in the fridge. The USDA recommends allowing 1 day for every 4-5 pounds of bird.

#2: WASH YOUR FRUITS AND VEGGIES, RINSE AND REPEAT

Instead of running the tap while washing produce, use a large bowl filled with water. Bonus points for reusing the rinse water to water indoor plants.

#3: DISHES, DISHES, AND MORE DISHES

If you are cooking a multi-course meal, chances are your normal dish cleaning routine isn't going to cut it.

Here are our tips:

- Whenever you can— scrape your plate and let a dishwasher do the rest. The average dishwasher uses 5 gallons of water or less, while washing the same number of dishes by hand can take 27 gallons.
- If you are washing by hand don't let the tap run. Fill the sink or a bowl with soapy water to wash the dishes, then drain and rinse.



#4: TOILET TUNE-UP

Toilets are the biggest water users in the home, so we'd be remiss to leave them off this list. Especially with the extra (ahem) use they might be getting this holiday season. Have a suspicious feeling your toilet might be leaking or running in between flushes? Now is a great time to look into it. Follow the step-by-step instructions on: savingwater.org/indoors/toilets

#5: TURN OFF THE TAP!

This one may seem obvious, but with all the holiday action it's easy to get distracted and walk away from a running tap.

For more tips, tools, and rebates visit savingwater.org. When we work together to use water wisely, it adds up to make a big difference.

Let Us Know About Life Support Issues Requiring Non-Interrupted Water Service

A reminder to all –

please be sure to let us know if anyone in your household has a serious health condition requiring water to be available at all times, such as kidney dialysis. We make a note of this on your customer account screen.

Please contact Customer Service at 425-487-4100 or email customerservice@woodinvillewater.com.



THE WATERSMART CUSTOMER PORTAL

WaterSmart helps you track your home's water use and spending with an easy-to-use web and mobile portal.

www.watersmart.com



Billing. See your current bill and your bill history.



Hourly data. View your use in near real-time. Be alerted to leaks. Pay your bill.



Alerts and notification. Take control of your water use and avoid surprises.

KIDS CORNER

WATER CAN BE FUN!

Where do you think the "rain" came from?

Do you think the same thing would happen if you put the ice in the jar and hot water in the pie tin?

OBJECTIVE:

Learn how a solid turns into a gas. Learn the concept of condensation in relation to the water cycle.

VOCABULARY WORD:

Condensation — the process of changing gas (such as steam) to a liquid (such as water).

MATERIALS NEEDED:

- Quart- (liter-) sized glass jar
- Metal pie tin
- Hot water
- Ice cubes

INSTRUCTIONS:

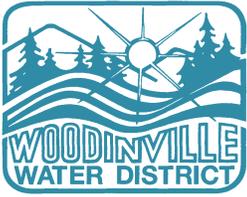
1. Pour a cup of hot water into a quart- (liter-) sized glass jar.
2. Pour some ice cubes in a pie tin and place the tin on top of the jar.
3. Observe for several minutes. What happened?

HOW DOES IT WORK?

The hot water heats the air in the jar and adds moisture to it. The moisture-laden hot air rises. As it nears the cold pie tin, the air cools and condenses. In time, it may actually "rain" outside the jar, as water drops form on and fall from the area of the tin overhanging the jar.

This illustrates what happens in the water cycle. The sun makes water on the earth so warm that it adds moisture to the air. Air contains tiny droplets of water. When the air moves high above the ground, it becomes very cold. When the air becomes very cold, the water vapor in the air collects on to pieces of dust. They become droplets. These droplets become bigger and form clouds. The drops in the clouds get so heavy that they fall to the earth as raindrops. When the drops reach the earth, they may soak into the ground. They may run into a river, lake, or the ocean. The sun then makes these bodies of water warm and the water will evaporate into the air again. Droplets form clouds again. Once again, it rains or snows. This happens over and over again.

—From American Water Works Association, "Water Can Be Fun!"



Woodinville Water District
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The Pipeline is designed to keep Woodinville Water District customers up-to-date on water related issues, projects, and conservation education. The District welcomes your feedback and your suggestions for future stories.

Woodinville Water District
 17238 NE Woodinville-Duvall Road
 PO Box 1390
 Woodinville, WA 98072-1390
 425-487-4100
 Fax: 425-485-6381
 www.woodinvillewater.com

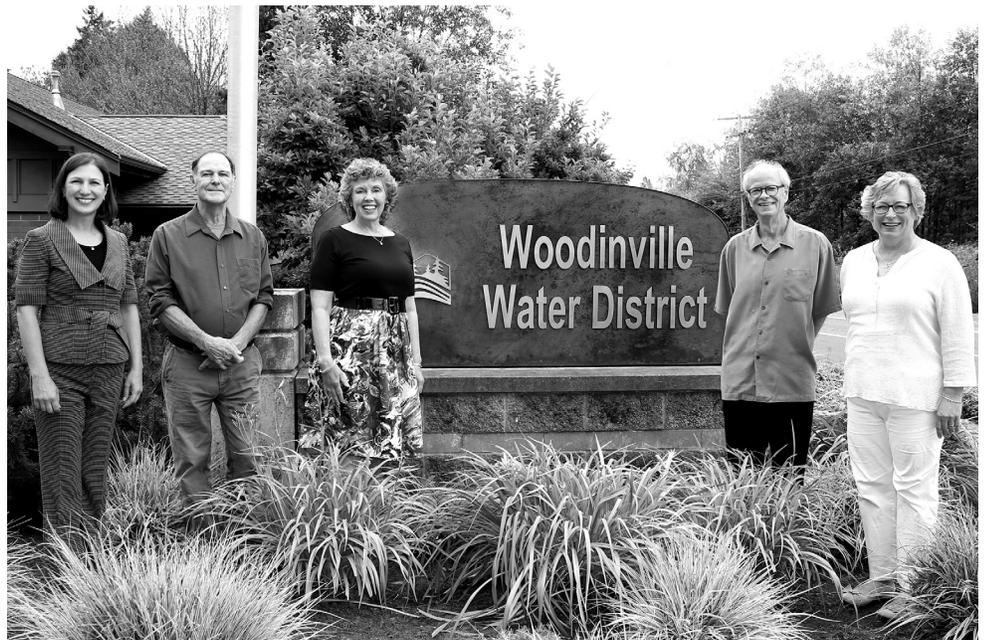
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 Closed Sat, Sun & Holidays

Commissioners: Chuck Clarke
 Aleksandra Katchakov
 Pamela Maloney
 Tim Schriever
 Karen Steeb

Editor: Sandra Tachibana

Graphic Design: Danielle Myers

WWD Board of Commissioners



Commissioners (L-R): Aleksandra Kachakov, Tim Schriever, Karen Steeb, Chuck Clarke and Pamela Maloney



Do your part,
 be water smart



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