

Attachment A: 2023 Annual Water Shortage Assessment Report Tables

Table 1. Annual Assessment Information	
Annual Assessment Information (Required)	
Year Covered By This Shortage Report	
Start: July 1,	2023
End: June 30,	2024
Supplier's Annual Assessment Planning Cycle	
Start Month:	July
End Month:	June
Data Reporting Interval Used: MONTHLY	
Volume Unit for Reported Supply and Demand: (Must use the same unit throughout)	AF
Water Supplier's Contact Information	
Water Supplier's Name:	City of Palo Alto
Contact Name:	Lisa Bilir
Contact Title:	Senior Resource Planner
Street Address:	250 Hamilton Avenue, Palo Alto
ZIP Code:	94301
Phone Number:	(650)329-2543
Email Address:	lisa.bilir@cityofpaloalto.org
Report Preparer's Contact Information (if different from above)	
Preparer's Organization Name:	
Preparer's Contact Name:	
Phone Number:	
Email Address:	
Supplier's Water Shortage Contingency Plan	
WSCP Title	2020 Water Shortage Contingency Plan of the City of Palo Alto
WSCP Adoption Date	6/7/2021
Other Annual Assessment Related Activities (Optional)	
Activity	Timeline/ Outcomes / Links / Notes
Annual Assessment/ Shortage Report Title:	Optional
Annual Assessment / Shortage Report Approval Date:	6/12/2023
Other Annual Assessment Related Activities:	The 2020 Water Shortage Contingency Plan of the City of Palo Alto states that Palo Alto will utilize the BAWSCA Regional Reliability Model to evaluate water supply availability, however, the plan also permits the City to use SFPUC data since SFPUC is the City's sole supplier. Specifically, the 2020 Water Shortage Contingency Plan states: "Because Palo Alto relies on only one potable water supply source, SFPUC RWS water, the Annual Assessment will rely on key data inputs from the SFPUC." Palo Alto used the SFPUC's April 17th 2023 Water Supply Availability Update to determine water supply.
(Add rows as needed)	

	= From prior tables
	= Auto calculated

Table 2: Water Demands¹

Use Type	Start Year:				2023	Volumetric Unit Used ² :						AF				
<div>Drop-down list</div> <div>May select each use multiple times</div> <div>These are the only Use Types that will be recognized by the WUEdata online submittal tool</div> <div>(Add additional rows as needed)</div>	Additional Description (as needed)	Level of Treatment for Non-Potable Supplies	Projected Water Demands - Volume ³													
			Drop-down list	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total by Water Demand Type

Demands Served by Potable Supplies

All Demands			1259	1147	1103	1070	840	715	673	554	674	887	1138	1120	11182
															0
															0
															0
															0
															0
															0
															0
															0
															0
															0
															0
															0
Total by Month (Potable)			1259	1147	1103	1070	840	715	673	554	674	887	1138	1120	11182

Demands Served by Non-Potable Supplies

All Demands		Tertiary	54	53	35	22	11	2	2	11	9	24	42	50	315
															0
															0
															0
															0
Total by Month (Non-Potable)			54	53	35	22	11	2	2	11	9	24	42	50	315

Notes: Potable unconstrained customer demand determined using the end-use model described in the 2020 UWMP Section 4. Non-potable unconstrained customer demand determined based on 2020 UWMP projection.

¹Projections are based on best available data at time of submitting the report and actual demand volumes could be different due to many factors.

²Units of measure (AF, CCF, MG) must remain consistent.

³When opting to provide other than monthly volumes (bi-monthly, quarterly, or annual), please see directions on entering data for Projected Water Demand in the Table Instructions.

[illegible]

	= From prior tables
	= Auto calculated

Table 3: Water Supplies ¹																		
Water Supply		Start Year:		2023		Volumetric Unit Used ² :								AF				
Drop-down List May use each category multiple times.These are the only water supply categories that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)		Additional Detail on Water Supply	Projected Water Supplies - Volume ³													Water Quality	Total Right or Safe Yield* (optional)	
													Total by Water Supply Type					
Potable Supplies																		
Purchased/Imported Water	San Francisco Public Utilities Commission Regional Water Supply System	1259	1147	1103	1070	840	715	673	554	674	887	1138	1120	11182				
														0				
														0				
														0				
														0				
														0				
														0				
														0				
														0				
														0				
														0				
Total by Month (Potable)		1259	1147	1103	1070	840	715	673	554	674	887	1138	1120	11182		0		
Non-Potable Supplies																		
Recycled Water	Recycled Water from the Regional Water Quality Control Plant	54	53	35	22	11	2	2	11	9	24	42	50	315				
														0				
														0				
														0				
														0				
Total by Month (Non-Potable)		54	53	35	22	11	2	2	11	9	24	42	50	315		0		
Notes: Palo Alto purchases 100% of its potable water from SFPUC; Palo Alto used the SFPUC's April 17th 2023 Water Supply Availability Update to determine water supply. Palo Alto supplies recycled water for irrigation of the municipal golf course, a park and some other minor applications. There is sufficient supply of both potable and recycled water to meet demand.																		
¹ Projections are based on best available data at time of submitting the report and actual supply volumes could be different due to many factors.																		
² Units of measure (AF, CCF, MG) must remain consistent.																		
³ When opting to provide other than monthly volumes (bi-monthly, quarterly, or annual), please see directions on entering data for Projected Water Supplies in the Table Instructions.																		

[illegible]

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Table 4(P): Potable Water Shortage Assessment ¹						Start Year: 2023		Volumetric Unit Used ² :				AF	
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun ³	Total
Anticipated Unconstrained Demand	1,259	1,147	1,103	1,070	840	715	673	554	674	887	1,138	1,120	11,182
Anticipated Total Water Supply	1,259	1,147	1,103	1,070	840	715	673	554	674	887	1,138	1,120	11,182
Surplus/Shortage w/o WSCP Action	0	0	0	0	0	0	0	0	0	0	0	0	0
% Surplus/Shortage w/o WSCP Action	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
State Standard Shortage Level	0	0	0	0	0	0	0	0	0	0	0	0	0
Planned WSCP Actions													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction	0	0	0	0	0	0	0	0	0	0	0	0	0
Revised Surplus/Shortage with WSCP	0	0	0	0	0	0	0	0	0	0	0	0	0
% Revised Surplus/Shortage with WSCP	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

¹Assessments are based on best available data at time of submitting the report and actual volumes could be different due to many factors.

²Units of measure (AF, CCF, MG) must remain consistent.

³When optional monthly volumes aren't provided, verify Tables 2 and 3 use the same columns for data entry and are reflected properly in Table 4 and make sure to use those same columns to enter the benefits from Planned WSCP Actions. Please see directions on the shortage balancing exercise in the Table Instructions. If a shortage is projected, the supplier is highly recommended to perform a monthly analysis to more accurately identify the time of shortage.

	= Auto calculated
	= From prior tables
	= For manual input

Table 4(NP): Non-Potable Water Shortage Assessment ¹						Start Year: 2023		Volumetric Unit Used ² :				AF	
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun ³	Total
Anticipated Unconstrained Demand: Non-Potable	54	53	35	22	11	2	2	11	9	24	42	50	315
Anticipated Total Water Supply: Non-Potable	54	53	35	22	11	2	2	11	9	24	42	50	315
Surplus/Shortage w/o WSCP Action: Non-Potable	0	0	0	0	0	0	0	0	0	0	0	0	0
% Surplus/Shortage w/o WSCP Action: Non-Potable	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Planned WSCP Actions													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction													0.0
Revised Surplus/Shortage with WSCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Revised Surplus/Shortage with WSCP	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

¹Assessments are based on best available data at time of submitting the report and actual volumes could be different due to many factors.

²Units of measure (AF, CCF, MG) must remain consistent.

³When optional monthly volumes aren't provided, verify Tables 2 and 3 use the same columns for data entry and are reflected properly in Table 4 and make sure to use those same columns to enter the benefits from Planned WSCP Actions. Please see directions on the shortage balancing exercise in the Table Instructions. If a shortage is projected, the supplier is highly recommended to perform a monthly analysis to more accurately identify the time of shortage.

Table 5: Planned Water Shortage Response Actions				July 1, 2023	to June 30, 2024	
Anticipated Shortage Level Drop-down List of State Standard Levels (1 - 6) and Level 0 (No Shortage)	ACTIONS: Demand Reduction, Supply Augmentation, and Other Actions. (Drop-down List) These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.	Is action already being implemented? (Y/N)	How much is action going to reduce the shortage gap?		When is shortage response action anticipated to be implemented?	
			Enter Amount	(Drop-down List) Select % or Volume Unit	Start Month	End Month
Add additional rows as needed						
NOTES: Palo Alto currently implements permanent water use restrictions according to the Palo Alto Municipal Code Section 12.32.010 https://codelibrary.amlegal.com/codes/paloalto/latest/paloalto_ca/0-0-0-69362#JD_Chapter12.32. There is currently no water shortage projected for FY 2024 in Table 4(P).						