



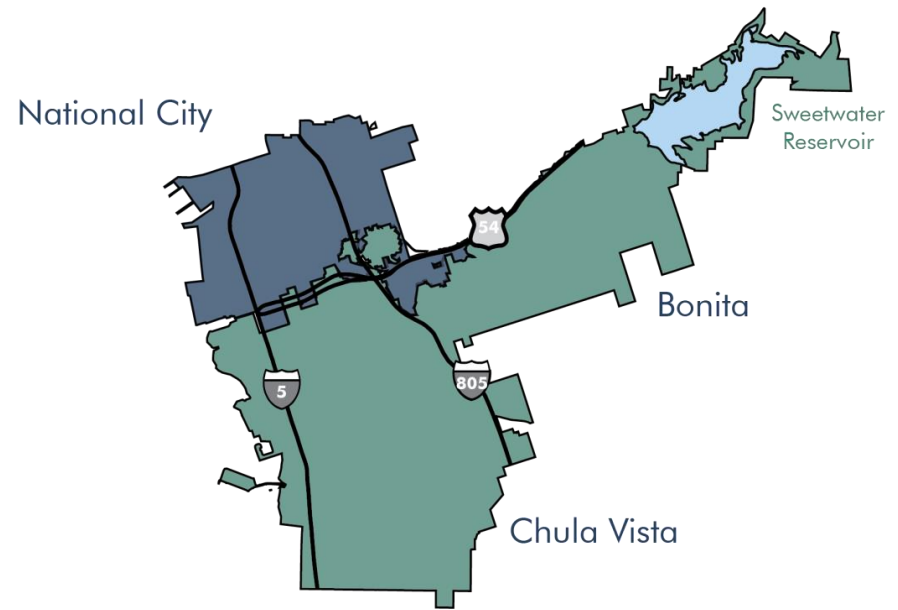
August 3, 2021

Drought Preparedness: Water Reliability and Resilience in National City

Jennifer Sabine, Interim General Manager

About Us

- Safe, reliable water since 1977
- 32 square mile service area
- Approx. 200,000 customers
- 2 dams, 2 reservoirs, 20 storage tanks and 17 pump stations
- Surface water treatment, groundwater desalination, freshwater wells and imported water



Current Conditions

Snow Pack at Phillips Station



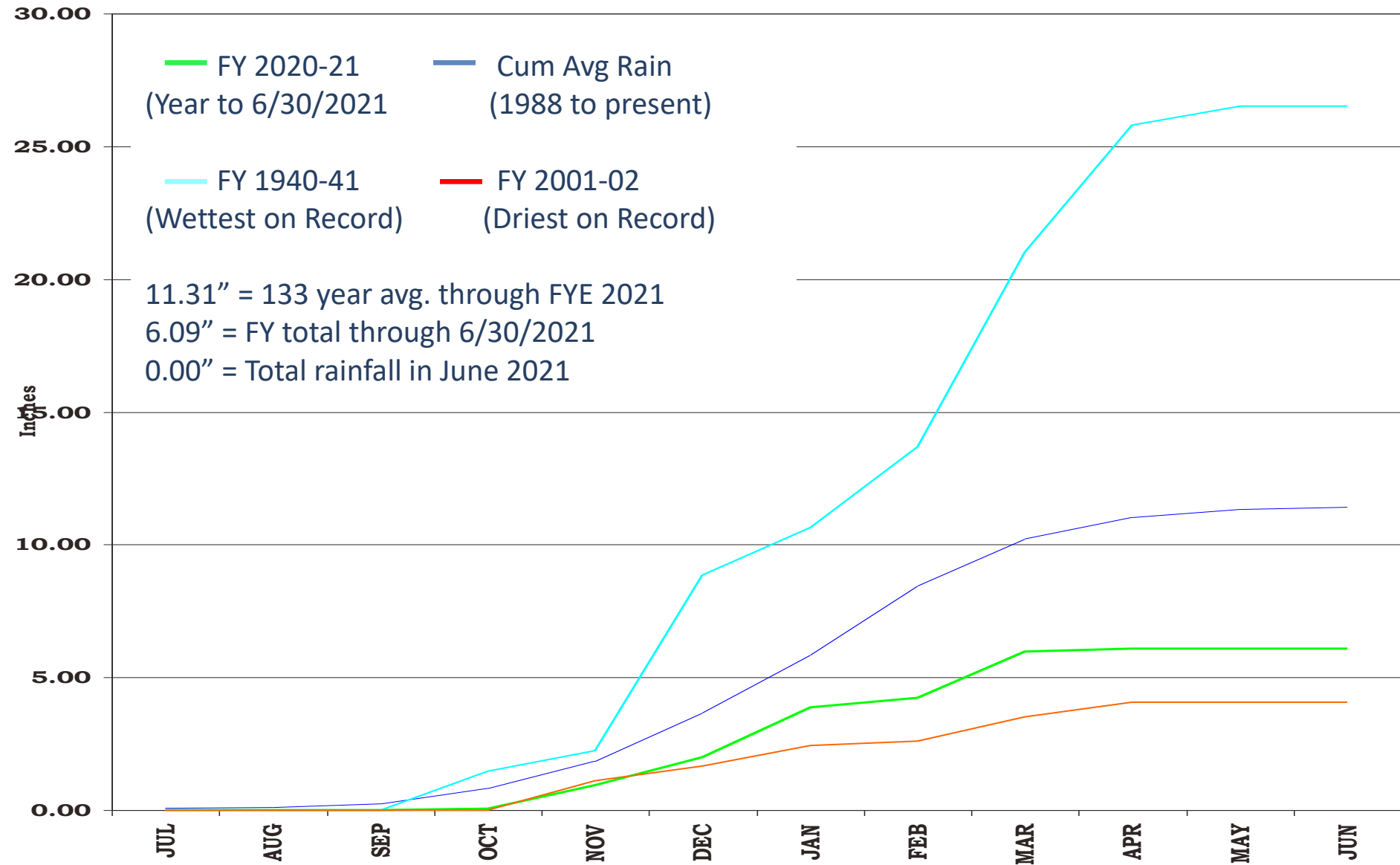
Boat Docks at Lake Folsom



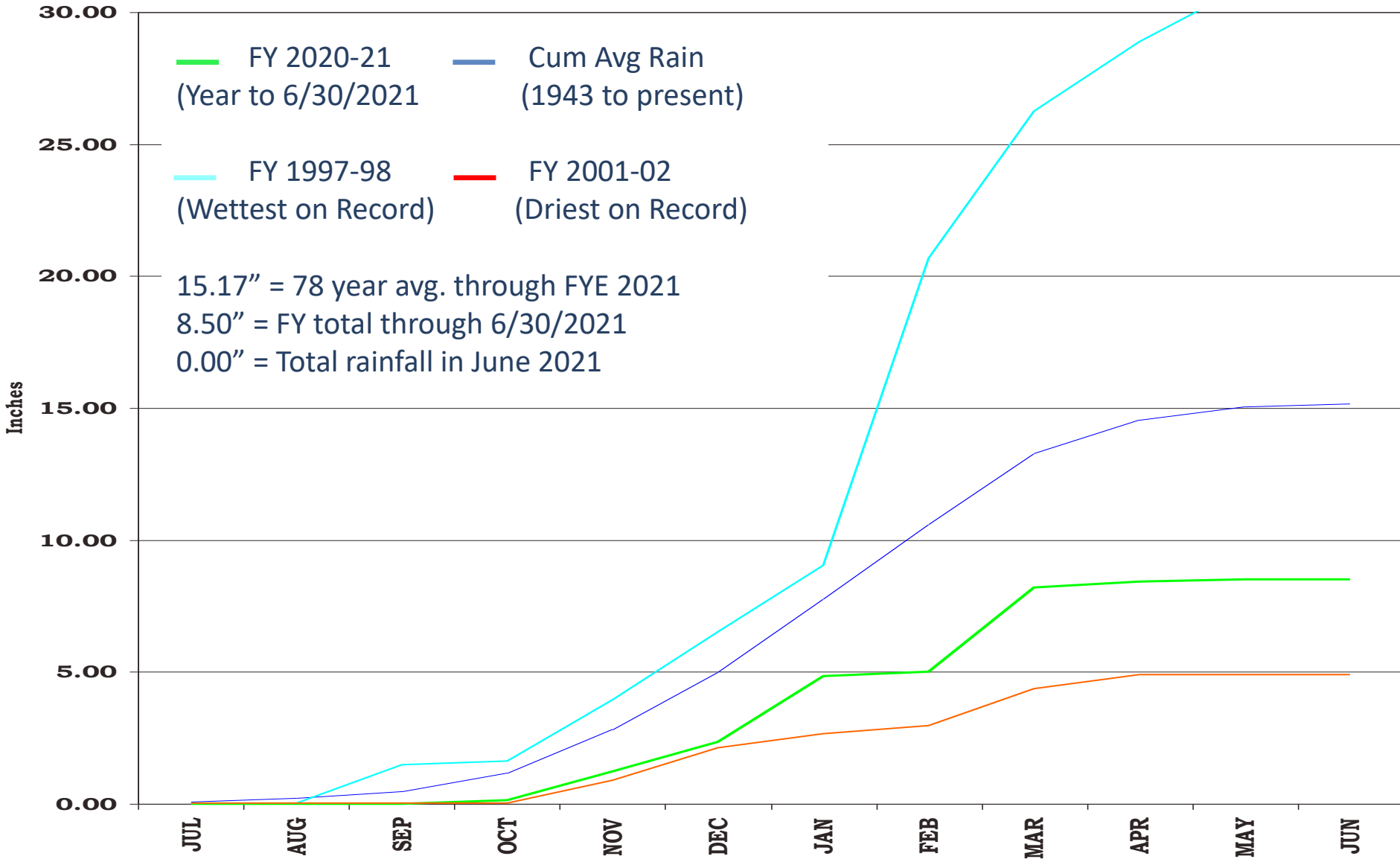
Bridge over Lake Oroville



Rainfall – Sweetwater Reservoir



Rainfall – Loveland Reservoir



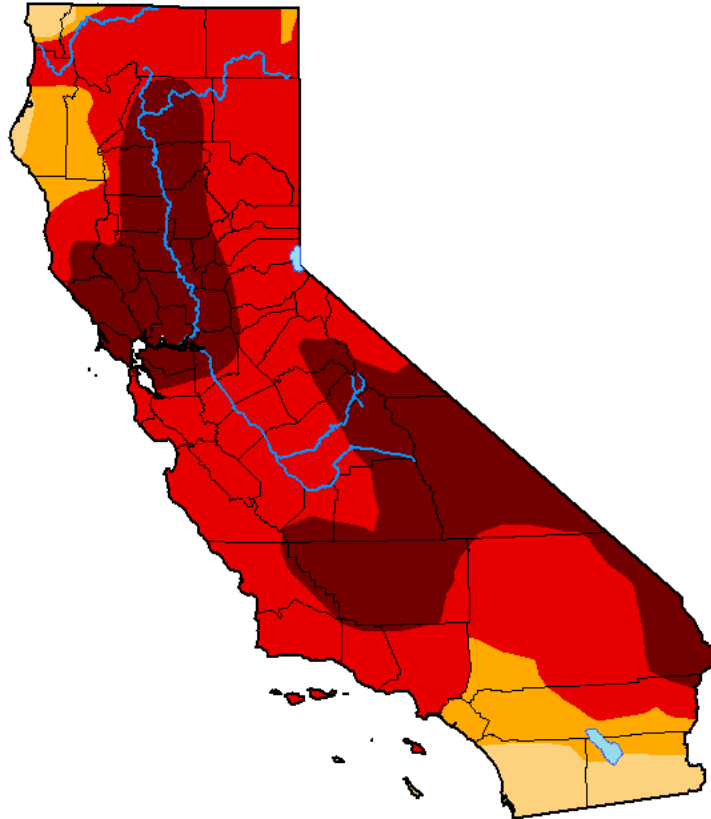
Are we in a drought?



San Diego County is in a “moderate drought”

U.S. Drought Monitor California

July 13, 2021
(Released Thursday, Jul. 15, 2021)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	94.75	85.73	33.32
Last Week <i>07-06-2021</i>	0.00	100.00	100.00	94.73	85.44	33.32
3 Months Ago <i>04-13-2021</i>	0.78	99.22	94.14	76.97	38.68	5.36
Start of Calendar Year <i>12-29-2020</i>	0.00	100.00	95.17	74.34	33.75	1.19
Start of Water Year <i>09-29-2020</i>	15.35	84.65	67.65	35.62	12.74	0.00
One Year Ago <i>07-14-2020</i>	40.38	59.62	48.19	21.50	2.45	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

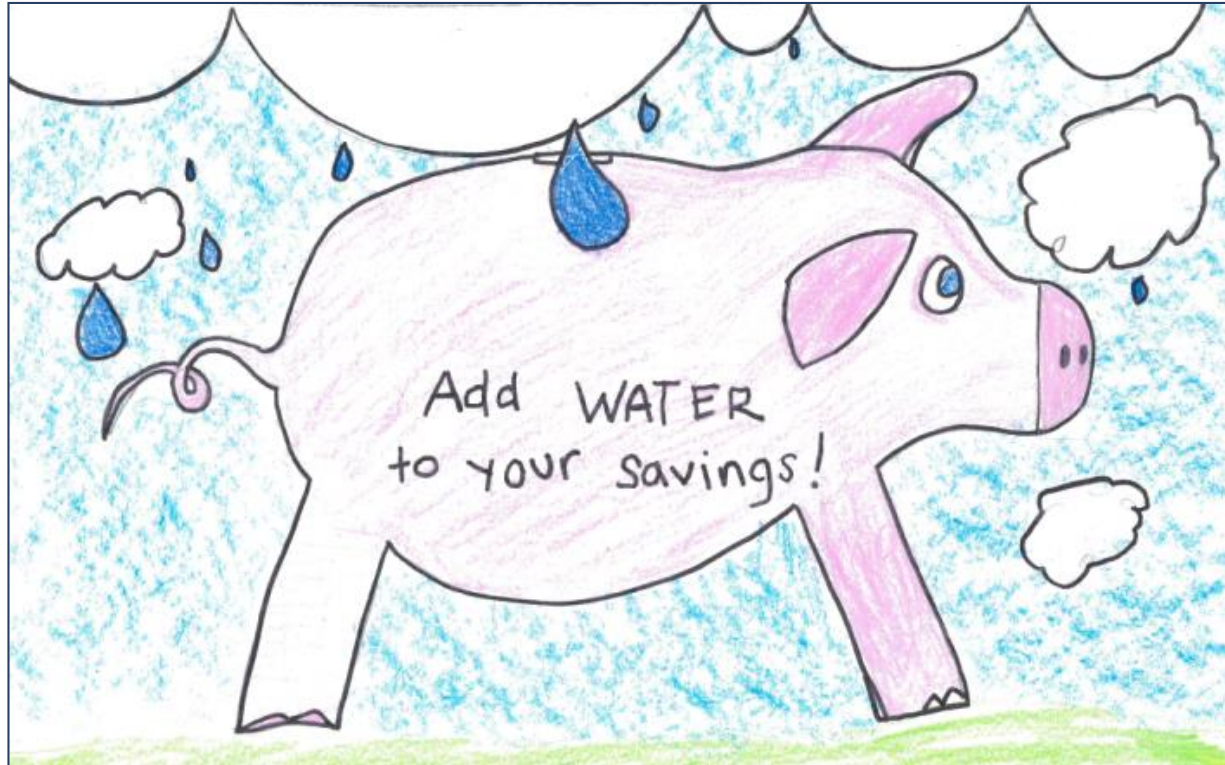
Adam Hartman
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu



Due to careful planning and investment, we are prepared for dry years and drought



Liam Thomas, Daly Academy, Sixth Grade (2018)

Surface Water

Sweetwater Authority recently transferred approx. 8,300 AF to Sweetwater Reservoir for more local supplies – keeping rates low!



Groundwater Supplies

Reynolds Desalination Facility



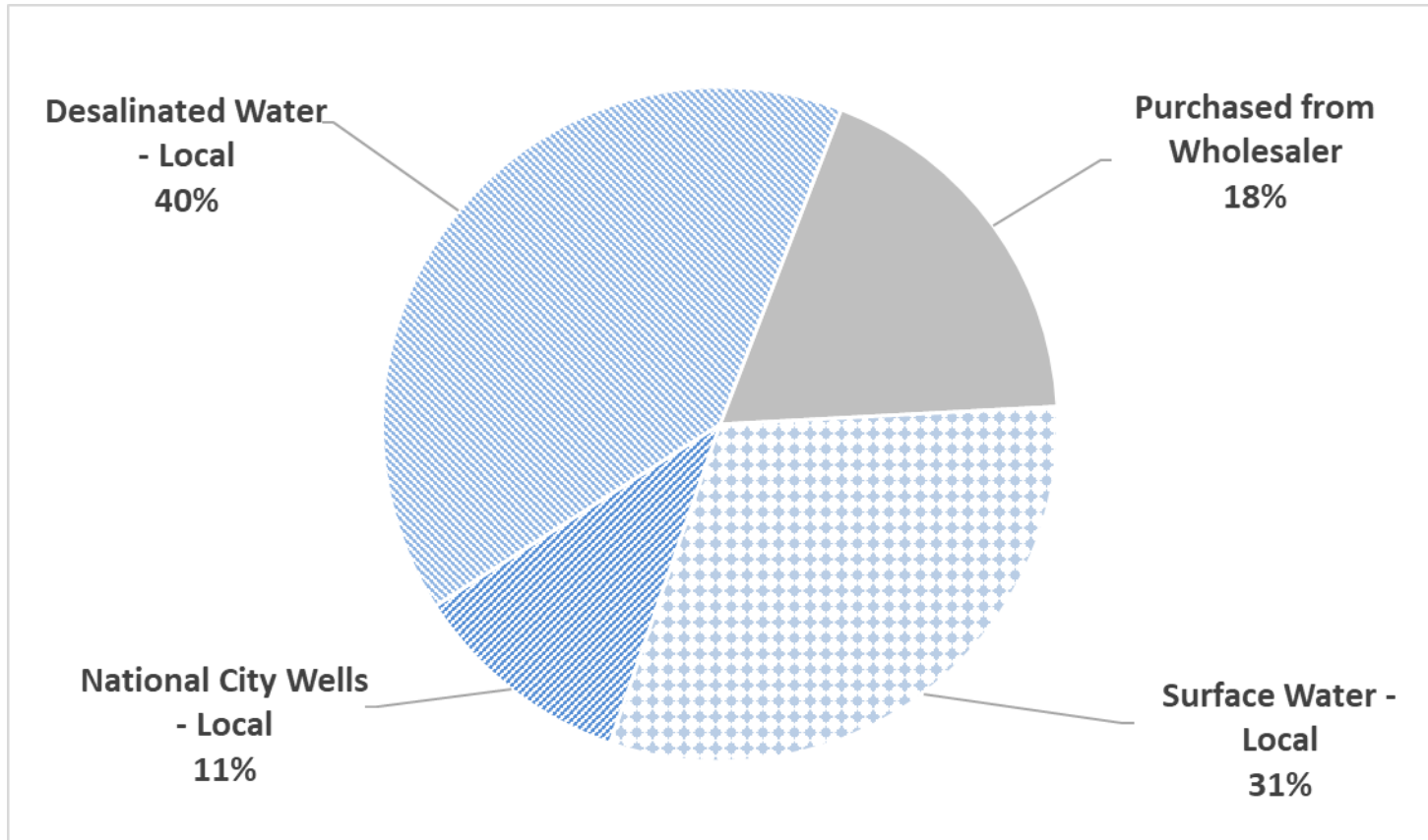
National City Freshwater Wells



Water Purchased from County Wholesaler



Water Portfolio for FY2021-22



Conservation – A California Way of Life

Sweetwater Authority customers are some of the lowest water users (per capita) in the region and in the State

Local Ranking – 3rd lowest out of 20 reporting agencies

State Ranking - 41st lowest out of 374 reporting agencies

Since 2013, Sweetwater Authority customers have reduced water consumption by nearly 15%!



Drought Planning (Drought Response Plan)



Drought Level	Percent Reduction in water use	Voluntary/Mandatory
Level 1 – Drought Watch	10	Voluntary
Level 2 – Drought Alert	20	Mandatory
Level 3 – Drought Alert	30	Mandatory
Level 4 – Drought Critical	40	Mandatory
Level 5 – Drought Emergency	50	Mandatory
Level 6 – Drought Emergency	>50	Mandatory



Drought Response Plan – State Water Waste Prohibitions

At all times customers are prohibited from:

- Hosing off sidewalks/driveways/hardscape except for public health and safety
- Washing vehicles with hoses not equipped with a shut off nozzle
- Non-recirculating fountains or decorative features
- Watering lawns in a manner that causes runoff
- Watering lawns within 48 hours of precipitation



Drought Response Plan – Level 1

Customers are encouraged to:

- Use water reasonably and productively at all times
- Repair major water leaks immediately and minor leaks within 24 hours
- Use an automatic shut-off nozzle for watering landscape
- Use drip methods or hand watering for landscaped areas, when possible
- Limit sprinkler operations to the hours of 6:00 P.M. – 9:00 A.M. the following morning; and to
- Irrigate no more than 3X/week



Resources to Assist – Rebates/Incentives

- Car Wash Rebates (Up to \$10)
- Fix a Leak Credit (Up to \$75)
- Smart Leak Detector (\$100)
- Residential Landscape Turf Replacement (\$3/sq. ft.)
- Irrigation Nozzles and Controllers (varies)
- Rain Barrels (\$35)
- High Efficiency Toilets (\$40) and Clothes Washers (\$85)
- Pressure reducing valves (\$75)
- And more!!

See the Rebates Section of the Authority's website



Resources to Assist – WaterSmart Check Up

A free(!) water use audit for homes and businesses.

Checkups include:

- leak check at the customer's meter
- leak detection tablets for toilets, and
- review of landscape irrigation controller settings
- suggestions for more water efficient indoor appliances



Other investments in National City

Flushing Program – All
Distribution Lines recently
flushed utilizing no-
discharge technology

Iron and Manganese
Removal Facility at
National City Wells (\$4.6
million)





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www.sweetwater.org

(619) 420-1413