

RESOLUTION NO. 5261-15

A RESOLUTION ADOPTING THE CITY OF TUALATIN WATER SUPPLY SHORTAGE CURTAILMENT PLAN

WHEREAS, Tualatin Municipal Code (TMC) 3-3-200 authorizes the City Council to adopt water use and curtailment rules by resolution; and

WHEREAS, the City wants to establish a water supply shortage curtailment plan to guide the City Council and City of Tualatin staff in the event of a water shortage due to constraints related to the supply or distribution of water resources; and

WHEREAS, the City's curtailment plan will undertake a variety of curtailment actions depending on the time of year and the expected duration of any water supply shortage; and

WHEREAS, adoption of the City's curtailment plan will allow the City to communicate with residents about the need to reduce water use and allow for enforcement of water use violations;

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF TUALATIN, OREGON, that:

Section 1. The City Council adopts the City's Water Supply Shortage Curtailment Plan, which is attached Attachment A and by this reference incorporated.

Section 2. The City Manager is authorized to implement and enforce the Water Shortage Curtailment Plan as appropriate.

Section 3. This resolution is effective upon adoption.

INTRODUCED AND ADOPTED this 11th day of January, 2016.

CITY OF TUALATIN, OREGON

BY  _____
Mayor

APPROVED AS TO FORM

BY  _____
City Attorney

ATTEST:

BY  _____
City Recorder

Water Supply Shortage Curtailment Plan

City of Tualatin



Updated – January 11, 2016

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I. Introduction

The City of Tualatin is responsible for providing clean, healthful and reliable water to our community now and in the future. The City of Tualatin's water is purchased from the City of Portland, Portland Water Bureau, primarily from the Bull Run Watershed and the Columbia South Shore Well Field. Additionally the City of Tualatin possesses an aquifer storage and recovery well, and has multiple interties to other regional water sources.

The City of Tualatin adopted a Water Master Plan and the updated Water Management and Conservation plan in 2013. The Water Master Plan and Conservation Plan will be reviewed and updated as necessary. The water supply shortage curtailment plan was developed as part of the City's overall Emergency Preparedness program, taking into account such issues as public health, safety and community economic conditions. The plan will help guide City of Tualatin staff and water users in the event of a water shortage due to circumstances beyond the City's control, including weather conditions, natural catastrophe or human impacts on the City's water supply system or sources making it necessary to apportion the City's water. City of Tualatin may undertake a variety of curtailment actions, depending on the time of year and the expected duration of any water supply shortage.

Throughout any such shortage, City of Tualatin will continue to pursue the following objectives:

- Maintain adequate volume of high-quality potable water supplies for all City of Tualatin customers.
- Provide clear customer communications and rapid customer service. Be consistent with public needs based on information shared to date.
- Promote water use efficiency.
- Control costs that come with curtailed water use, such as losses in revenue, or higher-cost water supplies (e.g., the purchase of peaking water from Portland).
- Have an equitable impact on all users—public and private, urban and suburban, business and residential. Prioritize actions to have the least permanent negative impact.

II. Phased Curtailment Plan

During any stage, no person shall waste City water.

Stage 1: Routine Summer Advisory

City of Tualatin predicts that we will face these conditions each summer, as warm dry weather settles into the region and drawdown of the Water Sources begin. Summer water use typically doubles or triples winter use, as customers begin to irrigate their landscapes, wash cars, and use water for cooling purposes.

Water Reduction Goals & Objectives

Each user should strive to maintain, not exceed, average summer usage levels.

Triggers (any of these)

The City Manager, at his/her discretion, may declare a Stage 1 alert based upon any of the following and shall provide notice to City Council at or before the next regularly scheduled meeting:

- Portland Water Bureau activates groundwater wells for non-maintenance or routine purposes.
- Above Average Temperatures
- Below Average Rainfall
- Greater than average water demand
- Infrastructure related matters such as water main breaks, loss of power, pumps or storage, etc.

Public Message: Voluntary Conservation Measures

- Promote already-existing conservation messages from the Regional Water Consortium (collaboration of water bureaus and water providers around the greater Portland, Oregon area) and the City of Tualatin's Conservation Plan, through the City of Tualatin's website, and social media accounts.
- Ask customers to use the Regional Water Consortium's weekly water widget to voluntarily reduce outdoor watering schedule, based on the weather.
- Place conservation reminders and tips in *Tualatin Today*, bill message, and on City of Tualatin's website. Use various venues to distribute information. Set up public information booths where opportunities exist and look for other opportunities for public outreach, such as speaking engagements, etc.

Possible City Actions

- Encourage water efficiency throughout the City of Tualatin-owned facilities, promoting conservation wherever possible and reporting suspected leaks.
- Stop City of Tualatin hydrant flushing program until fall weather patterns resume or until the water situation improves.
- Partner with Regional Water Providers Consortium to send consistent conservation messages to the media.
- Provide free leak detection test for customers who suspect a leak. City staff will help determine the location of leak, if the leak is outdoors, and offer free brochures with conservation information and free conservation devices when applicable.

Partners to Contact

- Work with local agencies to coordinate resources and provide uniform messages for water customers, and to prepare, review and/or update local water agreements and requirements regarding curtailment enforcement.

Stage 2: Moderate Water Supply Shortage

This may be a temporary condition of several days, caused by service interruptions in the region. During this time, City of Tualatin may redirect supplies to areas experiencing shortages. Or, this may be an intermediate stage of an ongoing water supply shortage. Source water may have begun “summer drawdown,” with no rain in the forecast. Customers should voluntarily limit their use of water.

Water Reduction Goals & Objectives

Decrease overall use by 5 to 10 percent.

Triggers (any of these)

The City Manager, at his/her discretion, may declare a Stage 2 alert based upon any of the following and shall provide notice to City Council at or before the next regularly scheduled meeting:

- Portland Water Bureau declares a Level 2 curtailment alert.
- City of Tualatin use reaches contractual and/or shared capacity limit for five consecutive days without successful mitigation.
- Governor issues a declaration of drought for Clackamas, Multnomah or Washington County, pursuant to ORS 536.720-740 and a Drought Monitor Rating of D2 or higher for our region.
- Extensive repairs needed on local water infrastructure including pumps, reservoirs, mains and other necessary components.

Public Message: Voluntary Conservation Measures

- Promote Stage 1 Public Message.
- Send official notification of Moderate Water Supply Shortage to City of Tualatin customers.
- In terms of a long term event such as a drought or sustained turbidity that will interfere with supply, the voluntary measures may not be adequate over time. Notification should advise of the possibility of increasing levels of curtailment activities.
- Issue a notice to the local media that the City is in a Moderate Water Supply Shortage.
- Encourage conservation through volunteer events and outreach through existing volunteer opportunities.
- Routinely publish in the *Tigard Times*, and *The Oregonian* the voluntary conservation measures that the customers are requested to follow during a Moderate Water Shortage.
- Encourage reduction in water use by 10 percent (as a rule of thumb, for example, residential customers in a four-person single-family household should try to reduce their use by about 29 gallons per household per day).
- Promote limitation of water use in commercial businesses (e.g., eliminate hosing down outdoor parking/walkway areas, do not serve water to restaurant customers unless specifically requested).
- Request elimination of wasted running water, such as unattended hoses, obvious leaks, etc.
- Encourage reduction watering of lawns, plants, trees, gardens, shrubbery, and flora on private or public property to the minimum necessary. Conduct outdoor watering between 10pm and 5am, when evaporation rates are at their lowest.
- Promote elimination of outdoor water use, including:

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- a. Washing down of hard surface areas, decks, buildings, gutters, and vehicles;
 - b. Use of freshwater in fountains, reflection ponds, and decorative water bodies for aesthetic or scenic purposes, except where necessary to support aquatic life or for features that recycle water;
 - c. Filling or maintaining private residential swimming pools or hot tubs (excluding use of children's wading pools);
 - d. Use of fire hydrants for purposes other than firefighting or flushing essential to maintain water quality.

Possible City Actions

Encourage water efficiency throughout the City of Tualatin-owned facilities, promoting conservation wherever possible and reporting suspected leaks.

- Stop City of Tualatin hydrant flushing program until fall weather patterns resume.
- Turn off automatic irrigation where applicable and reduce operating times for water based play features owned by the City of Tualatin
- Postpone enforcement of landscape ordinances.

Partners to Contact

- Partner with Regional Water Providers Consortium to send consistent conservation messages to the media.
- Contact potential institutional partners in water conservation, including local businesses that are the most affected (e.g. landscapers/green industry, commercial carwashes, nurseries, restaurants, water-intensive manufacturers, etc.).
- Make conservation presentations to Community Involvement Organizations (CIOs).
- Notify Tualatin Valley Fire and Rescue of the alert and request refraining from any training activities using City water.

Stage 3: Severe Water Supply Shortage

This is a stage of "restricted" watering; customers still have time to prepare and conserve before a loss of service. Scenarios include protracted period of drought or multi-day disruption of service across the City of Tualatin's service territory.

Water Reduction Goals & Objectives

Be able to re-direct unaffected supplies without removing any customers from the system. Decrease overall daily City water use by at least 20 percent through reduction of outdoor water use.

Triggers (any of these)

The City Manager, at his/her discretion, may declare a Stage 3 alert based upon any of the following and shall provide notice to City Council at or before the next regularly scheduled meeting:

- Portland moves to groundwater sources entirely.
- The City of Portland notifies wholesale customers that supply cannot or will not be able to meet demand.
- City of Tualatin’s distribution system experiences a significant and sustained reduction of water pressure.
- City of Tualatin use reaches contractual and/or shared capacity limit for five or more consecutive days without successful mitigation.
- Failures in the City’s Water Distribution System impacting the ability to provide reliable water service for a sustained period.

Public Message: Mandatory Curtailment Measures

The City will encourage or promote the following:

Promote Stage 1 and Stage 2 public messages. Focus efforts to educate and encourage indoor and outdoor water conservation. Encourage residents to cache a supply of water for drinking purposes. Reduction of all water use by 20 percent, beginning with outdoor use (as a rule of thumb, for example, residential customers in a four-person single-family household should try to reduce their use by about 58 gallons per household per day). Repair leaks in hoses, faucets, and couplings.

The City will Mandate the following prohibitions of City water Use	
Type of Use Prohibited	Exceptions
i. Irrigation of established lawns/grass /turf (those at least six weeks old); Chemical applications to lawns/grass/turf that requires subsequent watering	Commercial sod farms, high-use athletic fields used for organized play, and daycare providers.
ii. General landscaping	Hand watering of edible garden plants, ornamental plants and flowers permitted between 10pm and 5am
iii. Washing down of hard surface areas, decks, buildings, gutters, or vehicles.	
iv. Ornamental fountains, reflection ponds, and decorative water bodies for scenic purposes.	Water used to support aquatic life
v. Filling of swimming pools, hot tubs or water based play features	
vi. Use of fire hydrants	Firefighting or flushing essential to maintain water quality
vii. Expansion of commercial nursery facilities, placing new irrigated agricultural land in production, or planting or landscaping when required by site design review process.	

viii. Water served only upon request in restaurants and other commercial facilities	
ix. Installations of new, additional, further expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains or other water service facilities of any kind	

Possible City Actions

- Place messages in *Tualatin Today*, bill message and on the City Web site/social media, as well as on billboards, bus-sides, TV, radio, and movie theatre ads. Turn off automatic irrigation where applicable and decrease time availability of water features owned by the City of Tualatin.
- Issue a statement that the City is experiencing a Severe Water Supply Shortage; notify the local media and send official notification to City of Tualatin customers.
- Routinely publish in the *Tigard Times*, *Tualatin Life* and *The Oregonian* the mandatory restrictions to be placed on the use of water supplied by the City.
- Publicize the penalties to be imposed for violations of mandatory restrictions and the procedures to be followed if a variance in the restrictions is requested, through the media and public outreach efforts, including door hangers.
- Activate conservation information line, including the current supply situation, voluntary measures, and conservation tips.
- Implement the enforcement provisions of City of Tualatin’s *Water Supply Shortage Curtailment Plan*.
- City of Tualatin will not reimburse customers for bottled water or hotel stays resulting from any Water Supply Shortage.

Partners to Contact

- Contact critical water users to discuss preparation and planning for a Stage 4 curtailment situation. Inform landscape / green industry of prohibitions on irrigation and chemical applications that require irrigation.
- Inform landscape / green industry of prohibitions on irrigation and chemical applications that require irrigation.
- Work with CIOs and HOA’s to temporarily suspend regulations that require the use of water (Landscape requirements, etc.).
- Notify Tualatin Valley Fire and Rescue of the alert and request to refrain from any training activities using City water and request measures to establish and enforce a ban on open burning.

Stage 4: Critical Water Supply Shortage

This may include emergency conditions under which little or no water is flowing to customers (as in the case of natural disasters that result in sudden and acute water loss). It may be necessary for the City to proceed directly to Stage 4. Or, this scenario may indicate an

extended period of time in which demand outstrips supply.

Water Reduction Goals & Objectives

Protect safety, health, and economic livelihood.

Triggers (any of these)

The City Manager, at his/her discretion, may declare a Stage 4 alert based upon any of the following and shall provide notice to City Council at or before the next regularly scheduled meeting:

- Portland reduces and/or is unable to provide water to the City of Tualatin, from its system, or the City cannot meet customer demands for water.
- Supplies are either physically cut off or become unavailable.
- City of Tualatin use reaches contractual and/or shared capacity limit for five consecutive days without successful mitigation.
- Governor declares statewide drought, U.S. Drought Monitor identifies a regional drought of D3 or greater.
- The City of Tualatin declares a water related emergency.

Public Message: Mandatory Curtailment Measures

The City will Mandate the following prohibitions of City water Use	
Type of Use Prohibited	Exceptions
i. All outdoor water use	
ii. Non-essential residential water use	Basic sanitation, drinking and culinary uses
iii. Non-essential commercial and industrial water use	Fire protection, human health and sanitation
iv. Installations of new, additional, further expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains or other water service facilities of any kind	

- Additional curtailment conditions may be implemented by, or on behalf of the Portland Water Bureau or the State of Oregon.

Possible City Actions

- Issue a statement that the City is experiencing a Critical Water Supply Shortage.
- Issue media releases.
- Place reminder messages in *Tualatin Today*, in the bill message and on the City Web site/social media, as well as on billboards, bus-sides, TV, radio, and movie theatre ads.
- Activate conservation information line on the current supply situation, voluntary measures, and conservation tips.

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- Contact ORWARN (Oregon Water/Wastewater Agency Response Network) for utility help if appropriate.
 - Enact the appropriate provisions of the Emergency Management Plan and if necessary, conduct the following emergency actions:
 - a. Activate City of Tualatin's Emergency Operations Center (EOC).
 - b. Begin rationing water as needed.
 - c. Activate any curtailment agreements previously negotiated with customers.
 - d. Open interconnections with neighboring water suppliers.
 - e. Bring ASR well on-line.
 - City of Tualatin will not reimburse customers for bottled water or hotel stays resulting from any Water Supply Shortage.

Partners to Contact

- Notify Tualatin Valley Fire and Rescue of the alert and request to refrain from any training activities using City water.
- Activate any previously agreed upon curtailment arrangements with customers.
- Inform developers of the moratorium on all new water service connections and water main extensions.
- Notify and work with neighboring water providers.
- Activate partnerships with bottled water manufacturers, National Guard, Red Cross or other water distributors if needed.
- Contact the Washington County Emergency Management Cooperative for additional resources and open burning, fire pit and fireworks ban.

III. Enforcement

Violation of this Curtailment Plan is considered prohibited conduct under TMC 3-3-200(1) and subject to civil infraction as provided in TMC 3-3-200(2).