San Francisco Public Utilities Commission Hydrological Conditions Report May 2025

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Hetch Hetchy Reservoir reached maximum capacity on June 1st (above). Following dry conditions and warm temperatures, inflow to Hetch Hetchy Reservoir in May was 100% of normal.

System Storage

Current Tuolumne System and Local Bay Area storage conditions are summarized in Table 1.

	Ta	ble 1. Current	t System Stor	age as of June	1, 2025		
	Command Stories Manimum Stories Available Consider D						D (
	Current Storage millions of		Maximum Storage millions of		Available Capacity millions of		Percentage of Maximum
	acre-feet	gallons	acre-feet	gallons	acre-feet	gallons	Storage
Tuolumne System	I		I	I		•	
Hetch Hetchy Reservoir ¹	355,244		360,360		5,116		99%
Cherry Reservoir ²	270,262		273,345		3,083		99%
Lake Eleanor ³	26,436		27,100		664		98%
Water Bank	570,000		570,000		0		100%
Tuolumne Storage	1,221,942		1,230,805		8,863		99%
Local Bay Area Storage		•		•			
Calaveras Reservoir	79,276	25,832	96,670	31,500	17,394	5,415	82%
San Antonio Reservoir	47,169	15,370	52,506	17,109	5,337	2,377	90%
Crystal Springs Reservoir	44,652	14,550	68,743	22,400	24,091	7,640	65%
San Andreas Reservoir	16,032	5,224	18,898	6,158	2,866	1,040	85%
Pilarcitos Reservoir	1,955	637	3,118	1,016	1,163	384	63%
Total Local Storage	189,084	61,613	239,936	78,183	50,852	16,856	79%
Total System	1,411,026		1,470,741		59,715		96%

¹ Maximum Hetch Hetchy Reservoir storage with drum gates activated.

³ Maximum Lake Eleanor storage with flashboards installed.

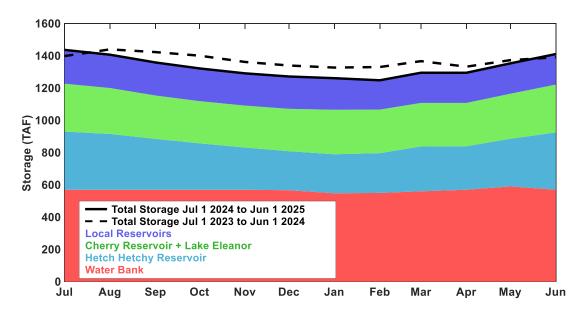


Figure: Local and Upcountry Reservoir storage. Color bands show contributions to total system storage. Solid black line shows total system storage for the past 12 months. Dashed black line shows total system storage the previous 12 months.

² Maximum Cherry Reservoir storage with flashboards installed.

Hetch Hetchy System Precipitation Index

Current Month: The May 2025 six-station precipitation index was 0.26 inches, which is 17% of the 1991-2020 May median.

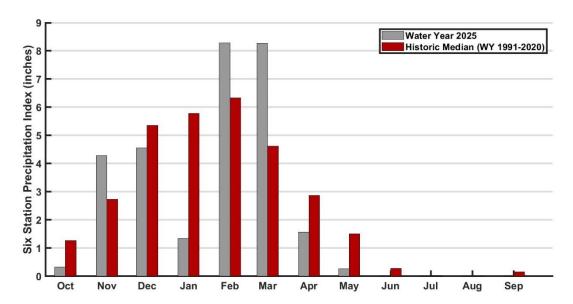


Figure 2: Monthly distribution of the six-station precipitation index relative to the monthly precipitation medians as of June 1. The precipitation index is computed as the average of six Sierra precipitation stations and is an indicator of the overall basin wetness.

Cumulative Precipitation to Date: The cumulative six-station precipitation index for Water Year (WY) 2025 is 28.73 inches, which is 94% of the median to-date. The Hetch Hetchy Weather Station received 0.42 inches of precipitation in May resulting in a total of 29.59 inches for WY 2025, or 88% of WY to-date median. The cumulative WY 2025 Hetch Hetchy Weather Station precipitation is shown in Figure 3 in red.

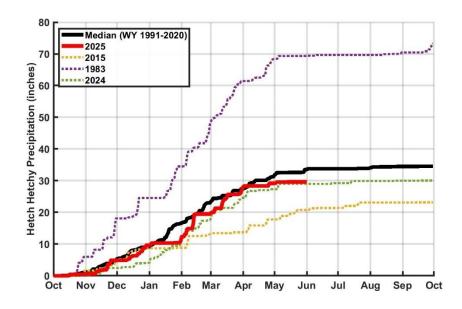


Figure 3: Water Year 2025 cumulative precipitation measured at Hetch Hetchy Weather Station as of June 1. Median cumulative precipitation measured at Hetch Hetchy Weather Station and example wet and dry years are included with Water Year 2025 for comparison purposes.

Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and the Tuolumne River at La Grange for May 2025 and Water Year 2025 is summarized below in Table 2.

Table 2. Calculated reservoir inflows and Water Available to City									
* All flows are in acre-feet		May 20	025		October 1, 2024 through May 31, 2025				
	Observed Flow	Median ¹	Mean ¹	Percent of Mean	Observed Flow	Median ¹	Mean ¹	Percent of Mean	
Inflow to Hetch Hetchy Reservoir	218,949	214,740	218,132	100%	432,665	462,650	465,850	93%	
Inflow to Cherry Reservoir and Lake Eleanor	103,589	115,014	125,164	83%	332,275	378,983	382,811	87%	
Tuolumne River at La Grange	377,754	400,953	444,403	85%	1,143,084	1,267,528	1,427,755	80%	
Water Available to City	129,709	156,297	208,902	62%	359,010	459,193	611,087	59%	

¹Hydrologic Record: 1991-2020

Hetch Hetchy System Operations

Water deliveries via the San Joaquin Pipeline (SJPL) were 200 MGD during May 1-7. A rate change to 245 MGD occurred on May 8.

Hetch Hetchy Reservoir power draft and stream releases totaled 159,223 acre-feet during the month of May. Required minimum instream release during May was 164 cfs (Type A plus 64 cfs due to Canyon Tunnel flow being greater than 920 cfs). Required releases increase to 189 cfs (Type A plus 64 cfs) in June.

Cherry Reservoir power draft and stream releases totaled 61,204 acre-feet during the month of May. Required minimum instream release is 5 cfs October through June.

Lake Eleanor stream releases totaled 24,649 acre-feet and Cherry-Eleanor pumping transfer totaled 2,231 acre-feet during the month of May. Required minimum instream release April 15 through September 15 is 20 cfs.

Regional System Treatment Plant Production

The Harry Tracy Water Treatment Plant production rate for the month was 29 MGD. The Sunol Valley Water Treatment Plant went offline in early May. The production rate for the month was 4 MGD.

Regional System Water Delivery

The average May delivery rate was 217 MGD which is a 13.0% increase compared to the April delivery rate of 192 MGD.

Local Precipitation

The rainfall summary for May 2025 and Water Year 2025 is presented in Table 3.

Table 3 Precipitation Totals at Three Local Area Reservoirs								
	May	y 2025	October 1, 2024 through May 31, 2025					
Weather Station Location	Total (inches)	Percent of Mean for the Month	Total (inches)	Percent of Mean for the Year-To-Date				
Pilarcitos Reservoir	0.44	67%	35.06	105%				
Lower Crystal Springs Reservoir	0.21	47%	22.02	100%				
Calaveras Reservoir	0.10	20%	18.36	102%				

^{*}Mean Period = WY 1991-2020

Snowpack, Water Supply and Planned Water Supply Management

Generally dry conditions with intermittent periods of well above normal temperatures resulted in below-normal precipitation, robust snowmelt, and near-normal runoff during the month of May (Figure 2, 3, and 5). Near record warm temperatures generated peak snowmelt runoff on May 12 (Figure 4). Cumulative Water Available to the City (WAC) for May was 129,709 AF; Cumulative WAC for WY 2025 was 359,010 AF (Table 2, Figure 4).

Hetch Hetchy Reservoir is full and drafting via spillway flow, discretionary power generation, and discretionary valve releases as part of the Upper Tuolumne River Ecosystem Program (UTREP). SFPUC staff are working with Yosemite National Park staff to conduct these releases in an environmentally beneficial manner.

Cherry Reservoir is nearly full and expected to continue drafting via minimum instream releases and discretionary power generation through the end of Spring runoff. The Cherry-Eleanor Pumps are currently activated and expected to remain in service until the end of Spring runoff. Lake Eleanor is currently full and expected to remain near full through August.

In all future weather scenarios, forecasted inflows are sufficient to maintain near full conditions at Cherry Reservoir, Lake Eleanor, Hetch Hetchy Reservoir, and Water Bank (Figure 6) through the end of Spring runoff, with additional water available for power generation and ongoing UTREP releases (Figure 6).

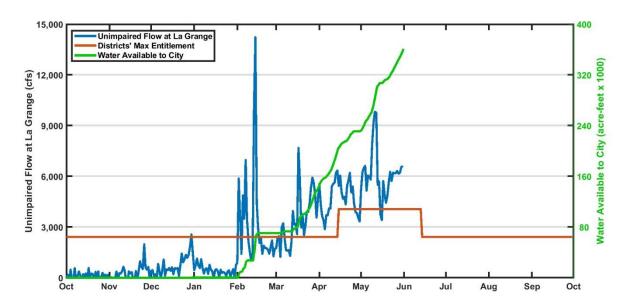


Figure 4: Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City.

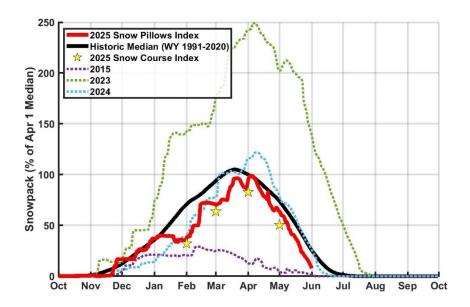


Figure 5: Current water year 10-Station Snow Pillows Index as of June 1 (red line), based on real-time snow water equivalent measurements in the Tuolumne Basin. Star indicates the average manual snow course measurements in the Tuolumne Watershed. Historic median, wet and dry years, and previous water year are included for comparison purposes.

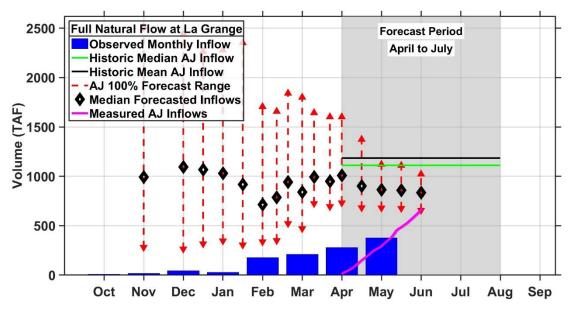


Figure 6: Water Supply Forecast Model of runoff (April to July) on the Tuolumne River at La Grange. This model is driven by precipitation from October to February, and by snow survey data from February through June. The forecast range decreases as time passes due to reduced potential future precipitation.