

# **Appendix A**

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## Template Annual Water Supply and Demand Assessment

## Annual Water Supply and Demand Assessment <xxxx> Year

### CWC 10632.1

*An urban water supplier shall conduct an annual water supply and demand assessment pursuant to subdivision (a) of Section 10632 and, on or before July 1 of each year, submit an annual water shortage assessment report to the department with information for anticipated shortage, triggered shortage response actions, compliance and enforcement actions, and communication actions consistent with the supplier's water shortage contingency plan.*

### Sample Language:

The <xxxx> Annual Water Supply and Demand Assessment (Annual Assessment) provides data and projections for the current year and the subsequent year assuming drought.

## Section 1. Water Supply Assessment

### Guidance:

*This section will evaluate the water supply condition from groundwater basin perspective based on the following documentations:*

1. *Yuba Subbasin's Annual Report submitted to California Department of Water Resources on April 1<sup>st</sup> of the current year*
2. *Groundwater level reported by Yuba Water Agency at the latest quarterly Groundwater Sustainability Agencies meeting*

*This section will also evaluate the District's major water supply infrastructure condition based on the District's pump report and report the water production in accordance with Public Water System (PWS) Annual Report to the Drinking Water Program.*

*Placeholders are in italics and within angle brackets. Please delete the unapplicable language based on year to year condition.*

### Sample Language:

Linda County Water District (LCWD) relies 100 percent on local groundwater supplies from the South Yuba Groundwater Basin (SYGB). Thus, the water supply assessment will focus on supply from SYGB and production wells and related major infrastructures within the District's service area.

**Groundwater Basin Conditions**

Based on the groundwater condition reported in Yuba Subbasin’s <xxxx> Water Year Annual Report (available through: <https://www.yubawater.org/DocumentCenter/View/4532/Final-Yuba-Subbasins-WY-2019-GSP-Annual-Report>) and quarterly Groundwater Sustainability Agencies meeting on <xx June, xxxx>, the groundwater level within the basin is approximately <xxx> feet and LCWD expects its basin supply to be highly reliable. <However, since drought is anticipated, LCWD committed to limit its overall pumping at xxxx MGY/AFY to accommodate the allocation of groundwater to irrigation and agriculture within the basin.>

**Infrastructure Conditions**

The District tracked the performance of well pumps through daily well pump reports in Calendar Year <xxxx>. <Overall, the District’s PWS wells are pumping at the target rates. OR xxxx well(s) is/are anticipated to be rehabilitated to meet the target rate.> A summary of the current year total water production is presented in Table 1-1. District’s well source capacity and pumping limit, assuming drought in the subsequent year, are shown in Table 1-2. The District will keep rolling out the pipeline rehabilitation system within its distribution system per its Water Master Plan to improve the water delivery reliability.

Table 1-1: Water Production in Year <XXXX>	
Month	Water Produced from Groundwater (wells), MG
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	
<b>Total</b>	

Table 1-2: Existing District Supply Source Capacity				
Sources	Status	Well Capacity, gpm	Booster Capacity, gpm <sup>(c)</sup>	Notes
Well 3	Daily	1,100	--	(b)
Well 4	Daily	1,000	1,900	(b)
Well 12	Active	1,500	1,500	
Well 14	Seasonal	1,500	1,500	
Well 15	Daily	3,000	2,360	(c)
Well 16	Daily	3,500	3,600	(e)
Well 17 (Future)				(f)
<b>Total Capacity</b>		<b>10,100</b>	<b>9,260<sup>(f)</sup></b>	(g)
<b>Pumping Limit</b>			<b>&lt;x,xxx&gt;</b>	

NOTES:

All values are in gallons per minute.

(a) Well 3, 4, 12, 14, 15 and 16 are approved by Division of Drinking Water as active groundwater wells. ([https://sdwis.waterboards.ca.gov/PDWW/JSP/WaterSystemDetail.jsp?tinwsys\\_is\\_number=6225&tinwsys\\_st\\_code=CA&wsnumber=CA5810002](https://sdwis.waterboards.ca.gov/PDWW/JSP/WaterSystemDetail.jsp?tinwsys_is_number=6225&tinwsys_st_code=CA&wsnumber=CA5810002))

(b) Wells No. 3 and 4 share a common booster pump, wet well and aeration system.

(c) Based on design setpoints.

(d) Booster capacity based on available pump curves.

(e) Capacity limited by well capacity of 3,500 gpm.

(f) The table will be updated to include Well 17 capacity when brought online.

(g) Total capacity does not equal the sum of the booster capacities, as Well 12 has benzene issues and is used as a standby source by LCWD and Well 16 capacity is limited by the well capacity.

## Section 2. Water Demand Assessment

**Guidance:** This section will summarize the current water demand using the water deliveries data reported within Table 6B of the Annual Report to the Drinking Water Program. Based on if current year has water restrictions or not, the District may adjust the current water demand to reflect unconstrained demand. Planned water demand for subsequent dry year will be projected with a projection factor, which is approximately 4% per District's historical data. The District needs to ground truth the projection factor with the latest water demand increase pattern.

### Sample Language:

Table 2-1 shows the monthly and total pumping volumes of groundwater produced by PWS wells during the <xxxx> Year by water use classification. Based on the District's historic water demand data, a <x%> of water demand increase is anticipated assuming the subsequent year will be a dry-year. The estimated subsequent year demand is estimated at <xxxx> MG as presented in Table 2-1.

Table 2-1: Current Year and Predicted Subsequent Year Pumping Volume for PWS Wells within District, MG							
	Single Family Residential	Multi-family Residential	Commercial / Institutional	Industrial	Landscape Irrigation	Other	Total Retail
January							
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
<xxxx>Year Total							
						Adjustment	<x%>
						<xxxx> Year Unconstrained Total	
						Projection Factor	<x%>
						<xxxx+1> Year Projected Total	

### Section 3. Water Supply Reliability Assessment

**Guidance:** This section will compare the supply and demand and determine if a supply shortage is anticipated and the level of shortage.

Sample Language:

The District anticipated the <Shortage Level xx OR no shortage> within its service area per analysis in Table 3-1.

Table 3-1: Supply and Demand Comparison				
	Unit	Demand	Supply	Supply/Deficit
Current Year	MG			
Subsequent Year	MG			

#### **Section 4. Explanation of Data (Optional)**

**Guidance:** *If Table 3-1 shows a deficit, this section is intended to provide an explanation of events or operational changes that occurred which resulted in a deficit of water supply. Delete this section if no deficit.*

#### **Section 5. Triggered Actions**

**Guidance:** *This section will summarize the triggered shortage actions and compliance and enforcement actions, if any. If shortage anticipated, this section will refer to the 2020 WSCP for detailed Actions.*

Sample Language:

<Shortage Level xx> triggered the following actions according to District’s 2020 Water Shortage Contingency Plan (WSCP):

- <Stage x> of Demand Reduction Actions
- <Stage x> of Consumption Reduction Method
- <Stage x> of Penalties, Charges, other Enforcement of Prohibitions
- *Others (e.g., Operational Changes, Supply Augmentation Actions, **To Be Detailed**)*

OR

No actions are triggered since there is no anticipated water supply deficit.

#### **Section 6. Communication Actions**

Sample Language:

The District will follow the communication protocols to give the notice of the assessment results to its customer and GSAs within SYGB.

OR

No actions are triggered since there is no anticipated water supply deficit.

**CERTIFICATION**

**The Annual Water Supply and Demand Assessment for <xxxx> was prepared and certified by:**

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name:     Javier Rios-Farias    

Printed Name:     Brian G. Davis    

Title:     District Engineer    

Title:     General Manager    

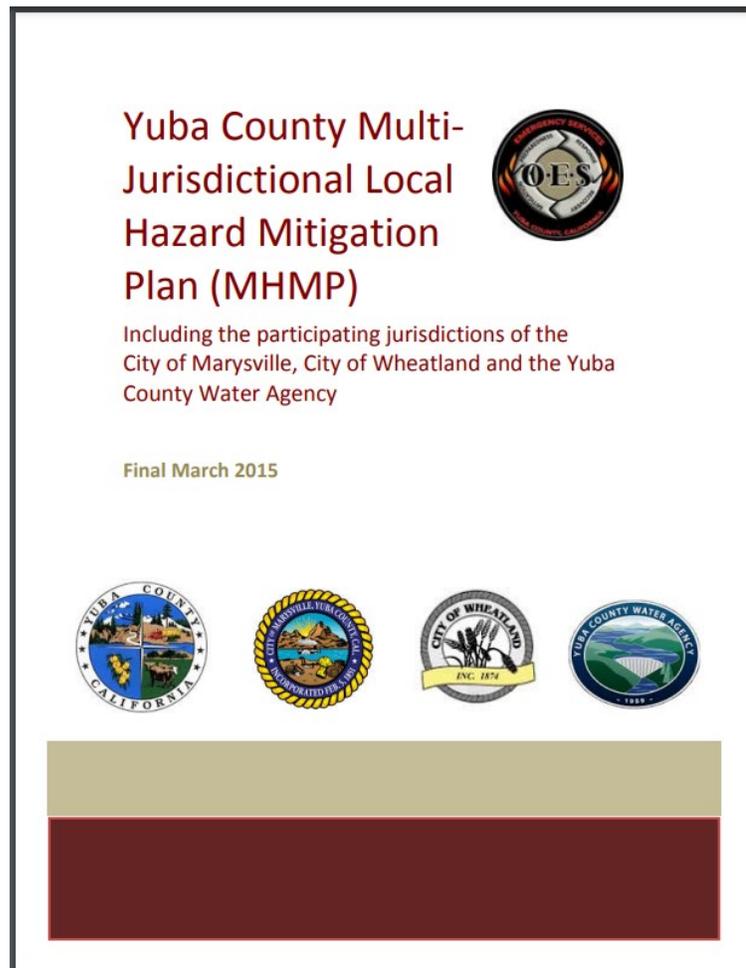
Date: \_\_\_\_\_

Date: \_\_\_\_\_

## Appendix B

### Yuba County Multi-Jurisdictional Local Hazard Mitigation Plan

<https://www.yuba.org/Yuba%20County/Emergency%20Services/Multi-Hazard%20Mitigation/YubaMHMP.pdf>



Annex S Linda County Water District can be accessed at:  
<https://www.yuba.org/Yuba%20County/Emergency%20Services/Multi-Hazard%20Mitigation/Annexes/Annex%20S%20-%20Linda%20County%20Water%20District.pdf>

## **Appendix C**

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### Draft Water Shortage Contingency Plan Ordinance