

Declaration of a State of Emergency due to Drought and Activation of Water Shortage Contingency Plan at Stage 3 – Water shortage Emergency

Las Virgenes Municipal Water District

Regular Board Meeting

November 2, 2021

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Director of Engineering and External Affairs

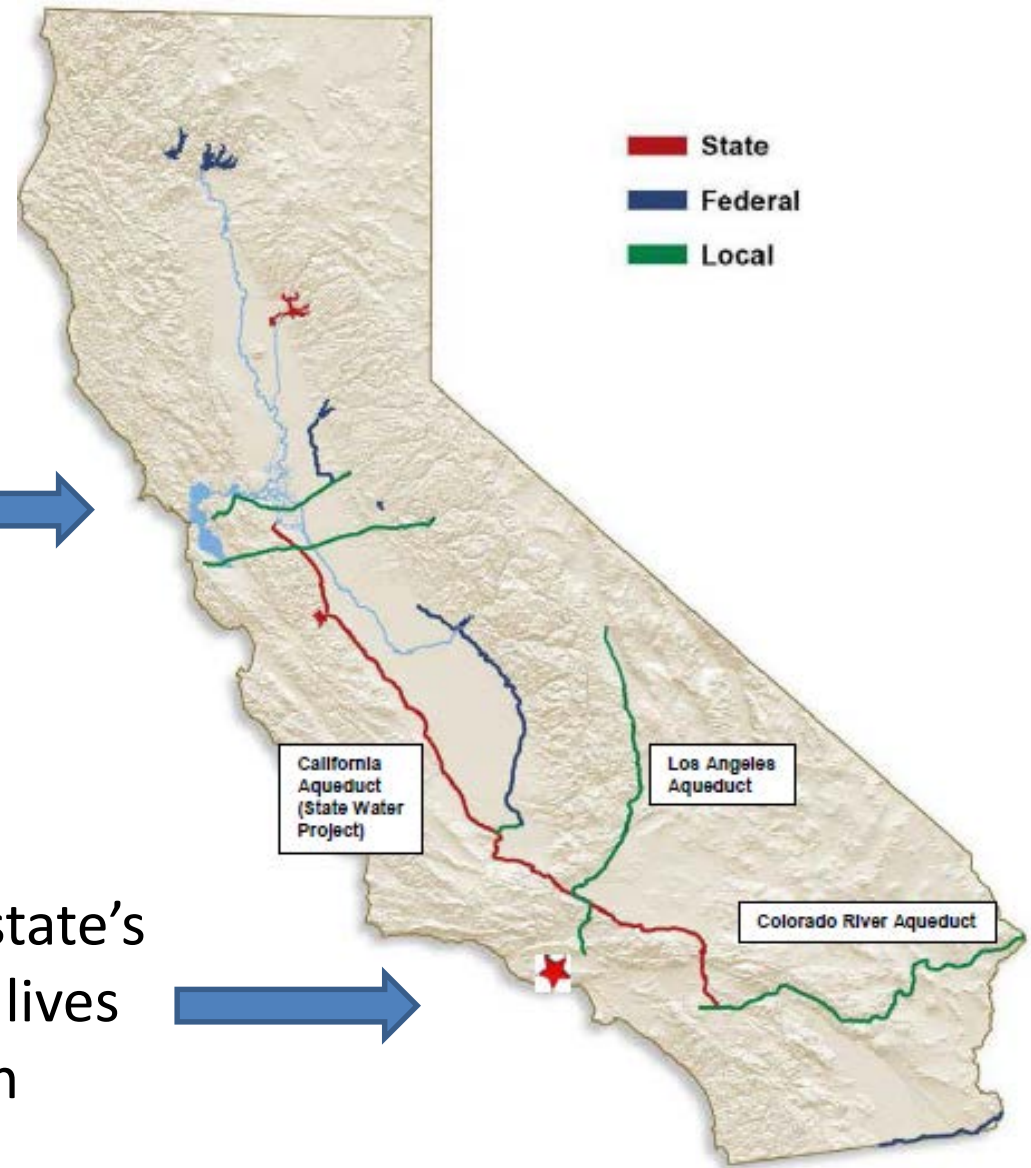


Sources of California's Water

2/3 of the state's water falls in the north

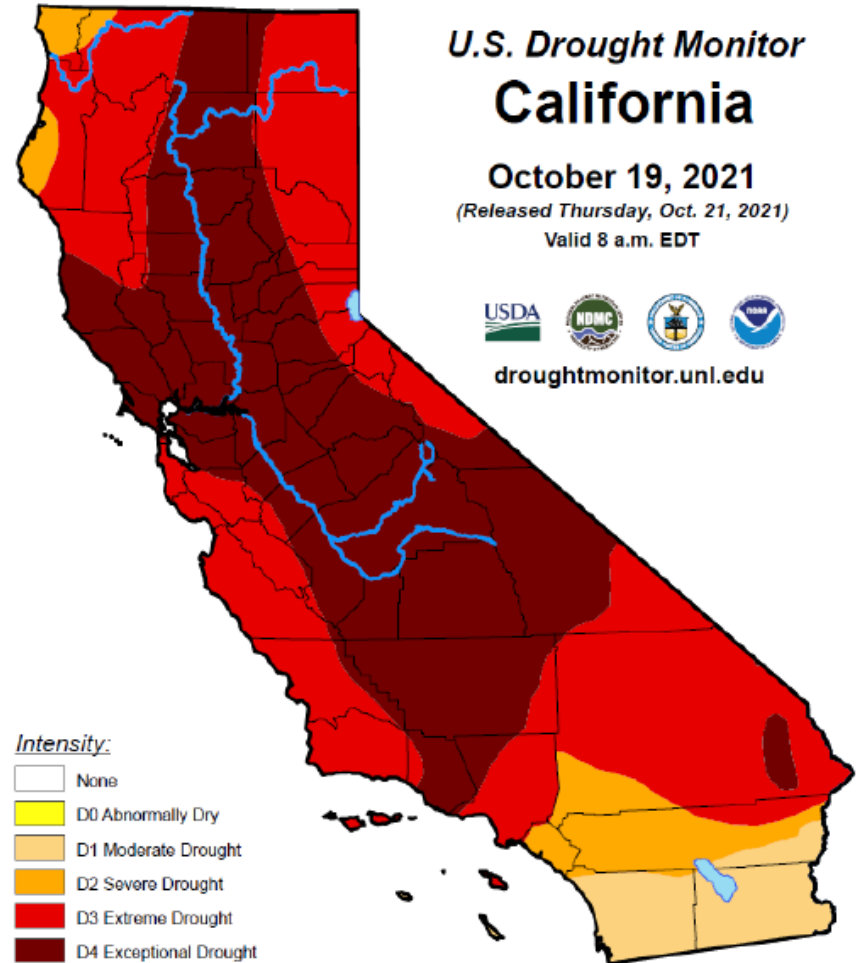


2/3 of the state's population lives in the south



Statewide Drought

- Two consecutive years of drought on heels of 2012-16 statewide drought.
- Below average snowpack, record high temperatures and runoff that did not materialize.
- Major reservoirs well below average levels.
- Groundwater basins are being overdrawn.
- Water rights being curtailed.
- Urban, agricultural and environmental uses all impacted.



Reduced Runoff and Low Reservoirs



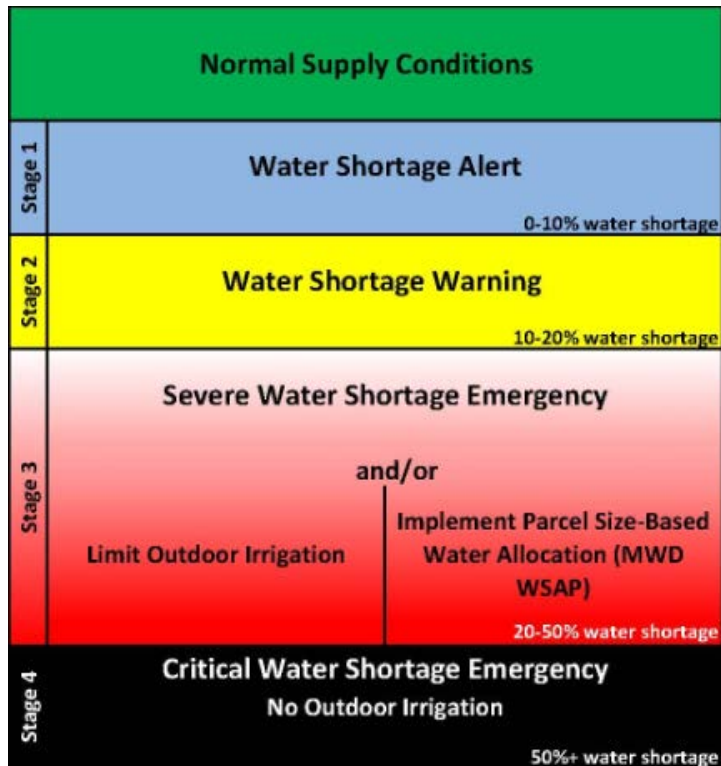
Governor and State Actions



- April 21st – Initial Declaration of Drought Emergency
- May 10th – Drought Emergency expanded to 41 counties
- July 8th – Drought Emergency expanded to 50 counties and call for 15% reduction in statewide water use
- October 19 – Call to redouble conservation efforts and expansion of drought emergency statewide, including Los Angeles County



Regional and Local Actions



- June 15th – District declared a Stage 1 Water Shortage Alert
- July 20th – District declared a Stage 2 Water Shortage Warning and called for 15% voluntary reduction in water use
- August 17th – MWD issued Water Supply Alert
- November 2nd – (Recommendation) District Declaration of Drought and Activation of Stage 3
- November 16 – (Pending) Adoption of Changes to the Administrative Code to Adjust Penalty Structure



WATER SHORTAGE CONTINGENCY PLAN STAGES

Stage 1 – Water Shortage Alert

Stage 1 is a condition resulting in a 0 to 10% water shortage necessitating a voluntary water use reduction. The District will initiate a public information campaign to increase awareness of water conservation measures specified in Section 3-4.404. Customers are expected to perform voluntary water use reductions and adhere to on-going water conservation measures.



WATER SHORTAGE CONTINGENCY PLAN STAGES

Stage 2 – Water Shortage Warning

Stage 2 is a condition resulting in a 10 to 20% water shortage necessitating a higher level of voluntary water use reduction. The District will expand the public information campaign and step up enforcement of water conservation measures. Customers are expected to re-double voluntary water use reductions and strictly adhere to water conservation measures.



WATER SHORTAGE CONTINGENCY PLAN STAGES

Stage 3 – Water Shortage Emergency

Stage 3 is a condition resulting in a 20 to 50% water shortage necessitating mandatory water use reductions. Depending on the severity of the shortage, the District will intensify the public information campaign and expand enforcement of water conservation measures. Additionally, the Board will determine the appropriate drought factor for water budgets if necessary.



WATER SHORTAGE CONTINGENCY PLAN STAGES

Stage 4 – Critical Water Shortage Emergency

Stage 4 is a condition resulting in a 50% or higher water shortage necessitating prohibition of outdoor water use for irrigation, pools, and fountains. The District will implement crisis communications and activate its Emergency Operations Center. Customers shall be required to terminate all outdoor use except as necessary to protect public health and safety. Additionally, the Board will determine reduction in indoor water budgets if necessary.



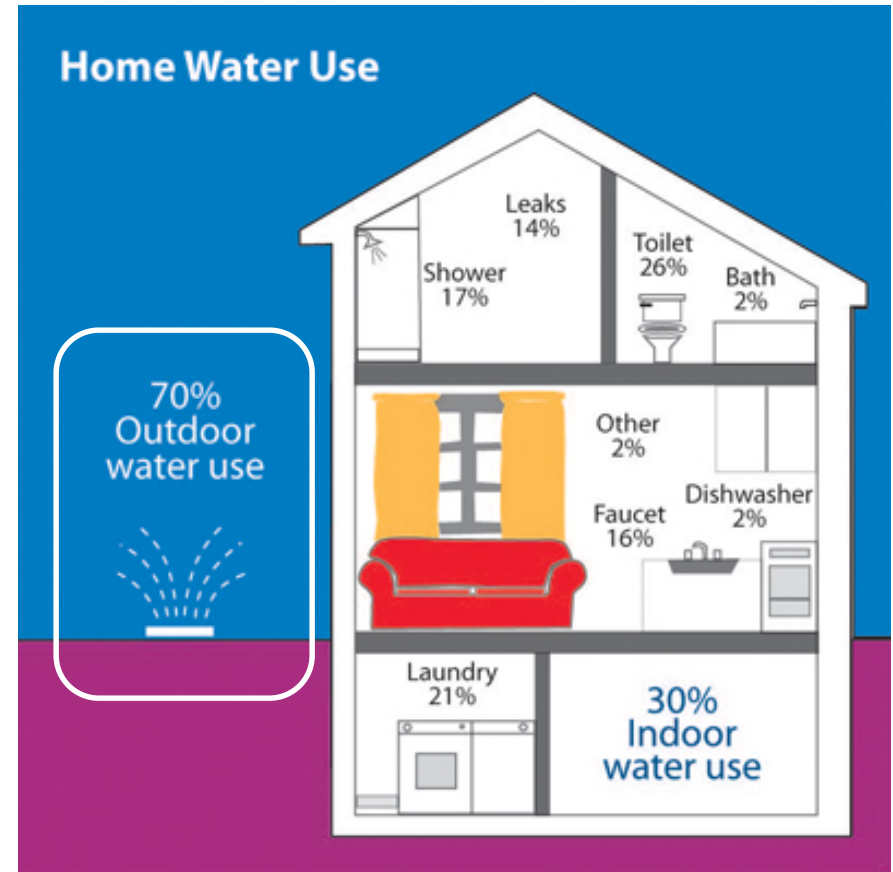
Why Stage 3 Now ?????

- Voluntary efforts have not been successful
- Reliance on the State Water Project
 - Likelihood of a zero percent allocation
- Per Governor’s Proclamation: “.....must take into account the possibility of a third consecutive dry year”
- Help head off Stage 4 (No Outdoor Watering)
- Customer response time



What Does it all Mean for us?

- Reduce outdoor water use by 25% (75% of outdoor budget).
- Eliminate water waste.
- Take advantage of available conservation rebates/incentives.



Adjustment to Water Budgets

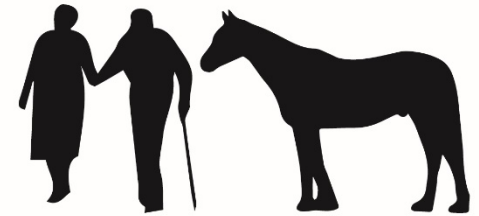
WATER BUDGET =



Indoor
(people)



Outdoor
(landscape)

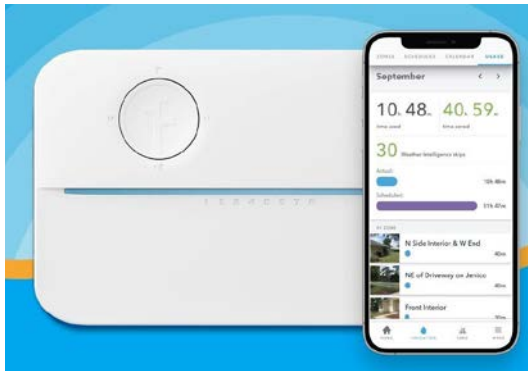


Adjustment
(elderly care, horses, etc.)

**Drought Factor -
0.75 (proposed)**



Take “Control” of your Irrigation Controller

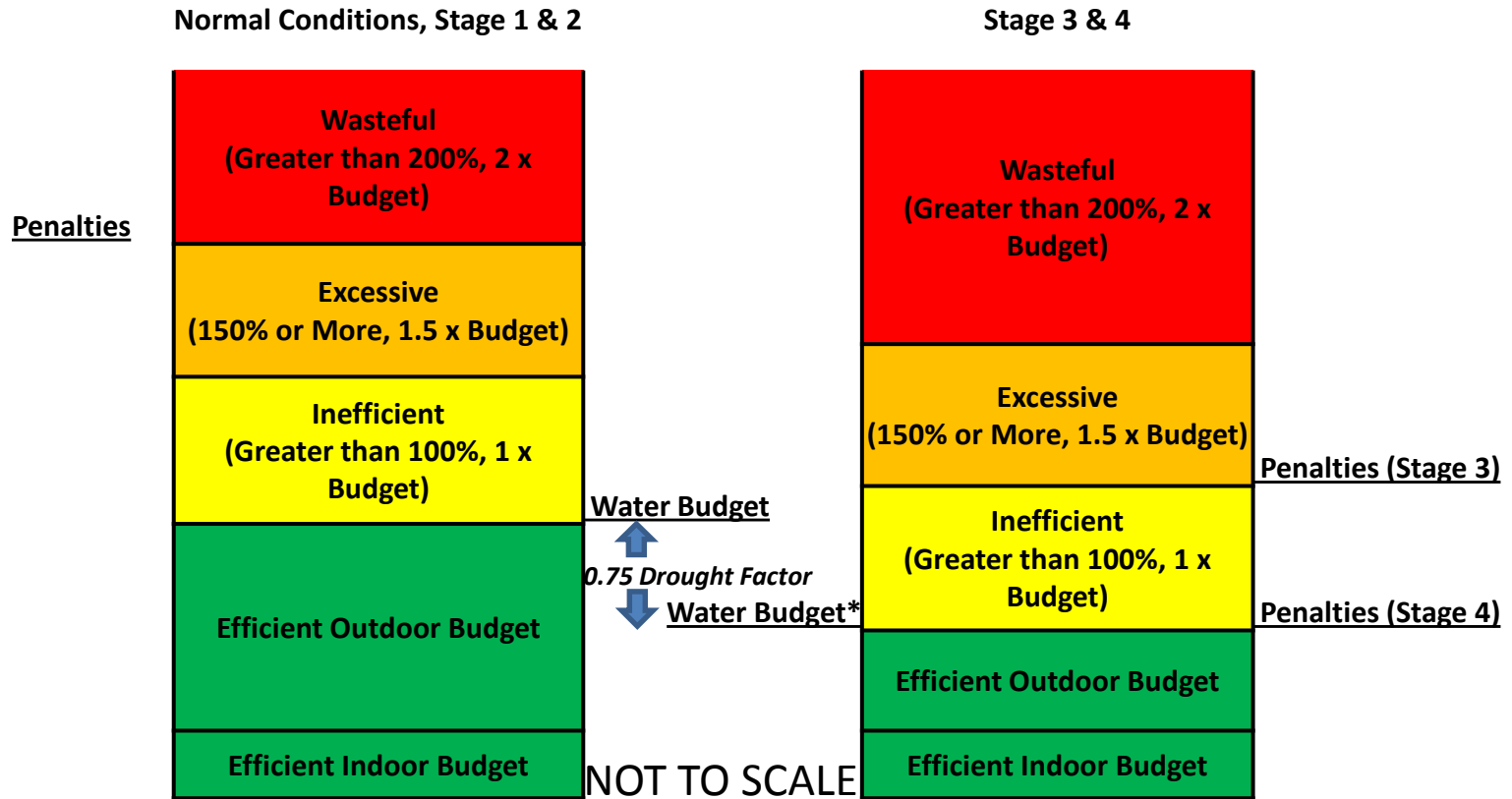


Steps:

1. Find the controller.
2. Check days and duration.
3. Days x Duration = total minutes per week.
4. Multiple by 0.75.
5. Spread over multiple days.



Proposed Application of Drought Factor and Adjustment of Penalty Structure



*Overall Budget Reduction of 17.5%+/-
(based on 70% Outdoor Water Budget)



Mandatory Measures Always in Effect

- No irrigation between 10 a.m. and 5 p.m.
- Irrigation may not occur during or 48 hours following a rain event.
- Irrigation may not result in excess runoff.
- Washing down of sidewalks and driveways is prohibited.
- Trigger nozzle is required on hoses used for home car washing.
- Hotels/motels must give multi-night guests the option not to have towels and linens replaced daily.
- Restaurants may only serve water upon request.



Enforcement (Stage 3)

- Door hanger/Warning Letter
- Escalating fine structure (\$100, \$200 or \$500)
- For usage exceeding 150% of water budget, District may apply wasteful water use penalty or install flow restriction device (pending code changes).



Conservation Rebates

- Landscape Transformation Program (\$2/ft²)
- Premium High-Efficiency Toilet (\$40)
- High-Efficiency Clothes Washer (\$85)
- Weather-Based Irrigation Controller - \$99 cost via LVMWD Rachio Program
- Rain Barrel (\$35)
- Rotating Sprinkler Heads (\$2/nozzle)
- Soil Moisture Sensor System (\$80)



Community Outreach

- Customer Newsletter
- Customer Mailer/Post Card
- Press Release
- Ads in Local Papers
- TV/Radio/Billboards
- LVMWD Website
- Outreach to HOAs
- Social Media
- City Council Updates



Everyone Can Help

Anonymous Reporting

Send a photo or e-mail from
your smartphone to:

stopthewaste@LVMWD.com

or

Call LVMWD (818) 251-2200



Recommendation

Pass, approve and adopt proposed Resolution No. 2599, declaring a state of emergency due to water shortage from drought conditions in the State of California and activating the Water Shortage Contingency Plan at Stage 3 – Water shortage Emergency

Resolution No. 2599

A RESOLUTION OF THE BOARD OF DIRECTORS OF LAS VIRGENES MUNICIPAL WATER DISTRICT DECLARING A STATE OF EMERGENCY DUE TO WATER SHORTAGE FROM DROUGHT CONDITIONS IN THE STATE OF CALIFORNIA AND ACTIVATING THE WATER SHORTAGE CONTINGENCY PLAN AT STAGE 3 – WATER SHORTAGE EMERGENCY

