



PINE-STRAWBERRY WATER IMPROVEMENT DISTRICT

General Managers Report

May 26, 2022

View from the #26 trail above Whispering Pines looking West into Pine



1.) Water loss: April lost and unaccounted for water was 22% based on the numbers reported. Well production is at 40% of online well capacity.

2.) The SV-1 boosters have been replaced, which gave us a good look at this pressure zone, which enabled us to pinpoint two significant leaks, at a combined 24 gpm. See chart on left before and after.

3.) Wrong pipe. PVC schedule 40 glue joint. Wrong Glue, and no evidence of primer, hence pipe separation.





4.) During The last month 634 man-hours were dedicated to leak repairs.

5.) 42 leak reports were logged, all were responded to the same day, or within a few hours.

6.) The leak on the left was at the Rimwood Y. Schedule 40 pipe laying on a rock.

7.) As of 5/25/22 at 12:45 pm we have two leaks open that are being investigated.



- 8.) Rimwood Y leak after main was shut down.
- 9.) Crew using a hammer and chisel.
- 10.) We have a backhoe mounted jackhammer scheduled for delivery sometime in July.

- 11.) We have four wells that have cleared any encroaching septic issues, and we are seeking bids to deepen them.
- 12.) Septic encroachment research is turning out to be laborious, tedious work and we are moving as quickly as possible.
- 13.) The County Community Development folks have been and continue to be very cooperative and a big help.

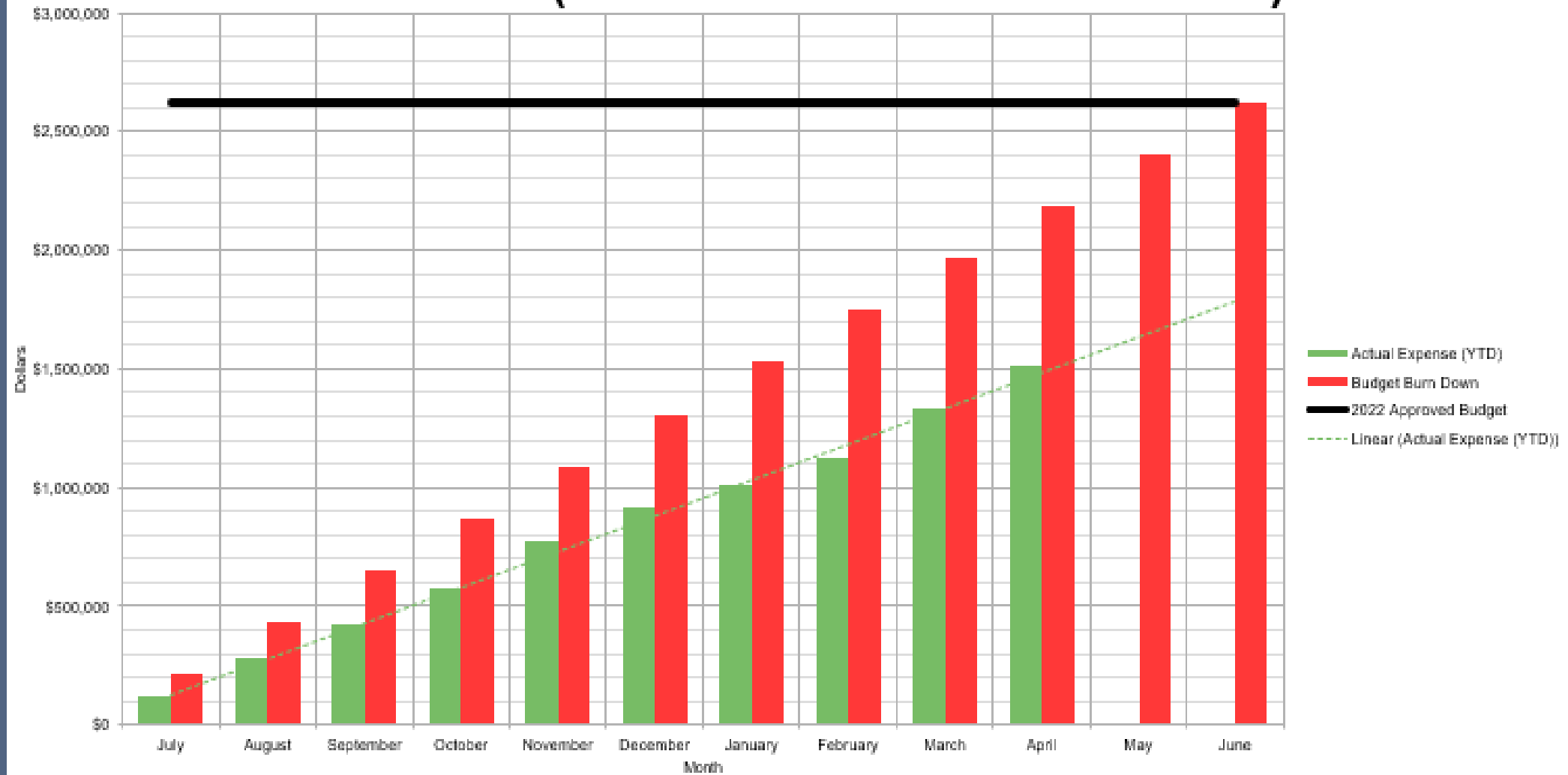


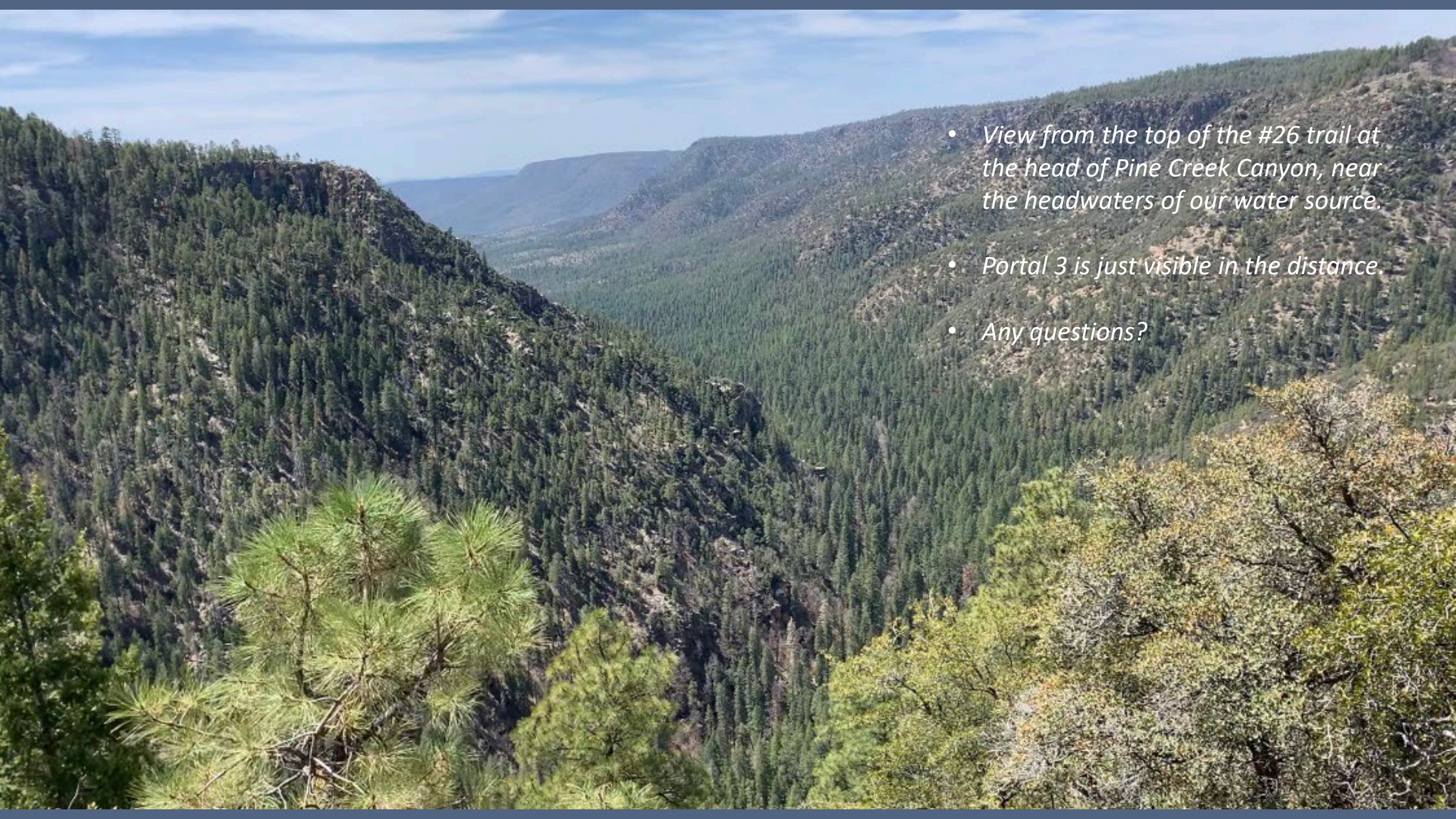
- 14.) Staff has made last-minute changes to the drought preparedness plan, draft below.
- 15.) Staff is also working last minute sign changes, draft on the right.
- 16.) We are looking for a graphic artist to come up with a Mogollon Monster holding a sign pointing at the stage number displaying the percentage of water to save.

PSWID Water Conservation and Drought Management			
Increasing Drought Severity			
STAGE 1: Normal	STAGE 2: Moderate	STAGE 3: Severe	STAGE 4: Extreme
SUPPLY: The District water storage or well production has been maintaining 100% of supply for 72 hours, or it is expected to do so for the next 7 days.	SUPPLY: The District water storage or well production has been maintaining 75% of supply for 72 hours, or it is expected to do so for the next 7 days.	SUPPLY: The District water storage or well production has decreased to 50% of supply for 48 hours, or it is expected to do so within the next 7 days.	SUPPLY: The District water storage or well production has decreased to 25% of supply for 48 hours, or it is expected to do so within the next 7 days.
REDUCE % Restrictions: Measures in ALERT 1 are in effect. The District will request customers to voluntarily reduce water consumption by 10% per household, and to limit water use by implementing the following measures:	REDUCE % Restrictions: Measures in ALERT 2 are in effect. The District will request all water usage to be reduced 15% for each household, and to limit water use by implementing the following measures:	REDUCE % Restrictions: Measures in ALERT 3 are in effect, with some being restricted or prohibited. The District will request all water usage to be reduced to 20% for each household, and to limit water use by implementing the following measures:	REDUCE % Restrictions: Measures in ALERT 4 are in effect, with most being restricted or prohibited. The District will request all water usage to be reduced to 25% for each household, and to limit water use by implementing the following measures:
IRRIGATION: Limit outdoor watering and irrigation to 1x per week with the exception of lawns.	IRRIGATION: Limit outdoor watering and irrigation to every other day following the calendar address method with the exception of lawns.	IRRIGATION: Outdoor watering and irrigation is prohibited on Mondays to allow systems to regenerate with the exception of lawns.	IRRIGATION: Outdoor watering and irrigation will be prohibited on Mondays, Wednesdays, Fridays, and Sundays to allow systems to regenerate with the exception of lawns.
DUST CONTROL: Limit washing of driveways, sidewalks, and parking lots for dust control.	DUST CONTROL: PSWID water use for dust control is prohibited in watering except to protect public health and to meet county requirements.	DUST CONTROL: PSWID water use for dust control is prohibited except to protect public health and to meet county requirements.	DUST CONTROL: PSWID water use for dust control is prohibited unless approved by the District and to meet 20th County requirements.
COMFORT: Limit use of outdoor misting systems. Customers are encouraged to limit artificial surface cooling misting systems.	COMFORT: All customers are encouraged to wear and Stage 2 hat when they are outside.	COMFORT: Use of water misting systems is prohibited.	COMFORT: Customers are encouraged to not use water outdoors except for watering lawns.
RESTRICTIONS: Filling swimming pools, pools, wading pools, hot tubs and jacuzzi type pools, pools, etc. drain to landscaping or irrigation.	RESTRICTIONS: Filling swimming pools, wading pools, hot tubs and jacuzzi type pools, pools, etc. drain to landscaping or irrigation.	RESTRICTIONS: Filling swimming pools, wading pools, hot tubs and jacuzzi type pools are prohibited unless specifically required to maintain structural integrity, proper operation and maintenance, and/or to alleviate an issue that poses a public safety risk.	RESTRICTIONS: Filling and draining of swimming pools, wading pools, hot tubs and jacuzzi type pools are prohibited. If they must be drained, it is suggested they be drained into landscaping and not into storm or street.
WASH: Limit vehicle washing, or use recycled water such as grey water. Customers are encouraged to limit water efficient toilets and fixtures to conserve water. Customers are encouraged to harvest rainwater for outdoor uses and any watering. Limit use of any other outdoor water consuming activities.	WASH: Vehicle washing is prohibited and customers are encouraged to use automatic car washes that use recycled water. Customers are encouraged to harvest and use rainwater for outdoor uses and any watering. Customers are encouraged to use recycled water for irrigation.	WASH: All other vehicles, including RVs, boats, and any other of the sort are required to implement water conservation measures by encouraging patrons to use recycled water. District also recommends handwashing water conservation measures, including: proper operation and maintenance, and/or to alleviate an issue that poses a public safety risk.	WASH: Customers are highly encouraged to implement water saving measures in their homes. For example, shorten shower time using the "military shower" method, limit use, turning water off while washing hands, brushing teeth, using dishes, and general cleaning.
DISTRICT ACTIONS: Water service may be halted intermittently within sections of the service area to allow systems to regenerate. Drought surcharge and/or high usage fees may be implemented, or high usage customers may risk disconnection.	DISTRICT ACTIONS: Water service may be halted intermittently within sections of the service area to allow systems to regenerate. Drought surcharge and/or high usage fees may be implemented, or high usage customers may risk disconnection.	DISTRICT ACTIONS: Water service may be halted intermittently within sections of the service area to allow systems to regenerate. Drought surcharge and/or high usage fees may be implemented, or high usage customers may risk disconnection.	DISTRICT ACTIONS: Water service may be halted intermittently within sections of the service area to allow systems to regenerate. Drought surcharge and/or high usage fees may be implemented, or high usage customers may risk disconnection.
DISTRICT ACTIONS: Notice Requirements: The District will notify customers of drought conditions (include in water bills, post in public places, the District's website, and social media) such notice will notify the customers of the general nature of the problem and the need to conserve water.	DISTRICT ACTIONS: Notice Requirements: The District will notify customers of drought conditions (include in water bills, post in public places, the District's website, and social media) such notice will notify the customers of the general nature of the problem and the need to conserve water.	DISTRICT ACTIONS: Notice Requirements: The District will notify customers of drought conditions (include in water bills, post in public places, and email) such notice will notify the customers of the general nature of the problem and the need to conserve water. The "low air" system will be implemented for outages.	DISTRICT ACTIONS: Notice Requirements: The District will notify customers of drought conditions (include in water bills, post in public places, and email) such notice will notify the customers of the general nature of the problem and the need to conserve water. The "low air" system will be implemented for outages.



2022 PSWID Operations Budget Burn (Does not include Debt Service)



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- *View from the top of the #26 trail at the head of Pine Creek Canyon, near the headwaters of our water source.*
 - *Portal 3 is just visible in the distance.*
 - *Any questions?*