



Board of Directors

Brian Brennan, Director
Pete Kaiser, Director

Neil Cole, Director
Richard Hajas, Director

CASITAS MUNICIPAL WATER DISTRICT Meeting to be held at the

The meeting will be held via teleconference.
To attend the meeting please call (888) 788-0099 or (877) 853-5247 US Toll-free
Enter Meeting ID: 937 7160 8249#
Passcode: 983020#

SPECIAL MEETING AGENDA

May 20, 2021 @ 5:00 PM

Right to be heard: Members of the public have a right to address the Board directly on any item of interest to the public which is within the subject matter jurisdiction of the Board. The request to be heard should be made immediately before the Board's consideration of the item. No action shall be taken on any item not appearing on the agenda unless the action is otherwise authorized by subdivision (b) of §54954.2 of the Government Code and except that members of a legislative body or its staff may briefly respond to statements made or questions posed by persons exercising their public testimony rights under section 54954.3 of the Government Code.

1. CALL TO ORDER
2. ROLL CALL
3. PUBLIC COMMENTS - Presentation on District related items that are not on the agenda - three minute limit.
4. DISCUSSION ITEMS
 - 4.a. Review and Discussion of the Casitas MWD 2020 Urban Water Management Plan.
[Board Memo_UWMP 20210520.pdf](#)
[UWMP Status_Board meeting 20210520 \(2\).pdf](#)
5. ACTION ITEMS

- 5.a. Set a public hearing for the Casitas MWD 2020 Urban Water Management Plan to be held on June 23, 2021.

6. ADJOURNMENT

**CASITAS MUNICIPAL WATER DISTRICT
MEMORANDUM**

TO: BOARD OF DIRECTORS

FROM: MICHAEL FLOOD, GENERAL MANAGER

SUBJECT: REVIEW AND DISCUSSION OF THE CASITAS MWD DRAFT 2020 URBAN WATER MANAGEMENT PLAN

DATE: 05/20/21

RECOMMENDATION:

Receive a presentation from District staff on the 2020 Urban Water Management Plan and provide direction for completion.

BACKGROUND:

Casitas is preparing the 2020 Urban Water Management Plan (UWMP) in compliance with the California Water Code. Casitas is a wholesale and retail water provider and this UWMP incorporates these two elements. On the retail side, Casitas has two water systems, the Casitas System and the Ojai System, each with their own Public Water System Identification Number. Information presented will reflect these three entities: 1) Casitas Wholesale, 2) Casitas Retail System, and 3) Ojai Retail System¹.

The California Department of Water Resources (DWR) developed standardized tables that are required for the UWMP submittal; including a supply and demand comparison for normal, single-dry year and multiple-dry year periods; a 5-year near-term drought risk assessment; and six standard stages for water shortage planning; among others.

Staff will present draft DWR-required UWMP tables for review and discussion by the Board. Information for the Casitas System (Retail and Wholesale) is based on a total 14,525 acre-feet per year (afy) of planned demand and 15,010 afy of planned operational supply as directed by the Board on April 21, 2021, as well as a future planned available supply of 2,000 AFY on average via the Ventura-Santa Barbara Counties Interconnection.

The draft UWMP tables show planned demands for the Ojai System based on average demands over the last 10 years (similar to the Casitas System assumptions). The planned supply for the Ojai system is based on average historical groundwater pumping since 1994, and incorporates planned groundwater well improvement projects currently underway and expected to be complete within the next few years. In addition, the Ojai System is supplied by two existing interconnections with the Casitas System.

The content of the draft UWMP tables will be incorporated into the Draft 2020 UWMP report.

¹ The Ojai System served 2,953 customers as of December 31, 2020, which is under the threshold of 3,000 customers required to submit an UWMP. Casitas has chosen to include the Ojai system to provide a comprehensive picture of the systems Casitas operates. In the future, it is expected the two systems will be combined into one Public Water System.

The deadline for submission to DWR is July 1, 2021. To meet this deadline, staff recommends the Board set a public hearing date of June 23, 2021. The full draft UWMP and Water Shortage Contingency Plan (WSCP) report is expected to be available for review by June 4, 2021.

Description	Date
Special Board meeting and Set Public Hearing Date	5/20/2021
Internal Review/QC of Draft WSCP and UWMP	5/25/21-6/2/21
Prepare Public Draft of UWMP and WSCP (internal deadline)	6/3/2021
1st Public Notice published in OVN and VC Star <u>AND</u> Public Draft posted on Casitas website	6/4/2021
2nd Public Notice published in OVN and VC Star	6/11/2021
Public Hearing and Board adoption of WSCP and UWMP	6/23/2021
Final WSCP and UWMP prepared and uploaded to DWR website	No Later Than 7/1/21

Attachment: Presentation on Draft 2020 UWMP DWR tables



2020 Urban Water Management Plan Status

**Board of Directors
May 20, 2021**

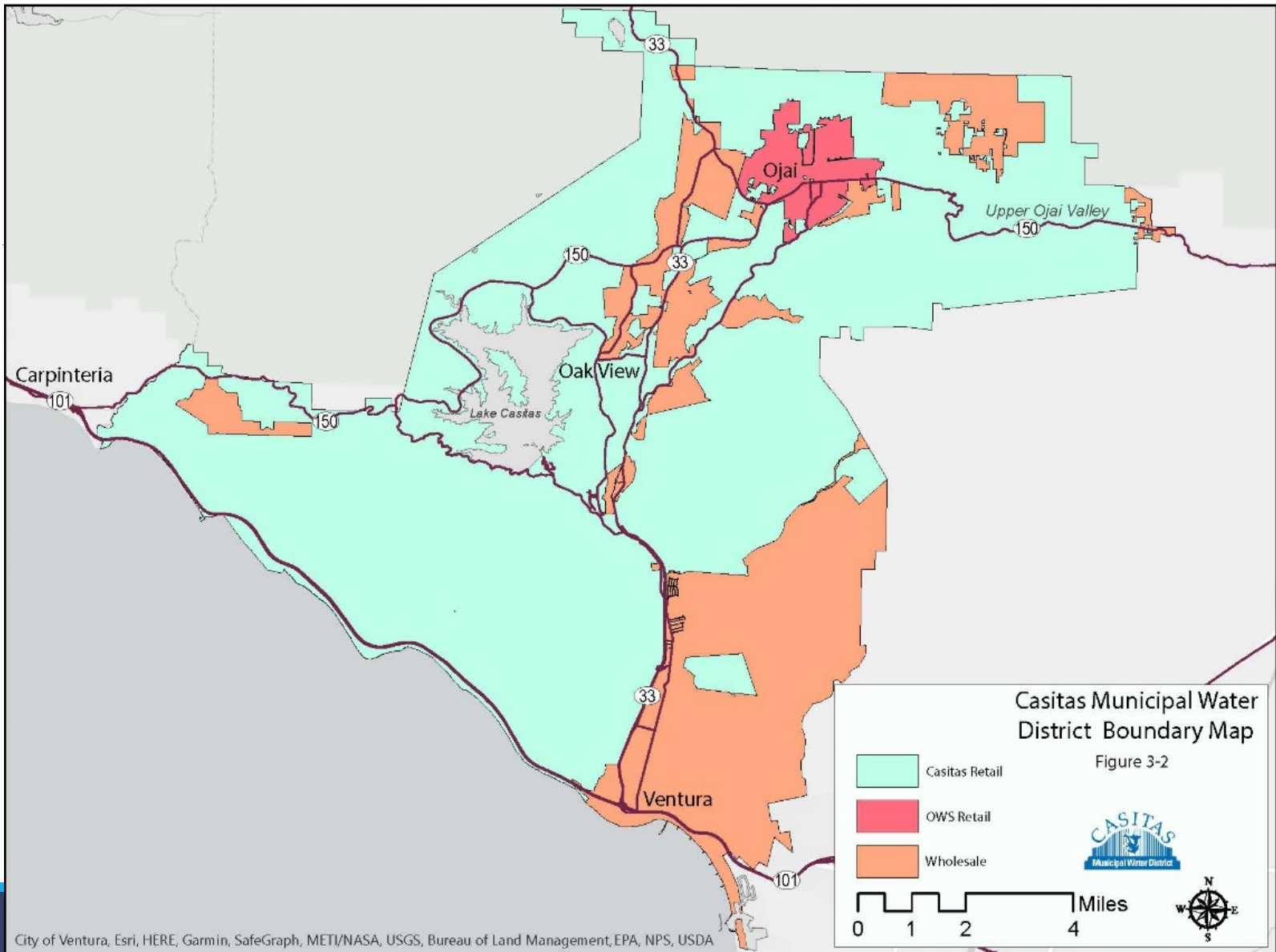
Agenda

- Population
- 2020 Actual Demands
- Projected Demands
- Normal, Single-Dry, and Multiple-Dry Year Supply and Demand Comparison
- 5-Year Drought Risk Assessment Demand and Supply Comparison
- Water Shortage Contingency Plan Levels



POPULATION





POPULATION

TOTAL					
Population Served	2020	2025	2030	2035	2040
	63,718	64,702	65,704	66,722	67,758



POPULATION

Submittal Table 3-1 Wholesale: Population - Current and Projected, Casitas Wholesale

Population Served	2020	2025	2030	2035	2040
	45,964	46,828	47,709	48,606	49,520

Submittal Table 3-1 Retail: Population – Current and Projected, Casitas Retail

Population Served	2020	2025	2030	2035	2040
	11,042	11,101	11,161	11,221	11,281

Submittal Table 3-1 Retail: Population - Current and Projected, Ojai Retail

Population Served	2020	2025	2030	2035	2040
	6,712	6,773	6,834	6,895	6,957



2020 ACTUAL DEMANDS



CASITAS WHOLESALE

Submittal Table 4-1 Wholesale: Demands for Potable and Non-Potable Water - Actual

Use Type	2020 Actual Volume
Sales to other agencies	3,095



CASITAS RETAIL

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable Water – Actual, Casitas Retail

Use Type	2020 Actual	
	Additional Description	Volume
Single Family		1,045
Multi-Family		210
Commercial		465
Industrial		12
Institutional/Governmental		134
Agricultural irrigation	Ag, Ag Domestic, Ag Domestic Multi	5,116
Losses		214
Other	Other, Fire service, Temporary	141
Other	Ojai Retail Demands	369
	TOTAL	7,705



OJAI RETAIL

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable Water – Actual, Ojai Retail		
Use Type	2020 Actual	
	Additional Description	Volume
Single Family		1,095
Multi-Family		88
Commercial		274
Industrial		3
Institutional/Governmental		0
Agricultural irrigation	Ag, Ag Domestic	100
Losses		83
Other	Other, Fire Service, Temporary	65
	TOTAL	1,708



SUMMARY

	2020 Actual
Casitas Wholesale	3,095
Casitas Retail	7,705
Ojai Retail	1,708
Ojai Demands from Casitas System	(369)
TOTAL	12,139





PROJECTED DEMANDS



DEMAND CALCULATIONS – CASITAS (2011-2020 Average by category)

Customer Demands by Classification			
Ag Domestic	26%	Residential - SF	8%
Ag-Domestic Multi	1%	Residential – MF	1%
Agricultural	18%	Other	1%
Commercial	4%	Resale – Pumped	3%
Interdepartmental	1%	Resale – Gravity	27%
Fire Service	0%	Temporary	0%
Industrial	0%	Losses	7%
		Ojai Retail Demands	3%



CASITAS WHOLESALE

Submittal Table 4-2 Wholesale: Use for Potable and Raw Water - Projected

Use Type	Projected Water Use*			
	2025	2030	2035	2040
Sales to other agencies	4,356	4,356	4,356	4,356

*Approximately 30% of 14,525



Submittal Table 4-2 Retail: Use for Potable and Non-Potable Water – Projected Casitas Retail

Use Type	Additional Description	Projected Water Use			
		2025	2030	2035	2040
Single Family		1,157	1,157	1,157	1,157
Multi-Family		202	202	202	202
Commercial		574	574	574	574
Industrial		23	23	23	23
Institutional/Governmental		101	101	101	101
Landscape		0	0	0	0
Groundwater recharge		0	0	0	0
Saline water intrusion barrier		0	0	0	0
Agricultural irrigation	Ag + Ag domestic	6,496	6,496	6,496	6,496
Wetlands or wildlife habitat		0	0	0	0
Sales/Transfers/Exchanges to other agencies		0	0	0	0
Losses		954	954	954	954
Other Potable	Other + Fire service + Temporary	201	201	201	201
Other Non-Potable		0	0	0	0
Other	Ojai Retail Demand	461	461	461	461
TOTAL		10,169	10,169	10,169	10,169

DEMAND CALCULATIONS – OJAI (2011-2020 Average by category)

Customer Demands by Classification

Ag Domestic	2%	Residential - SF	59%
Ag-Domestic Multi	0%	Residential – MF	5%
Agricultural	0%	Other	3%
Commercial	23%	Resale – Pumped	0%
Interdepartmental	1%	Resale – Gravity	0%
Fire Service	0%	Temporary	0%
Industrial	0%	Losses	7%



Submittal Table 4-2 Retail: Use for Potable and Non-Potable Water – Projected, Ojai Retail

Use Type	Additional Description	Projected Water Use			
		2025	2030	2035	2040
Single Family		1,089	1,089	1,089	1,089
Multi-Family		95	95	95	95
Commercial		425	425	425	425
Industrial		2	2	2	2
Institutional/Governmental		21	21	21	21
Landscape		0	0	0	0
Groundwater recharge		0	0	0	0
Saline water intrusion barrier		0	0	0	0
Agricultural irrigation	Ag + Ag domestic + Ag Multi	38	38	38	38
Wetlands or wildlife habitat		0	0	0	0
Sales/Transfers/Exchanges to other agencies		0	0	0	0
Losses		130	130	130	130
Other Potable	Other + Fire service + Temporary	52	52	52	52
Other Non-Potable		0	0	0	0
Other		0	0	0	0
TOTAL		1,850	1,850	1,850	1,850

SUMMARY

	2020 Actual	2025-2040 Projected
Casitas Wholesale	3,095	4,356
Casitas Retail	7,705	10,169
Ojai Retail	1,708	1,850
Ojai Demands from Casitas System	(369)	(461)
TOTAL	12,139	15,914





NORMAL, SINGLE- AND MULTI-DRY YEAR SUPPLY AND DEMAND COMPARISON



PROJECTED SUPPLIES – Casitas System

Water Supplies – Casitas System			
Lake Casitas			
Safe Yield			18,420
Supply Safety Factor	15%		(2,763)
Climate Change	4.3%		(792)
Subtotal			14,865
Mira Monte Well			
Capacity			180
Supply Safety Factor	15%		(27)
Climate Change	4.3%		(8)
Subtotal			145
		TOTAL	15,010



PROJECTED WATER SUPPLY – Casitas Wholesale and Retail

Description	Source	Reasonably Available Volume Casitas Wholesale	Reasonably Available Volume Casitas Retail	TOTAL
Surface water	Lake Casitas	4,460	10,405	14,865
Groundwater	Mira Monte Well	43	102	145
Purchased or Imported Water	Ven-SB County	600	1,400	2,000
	TOTAL	5,103	11,907	17,010



CASITAS WHOLESALE – Normal Year Supply and Demand

Submittal Table 7-2 Wholesale: Normal Year Supply and Demand Comparison, Casitas

	2025	2030	2035	2040
Supply totals	5,103	5,103	5,103	5,103
Demand totals	4,356	4,356	4,356	4,356
Difference	747	747	747	747



CASITAS WHOLESALE – Single Dry Year

Submittal Table 7-3 Wholesale: Single Dry Year Supply and Demand Comparison, Casitas

	2025	2030	2035	2040
Supply totals	5,103	5,103	5,103	5,103
Demand totals	4,356	4,356	4,356	4,356
Difference	747	747	747	747



SWP RELIABILITY

Year	Percentage	Casitas Allocation
2011	80%	4,000
2012	65%	3,250
2013	35%	1,750
2014	5%	250
2015	20%	1,000



CASITAS WHOLESALE – Multiple Dry Years

Submittal Table 7-4 Wholesale: Multiple Dry Years Supply and Demand Comparison

		2025	2030	2035	2040
First year	Supply totals	5,103	5,103	5,103	5,103
	Demand totals	4,356	4,356	4,356	4,356
	Difference	747	747	747	747
Second year	Supply totals	5,103	5,103	5,103	5,103
	Demand totals	4,356	4,356	4,356	4,356
	Difference	747	747	747	747
Third year	Supply totals	5,028	5,028	5,028	5,028
	Demand totals	4,356	4,356	4,356	4,356
	Difference	672	672	672	672
Fourth year	Supply totals	4,578	4,578	4,578	4,578
	Demand totals	4,356	4,356	4,356	4,356
	Difference	222	222	222	222
Fifth year	Supply totals	4,803	4,803	4,803	4,803
	Demand totals	3,485	3,485	3,485	3,485
	Difference	1,318	1,318	1,318	1,318



CASITAS RETAIL – Normal Year Supply and Demand

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison, Casitas Retail

	2025	2030	2035	2040
Supply totals	11,907	11,907	11,907	11,907
Demand totals	10,169	10,169	10,169	10,169
Difference	1,738	1,738	1,738	1,738



CASITAS RETAIL – Single Dry Year

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison, Casitas Retail

	2025	2030	2035	2040
Supply totals	11,907	11,907	11,907	11,907
Demand totals	10,169	10,169	10,169	10,169
Difference	1,738	1,738	1,738	1,738



CASITAS RETAIL – Multiple Dry Years

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison, Casitas Retail

		2025	2030	2035	2040
First year	Supply totals	11,907	11,907	11,907	11,907
	Demand totals	10,169	10,169	10,169	10,169
	Difference	1,738	1,738	1,738	1,738
Second year	Supply totals	11,907	11,907	11,907	11,907
	Demand totals	10,169	10,169	10,169	10,169
	Difference	1,738	1,738	1,738	1,738
Third year	Supply totals	11,732	11,732	11,732	11,732
	Demand totals	10,169	10,169	10,169	10,169
	Difference	1,563	1,563	1,563	1,563
Fourth year	Supply totals	10,682	10,682	10,682	10,682
	Demand totals	10,169	10,169	10,169	10,169
	Difference	513	513	513	513
Fifth year	Supply totals	11,207	11,207	11,207	11,207
	Demand totals	8,135	8,135	8,135	8,135
	Difference	3,072	3,072	3,072	3,072



CASITAS WHOLESALE AND RETAIL – Drought Risk Assessment

Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)

2021-2024		Total
	Gross Water Use	14,525
	Total Supplies	10,626
	Surplus/Shortfall w/o WSCP Action	(3,899)
Planned WSCP Actions (use reduction and supply augmentation)		
	WSCP - supply augmentation benefit	0
	WSCP - use reduction savings benefit	3,899
	Revised Surplus/(shortfall)	0
	Resulting % Use Reduction from WSCP action	27%



CASITAS WHOLESALE AND RETAIL – Drought Risk Assessment

Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)

2025	Total
Gross Water Use	14,525
Total Supplies	10,626
Surplus/Shortfall w/o WSCP Action	(3,899)
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	2,000
WSCP - use reduction savings benefit	1,899
Revised Surplus/(shortfall)	0
Resulting % Use Reduction from WSCP action	13%



PROJECTED WATER SUPPLY – Ojai Retail

Description	Source	Reasonably Available Volume
Groundwater	Ojai Wellfield	2,300
Surface Water	Lake Casitas	461
TOTAL		2,761



OJAI RETAIL – Normal Year Supply and Demand

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison, Ojai Retail

	2025	2030	2035	2040
Supply totals	2,761	2,761	2,761	2,761
Demand totals	1,850	1,850	1,850	1,850
Difference	911	911	911	911



OJAI RETAIL – Single Dry Year

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison, Ojai Retail

	2025	2030	2035	2040
Supply totals	2,761	2,761	2,761	2,761
Demand totals	1,850	1,850	1,850	1,850
Difference	911	911	911	911



OJAI RETAIL – Multiple Dry Years

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison, Ojai Retail

		2025	2030	2035	2040
First year	Supply totals	2,761	2,761	2,761	2,761
	Demand totals	1,850	1,850	1,850	1,850
	Difference	911	911	911	911
Second year	Supply totals	2,761	2,761	2,761	2,761
	Demand totals	1,850	1,850	1,850	1,850
	Difference	911	911	911	911
Third year	Supply totals	2,761	2,761	2,761	2,761
	Demand totals	1,850	1,850	1,850	1,850
	Difference	911	911	911	911
Fourth year	Supply totals	2,761	2,761	2,761	2,761
	Demand totals	1,850	1,850	1,850	1,850
	Difference	911	911	911	911
Fifth year	Supply totals	2,669	2,669	2,669	2,669
	Demand totals	1,480	1,480	1,480	1,480
	Difference	1,189	1,189	1,189	1,189



OJAI RETAIL – Drought Risk Assessment

Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)

2021-2024		Total
	Gross Water Use	1,850
	Total Supplies	1,663
	Surplus/Shortfall w/o WSCP Action	(187)
Planned WSCP Actions (use reduction and supply augmentation)		
	WSCP - supply augmentation benefit	0
	WSCP - use reduction savings benefit	187
	Revised Surplus/(shortfall)	0
	Resulting % Use Reduction from WSCP action	10%



OJAI RETAIL – Drought Risk Assessment

Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b)

2025	Total
Gross Water Use	1,850
Total Supplies	2,163
Surplus/Shortfall w/o WSCP Action	313
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	0
WSCP - use reduction savings benefit	0
Revised Surplus/(shortfall)	313
Resulting % Use Reduction from WSCP action	0%





WATER SHORTAGE CONTINGENCY PLAN



Submittal Table 8-1 Water Shortage Contingency Plan Levels

Shortage Level	Percent Shortage Range	Shortage Response Actions
1	Up to 10%	Water Conservation: Voluntary conservation measures to reduce water usage by up to 20%. Follow recommended response actions in most recently adopted WEAP
2	Up to 20%	Water Shortage Warning: Mandatory conservation measures to reduce water usage by up to 20%. Follow recommended response actions in most recently adopted WEAP
3	Up to 30%	Water Shortage Eminent: Mandatory conservation measures to reduce water usage by up to 30%. Follow recommended response actions in most recently adopted WEAP
4	Up to 40%	Severe Water Shortage: Mandatory conservation measures to reduce water usage by up to 40%. Follow recommended response actions in most recently adopted WEAP
5	Up to 50%	Critical Water Shortage: Mandatory conservation measures to reduce water usage by up to 50%. Follow recommended response actions in most recently adopted WEAP
6	>50%	Catastrophic Water System Emergency: Limited to no water can be supplied due to infrastructure damage or failure. Follow recommended response actions in most recently adopted Emergency Response Plan.



TENTATIVE SCHEDULE



Special Board Meeting AND Set Public Hearing Date **5/20/2021**

Internal Review/QC of Draft **5/25/21-6/1/21**

Prepare Public Draft of UWMP and WSCP (internal deadline) **6/3/2021**

1st Public Notice published in OVN and VC Star AND Drafts posted on Casitas website **6/4/2021**

2nd Public Notice published in OVN and VC Star **6/11/2021**

Public Hearing and Board adoption of WSCP and UWMP **6/23/2021**

Final WSCP and UWMP prepared and uploaded to DWR website **No Later Than 7/1/21**

QUESTIONS?

