

District and Contact Information

Current Date	3/16/2026
District Name	Madera Irrigation District
District Address	12152 Road 28 1/4 Madera CA 93637
District Website	www.madera-id.org

12-Month Reporting Period

Start Month and Year	January 2025
End Month and Year	December 2025

General Manager

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Title	General Manager
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Annual Update Prepared By

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Other Contact

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Water Supplies

Amount (in acre-feet) of Federal water supplied during this reporting period.	See attached table
Amount (in acre-feet) of non-Federal water used during this reporting period.	See attached table

BMP A1: Water Measurement (Planner pages 3-14 - 3-15 and 4-20)

How many measurement devices do not measure within a +/- 6 percent by volume? If unknown, enter "0" and explain below.	3
What is the percentage of delivery points that are measured?	99%
How many measurement devices were installed* this year?	3
How many measurement devices will be installed in the following year?	3
How many measurement devices were upgraded** this year?	36
How many measurement devices will be upgraded in the following year?	50

* "installed" means adding a device where previously one was not present.

** "upgraded" means replacing an existing device.

Brief Comments/Narrative

Madera Irrigation District (District) has been budgeting yearly for meter upgrades and reconstructing the existing pump test locations so proper metering can be taken, there are 2 remaining pump test site locations that currently do not take District water and if they decide to take water in the future the District will change the installation so proper metering can be accomplished. The District has continued performing upkeep and maintenance on existing water measurement equipment and installing new devices on ordered custom turnouts. Budgetary expenses have increased due to several turnouts being equipped with incorrect meter sizes and outdated meters have been replaced for upgrading from analog to digital meters. The District has seen an increase in surface water demand and will be increasing the meter budget in future years, as surface water supplies become more prevalent. Known turnouts will be upgraded this year to the proper size and we will continue moving forward with turnout inspections as time allows.

BMP A2: Water Conservation Coordinator and Contact Information (Planner pages 3-15 and 4-20)

Water Conservation Coordinator or Water Conservation Point of Contact

First Name	Rosendo
Last Name	Baldovinos
Title	Supervising Engineering Technician
Phone	559-673-3514 x209
Email	rbaldovinos@madera-id.org

BMP A3: Water Conservation Education and Outreach Programs (Planner pages 3-18 and 4-20)

Describe your water conservation education and outreach programs. If you do not have such a program, describe your milestones and timeline for complying with this BMP.

Madera Irrigation District (MID or District) does many forms of outreach and education on various water-related topics. MID growers are able to do independent on-farm evaluations through mobile labs or private consultants which the District provides information on. MID has also developed a new on-line platform for District water users to view almost real-time water usage information, comparison to prior years information, and billing information. The District continually provides information to growers through its website, direct emails, Constant Contact, direct mailings, newsletters, press releases, social media, and growers' meetings.

BMP A4: Pricing Structure (Planner pages 3-18 and 4-20)

Is your District in compliance with adopting a water pricing structure for District water users based at least in part on quantity delivered?	Yes
If 'no', are you meeting the milestones to adopt such a structure?	

If you are not meeting the milestones, describe your plan and milestones for complying with this BMP.

Madera Irrigation District (District) currently charges growers by a volumetric measurement taken through District meters.

BMP A5: Evaluate and Improve the Efficiency of the District's Pumps (Planner pages 3-18 and 4-20)

Does your District have any well or lift pumps?	Yes
In 'no', proceed to BMP B1.	
If 'yes', does your District have a pump efficiency evaluation program?	Yes
How many pumps were tested for efficiency this year?	1
How many pumps will be tested for efficiency in the following year?	0

If your District has pumps but does not have a pump efficiency program, describe your schedule and milestones for complying with this BMP.

Madera Irrigation District (District) has 6 lift pumps used in the District, 2 of those pumps were replaced in 2018 and 2 others were replaced in 2019. The 5th pump was pulled and rebuilt in 2020, the 6th pump is currently not being used. One of the pumps will be rebuilt in 2026 and three of the six pumps will be integrated into the SCADA system for automation. The District in addition has 4 of the 5 pumps using variable speed drives (VFD) which improves the efficiency of the pump. Every pump in the District also has a volumetric meter, so the efficiency of the pump is monitored during the irrigation season. The old well on MID property is not currently used for domestic purposes; the new office well was installed on the property in 2025.

BMP B1: Facilitate Alternative Land Use (Planner pages 2-19, 3-19, and 4-21)

Does your District have irrigated lands with any of the following characteristics?	No
High water table (<5 feet)?	
Poor drainage?	
Groundwater selenium concentration > 50 ppb?	
Poor productivity?	
Other characteristic that would make this BMP not applicable for your District?	
Did your District’s most-recent 5-year Water Management Plan demonstrate your District is exempt from this BMP?	
If ‘no’, do you facilitate alternative uses for lands with exceptionally poor production potential or whose irrigation contributes to significant problems?	
How many acres were converted this year?	
How many acres will be converted in the following year?	

Please provide any additional information you may believe is relevant.

BMP B2: Facilitate Use of Available Recycled Water That Otherwise Would Not Be Used Beneficially (Planner pages 2-19, and 3-19 – 3-20, and 4-21)

Does your District have access to recycled water?	No
Did your District’s most-recent 5-year Water Management Plan demonstrate your District is exempt from this BMP?	No
If ‘no’, do you have a program that will promote the use of recycled water by agricultural customers?	No

If ‘no’, describe your plan and milestones for implementing a program to become compliant with this BMP.

BMP B3: Facilitate the Financing of Capital Improvements for On-Farm Irrigation Systems (Planner pages 2-19, 3-20, and 4-21)

Did your District's most-recent 5-year Water Management Plan demonstrate your District is exempt from this BMP?	No
If 'no', do you have programs to facilitate and/or provide financial incentives for improved on-farm water management?	

If 'no', describe your plan and milestones form implementing a program to become compliant with this BMP.

Madera Irrigation District (MID or District) does not directly have any programs, however MID does partner with other local agencies such as the NRCS and RCDs to provide information and opportunities to landowners for on-farm systems. District growers are able to do independent on-farm evaluations through mobile labs or private consultants. The District provides information to growers on these services through many medias including its website, newsletter, and grower meetings.

BMP B4: Incentive Pricing (Planner pages 2-19, 3-20 – 3-21, and 4-21)

Does your district receive only Class 2 water from Reclamation?	No
If 'no', did your District's most-recent 5-year Water Management Plan demonstrate your District is exempt from this BMP?	No
Do you have a pricing structure that promotes one or more of the following goals:	
Encourages more efficient water use at the farm level?	Yes
Supports planned conjunctive use of groundwater?	Yes
Increases groundwater recharge?	Yes
Reduces problem drainage?	Yes
Improves management of environmental resources?	Yes
Adjusts seasonal rates based on current conditions?	Yes
If 'no', are you on schedule for meeting the milestones to become compliant with at least one of these goals?	

If 'no', describe your plan and milestones for becoming compliant with this BMP.

The crop water delivery season and pricing procedures of the District are reviewed and established annually by the Board of Directors; the District's goal is to maintain a pricing schedule that encourages surface water use when available. Additionally, MID does significant outreach to landowners to address these topics.

BMP B5A: Line Pipe Ditches and Canals (Planner pages 2-19, 3-21, and 4-22)

Are you exempt from this BMP?	No
If 'yes', proceed to BMP B5B.	
If 'no', during this reporting period, did your District line or pipe any ditches or canals?	Yes

If 'yes', please describe the actions taken and the anticipated water savings.

Madera Irrigation District (District) piped approximately 750 linear feet of open canal in 2020 and replaced approximately 1-1/2 miles of existing failing pipeline with new HDPE & PVC pipe. The District is budgeting Capital Improvement Projects yearly to replace failing pipeline infrastructure that has reached the end of its life expectancy. The District replaced 1200ft of pipe on the 6.2-14.5-0.5 with 30" ADS pipe, 2640ft of pipe on the 6.2-14.5-0.5-1.0 with 30" ADS pipe, and 1300ft of pipe on the 24.2-21.1W. A new pipeline extension was added to the Kenny canal covering 1 mile for the District to serve more users surface water.

BMP B5B: Regulatory Reservoirs (Planner pages 2-19, 3-21 – 3-22, and 4-22)

Are you exempt from this BMP?	No
If 'yes', proceed to BMP B6.	
If 'no', during this reporting period, did you District construct any regulatory reservoirs?	No
What is the current total capacity (in acre-feet) of your District's regulatory reservoirs?	3,289
What is the estimated water savings (in acre-feet) from spills or operational improvements related to regulatory reservoirs?	

If 'no', describe your plan and milestones for becoming compliant with this BMP.

The District did construct 2 additional regulatory basins in 2025. The first basin completed in 2025 contains 109 acres Southeast of the city on Avenue 13 to utilize for recharge purposes. The second basin, which is still under construction, will contain approximately 50 acres North of the city on Avenue 22 once it is completed in 2026.

**BMP B6: Increase Flexibility in Water Ordering by, and Delivery to, Water Users
(Planner pages 2-19, 3-22, and 4-22)**

Are you exempt from this BMP?	No
If 'yes', proceed to BMP B7.	
If 'no', does your District have an on-demand delivery system?	Yes
Has your District reached the maximum flexibility currently feasible without major physical improvements to its delivery systems?	Yes
Is your District investigating improving its delivery flexibility?	Yes

Describe any improvements in delivery flexibility completed during this reporting period.

The District is a farmer friendly service provider with an on-demand system. The District has and will continue to utilize technology to improve its delivery system. The District maintains a SCADA system with monitoring & control on 34 gates and 20 sites with flow monitors for more efficient and accurate control of the delivery system. The District is in the process of evaluating its existing SCADA system with improved radio monitoring by changing the serial connection to ethernet and upgrading to the Ignition SCADA system for the water season of 2026. Additionally, the District has created an on-line water user platform for growers to go on-line, and view almost real-time water use information.

If your District is not exempt from this BMP and does not have an on-demand delivery system, describe the milestones and timeline for complying with this BMP.

**BMP B7: Construct and Operate District Spill and Tailwater Recovery Systems
(Planner pages 2-19, 3-22 – 3-23, and 4-22)**

Is your District's system completely piped and without delivery constraints?	No
Does your District have spills or tailwater leaving the District?	Yes
Is your District investigating developing a spill/tailwater recovery system?	Yes
Has your District implemented a spill/tailwater recovery program?	No

If 'no', to any of the above questions, describe the milestones and timeline for complying with this BMP.

The District is measuring the amount of operational management outflow water at various locations by utilizing water level sensors and analyzes the data for improved operations and management. The District is actively seeking basin locations at the end of the District for capturing spill water, the 2016 WaterSmart SCADA Grant is an example of a spill water basin developed at the end of a system.

BMP B8: Measure Outflow (Planner pages 2-19, 3-23, and 4-23)

Is your District exempt from this BMP?	No
If 'yes', proceed to BMP B9.	
If 'no', does spill water leave your District?	Yes
Does tailwater leave your district?	Yes
Does your district identify spill locations, prioritize spill locations by quantity of spill, and determine best measurement methods/costs?	Yes
What is the total number of outflow (surface) location/points?	6
What is the total number of outflow (subsurface) location/points?	
What is the percentage of outflow (volume) measured during this reporting period?	100%
Does your most recent 5-year WMP include a funding proposal, estimated costs, and a milestone schedule for complying with this BMP?	Yes

If your District has not taken any actions toward measuring outflow, describe the milestones and timeline for complying with this BMP.

All outflow locations are measured and monitored on SCADA.

BMP B9: Optimize Conjunctive Use of Surface and Groundwater (Planner pages 2-19, 3-23, and 4-23)

Is your District exempt from this BMP?	No
If 'yes', proceed to BMP B10.	
If 'no', does your District have conjunctive use options?	Yes
Is your District investigating a conjunctive use program?	No
Has your District implemented a conjunctive use program?	No

If your District does not have a conjunctive use program, describe the milestones and timeline for complying with this BMP.

District growers must supplement the District's surface water supplies with groundwater during certain times of the year, typically pre-irrigation needs are met primarily with groundwater, summer irrigation with surface water, and fall irrigations with a combination of both. The District works with the growers to time the irrigation season as best it can while taking into account the demand and supply from USBR, the District has adopted a Water Management Plan and a Groundwater Sustainability Plan.

BMP B10: Automate Distribution and/or Drainage System Structures (Planner pages 2-19, 3-23 – 3-24, and 4-23)

Are you exempt from this BMP?	No
If 'yes', proceed to BMP B11.	
If 'no', is your District's distribution system completely piped and without delivery constraints?	No
Is your District's drainage system completely automated?	No
If 'no', is your District investigating system automation and improvement?	Yes
What is the estimated amount (acre-feet) of water provided with improved service?	3,610
What is the estimated amount (acre-feet) of water spill which could be eliminated by future automation projects?	

If 'no', describe your plan and milestones for becoming compliant with this BMP.

The District has received several Grants for SCADA control improvements over the years and currently the District maintains a SCADA system with monitoring and control on 34 gates and 20 sites with flow monitors for more efficient and accurate control on the delivery system. The District continues to improve automation and monitoring with the SCADA upgrade to the Ignition program and converting the 34 gates from serial to ethernet connection for improved efficiency and control on the delivery system.

BMP B11: Customer-Owned Pump Testing and Evaluation (Planner Pages 2-19, 3-24, and 4-23)

Is your District exempt from this BMP?	No
If 'yes', proceed to BMP B12.	
If 'no', how many customer-owned groundwater pumps does your District have?	
How many customer-owned lift pumps does your District have?	
How many customer-owned diversion pumps does your District have?	
Do you have a program to facilitate or promote customer pump testing and evaluation?	Yes
What is the number of customer-owned pumps tested during this reporting period?	

If your District does not have such a program, describe the milestones and timeline for complying with this BMP.

Customer-owned groundwater pumps are used by District landowners. These are under the control, ownership, and operation of the customer. The District landowner are able to do independent on-farm evaluations through mobile labs or private consultants, the District provides information to growers on these services through many medias including its website, newsletter, and grower meeting.

BMP B12: Geographic Information System Mapping (Planner pages 2-19, 3-24, and 4-23)

Are you exempt from this BMP?	No
If 'no', have you developed GIS maps of your distribution system and drainage system?	Yes
If 'no', are you on schedule for meeting the milestones to implement such a program, as documented in your most recent 5-year WMP?	

Please describe any activities you have undertaken to improve or expand upon its GIS database during this reporting period.

The District is continually updating it's GIS database mapping system, in 2018 the District started mapping all District right-of-ways and were complete in 2026. In addition to facility mapping, the District maps all SCADA, radio connections, and recorder sites and updates all system changes throughout the District. ArcGIS Online will be utilized through the Field Maps application for future maintenance tracking projects.

If your District has neither developed a GIS map of its system nor is on schedule to do so, describe your milestones and timeline for complying with this BMP.