

CITY OF YUBA CITY
STAFF REPORT

Date: April 20, 2021
To: Honorable Mayor & Members of the City Council
From: Public Works Department
Presentation by: Diana Langley, Public Works Director

Summary

Subject: Water Supply Update
Recommendation: Note and file report.
Fiscal Impact: Informational Item Only

Purpose:

To provide an update on the City’s current water supply outlook.

Background:

The City of Yuba City obtains water for its water system through four different permits/contracts from the Feather River (Table A). The City also has access to one groundwater well located at the Water Treatment Plant (WTP) for use in drought or emergency conditions.

Table A: Yuba City Water Sources

Water Source	Annual Allotment	Time of Use
SWRCB License 13855	6,500 AF	September - June
SWRCB Permit 18558	9,000 AF	October - June
North Yuba Water District	4,500 AF	Summer
DWR State Water Project	9,600 AF	Year Round
Backup Groundwater Well (WTP)	1,200 AF	As Needed
Total:	30,800 AF	

Historically, SWRCB License 13855 (License 13855) and the North Yuba Water District (NYWD) have been reliable sources of water. During below normal runoff years, SWRCB Permit 18558 (Permit 18558) is typically restricted so that no water can be drawn under the permit starting May through September. The DWR State Water Project Contract (SWP Contract) is typically subject to restrictions, with the most severe restrictions occurring in 2014 with a 5% allotment.

During California’s 2013-2017 drought, the City utilized the backup groundwater well at the WTP, “carryover” water from the SWP Contract to supplement supplies, and encouraged customers to

conserve water. Customers did an excellent job reducing consumption during the 2013-2017 drought, and adopted long-term habits that reduced water consumption overall. Through these efforts, the City was able to meet water demands. The City’s contractual water supply, historical water uses for 2013-2020, and projected water demand for 2021 are shown in Figure 1.

Analysis:

On March 23, 2021, the Department of Water Resources issued *Notice to State Water Contractors No. 21-06: 2021 State Water Project Allocation Decrease – 5 Percent* to decrease the 2021 water allocation to 5% due to persistent dry conditions. With a SWP Contract supply of 5%, it is anticipated that the City will need to utilize the backup groundwater well at the WTP and “carryover” water from previous allocations of the SWP Contract to meet projected demands. Table B shows water available for 2021.

Table B: Yuba City Water Sources Available – 2021

Water Source	Annual Allotment	Time of Use
SWRCB License 13855	1,887 AF	September - June
SWRCB Permit 18558	4,443 AF	October - June
North Yuba Water District	4,500 AF	Summer
DWR State Water Project	480 AF	Year Round
Backup Groundwater Well (WTP)	1,000 AF	As Needed
SWP Contract “Carryover” Water	4,908 AF	Summer
Total:	17,218 AF	

With a projected water demand of 15,228 AF and available water supply of 17,218 AF, there should be enough water to meet demands for 2021. However, if the persistent dry conditions continue beyond 2021, there may be issues in meeting current water demands. The City is in the process of updating the Urban Water Management Plan, including the Water Shortage Contingency Plan. Should water supplies become an issue, the City will implement the Water Shortage Contingency Plan.

To increase awareness of the persistent dry conditions in California, staff will prepare educational materials to distribute to customers regarding water rebate programs available through the City for WaterSense® labeled toilets, smart irrigation controls, and showerheads, the importance of checking irrigation systems to make sure they are working properly, and other ways to manage water consumption. Also, with the Cellular Meter Retrofit project that is currently under construction, customers will be able to access real-time water usage information, including notifications of potential leaks.

Fiscal Impact:

There is no fiscal impact at this time.

Alternatives:

There are no alternatives to consider.

Recommendation:

Note and file report.

Attachment:

1. Comparison of Contractual Water Supply to Water Use
2. Notice to State Water Contractors No. 21-06: 2021 State Water Project Allocation Decrease – 5 Percent

Prepared by:

/s/ Diana Langley

Diana Langley
Public Works Director

Submitted by:

/s/ Dave Vaughn

Dave Vaughn
City Manager

Reviewed by:

Finance

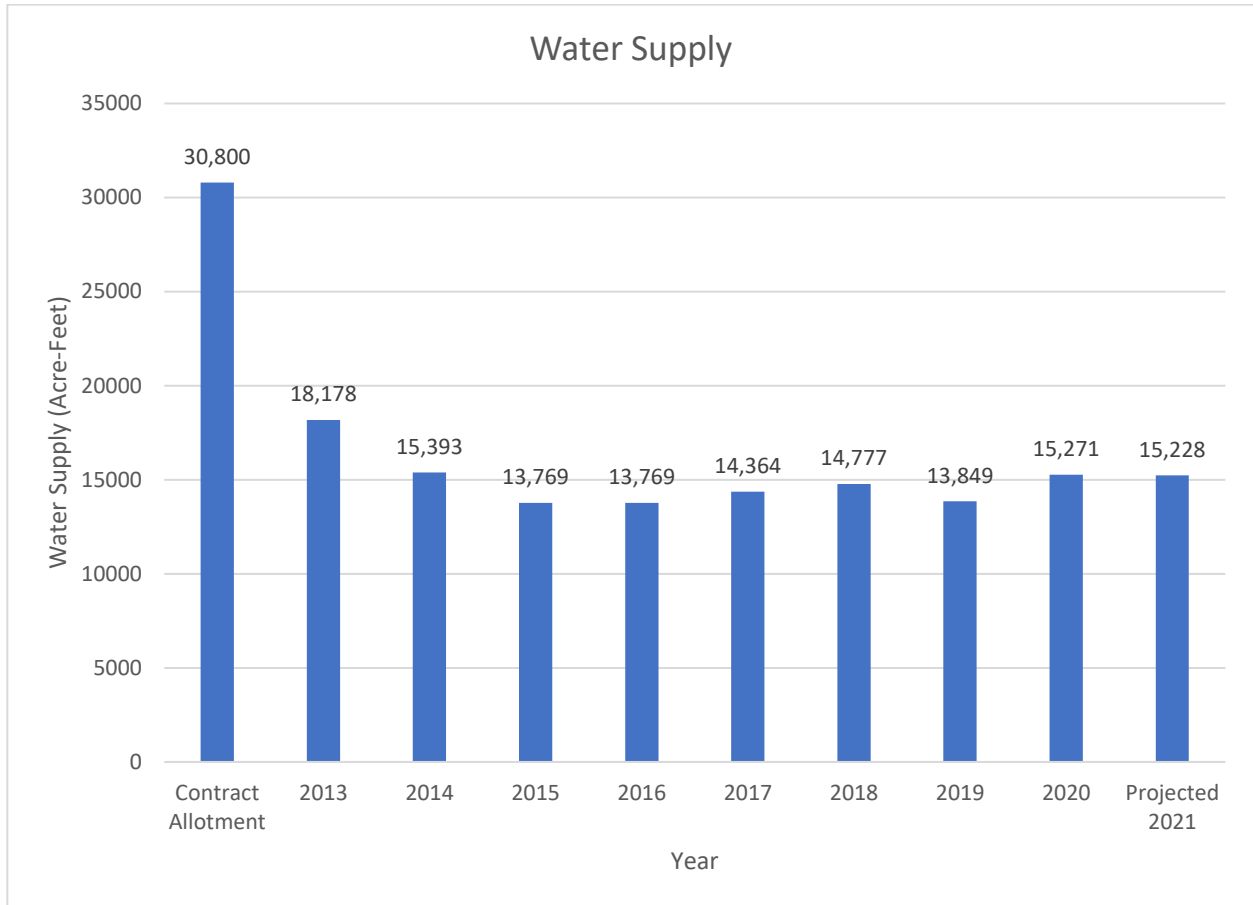
City Attorney

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SLC by email

ATTACHMENT 1

**FIGURE 1
COMPARISON OF CONTRACTUAL WATER SUPPLY TO WATER USE**



ATTACHMENT 2

NOTICE TO STATE WATER PROJECT CONTRACTORS**Date:** 3/23/2021**Number:** 21-06**Subject:** 2021 State Water Project Allocation Decrease – 5 Percent**From:** 

Ted Craddock
Deputy Director, State Water Project
Department of Water Resources

Due to the persistent dry conditions, the Department of Water Resources (DWR) is decreasing the allocation of 2021 State Water Project (SWP) water for long-term contractors from 422,848 acre-feet to 210,266 acre-feet. Based on the recent low amount of precipitation and runoff, and an assessment of overall water supply conditions, SWP supplies are projected to be 5 percent of most SWP contractors' 2021 requested Table A amounts, which totals 4,172,786 AF. Attached is the revised 2021 SWP 5 percent allocation table.

This allocation is made consistent with the long-term water supply contracts and public policy. DWR's approval considered several factors including existing storage in SWP conservation reservoirs, SWP operational constraints such as the conditions of the 2019 Biological Opinions for federally listed species, the 2020 Incidental Take Permit for State listed species and the 2021 SWP contractors' demands. DWR may revise this and any subsequent allocations if warranted by the developing hydrologic and water supply conditions.

To develop the 5 percent schedule, DWR will scale down the current long-term SWP contractors' 15 percent schedules that were submitted in October 2020 (as part of the initial requests), unless SWP contractors submit updated schedules. DWR will send the approved monthly water delivery schedules to the long-term SWP contractors.

If you have any questions or need additional information, please contact John Leahigh, Water Operations Executive Manager, at (916) 651-2447.

Attachment

2021 STATE WATER PROJECT ALLOCATION
(ACRE-FEET)

SWP CONTRACTORS	TABLE A (1)	INITIAL REQUEST (2)	APPROVED ALLOCATION (3)	PERCENT INITIAL REQUEST APPROVED (3)/(2) (4)
<u>FEATHER RIVER</u>				
County of Butte	27,500	27,500	3,000	11%
Plumas County FC&WCD	2,700	2,700	135	5%
City of Yuba City	9,600	9,600	480	5%
Subtotal	39,800	39,800	3,615	
<u>NORTH BAY</u>				
Napa County FC&WCD	29,025	29,025	1,451	5%
Solano County WA	47,756	47,756	2,388	5%
Subtotal	76,781	76,781	3,839	
<u>SOUTH BAY</u>				
Alameda County FC&WCD, Zone 7	80,619	80,619	4,031	5%
Alameda County WD	42,000	42,000	2,100	5%
Santa Clara Valley WD	100,000	100,000	5,000	5%
Subtotal	222,619	222,619	11,131	
<u>SAN JOAQUIN VALLEY</u>				
Oak Flat WD	5,700	5,700	285	5%
County of Kings	9,305	9,305	465	5%
Dudley Ridge WD	41,350	41,350	2,068	5%
Empire West Side ID	3,000	3,000	150	5%
Kern County WA	982,730	982,730	49,137	5%
Tulare Lake Basin WSD	87,471	87,471	4,374	5%
Subtotal	1,129,556	1,129,556	56,479	
<u>CENTRAL COASTAL</u>				
San Luis Obispo County FC&WCD	25,000	25,000	1,250	5%
Santa Barbara County FC&WCD	45,486	45,486	2,274	5%
Subtotal	70,486	70,486	3,524	
<u>SOUTHERN CALIFORNIA</u>				
Antelope Valley-East Kern WA	144,844	144,844	7,242	5%
Santa Clarita Valley WA	95,200	95,200	4,760	5%
Coachella Valley WD	138,350	138,350	6,918	5%
Crestline-Lake Arrowhead WA	5,800	5,800	290	5%
Desert WA	55,750	55,750	2,788	5%
Littlerock Creek ID	2,300	2,300	115	5%
Metropolitan WDSC	1,911,500	1,911,500	95,575	5%
Mojave WA	89,800	89,800	4,490	5%
Palmdale WD	21,300	21,300	1,065	5%
San Bernardino Valley MWD	102,600	102,600	5,130	5%
San Gabriel Valley MWD	28,800	28,800	1,440	5%
San Geronio Pass WA	17,300	17,300	865	5%
Ventura County WPD	20,000	20,000	1,000	5%
Subtotal	2,633,544	2,633,544	131,678	
TOTAL	4,172,786	4,172,786	210,266	


Certificate Of Completion

Envelope Id: 1EE5A7A4BAEA4C168EABA7F1CA3DC3A9	Status: Completed
Subject: Please DocuSign: SWC Notice No. 21-06 - 2021 Allocation Reduction - 05 Percent - Final.docx, SW...	
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Document Pages: 2	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	DWR SWPAO Executive Secretary
Time Zone: (UTC-08:00) Pacific Time (US & Canada)	1416 9th Street
	Sacramento, CA 95814
	SWPAOExecSecr@water.ca.gov
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Record Tracking

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Storage Appliance Status: Connected	Pool: Department of Water Resources	Location: DocuSign

Signer Events

Signature	Timestamp
Ted Craddock  Ted.Craddock@water.ca.gov Deputy Director, State Water Project Department of Water Resources Security Level: Email, Account Authentication (None)	Sent: 3/23/2021 2:08:04 PM Viewed: 3/23/2021 2:43:03 PM Signed: 3/23/2021 2:43:39 PM
Signature Adoption: Uploaded Signature Image Using IP Address: 136.200.53.16	

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

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Agent Delivery Events

Status

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Intermediary Delivery Events

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DWR SWPAO Executive Secretary
swpaoexecsecr@water.ca.gov
Department of Water Resources
Security Level: Email, Account Authentication (None)

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Electronic Record and Signature Disclosure:
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Olivia Virgadamo
olivia.virgadamo@water.ca.gov
Supervising Engineer
Department of Water Resources
Security Level: Email, Account Authentication (None)

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Carbon Copy Events	Status	Timestamp
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Electronic Record and Signature Disclosure: Not Offered via DocuSign		

Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Signing Complete	Security Checked	3/23/2021 2:43:39 PM
Completed	Security Checked	3/23/2021 2:43:41 PM

Payment Events	Status	Timestamps
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