

Stage 2 Water Shortage Emergency

DSRSD Board Meeting
September 21, 2021



**Dublin San Ramon
Services District**

Water, wastewater, recycled water

2021 Water Supply Conditions



**Cumulative local/
state rainfall is below
normal**



**5% allocation from the
State Water Project**



**Zone 7 plans to
acquire water
transfers
(20% of demand)**



**Zone 7 will maximize
recovery of water from
local and Kern
Groundwater banks
(50% of demand)**



Zone 7 Water Supply Projections for 2022

Source	0% SWP Allocation Reduced GW & bank recovery	5% SWP Allocation
State Water Project - (Table A)	-	4,000
State water Project - Carryover (2021 to 2022)	10,000	10,000
Yuba/Dry-Year Water Transfer Programs	500	1,000
Lake Del Valle Local Yield - 2021 Carryover	-	-
Other Water Transfers	-	-
Groundwater Production	14,000	13,200
Semitropic-(Pumpback)	9,500	9,500
Semitropic-(Exchange)	-	-
Cawelo	10,000	10,000
Lake Del Valle Local Yield - 2022 Capture	-	700
Total Available Supply	44,000	48,400
Treated Water Demands	38,400	38,400
Untreated Water Demands	5,800	5,800
State Water Project Carryover *	9,320	9,620
Transfer Water Carriage Loss/System Loss	600	700
Total Projected Demands	54,120	54,520
Surplus/(deficit)	(10,120)	(6,120)
% Surplus/(deficit)	-19%	-11%

- » On September 1, 2021 Zone 7 Declared a Stage 2 Water Shortage Emergency
- » 15% mandatory conservation from retailers

* Zone 7 targets annual carryover of 10,000 AF.

Reference: Zone 7 September 1, 2021, Agenda Item No. 4

Water Shortage Contingency Plan

» Identifies shortage response actions for each stage with water use efficiency

Shortage Level	Percent Shortage Range	Shortage Response Actions (Narrative description)
1	Up to 10%	Voluntary Reduction
2	Up to 20%	Minimum Reduction
3	Up to 30%	Moderate Reduction
4	Up to 40%	Significant Reduction
5	Up to 50%	Severe Reduction
6	>50%	Critical Reduction



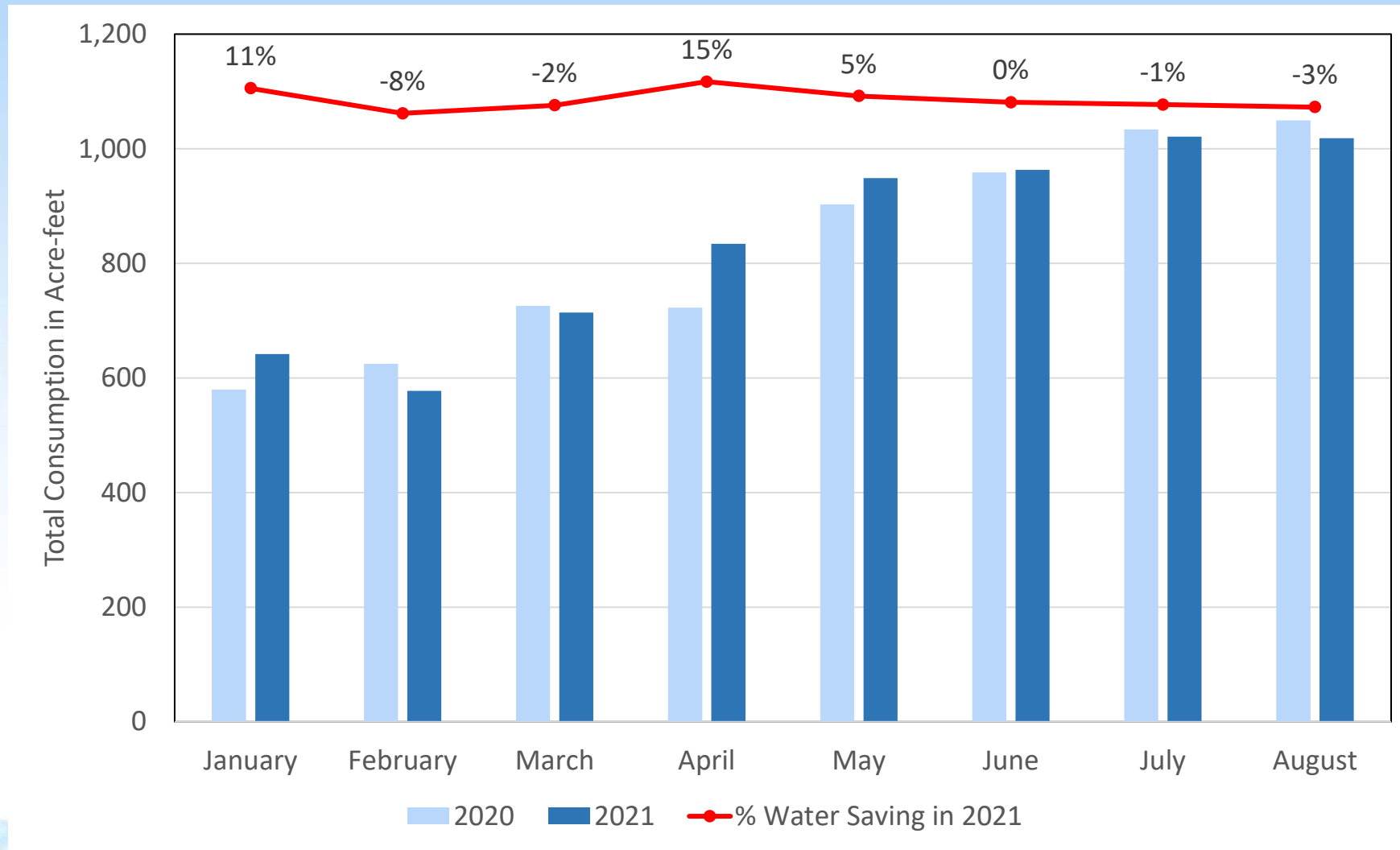
Stage 2 Water Use Regulations

- » Repair all leaks within 24-hour notification period
- » Prohibit landscape irrigation during and within 48 hours of measurable rainfall
- » Require hotels to offer “opt out” of linen service
- » Require commercial kitchens to use pre-rinse spray valves
- » Decrease District line flushing
- » Prohibit use of potable water for construction and dust control
- » Prohibit use of potable water for washing hard services, except for repainting or making repairs
- » Limit landscape irrigation to three, non-consecutive days per week

Staff recommends the Board adopt, by resolution, a more stringent one day/week watering restriction from November through February

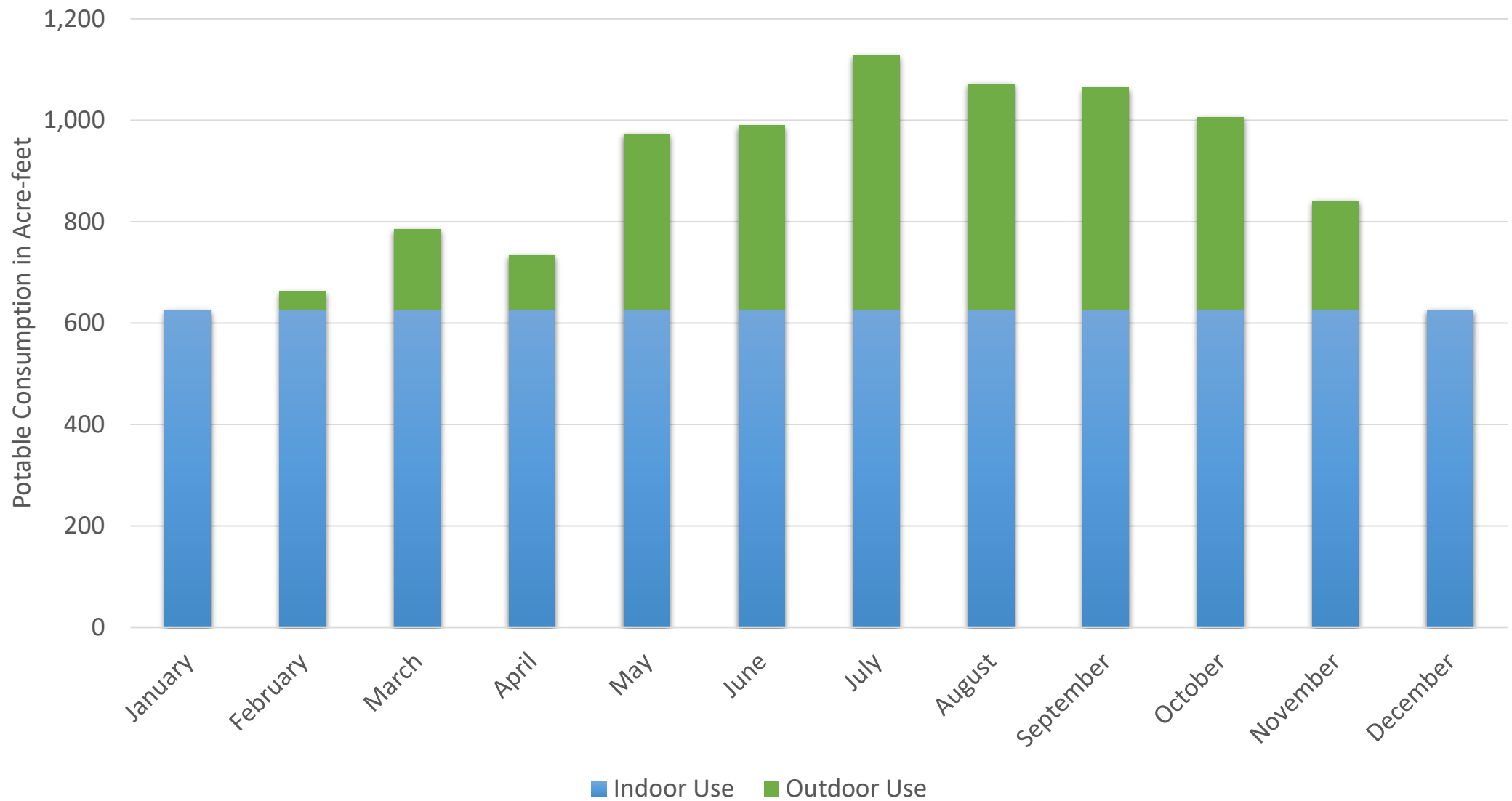


System-wide Potable Water Consumption 2021 vs 2020



Year-to-date
potable water
use has increased
by 2% versus
2020

2020 Potable Consumption





Conservation Rebate Programs

SAVE WATER, SAVE DOLLARS!

Zone 7 offers multiple rebate programs to encourage water conservation, along with tips and resources that make becoming water-wise as easy as possible for the residents of the Tri-Valley. We believe that appreciating the true value of water should be part of our community's way-of-life, so we are incentivizing ways to make that happen. *Effective July 1st, rebate amounts for High Efficiency Washers and Lawn Conversions are being increased. Check back for details.*

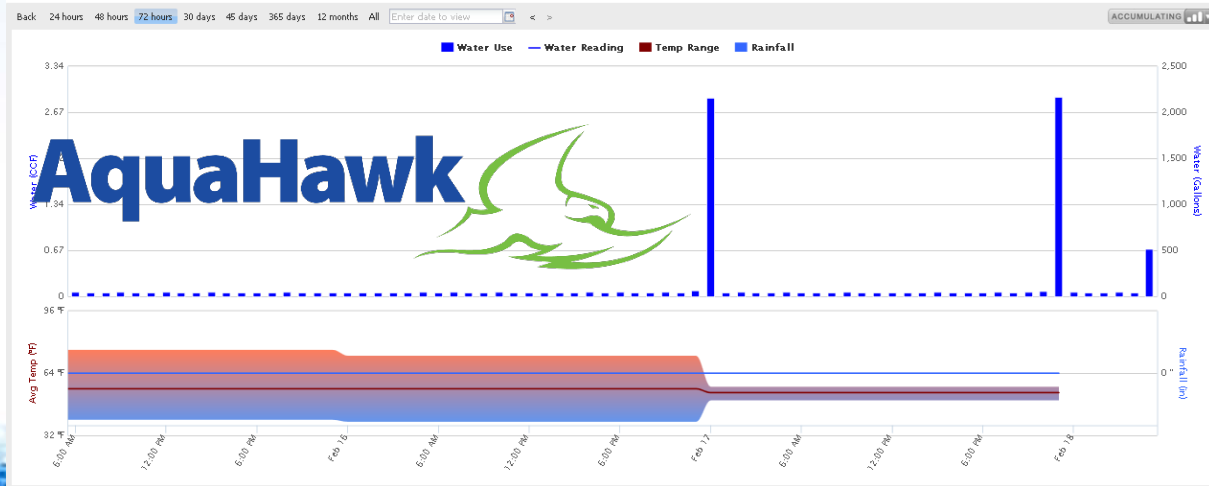
Rebate: High Efficiency Clothes Washer



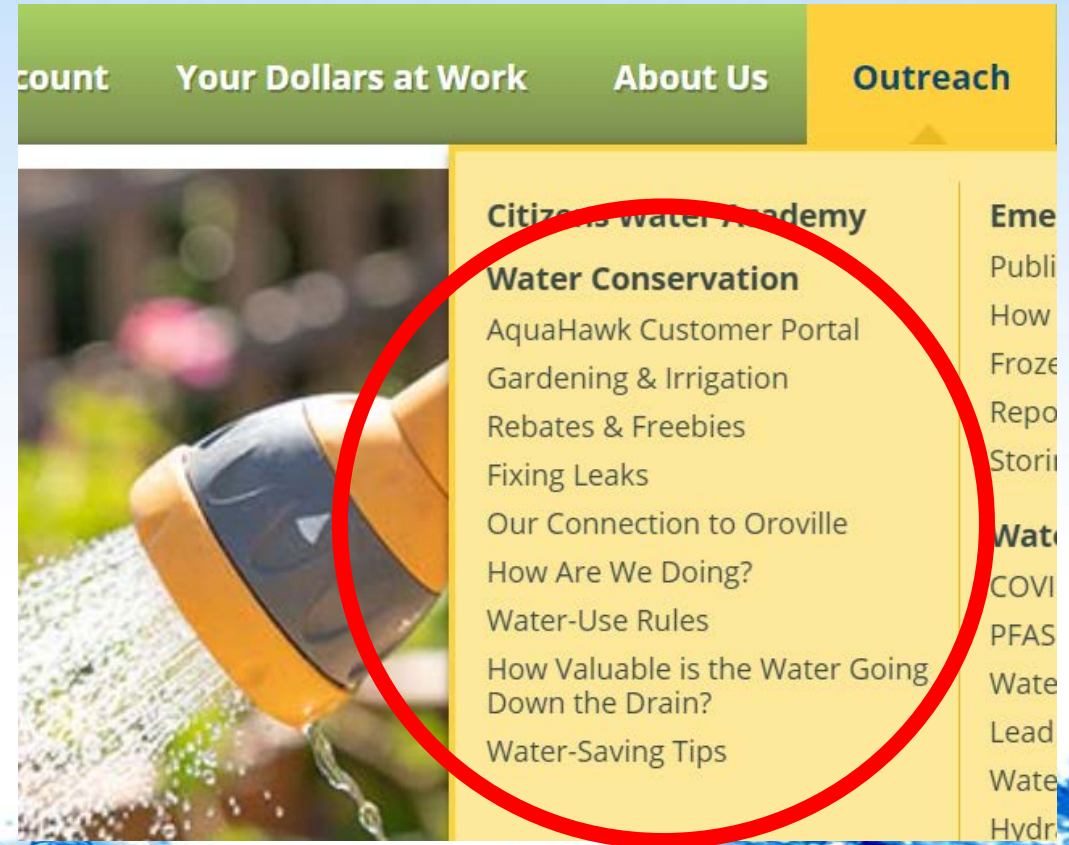
Rebate: Water-Efficient Lawn Conversion



Rebate: Weather-Based Irrigation Controllers



Conservation Messaging



Recommendations

» Staff recommends the Board approve, by Resolution, the declaration of a Stage 2 Water Shortage Emergency

- Puts into effect Stage 2 water use regulations and actions in order to achieve a mandatory 15% reduction in potable water use

» Staff further recommends the Board limit irrigation during the months of November through February to one day per week

- Also authorizes the General Manager to allow irrigation during this period to be increased to up to two nonconsecutive days/week





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Questions?

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