



### Water Supply Update

**Board of Directors March 26, 2024** 

### Water Supply Briefing

- Current Water Supply
- California Water Supply
- Water Supply Projections

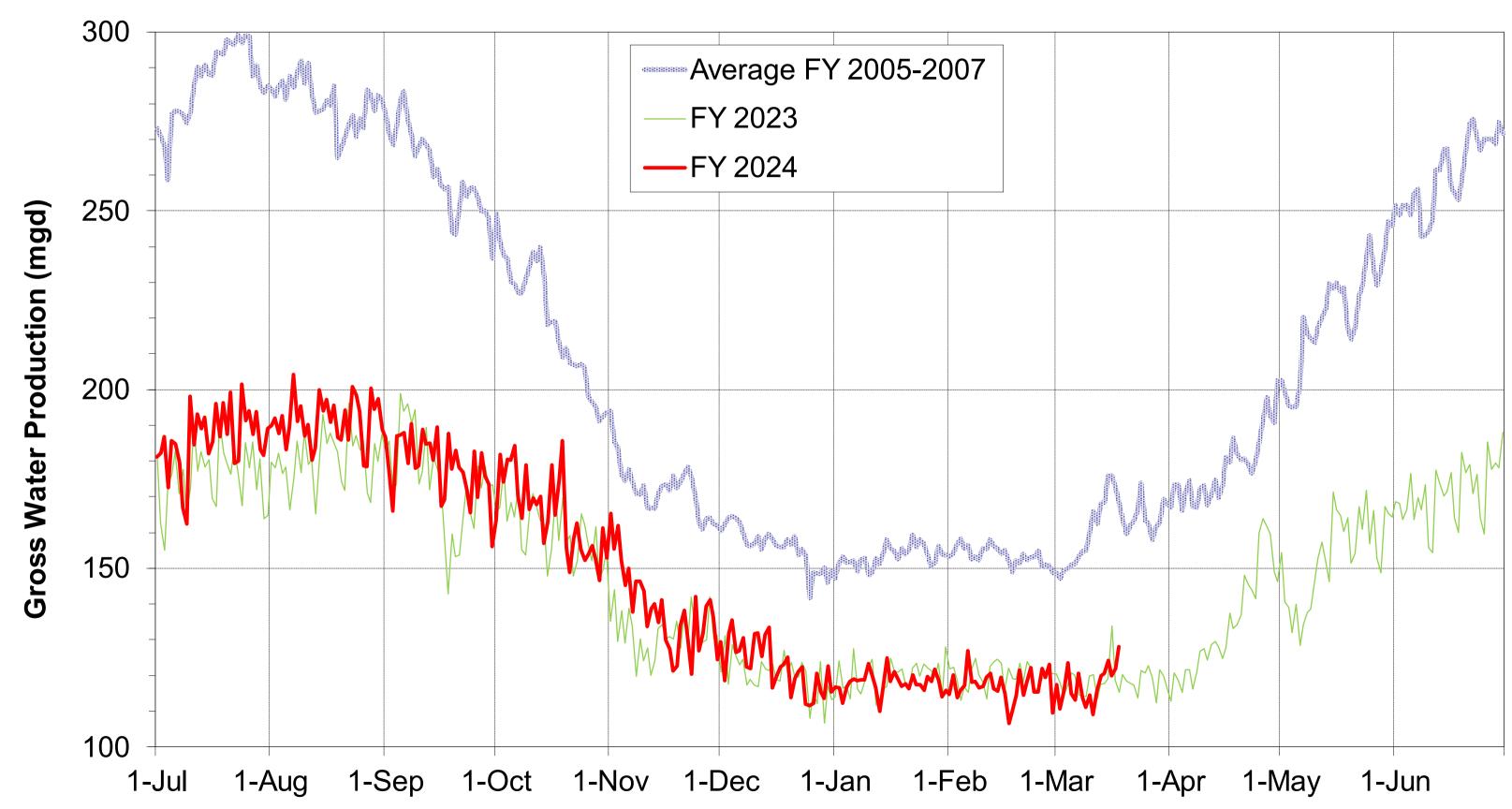


## **Current Water Supply**





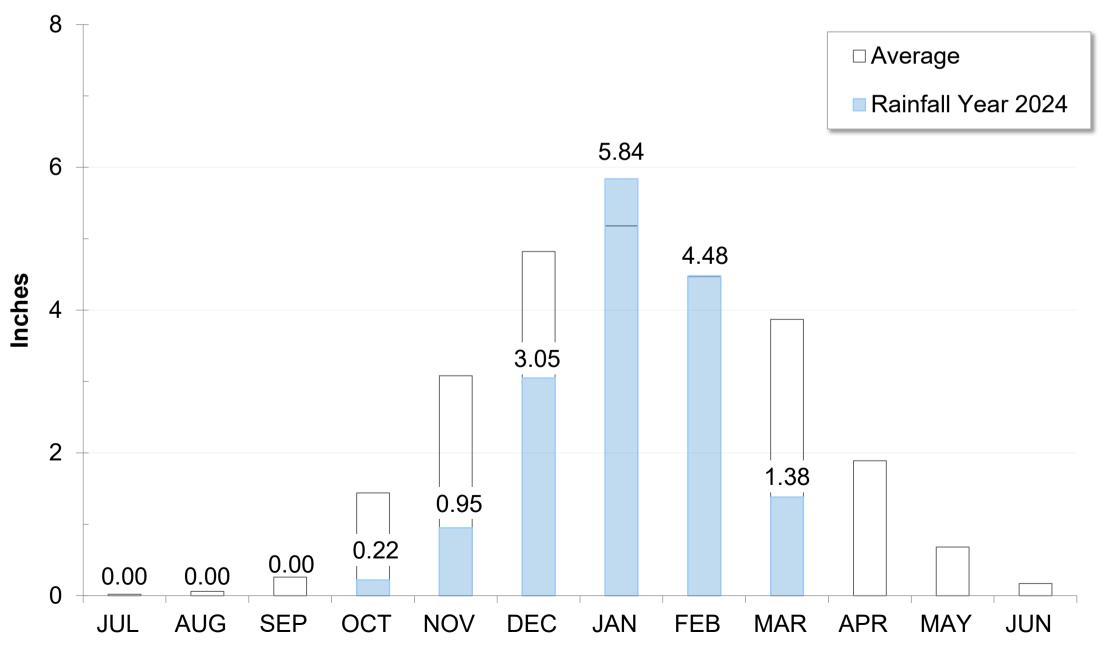
#### **Gross Water Production**



2024 EAST BAY MUNICIPAL UTILITY DISTRICT

# Precipitation as of March 20

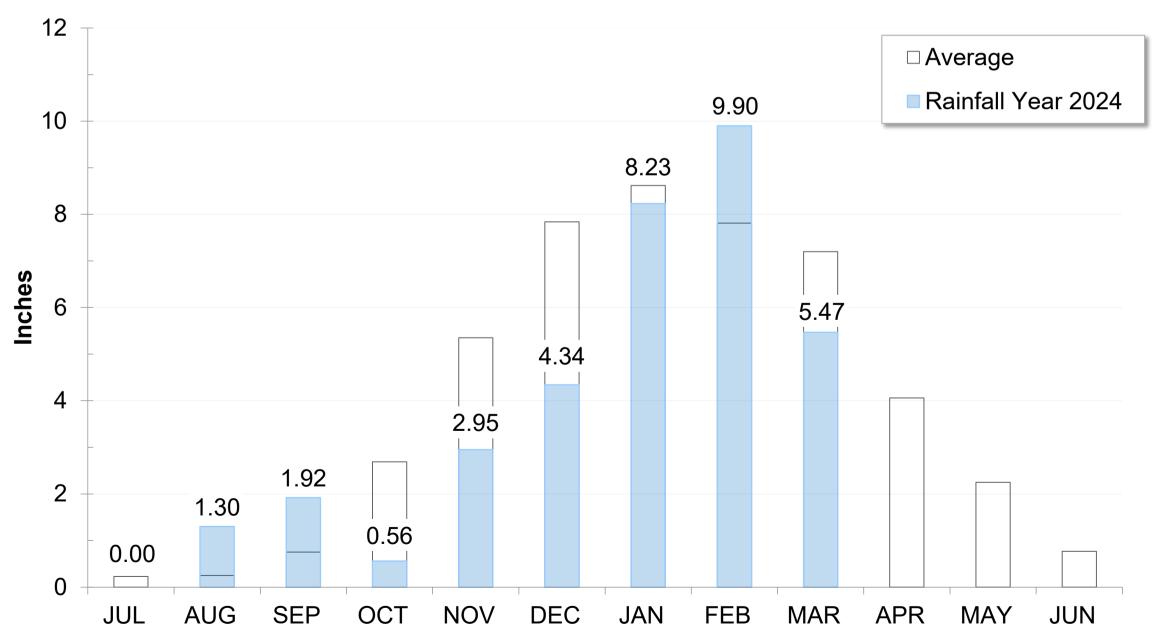
East Bay: 15.92" (71% of average)





# Precipitation as of March 20

Mokelumne: 34.67" (90% of Average)

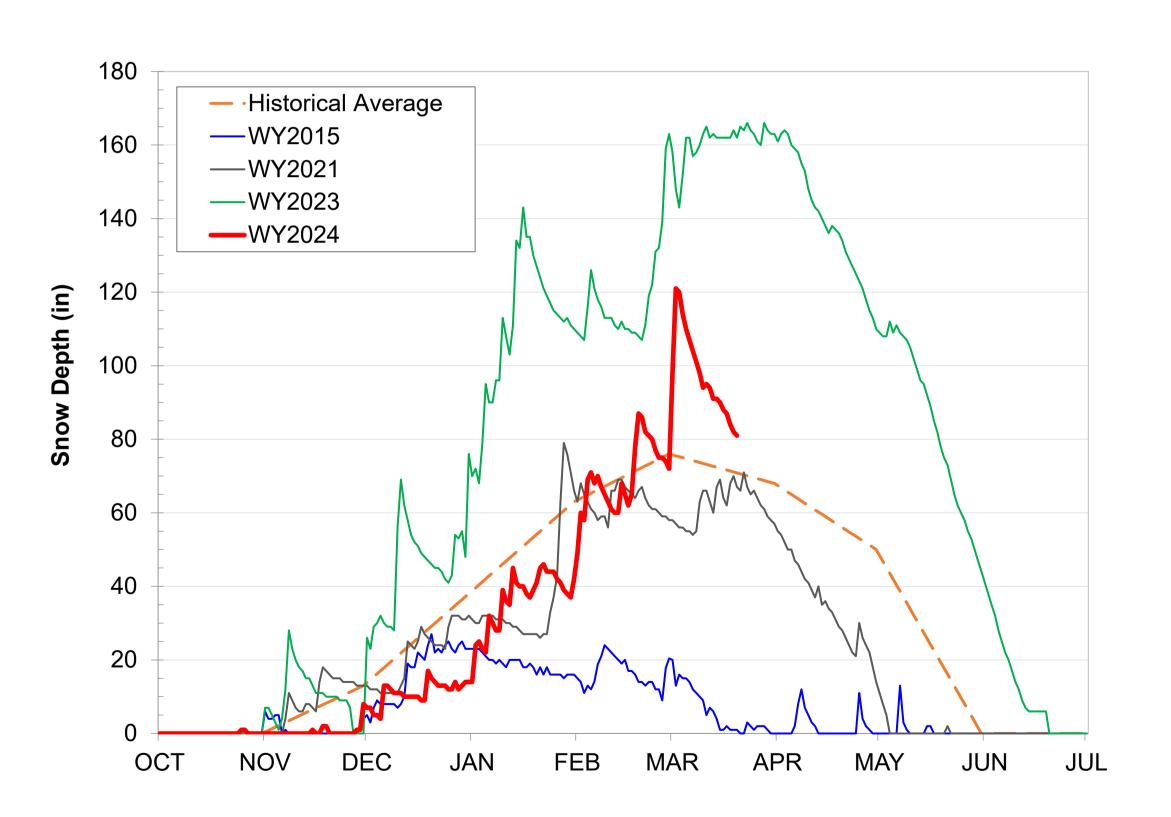






#### High-Elevation Snow (Caples Lake) as of March 20

Snow Depth
81" (114% of average)
Snow Water Content
29.70" (107% of average)



## California Water Supply



# Snowpack as of March 21

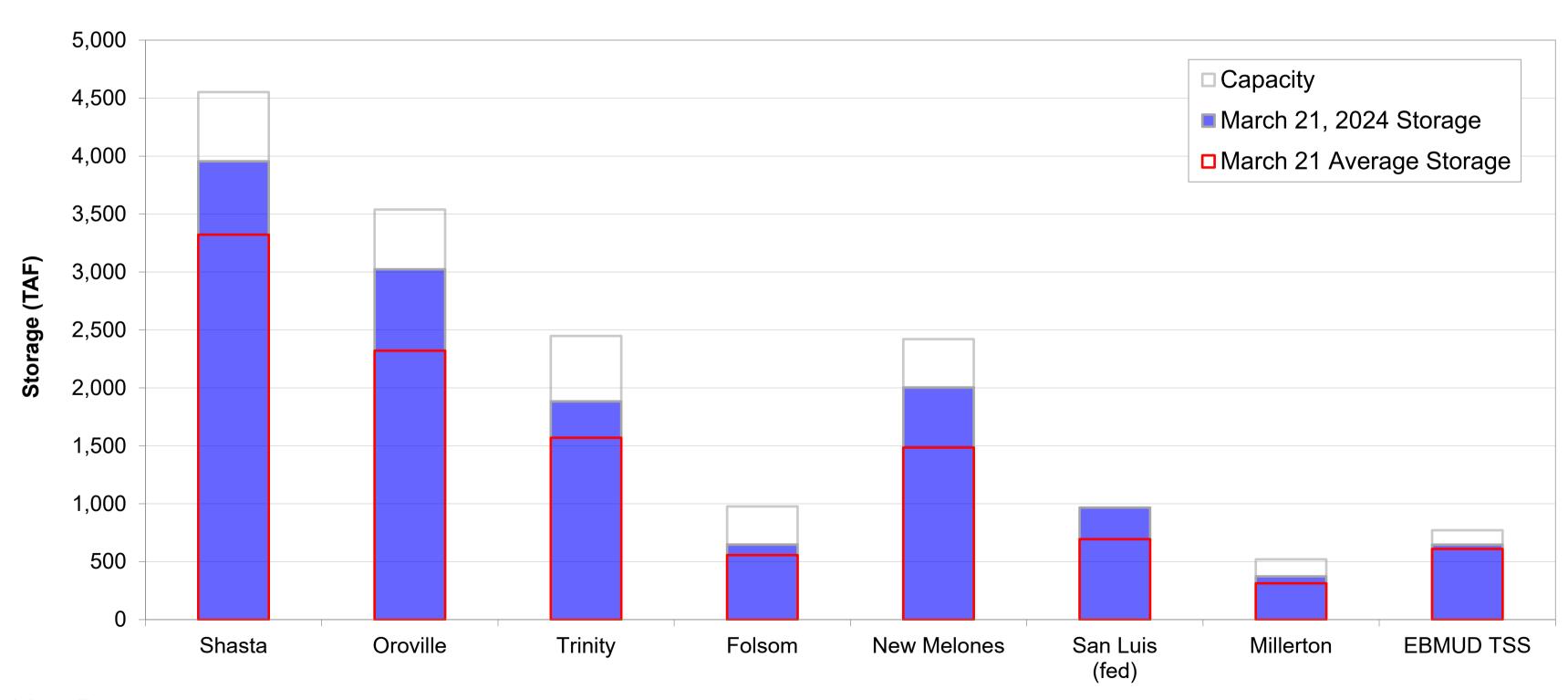
Snow Water Equivalent: 97% in Central Sierra







## Northern California Water Supply Current vs. Average Storage



TAF: Thousand Acre-Feet

## Water Supply Projections



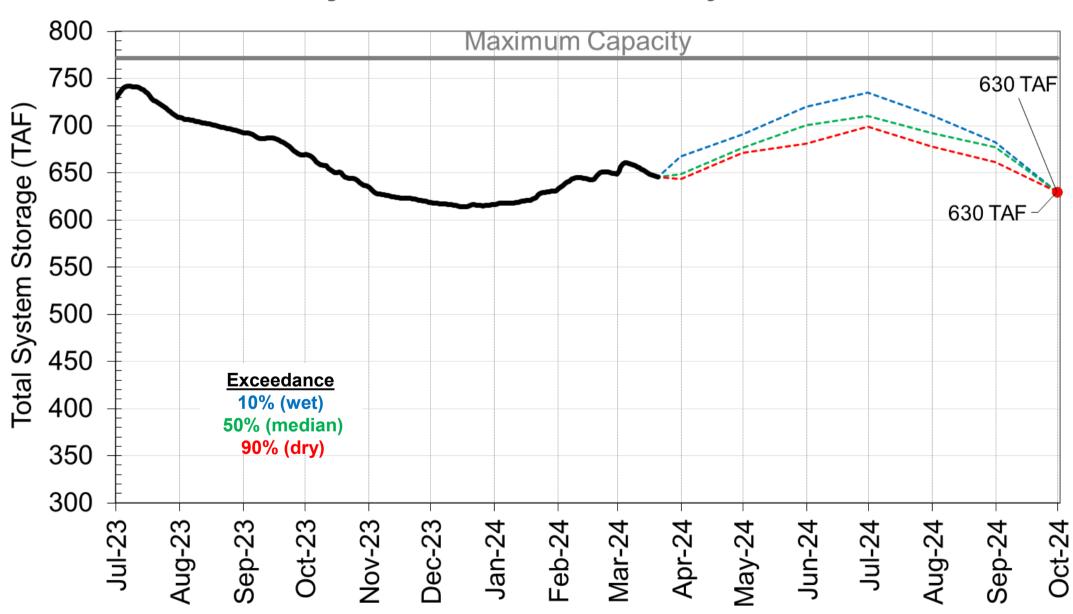


# Total System Storage as of March 20

Current: 647 TAF (106% of Average)

Reservoir	Current Storage, TAF	Percent of Average	Percent of Capacity		
Pardee	173	93%	85%		
Camanche	337	116%	81%		
East Bay	137	101%	91%		
Total System	647	106%	84%		

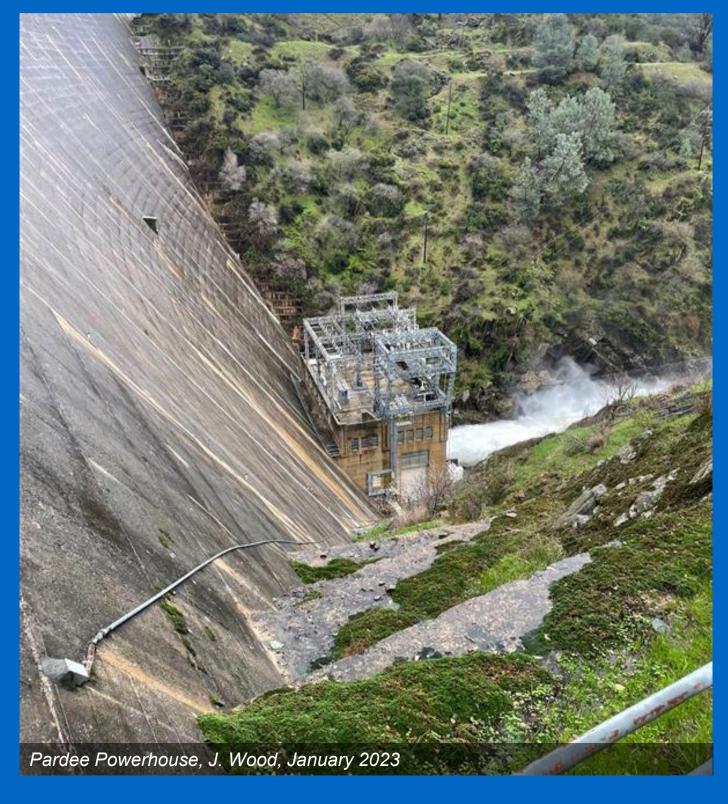
Projected: 630 TAF by 9/30



TAF: Thousand Acre-Feet

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#### Questions





#### WATER SUPPLY ENGINEERING DAILY REPORT

Thursday, March 21, 2024

#### RESERVOIR STORAGE AND ELEVATION

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Purclec				<u>510k/</u>				_	Release	Snill	
Particle	MOKELUMNE			Ac-Ft			_			_	
Camache	<u> </u>										
Briones											
Chabet	EAST BAY										
Lafayete	Briones	574.89	0	58080	0	576.14	58960		0	0	
San Palolo   304.94   -0.03   30.990   -2.0   313.68   37915   -0.0   0   1   1   1   1   1   1   1   1		224.24			20				44	0	
Total Esa Bay Res.   137460	•										
TOTAL SYSTEM STORAGE									-		
DISTRIBUTION SYSTEM		456.38	-0.06			459.98			34	0	
DISTRIBUTION SYSTEM											
Storage				647620	730						
Storage			STEM								
MG	DISTRIBUTION RESERV	VOIRS				<u>AQU</u>	JEDUCT D	ELIVERII	<u>ES</u>		
Today		1	-								
Total Previous Day   362   Capacity   Total Change   Capacity   Million   Capacity   Mok 1   0											
TOTAL Change				7/20							
MATER PRODUCTION   Million   Capacity   Mok 1   0	•										
MATER PRODUCTION AND DEMAND         Million Gallons         Capacity MGD         Mok 1         0           Lafayette WTP         0         25         0 MG	Total Change		U					ICTS (Me			
AND DEMAND         Gallons         MGD         Mok 2         0           Lafayette WTP         0         25         0 MG         0 MG         CCfs         So Malow RIVER FLOWS AND RLEASES         So Cfs         So Malow RIVER Now Altural Flow         1653         1653         Sobrante WTP         10         30         Mokedumme River Natural Flow         1653         Sobrante WTP         17.3         50         Pardee Release to Laman-che Res.         879         1040         Upper San Leandro WTP         0         45         Pardee Release to DVID         50         0         1040         Upper San Leandro WTP         19.4         90         Pardee Release to DVID         50         0         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         1040         0         0         1040         0         1040         0         1040         0         0         1040         0         1040         0         0         0 <td>WATER PRODUCTION</td> <td></td> <td>Million</td> <td>Capacity</td> <td></td> <td></td> <td>-</td> <td>C 1 D (IVIC</td> <td>asured at Di</td> <td>andij, MO</td>	WATER PRODUCTION		Million	Capacity			-	C 1 D (IVIC	asured at Di	andij, MO	
Lafayette WTP         90         190         RIVER FLOWS AND RELEASES         CS           San Pablo WTP         0         30         Mokelumme River Natural Flow         1653           Sobrante WTP         17.3         50         Pardee Reservoir Inflow         1040           Upper San Leandro WTP         0         45         Pardee Release to Camache Reservoir Inflow         5879           Walnut Creek WTP         19.4         90         Pardee Release to Will         10         0           Camanche Release to WTP         126.7         430         Maximum         No         10         0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
Orinda WTP         90         190         RIVER FLOWS AND RELEASES         Cfs           San Pablo WTP         0         30         Mokelumne River Natural Flow         1653           Sobrante WTP         17.3         50         Pardee Reservoir Inflow         1040           Upper San Leandro WTP         0         45         Pardee Release to JWID         5879           Walnut Creek WTP         19.4         90         Pardee Release to JVID         501           TOTAL SURFACE PRODUCTION         126.7         430         PG&E CO. STORAGE / Leve feet         Maximum         Maxi			0	25			0	MG			
San Pablo WTP         0         30         Mokelumne River Natural Flow         1653           Sobrante WTP         17.3         50         Pardee Reservoir Inflow         1040           Upper San Leandro WTP         19.4         90         Pardee Release to JWID         579           Walnut Creek WTP         19.4         90         Pardee Release to JWID         501           TOTAL SURFACE PRODUCTION Miscellaneous(Estimated)         0.4         PG&E CO. STORAGE / Lee-feet)         501           Change in Distribution System Wash Water from Distribution System Wash Water from Distribution System Wash Water from Distribution System Change in Distribution System Peace of Hills Demand 27.2         0.4         Salt Springs Res. 26990 819 141857         141857           East-of-Hills Demand 27.2         100         Salt Springs Res. 8177 50 25025         25025 20244         25060           West-of-Hills Demand 27.2         100         Total 1577 50 25025         25025 20244         250442           Fash Pablo Res. 0 0         0         Total 1577 50 25025         25025 2025         25025 2025           Briones Res. 0 0 0         0         This YEAR 50 2502 25 2025         25025 2025         25025 2025           Briones Res. 0 0 0         0         0         This YEAR 50 2502 25 2025         25025 25 2025           Briones Res. 0	•									Cfs	
Sobrante WTP         17.3         50         Pardee Reservoir Inflow         1040           Upper San Leandro WTP         0         45         Pardee Release to Camanche Ressore to VIVID         879           Walnut Creek WTP         19.4         90         Pardee Release to JVID         501           TOTAL SURFACE PRODUCTION         126.7         430         PG&E CO. STORAGE   Interest   Interes			0								
Walnut Creek WTP         19.4         90         Pardee Release to JVID Camanche Release to Mole. River S01         0           TOTAL SURFACE PRODUCTION Miscellaneous (Estimated)         0.4         430         PG&E CO. STORAGE / Leve-feet)         Maximum           TOTAL WATER PRODUCTION Distribution System of Wash Water from Distribution System (Passe)         0.4         Old Reservoirs         8519         346         Capacity           SYSTEM DEMAND East-of-Hills Demand East-of-Hills Demand (Passe)         27.2         Lower Bear Res. 8177         50         52025           West-of-Hills Demand (Passe)         93.1         Total         THIS YEAR         AVERAGE YEAR           Briones Res. (Passe)         0         0         10         10         63         10         <			17.3	50						1040	
Walnut Creek WTP         19.4         90         Pardee Release to JVID Camanche Release to JVID Camanche Release to Mokel. River         501           TOTAL SURFACE PRODUCTION         126.7         430         PG&E CO. STORAGE / Lever-feets         Maximum         501           Miscellaneous(Estimated)         0.4         PG&E CO. STORAGE / Lever-feets         Maximum           Capacity         Maximum         Maximum           Change in Distribution System         6         Old Reservoirs         Storage         Change         Capacity           Capacity         Maximum         Maximum         Maximum           Change in Distribution System         6         Old Reservoirs         8519         STATION         Change Res.         Capacity	Upper San Leandro WTP		0	45						879	
TOTAL SURFACE PRODUCTION Miscellaneous(Estimated)         126.7         430         PG&E CO. STORAGE (Acre-feet)         Maximum Condition System         6         Storage Change Capacity         Capacity           Wash Water from Distribution Sys.         0.4         Old Reservoirs         8519 max         346 max         26560 <td>= =</td> <td></td> <td>19.4</td> <td>90</td> <td colspan="4">Pardee Release to JVID</td> <td>0</td>	= =		19.4	90	Pardee Release to JVID				0		
Miscellaneous(Estimated)         0.4 TOTAL WATER PRODUCTION         127.1 total         PG&E CO. STORAGE (Accepted)         Maximum           Change in Distribution System Wash Water from Distribution Sys.         6 Wash Water from Distribution Sys.         0.4 Old Reservoirs         8519 346 26560         26960<				Camanche Release to Mokel. River 501							
TOTAL WATER PRODUCTION   127.1   Change in Distribution System wash Water from Distribution Sys.   0.4   Old Reservoirs   8519   346   26560			430								
Change in Distribution System Wash Water from Distribution Sys.         6 Wash Water from Distribution Sys.         0.4         Old Reservoirs         Storage 8519         Change 346         Capacity 26560           SYSTEM DEMAND         120.3         Salt Springs Res.         26990         819         141857           East-of-Hills Demand         27.2         Lower Bear Res.         8177         50         52025           West-of-Hills Demand         93.1         Total         43686         1215         220442           RAW WATER TRANSMISSION Ac-ft West-of-Hills Demand         INPUT DRAFT         PRECIPITATION (INTERIOR DEMANCE)         THIS YEAR         AVERAGE YEAR           Briones Res.         0         0         0         This Season         Season         Season         Season           U. San Leandro Res.         0         0         Today         Month         to-Date         Todate         Todate         Todate         10-Date         21.29         25.33           TOTAL         10         63         Orinda WTP         0         1.57         17.62         21.29         23.02           REMARKS         Walnut Creek WTP         0         2.17         15.94         19.79         23.02           Mokelumne River below WID = 453 c											
Wash Water from Distribution Sys.         0.4         Old Reservoirs         8519         346         26560           SYSTEM DEMAND         120.3         Salt Springs Res.         26990         819         141857           East-of-Hills Demand         27.2         Lower Bear Res.         8177         50         52025           West-of-Hills Demand         93.1         Total         43686         1215         220442           RAW WATER TRANSMISSION Ac-ft INPUT DRAFT         PRECIPITATION (Inches)           Briones Res.         0         0         STATION         THIS YEAR         AVERAGE YEAR           Briones Res.         0         0         ThIS YEAR         AVERAGE YEAR           USL WTP         0         1.57         17.62         21.29         25.33           TOTAL         10         63         Or							Storago	Changa			
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East-of-Hills Demand         27.2 West-of-Hills Demand         Lower Bear Res.         8177 43686         50 1215         52025           RAW WATER TRANSMISSION Ac-ft         PRECIPITATION (Inches)           INPUT DRAFT         THIS YEAR         AVERAGE YEAR           Briones Res.         0         O           San Pablo Res.         10         63         STATION         This YEAR         Season Season Volume         Season Season Volume         Season Volu		oution sys.									
West-of-Hills Demand         93.1         Total         43686         1215         220442           RAW WATER TRANSMISSION Ac-ft         PRECIPITATION (Increase Precipitation)           INPUT         DRAFT         Spriones Res.         O 0         O Season Se					_						
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NPUT   DRAFT   Briones Res.   0   0   0     San Pablo Res.   10   63   U. San Leandro Res.   0   0   0     Today   Month   to-Date   to-Date   to-Date   Total   to-Date   to		MICCION			Total	DDE CIDIT			220442		
Briones Res.         0         0           San Pablo Res.         10         63           U. San Leandro Res.         0         0         Today         Month to-Date to-D											
San Pablo Res.   10   63   CAPLES LAKE (7,830 FT) DATA   This Season   Se	D: D	_				THIS Y	EAR_		AVERAG	E YEAR	
U. San Leandro Res. 0 0 0 USL WTP 0 1.57 17.62 21.29 25.33  TOTAL 10 63 Orinda WTP 0 1.02 22.67 26.98 32.06  REMARKS WID Canal Diversion = 57 cfs Walnut Creek WTP 0 2.17 15.94 19.79 23.02  Mokelumne River below WID = 453 cfs Camp Pardee 0 2.7 15.59 17.34 21.56  Salt Springs P.H. 0 5.14 34.74 36.24 45.51  PG&E data as of 4:00 pm previous date. All other data as of midnight.  Snow Depth 79 Inches 71 Inches									~	a	
USL WTP   0   1.57   17.62   21.29   25.33				STATION	-	Today					
TOTAL         10         63         Orinda WTP         0         1.02         22.67         26.98         32.06           REMARKS         Lafayette Reservoir         0         1.19         14.23         23.88         28.18           WID Canal Diversion = 57 cfs         Walnut Creek WTP         0         2.17         15.94         19.79         23.02           Mokelumne River below WID = 453 cfs         Camp Pardee         0         2.7         15.59         17.34         21.56           Salt Springs P.H.         0         5.14         34.74         36.24         45.51           CAPLES LAKE (7,830 FT) DATA           Today         Average           All other data as of midnight.         Snow Depth         79 Inches         71 Inches	U. San Leandro Res.	U	U	HIGH HIMP		-					
REMARKS         Lafayette Reservoir         0         1.19         14.23         23.88         28.18           WID Canal Diversion = 57 cfs         Walnut Creek WTP         0         2.17         15.94         19.79         23.02           Mokelumne River below WID = 453 cfs         Camp Pardee         0         2.7         15.59         17.34         21.56           Salt Springs P.H.         0         5.14         34.74         36.24         45.51           CAPLES LAKE (7,830 FT) DATA           PG&E data as of 4:00 pm previous date.           All other data as of midnight.         Snow Depth         79 Inches         71 Inches	TOTAI	10	62								
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Mokelumne River below WID = 453 cfs  Camp Pardee  Salt Springs P.H. $0$ $0$ $5.14$ $34.74$ $36.24$ $45.51$ CAPLES LAKE (7,830 FT) DATA  PG&E data as of 4:00 pm previous date. All other data as of midnight.  Snow Depth  Today  Average  79 Inches  71 Inches		l cfs		•							
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All other data as of midnight.  Snow Depth  79 Inches  71 Inches	DC 8.E 1.4 f 4.00				CAF		50 F I J DA				
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