

2020 Urban Water Management Plan 2020 Water Shortage Contingency Plan Addendum to the 2015 Urban Water Management Plan



Public Hearing
City Council Meeting
June 8, 2021

Public Hearing Items:

2020 Urban Water Management Plan (UWMP)

- Represents the City's planning elements to satisfy the UWMP Act

2020 Water Shortage Contingency Plan

- Provides the City's planned actions to respond to water shortage conditions

Appendix J Addendum to the 2015 Urban Water Management Plan

- Provides Reduced Delta Reliance reporting to satisfy Delta Plan Policy WR P1

2020 Urban Water Management Plan “UWMP”

Urban Water Management Planning Act of 1983

- Purpose: To ensure, and demonstrate to the State, that there are adequate water supplies for existing and future demands under various hydrologic scenarios
- Every urban water supplier providing water for municipal purposes to more than **3,000 customers** or supplying more than **3,000 acre-feet of water annually**

Plans must be filed with DWR every 5 years

- 2020 UWMP is the 8th reporting cycle since inception of the Act
- Deadline: July 1, 2021

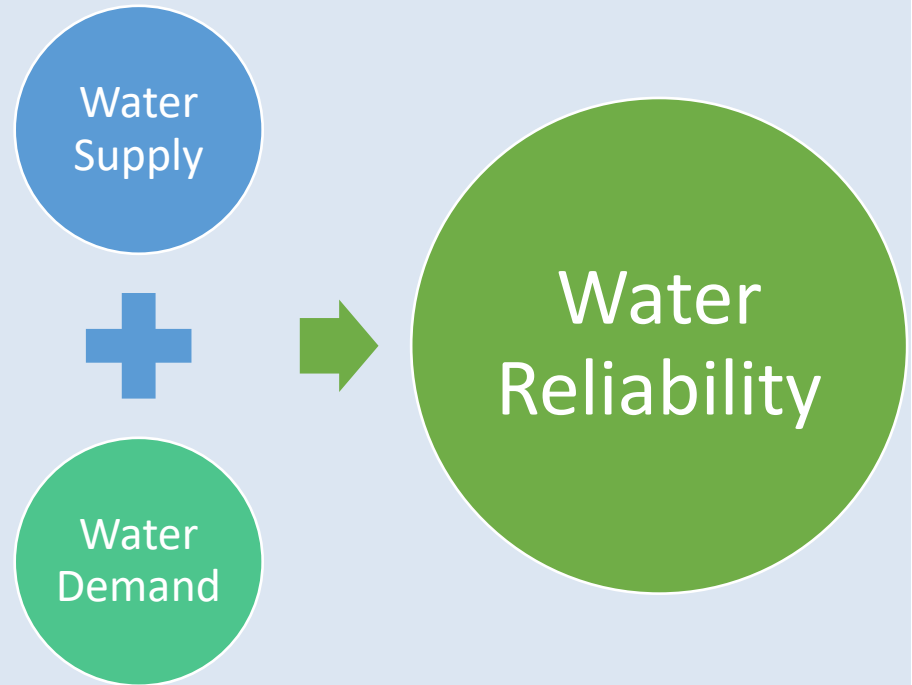
2020 UWMP is an update to 2015 UWMP with new requirements addressed.



2020 UWMP – Assessment Overview

Reliability Assessments

- Long-term (20-25 years)
- Near-term (5 years) **NEW**
- Annual **NEW**



New Items in the City's 2020 UWMP

Long-term drought assessment for 2025-2045 in 5-year increments

Near-term drought risk assessment for 2021-2025

Water Shortage Contingency Plan with new required elements

- Annual Supply and Demand procedures
- Six Shortage Stages, Shortage Response Actions
- Seismic Risk Assessment and Mitigation Plan

Energy Intensity reporting

Reduced Delta Reliance reporting



City's Water Use and Supply Overview

Water Use

Relatively stable over past decade

96% potable and 4% non-potable
over past decade

Projecting to increase slightly

- Remain stable between now and 2025
- ~5% increase between 2025 – 2045

Water Supply

Local Groundwater (OC Basin)

- In 2020 ~ 68% of City's supply
- In 2045 ~ 82% of City's supply

Imported Water (Metropolitan)

- In 2020 ~28.5% of City's supply
- In 2045 ~14.5% of City's supply

Recycled Water (OCWD)

- In 2020 ~3.5% of City's supply
- In 2045 ~ 3.5% of City's supply



City's Reliability Assessment

Compares projected supply to projected demand between 2025 & 2045.

- 3 hydrologic conditions assessed
- Average condition, single dry-year, and 5-consecutive dry years

The City is projected to **meet full-service demands through 2045 for all hydrologic scenarios,**

- MET's 2020 UWMP concludes they can meet full-service demands of all member agencies through 2045
- OCWD projects a Basin Pumping Percentage of 85% through 2045

Key Findings of City's UWMP

City has long-term water service reliability under average year, single dry year, five consecutive drought years

City has near-term supply capabilities sufficient for a drought period lasting five consecutive years

City has plans for supply implementation and water use efficiency investments to meet its projected water demands



Water Shortage Contingency Plan (WSCP) Overview

New requirement of 2018 Water Conservation Legislation

- Included in 2020 UWMP but also a **standalone document**

Key Elements of WSCP :

- Annual Water Supply and Demand Assessment
- Six Standard Water Shortage Levels
- Shortage Response Actions
- Communication Protocols

Shortage Levels & Response Actions

Relationship Between Newport Beach's Water Shortage Levels and Mandated Shortage Levels

City's Shortage Levels		Mandated Shortage Levels		Response Actions
Shortage Level	Shortage Range	Shortage Level	Shortage Range	
Permanent Requirements	0%	N/A	0%	Permanent Mandatory Water Conservation Requirements
1	10%	1	Up to 10%	Impose mandatory conservation requirements to appropriately respond to conditions
2	10-25%	2	10-20%	
		3	20 – 30%	
3	25-40%	4	30 – 40%	
4	>40%	5	40 - 50%	
		6	>50%	

Addendum to 2015 UWMP, Reduced Delta Reliance

The Delta Plan Background

Developed and implemented by Delta Stewardship Council (Delta Reform Act 2009)

- Delta Plan policy WR P1 details what is needed to demonstrate consistency with reduced reliance on the Delta and improved regional self-reliance.

Actions or projects subject to Delta Plan policies are called “covered actions”

- Projects undertaken by state or local agencies
- Occur in whole or in part in the Delta
- Involves transferring water through, exporting water from, or using water in the Delta

Must demonstrate consistency with applicable policies to proceed to implement covered action projects

- Should provide information in our 2015 and 2020 UWMP
- Details near-term (2025) and long term (2040) regional self reliance of the City

State Issued New Guidance on the Delta Plan Policy

2020 UWMP Guidebook Appendix C helps suppliers provide reporting described in Delta Plan Policy WR P1

- Set a baseline (2010)
- Calculate water use efficiency since baseline
- Calculate supplies contributing to regional self-reliance (local supplies, water recycling, advanced water technologies (AWTs))
- Calculate reliance on supplies from the Delta watershed

City's reporting is consistent with approach detailed in UWMP Guidebook and MET's 2020 UWMP

- Developed in conjunction with Metropolitan as part of the UWMP coordination process

Presentation Summary

- ✓ Draft 2020 UWMP and draft WSCP satisfy all UWMP Act requirements
- ✓ Draft Appendix J Reduced Delta Reliance report consistent with guidance
- ✓ Draft plans prepared in coordination with appropriate agencies
- ✓ Draft plans posted for public review
- ✓ Notification requirements completed for the Public Hearing
- ✓ Public Hearing today
- ✓ Recommend City Council adopt plans today
- ✓ Submission on track to meet July 1 deadline



Recommended Actions

- ✓ City Council to adopt the City's
 - ✓ 2020 Urban Water Management Plan
 - ✓ 2020 Water Shortage Contingency Plan
 - ✓ Appendix J Addendum to 2015 Urban Water Management Plan

