



# **2020 Agricultural Water Management Plan**

Prepared Pursuant to Water Code Section 10826

**Lost Hills Water District (LHWD)**  
1405 Commercial Way, Suite 125  
Bakersfield, CA 93309  
Phone (661) 633-9022  
Fax (661) 633-9026

Adopted on April 8, 2021

## Table of Contents

Section I: Preparation and Adoption.....	6
A.    Description of Previous Water Management Activities.....	6
B.    Coordination Activities.....	7
1.    Notification of AWMP Preparation.....	7
2.    Public Participation.....	7
C.    AWMP Adoption, Submittal, and Availability.....	9
1.    AWMP Adoption.....	9
2.    AWMP Submittal.....	9
3.    AWMP Availability.....	9
D.    AWMP Implementation.....	9
Section II: Description of the Agricultural Water Supply and Service Area.....	9
A.    Physical Characteristics.....	9
1.    Size of the service area.....	9
2.    Location of the service area and water management facilities.....	12
3.    Terrain and soils.....	17
4.    Climate.....	21
B.    Operational characteristics.....	22
1.    Operating rules and regulations.....	22
2.    Water delivery measurements or calculations.....	24
3.    Water rate schedules and billing.....	25
4.    Drought Management Plan and Water Shortage Allocation Policy.....	27
Section III: Description of Quantity of Water Uses.....	29
A.    Agriculture Water Use.....	30
B.    Environmental Water Use.....	32
C.    Recreational Water Use.....	33
D.    Municipal and Industrial Use.....	33
E.    Groundwater Recharge Use.....	34
F.    Transfer and Exchange Use.....	34
G.    Other Water Use.....	34
Section IV: Description of Quantity and Quality of the Water Resources of the Agricultural Water Supplier.....	35
A.    Water Supply Quantity.....	35
1.    Surface Water Supply.....	35
2.    Groundwater Supply.....	36

3.	Sustainable Groundwater Management Act (SGMA) .....	37
4.	Delta Plan Consistency .....	38
5.	Other Water Supplies .....	39
6.	Drainage from the Water Supplier's Service Area .....	40
B.	Water Supply Quality .....	42
1.	Surface Water Supply.....	42
2.	Groundwater Supply.....	43
3.	Other Water Supplies .....	44
4.	Drainage from the Water Supplier's Service Area .....	44
C.	Water Quality Monitoring Practices .....	45
1.	Source Water .....	45
Section V: Water Accounting and Water Supply Reliability .....		47
A.	Quantifying the Water Supplier's Water Supplies.....	47
1.	Agricultural Water Supplier Water Quantities .....	47
2.	Other Water Sources Quantities.....	50
B.	Quantification of Water Uses.....	50
C.	Overall Water Budget.....	52
D.	Water Supply Reliability .....	53
Section VI: Climate Change .....		56
A.	Potential Climate Change Effects.....	57
1.	Water Demand .....	57
2.	Water Supply and Quality .....	57
3.	Sea Level Rise .....	57
4.	Disaster .....	57
B.	Specific Points to Consider .....	57
1.	Irrigation Demand.....	57
2.	Permanent Crops .....	57
3.	Flooding Risk.....	58
4.	Snowpack.....	58
5.	The Sacramento-San Joaquin River Delta .....	58
Section VII: Water Use Efficiency Information.....		59
A.	EWMP Implementation and Reporting .....	59
1.	Critical EWMPs.....	59
2.	Conditional EWMPs.....	60
B.	Documentation for Non-Implemented EWMPs.....	71
Section VIII: Supporting Documentation.....		72