Las Virgenes Municipal Water District

2020 Urban Water Management Plan Update and Water Shortage Contingency Plan

Photo Source: https://www.lvmwd.com/about-us/board-of-directors/las-virgenes-municipal-water-district-code

2020 Urban Water Management Plan (UWMP)

Purpose

- Required by Urban Water Management Act effective since 1983
- Ensure adequate water supplies are available to meet existing and future water demands for the next 20 years
- Meeting the water conservation targets set by the Senate Bill x7-7

Who Must Prepare a UWMP?

- Every urban water supplier who:
  - Produces over 3,000 AF/year
  - Serves over 3,000 connections

UWMP

- Updated every five years
- Submitted to the California Department of Water Resources by July 1, 2021

Qualifies District for existing and future grants

New Requirements for 2020 Update

- Drought Risk Assessment (DRA) and the Five Consecutive Dry-Year Water Reliability Assessment
- Standalone Water Shortage Contingency Plan
  - Seismic Risk Analysis
- Energy Use Information
- Water Loss Reporting for Five Years
- Consistency with Groundwater Sustainability Plans
- Lay Description of Plan

Outreach and Coordination

A written notice of the UWMP and WSCP was provided to the following agencies, cities, and counties:

- Calleguas Municipal Water District
- Triunfo Water and Sanitation District
- The Metropolitan Water District of Southern California
- The City of Agoura Hills
- The City of Calabasas
- The City of Hidden Hills
- The City of Malibu
- The City of Simi Valley Waterworks District No. 8
- The City of Westlake Village
- The County of Los Angeles
- The County of Ventura Public Works Department (Ventura County Waterworks District No. 1)

LAS VIRGENES MUNICIPAL WATER DISTRICT

April 12, 2021

Attention:

Ron Fuchiwaki
Director of Public Works
City of Simi Valley Waterworks District No. 8
Public Services Center
500 West Los Angeles Avenue
Simi Valley, CA 93065

Dear Mr. Fuchiwaki,

Reference: Las Virgenes Municipal Water District (LVMWD) 2020 Urban Water Management Plan and Water Shortage Contingency Plan (WSCP) Availability and Public Comment Period

Las Virgenes Municipal Water District (LVMWD) is currently updating its Urban Water Management Plan (UWMP) and preparing its 2020 Water Shortage Contingency Plan (WSCP) and invites all stakeholders and the public to participate in the process. The UWMP is a long-term water resource planning document required for all Urban Water Suppliers by the California Water Code.

LVMWD retained the services of Stantec Consulting Services Inc. to prepare an update to the 2015 UWMP that was adopted by the Board of Directors on May 10, 2016. The draft 2020 UWMP will be available for review on the LVMWD website at the following link:

https://www.lvmwd.com/your-water/urban-water-management-plan

A public hearing to receive public comments and consider adoption of the 2020 UWMP will be held in May or June of 2021 at a regularly scheduled LVMWD Board Meeting. The exact day and time of the meeting will be announced on the above website link when the agenda has been finalized. All interested parties are invited to attend.

If you would like more information or have any questions, please contact Oliver Slosser, PE, at 818-585-7123 or via email at oslosser@lvmwd.com.

Regards,

Oliver Slosser, PE
Senior Engineer
Las Virgenes Municipal Water District
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2020 Water Demand/Supply

(In Acre-Feet per Year)

Demand	2010	2015	2020
Potable Water	20,825	19,585	19,011
Recycled Water	4,354	4,240	5,560
Total Demand	**25,179**	**23,825**	**24,571**

Supply	2010	2015	2020
Purchased or Imported Water	20,212	19,585	20,817
Recycled Water	4,354	4,240	5,560
Total Supply	**24,566**	**23,825**	**26,377**

Photo Source https://www.ourpureh2o.com/Home/ShowPublishedImage/12050/636839257476900000

Projections of "Normal Year" Supply/Demand

Projected Demand	*2025*	*2030*	*2035*	*2040*	*2045*
Potable Water, Raw, Other Non-potable	19,190	20,246	21,363	22,544	23,792
Recycled Water Demand	3,995	3,995	3,995	3,995	3,995
Projected Total Demand	**23,185**	**24,241**	**25,358**	**26,539**	**27,787**

Projected Supplies	*2025*	*2030*	*2035*	*2040*	*2045*
Purchased or Imported Water	19,190	17,146	18,263	19,444	20,692
Supply from Storage (Pure Water Project - Las Virgenes Reservoir)	-	3,100	3,100	3,100	3,100
Recycled Water	3,995	3,995	3,995	3,995	3,995
Projected Total Supply	**23,185**	**24,241**	**25,358**	**26,539**	**27,787**

NOTES: Recycled Water Supply does not include Potable Water Supplement. Purchased or Imported Water is set equal to total potable water demand. Source water is expected to be reliable during normal, single-dry year, and extended drought periods into the future.

Note: Future projections include supply anticipated from Pure Water Project (or MWD, if necessary)

Projections of "Single Dry-Year" "Multiple Dry-Year" Supply/Demand

(In Acre-Feet per Year)

Single Dry-Year

Projected Demand for Single Dry-Year	***2025***	***2030***	***2035***	***2040***	***2045***
Projected Total Demand	25,488	26,298	27,549	28,872	30,270

Multiple Consecutive Dry-Years

Projected Demand for Multiple Dry-Year	***2025***	***2030***	***2035***	***2040***	***2045***
Projected Total Demand	25,872	26,642	27,915	29,261	30,684

- Supply is anticipated to meet projected demands
- MWD anticipates having sufficient dry weather storage

Water Shortage Contingency Plan

Shortage Stage	Shortage Percentage	Response Actions	
		Trigger	Actions
1	Up to 10%	• Federal, state or local disaster declaration that may impact water supplies • State or MWD declaration due to drought or system maintenance • LVMWD Board of Directors determination • Unplanned LVMWD water system maintenance	LVMWD • Initiate public information campaign with large water users, cities, and County • Commence enforcement of conservation measures
2	Up to 20%	• See Stage 1 triggers. The difference is the severity and/or maintenance repair time.	LVMWD • Initiate public information campaign with large water users, cities, and County • Commence enforcement of conservation measures
3	Up to 50%	• Federal, state or local disaster declaration that may impact water supplies • State or MWD determination due to drought or significant system failure • State outdoor irrigation restriction; and/or • MWD Water Supply Allocation Plan (5-50% of baseline allocation) • LVMWD Board of Directors determination • Unplanned LVMWD water system failure or emergency (Westlake Filtration Plant, Dam and/or Backbone System)	LVMWD • Take from storage • Intensify public information campaign • Expand enforcement of conservation measures • Implement State and MWD required reductions • Provide regular media, city councils, and County briefings • Activate emergency connections with mutual aid agencies
4	>50%	• Federal, state or local disaster declaration that may impact water supplies • Sacramento to Delta/SWP failure • State or MWD determination due to drought or significant system failure • LVMWD Board of Directors determination • Natural or human-caused catastrophe disrupting delivery of water to, or within the service area • Severe LVMWD water system failure (Westlake Filtration Plant, Dam and Backbone System)	LVMWD • Take from storage • Activate Emergency Operations Center and implement crisis plan • Implement State and MWD required reductions • Install flow restrictors on meters as necessary • Terminate potable water supplement to the recycled water system • Recall all temporary meters and activate water fill stations

Water Shortage Contingency Plan

Shortage Stage	Shortage Percentage	Response Actions	
		Trigger	**Actions**
1	Up to 10%	• Federal, state or local disaster declaration that may impact water supplies • State or MWD declaration due to drought or system maintenance • LVMWD Board of Directors determination • Unplanned LVMWD water system maintenance	MWD • Take from storage • Execute Flexible Supplies • Implement Water Supply Allocation Plan (WSAP) LVMWD • Initiate public information campaign with large water users, cities, and County • Commence enforcement of conservation measures

District's Current Water Conservation Efforts/Programs

- Implementation of the AMI/AMR System
- Public outreach and education on water conservation
- Uses tiered water rates
- Rebate Programs
- Water Conservation Programs, such as:
  - Weather Based Irrigation Controller Giveaway Program
  - High Water Use Account Review and One-on-One Consultations
  - Rain Barrel Giveaway Program
  - Development of a Landscape Initiative
- Phase II Solar Generation Project (Energy Project)

Meeting Senate Bill x7-7 Water Conservation Targets

SBx7-7	*2010*	*2015*	*2020*
Actual GPCD	298	224	227
Target GPCD	N/A	280	249

2020 water usage was 9 percent under 2020 target

Next Steps

- 2020 UWMP to be adopted by District Board
- 2020 UWMP will be submitted to DWR by July 1, 2021
- Starting in 2023, the Water Supply Assessment will be submitted to DWR Annually on July 1