VIII.

# MEMORANDUM

TO: SLDMWA Board of Directors, Alternates

FROM: John Brodie, Water Resource Programs Manager
Joe McGahan, Regional Drainage/Westside Watershed Coalition Coordinator

DATE: January 12, 2023

RE: Activity Agreements – Staff Report for December, 2022

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This memorandum serves as the Staff Report for December 2022 regarding specified[1] Water Authority activities not separately addressed on the Board meeting agenda.

## 1. Integrated Regional Water Management (IRWM) Activity Summary

### General Westside-San Joaquin Integrated Regional Water Management Plan (IRWMP)

Work continues on the Proposition 1 Round 1 IRWM Grant administered through SLDMWA. The three projects with tasks to complete include the West Stanislaus Irrigation District Pumping Plant Modernization, the Orestimba Creek Recharge and Recovery Project, and the Broadview Aquifer Storage and Recovery Project. Work has already been completed on the Turlock Component of the North Valley Regional Recycled Water Program and the City of Huron Groundwater Supply Well and Recharge Project.

## 2. Sustainable Groundwater Management Activity (SGMA) Activity Summary

### Coordinated Activities

Groundwater Sustainability Agencies (GSAs) established a timeline and task list for timely completion of the required 2025 Groundwater Sustainability Plan (GSP) Updates. The Updates must be finalized in less than two years so they can be adopted by all 23 GSAs in the Subbasin, including local governments, prior to submitting in January 2025. The tasks include updating the Coordination Agreement adopted with the original GSPs in January, 2020.

Fall groundwater level data was submitted to DWR by the January 1, 2023 deadline. It is part of the data that will be used for the Water Year 2022 Annual Report. The report must be submitted to DWR by April 1, 2023.

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[1] For the sake of completeness, this includes those Activity Agreements that have been approved by the Board of Directors, but not yet signed by all interested members and/or participants (i.e., the Los Vaqueros Expansion Project Activity Agreement, the Exchange Contractors 2019-2023 Transfer Program Activity Agreement, and the Westside-San Joaquin Integrated Regional Water Management Activity Agreement).

**General SGMA Activities**

Work continues on projects funded by the $7.6-million-dollar SGMA Implementation grant awarded to the Subbasin. The focus of the participating GSP groups is to fill data and monitoring gaps for Interconnected Surface Water and Subsidence.

**3. Drainage Activity Summary**

**Grassland Basin Drainage Management Steering Committee Activity Summary**

- Prepare for and lead GBD Steering Committee meeting on December 16.

Present the FY 2023-2024 budget for approval.

- Regional Board Grassland Bypass Project Stakeholder Meeting

A Regional Board meeting is scheduled for January 2023. Prepared preliminary information for presentation at the meeting.

- Mud Slough Restoration Project

The Water Authority adopted the CEQA for the project in December 2021. There were comments received on the project from the State Board, California Department of Fish and Wildlife (CDFW) and a group of commenters led by the Planning and Conservation League (PCL). A meeting is being scheduled with CDFW to review and move the project forward.

- Grassland Water District Monitoring Wells

A total of 10 observation wells are planned to be installed to monitor groundwater levels and quality within the San Joaquin River Improvement Project and in a portion of Grassland Water District to the north. Work continues on permitting issues from Merced County and landowner issues.

- Preparation for Storm Events

Weather forecasts predicted considerable rain for late December. Preparations were made for discharges which started late December.

- Compliance Monitoring

Work is continuing to comply with the monitoring requirement of the 2019 Revised WDRs and with the December 2019 Use Agreement. This monitoring includes particulate sediment and fish collection and analysis to continue to analyze possible impacts of very infrequent discharge from the Grassland Bypass Project to Mud Slough and the San Joaquin River. Work was completed to develop the program for 2023.

- Grassland Drainage Area Coalition

Work continues to provide coverage for farmers within the Grassland Drainage Area for the Irrigated Lands Regulatory Program. Reporting forms are being prepared to send to farmers in late 2022 for reporting 2022 nitrogen application.

- Work is ongoing to support the Prop 84 Grant administered by Panoche Drainage District for improvements to the San Joaquin River Improvement Project.

**San Joaquin Valley Drainage Authority Activity Summary**

- Development of FY 23-24 SJVDA Budget including consultant scopes of work.

Work is underway to develop the FY 23-24 SJVDA Activity Agreement budgets.

- The monitoring plan for the Westside Coalition was updated for the 2023 monitoring year. This included coordinate with laboratories and sub consultants.

- Westside San Joaquin River Watershed Coalition

Work continues to provide coverage for farmers within the Grassland Drainage Area for the Irrigated Lands Regulatory Program. The work includes managing the monitoring program, assisting farmers with the necessary reporting to comply with the program and preparing reports for the Regional Board. Reporting forms are being prepared to send to growers for reporting 2022 nitrogen application.

- Groundwater Protection Formula, Values and Targets

Coalitions are developing a methodology to establish nitrogen loading values and targets as required by the WDRs. Ongoing work includes meeting with other coalitions and staff developing the values and targets along with supporting that work through the SJVDA budget.

- Management Zones

Continue efforts to comply with the CVSalts Nitrate Control Program through a management zone. A meeting and presentation was made to the San Luis and Delta-Mendota Coordination Committee to investigate overlap of efforts.

The Central Valley Basin Plan's Nitrate Permitting Strategy divided the Central Valley into Priority 1, Priority 2 and non-Prioritized basins. The Westside Coalition is in Priority 2. Priority 1 basins have developed and begun to implement their nitrate programs. The Regional Board is expected to issue notices to comply to Priority 2 basins in early 2023. The Westside San Joaquin River Watershed Coalition is in a Priority 2 basin and therefore is expected to receive a Notice to Comply from the Regional Board in 2023. The Westside Coalition is working to develop a plan to help form a Management Zone to comply with the requirements. The Management Zone will incorporate all dischargers of nitrate to groundwater, including municipal wastewater plants, dairies and industrial dischargers. The Management Zone will need to identify domestic wells that are high in nitrate and develop and plan to provide alternative water. This added program will significantly increase the SJVDA budget to support this work and is being supported through the SJVDA budget. Coordinated follow up meeting with GSA coordinating committee.

- Salt Control Program

Phase I of the Salt Control Program involves the development of a Prioritization and Optimization Study (P&O Study). Currently, consultants are compiling data in order to characterize current salinity conditions of both surface and groundwater across the Central Valley. Phase I of the Salt Control Program is expected to last years. This work is being supported through the SJVDA budget.

- Prop 84 Real Time Program Grant

Work continues on upgrading various monitoring stations and gathering monitoring data. Remaining work includes maintaining the stations and modeling to determine and manage salt discharges to the San Joaquin River.

VIII. A.

Del Puerto WATER District
P.O. Box 1596 Patterson, CA 95363-1596
Phone (209) 892-4470 • Fax (209) 892-4469

Carmel Kinsella Brown, P.E., Manager
Division of Regional Assistance
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236

Via Email

December 26, 2022

RE: Award Acceptance Letter - Proposition 1 Round 2 IRWM Implementation Grant

Dear Ms. Brown,

By signing this letter, the Del Puerto Water District certifies that it is the Grantee and does hereby accept the grant award in the amount of $955,000 for the Reservoir Decision Support Tool for Del Puerto Canyon Reservoir.

Further, we submit that the Decision Support Tool, which will aid us in the proper selection of a site for the building of our reservoir, will ultimately reduce our reliance on the Delta by allowing our Region to store water supplies in a reservoir located South of the Sacramento-San Joaquin Delta when they are available, for use in years when supplies are reduced due to hydrologic conditions and/or for environmental protection.

Sincerely,

Anthea G. Hansen
General Manager
Del Puerto Water District

Del Puerto WATER District
P.O. Box 1596 Patterson, CA 95363-1596
Phone (209) 892-4470 • Fax (209) 892-4469

Carmel Kinsella Brown, P.E., Manager
Division of Regional Assistance
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236

Via Email

December 26, 2022

RE: Authorization of the DocuSign use for all official transactions related to the Proposition 1 Round 2 IRWM Implementation Grant

Dear Ms. Brown,

By signing this letter, the Del Puerto Water District does hereby agree to the following option regarding the use of DocuSign for all official transactions related to the Proposition 1 Round 2 IRWM Implementation Grant award, including Agreement execution, Amendments, Invoices and various other documents.

- [X] We do consent to the use of DocuSign for all transactions by us and DWR
- [ ] We do not consent to the use of DocuSign by us. However, we do consent to the use of DocuSign by DWR.
- [ ] We do not consent to the use of DocuSign by either us or DWR

Sincerely,

Anthea G. Hansen

Anthea G. Hansen
General Manager
Del Puerto Water District

VIII.C.

Draft Timeline: 2025 Plan Update for Coordination Committee

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|---|---|
| December 12, 2022: | Finalize recommended changes to draft 2025 Update timeline. Initiate task/substask discussions/assignments for individual GSAs and consultants. Request input on changes to the Coordination Agreement. |
| January 9, 2022: | Staff submits draft of example "simplified language" (from Common Chapter) for possible adjustments to 2025 Plan update. Review updated draft budgets for fund 63. Review of items needed for Annual Report. Review statutory requirements for the 2025 Plan updates and DWR's latest Plan update recommendations. |
| February 13, 2023: | Continue GSP draft simplified language review and make recommendations. Begin discussions on how to address public comments received on GSP and revisions in the 2025 Plan Updates. Review of any released DWR GSP Determinations on other Subbasins for possible relevance to D-M Subbasin. Draft a workplan for 2025 GSP updates including assignments to specific GSAs and consultants. Begin review of Annual Report Data for the 2025 Plan Updates. Refine 2025 GSP update workplan. |
| March 13, 2023 | Conduct expedited review of DWR comments and recommended actions on revised GSPs and Common Chapter. |
| April 10, 2023: | Finalize review of DWR comments and recommended actions and incorporate into 2025 GSP update workplan. Finalize workplan including specific assignments for individual GSAs, GSP groups, and consultant tasks. Draft RFP for selecting Plan Update consultant. Schedule meeting with DWR to discuss Plan Update process and procedures. |
| May 1, 2023: | Issue RFP for Northern & Central Delta-Mendota Subbasin GSP 2025 Update. Staff/GSA/group analysis of "Basin" and "Setting" Chapters and DWR recommended actions. Further review of staff "simplified" text approach. Solicit feedback from DWR on simplified approach. |
| May 31, 2023: | Deadline for 2025 Update RFP Responses from Consultants. Continue discussions on Coordination Agreement revisions. |
| June 1-15 2023: | Subcommittee meets to select consultant(s) to interview for 2025 NCDMS Plan Update. Interview consultant(s) for 2025 NCDM GSP Update. |
| June 15-30 2023: | Select consultant to perform specific tasks for 2025 NCDM GSP Update. Execute Fiscal Year task order. Consultant performs analysis of (any) DWR Plan Update guidance documents, recommended |

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| | actions, and task/subtask lists and assignments including responses to comments. If needed, schedule meeting with DWR staff to discuss Plan Update items. |
| July 10, 2023: | Deadline for consultant data adjustments for 2025 CC Update "Plan Area" and "Settings" Chapters. Begin outline of responses to "general comments." Begin review and discussions of Subbasin Water Budget and Sustainable Yield with Coordination Committee/TWG. Review of staff "simplified language" proposed changes. Review GSA/GSP group, staff, and consultant task list and timelines. |
| August 14, 2023: | Continue Water Budget and Sustainable Yield discussions with CC/TWG. Address DWR recommended actions. Finalize WQ section if able and begin discussions on CC Interconnected Surface Water SMC and Table. Meet with DWR to discuss Update progress and proposed changes. |
| September 11, 2023: | Finish water budget and sustainable yield with CC/TWG and incorporate into NCDM GSP. Incorporate WQ SMC and Table (if not already done) and/or Interconnected Surface Water SMC and table (see above). If able, begin discussions on Chronic Lowering of Groundwater. Address DWR recommended actions. |
| October 9, 2023: | Finalize Interconnected Surface Water SMC and Table (if not already done) and/or Chronic Lowering of Groundwater SMC and Table. Review tasks lists for GSAs, GSP groups, staff, and consultants for schedule. Review and identify any new priorities for next fiscal year's budget. Address DWR recommended actions. Meet with DWR to discuss Update progress and proposed changes. Review GSA/GSP group, staff, and consultant task list and timelines. |
| November 13, 2023: | Finalize Chronic Lowering of groundwater SMC and table. Begin discussions of Reduction in Groundwater Storage SMC and Table. Continue review of budget. Address DWR recommended actions. Review items needed for Annual Report. |
| December 11, 2023: | Continue discussions of Reduction in Storage SMC and Table. Approve next fiscal year's budget. Continue to review simplified language efforts. Address DWR recommended actions (if needed). Meet with DWR to discuss Update progress and changes. |
| January 8, 2024: | Finalize Reduction in Storage SMC and Table. Begin discussions of SMC and Table for Subsidence. Address DWR recommended actions (if needed). Review staff edits for simplified language. Review GSA/GSP group, staff, and consultant task list and timelines. |

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| February 12, 2024: | Continue discussions of SMC and Table for Subsidence. Address DWR recommended actions (if needed). Meet with DWR to discuss Update progress and changes. |
| March 11, 2024: | Finalize SMC and Table for Subsidence. Begin planning public meetings on 2025 update. Finalize action on DWR recommended actions (if needed). Create draft presentation on Update changes. Meet with DWR to discuss Update progress and changes. |
| April 8, 2024: | Buffer month for tying up loose ends. Possibly begin public meeting roadshow. Review simplified language changes and refine draft presentation. Review GSA/GSP group, staff, and consultant task list and timelines. |
| May 13, 2024: | Begin holding public meetings on 2025 GSP update in Cooperation with the Coordination Committee. Note attendance and comments. Final review of GSA/GSP group task assignments and completion. |
| June 10, 2024: | Continue public meetings. Finalize draft Coordination Agreement revisions. Continue GSP simplified language revisions. Meet with DWR to discuss Update progress and changes. |
| July 8, 2024: | Continue Public Meetings. Continue individual GSP revisions. Coordination agreement out for GSA/GSP approval. |
| August 12, 2024: | Deadline for final review of CC, GSPs, and response to comments. Continue public meetings. |
| September 9, 2024: | Final approval of GSP 2025 Update. |
| Sept./Oct. 2024: | Begin public notices, public hearings, and formal approval at GSA level for final 2025 Common Chapter and individual GSP updates. |
| January 23, 2025: | Submit 2025 GSP Updates including Common Chapter, other appendices, and Coordination Agreement. |

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VIII.C.

DELTA-MENDOTA SGMA

**Delta-Mendota Subbasin Coordination Committee Meeting**

**Monday January 9, 2023 2:00 PM**

**AGENDA**

1. Call to Order/Roll Call
2. Committee to Consider Corrections or Additions to the Agenda of Items, as authorized by Government Code Section 54950 et seq.
3. Opportunity for Public Comment

**Consent Calendar**

4. Committee to Review and Take Action on Consent Calendar, Martin
   a. Minutes of the December 12, 2022 Joint Coordination Committee and Technical Working Group Meeting
   b. Minutes of the January 3, 2023 Special Coordination Committee Meeting
   c. Minutes of the January 5, 2023 Special Joint Coordination Committee and Technical Working Group Meeting
   d. Budget to Actual Report (through November 2022)
   e. Grant Reimbursement Summary Report

**Action Items**

5. Committee to Consider Approval of Chair and Vice Chair Appointments for Calendar Year 2023, Brodie
6. Committee to Consider Approval of Fiscal Year 2024 SGMA Coordinated Budget, Brodie/Petersen
7. Committee to Consider Recommendations from the Technical Working Group for Subsidence Monitoring Network Sites to Fulfill SGMA Round 1 Grant Requirements, Martin/Brodie

**Report Items**

8. Committee to Discuss Timeline and Tasks for 2025 GSP Updates, Hopkins/Ramirez/Brodie
9. Committee to Discuss Coordination Agreement Amendment(s), Hopkins/Stilwell
10. Committee to Discuss Nitrate Program Outreach and Cooperation with SJVDA, Hopkins/Martin
11. Committee to Discuss Prop. 1/Prop. 68 Sustainable Groundwater Planning Grant Reimbursements, Brodie
12. Committee to Discuss WY 2022 Annual Report, Dumas/Brodie
13. Committee to Discuss GSP Monitoring/Reporting Changes from Revised GSPs, Brodie

14. Committee to Discuss Available Funding Opportunities, Brodie

15. Next Steps, Brodie

16. Reports Pursuant to Government Code Section 54954.2(a)(3)

**Closed Session**

17. Conference with Legal Counsel – Existing Litigation

The Committee will meet in closed session to confer with legal counsel pursuant to Paragraph 1 of Subdivision (d) of Government Code Section 54956.9.

*California Sportfishing Protection Alliance v. All Persons Interested in the Matter of the Validity of the Northern and Central Delta-Mendota Regions Groundwater Sustainability Plan, et al.,* Stanislaus County Superior Court, Case No. CV-20-001748, Merced County Superior Court, Case No. 21CV-01691.

**Open Session**

18. Report out of Closed Session, Wiersma

19. Next Meeting: Monday, February 13, 2023, 9:30 AM, San Luis & Delta-Mendota Water Authority, Los Banos

20. ADJOURNMENT

Persons with a disability may request disability-related modification or accommodation by contacting Cheri Worthy or Sandi Ginda at the Water Authority Office, 842 6th Street, P.O. Box 2157 Los Banos, CA 93635, via telephone at (209) 826-9696, or via email at cheri.worthy@sldmwa.org or sandi.ginda@sldmwa.org. Requests should be made as far in advance as possible before the meeting date, preferably 3 days in advance of regular meetings or 1 day in advance of special meetings/workshops.

Joint Meeting of the Delta-Mendota Subbasin Coordination Committee and Technical Working Group

Monday, December 12, 2022, 9:30 AM DRAFT

SLDMWA Boardroom, 842 6th Street, Los Banos, CA

Coordination Committee Members and Alternates Present

Chase Hurley, Member – Pacheco Water District
Jarrett Martin, Member – Central California Irrigation District/SJREC
Ric Ortega, Member – Grassland Water District*
Jim Stilwell, Member – Farmers Water District
Joe Hopkins, Member – Aliso Water District/Provost & Pritchard
Augie Ramirez, Alternate – Fresno County
Alejandro Paolini, Alternate – San Luis Canal Company/SJREC*
Will Halligan, Alternate – Farmers Water District/LSCE
Lacey McBride, Alternate – Merced County*

San Luis & Delta-Mendota Water Authority Staff Present

John Brodie
Lauren Viers*
Scott Petersen*

Others Present

Anthea Hansen – Del Puerto Water District
Adam Scheuber – Del Puerto Water District*
Ara Azhderian – Panoche Water District
Ellen Wehr – Grassland Water District*
Kyle Hill – CCID*
Steve Stadler – San Luis Water District
Maria Encinas – City of Patterson*
Rick Iger – Provost & Pritchard*
Kaitlyn Palys – Provost & Pritchard*
Denver Noell – Provost & Pritchard*
Ethan Andrews – Provost & Pritchard
Lauren Layne – Baker Manock & Jensen*
Andrew Francis – LSCE*
Anona Dutton – EKI Environment & Water, Inc.*
Meredith Durant – EKI Environment & Water, Inc.*
John Fio – EKI Environment & Water, Inc.* (first portion of meeting)
Natalie Cochran – Woodard & Curran*
Nigel Quinn –Lawrence Berkeley National Laboratory*
Joe McGahan – San Joaquin Valley Drainage Authority
Orvil McKinnis – Summers Engineering/San Joaquin Valley Drainage Authority
David Cory – San Joaquin Valley Drainage Authority
Kiti Campbell – Westlands Water District*
Amanda Peisch-Derby – Dept. of Water Resources*

Claudia Faunt – USGS* (first portion of meeting)
Kirk Nelson – USBR* (first portion of meeting)
John Traum – USGS* (first portion of meeting)

* Denotes telephonic/Zoom participation.

1. Call to Order/Roll Call

   Jarrett Martin/SJREC called the meeting to order at 9:30 AM.

2. Opportunity for Public Comment

   No public comment was shared.

3. Committee to Review and Take Action on the Consent Calendar

   a) Minutes of the October 10, 2022 Regular Meeting
   b) Minutes of the October 21, 2022 Special Meeting
   c) November Budget to Actual Report
   d) Grant Reimbursement Summary Report

   The Committee considered approval of the prior meeting minutes as presented in the meeting packet. John Brodie noted that the Budget to Actual Report includes expenditures through October 2022. Joe Hopkins/Aliso Water District provided the motion to approve the Consent Calendar and Will Halligan/Farmers Water District seconded. The Committee voted by roll call; the motion was passed unanimously by those present.

4. Committee to Discuss Updated CVHM2-SJV Model, Martin/Nelson/Faunt

   The USGS/USBR staff involved in the groundwater flow model provided an update. Reuse of water has been added to the model to simulate the entire agricultural irrigation process. Model calibration results for water levels and subsidence at selected monitoring locations within the Subbasin were displayed. The data sets used in developing and calibrating the model are available online. The updated model is being peer reviewed. It is anticipated that, following response to comments from the peer review process, the model will be available in mid-2023. In response to a question from Joe Hopkins regarding differences between the DWR model and the USGS model, Claudia Faunt/USGS responded that USGS is working with DWR to compare data sets and prepare an explanation of differences.

5. Committee to Discuss Subbasin Collaboration on Irrigated Lands Program Compliance for Nitrate, McGahan/Azhderian

   Joe McGahan/San Joaquin Valley Drainage Authority discussed the presentation slides included in the meeting materials. He noted that the management of salt and nitrate in the Central Valley involves other business activities, in addition to agriculture. Joe emphasized the importance of the drinking water quality concerns, and the need for collecting samples from domestic wells. This involves extensive community outreach, including requests to individual well owners and well users to obtain access for sample collection. The metric for success in the community outreach is obtaining permission to collect samples from every domestic well. The anticipated costs for this program are significant, and it would be beneficial to collaborate with the Subbasin GSAs to reduce duplication of efforts. The Subbasin GSP group representatives will consider this information and additional discussions are anticipated.

6. Committee to Discuss Preliminary Draft of FY 2024 SGMA Budget, Brodie

John Brodie/SLDMWA stated that the preliminary draft of the FY 2024 Coordination Committee budget will be discussed during an overall budget review workshop by the SLDWMA Board later in the week. Comments from Committee members regarding the draft budget are requested by early January 2023, with adoption of the FY 2024 SGMA budget anticipated in January 2023.

7. Committee to Discuss SGMA R2 Grant Application, Cochran

Natalie Cochran/Woodard & Curran reported that a draft of the grant application has been circulated to the participants for their review. The application will be submitted to DWR on Friday, December 16, 2022. It is currently expected that DWR will announce the awarded grants by late spring 2023, with funding agreements completed by late fall 2023.

8. Committee to Discuss SGMA R1 First Invoice Submission, Cochran/Brodie

The first invoice for the SGMA 1 Grant reimbursement is due to DWR on Friday December 23, 2022. The Subbasin has requested, and received, one extension from DWR. Reminder emails have been sent to the Subbasin participants. Ellen Wehr/Grassland filled out the template for Component 9; which might serve as a useful example for others. The Committee requested that a summary of the grant-reimbursable expenditures to date be provided prior to submittal of the submittal of the first reimbursement request to DWR. The Committee also requested information regarding how funds reimbursed by DWR to the Subbasin are subsequently transmitted to the GSAs or member agencies.

9. Committee to Discuss Implementation Activities Funded by SGMA Round 1, Cochran/Brodie

   a) GSA Volunteer Lead for Data Gaps and Monitoring Component
      i. Subsidence Monitoring
      ii. Interconnected Surface Water Monitoring Network
   b) Outreach and Engagement Component

John Brodie identified the need for a volunteer from the Subbasin to lead the data gaps and monitoring tasks (Component 8) of the SGMA Round 1 grant-funded activities; alternatively, a consultant will be retained following preparation and issuance of a Request for Proposals. This is a time-critical activity, with planning and contracting activities that need to be completed prior to installation of additional monitoring wells or equipment. It was decided that the Committee will revisit this topic at a special meeting in early January 2023.

10. Committee to Discuss Workplan and Schedule for Preparation of 2025 GSP Update, Hopkins/Ramirez/Brodie

John Brodie stated that DWR is expecting to provide responses on the Amended GSPs submitted in 2022, during the first quarter of 2023, with responses on the more complicated GSPs (such as this Subbasin), issued later in the quarter. Meanwhile, preparation of the 2025 GSP Update needs to be initiated, with a final draft document completion in the fall of 2024.

11. Committee to Discuss Revised GSP/Common Chapter Implementation Changes, Brodie

John Brodie discussed the GSP Implementation tasks summarized in tables prepared for the Northern & Central GSP group. These may serve as a useful reminder for other GSP groups in the Subbasin. Jarrett Martin/SJREC identified the need for the GSP groups to start developing their water budgets based upon the commitments in the Amended GSPs. John Brodie noted that

DWR has required that the water budgets use the data from the submitted Annual Reports. The Committee noted that the USGS/USBR model may not be released in time for it to be a useful tool in the water budget process.

12. Committee to Discuss WY 2022 Annual Report, Cochran

Natalie Cochran reported that preparation of the WY 2022 Annual Report has been initiated. Outstanding water level data need to be entered into the Subbasin DMS. Water level maps are being prepared and will be provided to KDSA for combination across the Subbasin. Requests for data and draft text sections have been transmitted to each of the GSP leads.

13. Committee to Discuss Potential Funding Opportunities, Brodie

Information on potential funding opportunities is summarized in the meeting materials.

14. Next Steps

The following action items were identified during the meeting:

a) Jarrett Martin and Joe Hopkins will work on Nitrate Program Outreach and look at possible budget for collective efforts
b) John Brodie will circulate the summary of SGMA Round 1 expenditures to date
c) SLDMWA will provide information regarding reimbursement of GSAs
d) The timeline for preparation of the 2025 GSP Update will be included in future meeting materials
e) The templates for water budgets will be provided
f) The next meeting of the Coordination Committee is tentatively scheduled for January 9, 2023 at 2PM at Grassland Water District offices. Topics will include identifying a project manager for the data gap filling.

15. Reports Pursuant to Government Code Section 54954.2(a)(3)

John Brodie noted that, as detailed in the meeting materials, beginning on January 1, 2023, revised state rules will impact participation in public meetings conducted by public agencies. Agencies should contact Lauren Layne with any questions regarding meeting process requirements.

16. Conference with Legal Counsel – Existing Litigation

The Committee met in closed session to confer with legal counsel pursuant to Paragraph 1 of Subdivision (d) of Government Code Section 54956.9.

*California Sportfishing Protection Alliance v. All Persons Interested in the Matter of the Validity of the Northern and Central Delta-Mendota Regions Groundwater Sustainability Plan*, et al., Stanislaus County Superior Court, Case No. CV-20-001748, Merced County Superior Court, Case No. 21CV-01691.

17. Report Out of Closed Session

No reportable items were identified from Closed Session.

18. ADJOURNMENT

Jarrett Martin adjourned the meeting at 11:54 AM.

Special Meeting of the Delta-Mendota Subbasin Coordination Committee

Tuesday, January 3, 2023, 1:00 PM DRAFT

SLDMWA Boardroom, 842 6th Street, Los Banos, CA

and

Patterson Irrigation District Boardroom, 948 Orange Avenue, Patterson, CA

Coordination Committee Members and Alternates Present

Chase Hurley, Member – Pacheco Water District
Jarrett Martin, Member – Central California Irrigation District/SJREC
Ric Ortega, Member – Grassland Water District
Jim Stilwell, Member – Farmers Water District
Joe Hopkins, Member – Aliso Water District/Provost & Pritchard
John Wiersma, Member – San Luis Canal Company/SJREC
Augie Ramirez, Alternate – Fresno County
Vince Lucchesi, Member – Patterson Irrigation District*
Ken Swanson, Alternate – Grassland Water District*

San Luis & Delta-Mendota Water Authority Staff Present

John Brodie
Scott Petersen*

Others Present

Anthea Hansen – Del Puerto Water District*
Ellen Wehr – Grassland Water District*
Chris Rogers – Central California Irrigation District*
Steve Stadler – San Luis Water District
Andrew Francis – LSCE*
Meredith Durant – EKI Environment & Water, Inc.*
Thomas Harder – (on behalf of Friant Water Authority)*

* Denotes telephonic/Zoom participation.

Note that due to a technical difficulty, Zoom participants could hear each other, but could not be heard in the SLDWMA meeting room. Communication between the remote participants and the meeting room participants occurred via the chat function in Zoom.

1. Call to Order/Roll Call

   Jarrett Martin/SJREC called the meeting to order at 1:01 PM.

2. Opportunity for Public Comment

   No public comment was shared.

3. Committee to Discuss SGMA Round 1 Grant Component 8

   a) ISW Monitoring Network Implementation
   b) Subsidence Monitoring System Implementation
   c) RFP

Joe Hopkins/Aliso Water District summarized the tasks included for interconnected surface water (ISW) monitoring in Component 8 of the SGMA Round 1 Implementation Grant, including: design, permitting, bidding, and well installation. The Committee reviewed the figure included in the SGMA Round 1 grant application which depicts five (5) potential ISW monitoring locations along the San Joaquin River. John Brodie noted that the siting objectives included proximity to stream gauges, as well as potential coordination with ISW monitoring wells east of the River (potential locations identified by other GSP groups). It was noted that the available budget for Component 8 of the SGMA Round 1 grant is $640K, with apportionment between the ISW and subsidence monitoring subcomponents not yet determined. LSCE was requested to prepare a draft scope and budget for installation of additional ISW monitoring wells along the San Joaquin River. John Brodie will schedule a meeting of the Subbasin Technical Working Group for Thursday January 5th, 2023 to review and discuss the previously provided recommendations for additional subsidence monitoring points within the Subbasin. John Brodie will contact DWR to discuss potential revision in the scope of the subsidence monitoring program included in the SGMA Round 1 grant. These topics will also be included in the agenda for the regular Coordination Committee meeting scheduled for January 9th, 2023.

4. Committee to Discuss GSP Implementation

   a) Annual Report
   b) New Commitments: Revised GSPs

Preparation of the WY2022 Annual Report is in progress. The committee discussed the need for a task manager to drive future data collection, data compilation, and report preparation activities, including preparation of the 5-year update of the Subbasin GSP. The need for an individual assigned to this role is clear; however, identifying the person and associated financial arrangements will require further discussion. It was noted that DWR comments on the Amended GSP submitted in July 2022 are unlikely to be received until March 2023. The schedule for Coordination Committee activities to support development and preparation of the 5-year GSP update was discussed, and subsequently provided to Committee members via email from John Brodie.

5. ADJOURNMENT

Jarrett Martin adjourned the meeting at 2:52 PM.

Special Joint Meeting of the Delta-Mendota Subbasin Technical Working Group and Coordination Committee

Thursday, January 5, 2023, 11:00 AM DRAFT

SLDMWA Boardroom, 842 6th Street, Los Banos, CA

Coordination Committee Members and Alternates Present

Jarrett Martin, Member – Central California Irrigation District/SJREC
Ric Ortega, Member – Grassland Water District*
Joe Hopkins, Member – Aliso Water District/Provost & Pritchard*
John Wiersma, Member – San Luis Canal Company/SJREC
Alejandro Paolini, Alternate, San Luis Canal Company*
Augie Ramirez, Alternate – Fresno County
Chase Hurley, Member – Pacheco Water District (departed meeting early)
Will Halligan, Alternate – Farmers Water District/LSCE*

San Luis & Delta-Mendota Water Authority Staff Present

John Brodie
Ray Tarka*
Scott Petersen*

Others Present

Ellen Wehr – Grassland Water District*
Chris Rogers – Central California Irrigation District*
Ara Azhderian – Panoche Water District*
Kyle Hill – Central California Irrigation District*
Steve Stadler – San Luis Water District
Juan Cadena – Mercy Springs Water District*
Andrew Francis – LSCE*
Meredith Durant – EKI Environment & Water, Inc.*
Leslie Dumas – Woodard & Curran*
Rick Iger – Provost & Pritchard*
Kait Palys – Provost & Pritchard*
Ethan Andrews – Provost & Pritchard*
Chris Olvera – Dept. of Water Resources*

* Denotes telephonic/Zoom participation.

1. Call to Order/Roll Call

   Jarrett Martin/SJREC called the meeting to order at 11:03 AM.

2. Opportunity for Public Comment

   No public comment was shared.

109

3. Committee to Discuss SGMA Round 1 Grant Component 8, Subsidence Monitoring Network Tasks and Deliverables, Hopkins/Brodie

a) Review of SGMA Round 1 Grant Component 8 Subsidence Monitoring Deliverables
b) Review of Existing Subsidence Monitoring Efforts
c) Committee Input on Subsidence Monitoring Gaps in the Delta-Mendota Subbasin
d) Review of Subsidence Study Recommendations
e) Nexus of Grant Tasks, Subsidence Study, and Subbasin Monitoring Needs
f) Possible Grant Amendment Scope and Limitations

Approximately $640K is available in the SGMA Round 1 Grant Component 8 for installation of additional interconnected surface water and subsidence monitoring points. The purpose of this meeting is to identify potential additional subsidence monitoring locations within the Subbasin. Based upon recently obtained information, the cost for installation of a multi-layer compaction monitoring well exceeds the amount of the available grant funds. The group discussed several locations within the Subbasin where additional subsidence monitoring data are needed, and could be obtained using continuous GPS monitoring equipment. An additional possibility would be to install a nested monitoring well to monitor changes in water levels in the Upper and Lower Aquifers in conjunction with nearby subsidence monitoring.

4. Recommendations for the Coordination Committee

Leslie Dumas will contact several of the Northern Delta-Mendota GSA members (not present in this meeting) to discuss their interest in additional subsidence monitoring points in the northern portion of the Subbasin. John Brodie will contact DWR to discuss potential revision of the scope in SGM Grant Component 8. Will Halligan will develop a cost estimate for installation of a continuous GPS monitoring point, including equipping and installation, and a nested groundwater monitoring well. The recommendation to the Coordination Committee will be to approve the plan for use of the available SGMA Round 1 funds for installation of continuous GPS monitoring equipment in several locations.

5. ADJOURNMENT

Jarrett Martin adjourned the meeting at 11:52 AM.

VIII.C.

DELTA-MENDOTA SGMA

## Technical Working Group

January 5, 2023 Recommendations for Subsidence Monitoring site locations to the Delta-Mendota Subbasin Coordination Committee:

1. It will be cost prohibitive to install a multi-layer compaction monitoring well. The estimated cost is near $1 million dollars. Under this grant component, there is only $640,000 for non-specific Subsidence and Interconnected Surface Water monitoring. Instead, additional continuous GPS monitoring stations should be a priority.
2. Install a CGPS monitoring station (including security measures and telemetric capabilities) in the Aliso GSA near the Bifurcation Structure. Pair this with a nested multi-level monitoring well so that data from the two can be compiled and analyzed to better understand subsidence in the area.
3. Install a CGPS monitoring station (including security measures and telemetric capabilities) near Check 7 of the Delta-Mendota Canal (DMC). If a location near Check 7 is not feasible, look to Check 8.
4. Install CGPS monitoring station(s) in the Grassland and/or San Joaquin River Exchange Contractor GSAs.



111

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VIII C.3.

**Anthea Hansen**

**From:** Reclamation Public Affairs <publicaffairs@usbr.gov>
**Sent:** Thursday, January 5, 2023 12:06 PM
**To:** Anthea Hansen
**Subject:** Biden-Harris Administration invests $7 million in 82 projects to improve water efficiency

Bureau of Reclamation

# News Release

**For Release: Jan 5, 2023**

**Contact:** Peter Soeth, psoeth@usbr.gov, 303.445.3615

## Biden-Harris Administration invests $7 million in 82 projects to improve water efficiency

*The Bipartisan Infrastructure Law to support drought resilience in 14 Western States*

**WASHINGTON** – The Bureau of Reclamation today announced a $7 million investment from President Biden's Bipartisan Infrastructure Law in 82 small-scale water efficiency projects across the West. These grants will support local community projects, including measuring water flow, automating water delivery, or lining canals. Today's funding is part of $1 billion provided through the Bipartisan Infrastructure Law for the innovative WaterSMART program, which supports states, Tribes, and local entities as they plan for and implement actions to increase water supply through investments to modernize existing infrastructure and avoid potential water conflicts.

"Community-driven projects are at the heart of WaterSMART, and small investments can go a long way to support water supply and reliability," said **Reclamation Commissioner Camille Calimlim Touton**. "These water efficiency improvements are small, but when combined throughout the West, the projects play an important role in communities becoming more resilient to drought."

Projects in 14 western states were selected to receive funding. The projects range from Idaho's Island Ward Canal Company receiving $23,890 for their automated headgate installation to the City of Watford in North Dakota receiving $100,000 to add smart



112

transmitters to 636 existing municipal water meters. Other examples of projects include:

The Belle Fouche Irrigation District in South Dakota will receive $99,542 to convert 3,600 feet of unlined canal into a buried pipeline. It will provide a more efficient and reliable water delivery system. It is part of the district's ongoing effort to upgrade and improve water storage.

The Elephant Butte Irrigation District in New Mexico will install motors on an existing check structure and construct a new metering station on the Leasburg Main Canal. The project will allow them to improve the control of diversion flow rates, upstream water pressure and downstream flow. In addition, it will accomplish priorities identified in the Lower Rio Grande Regional Water Plan and 2017 Regional Water Plan to maximize the benefit of the Rio Grande Project surface water.

The Moapa Valley Water District, northeast of Las Vegas, Nevada, will receive $100,000 to upgrade 400 domestic meters with new meters and cellular endpoints for improved data analytics and water management. This project meets the district's goals of its water conservation plan and capital improvement plan.

The Bipartisan Infrastructure Law allocates $8.3 billion for Reclamation water infrastructure projects over the next five years to advance drought resilience and expand access to clean water for families, farmers and wildlife. The investment will repair aging water delivery systems, secure dams, complete rural water projects, and protect aquatic ecosystems.

To learn more about the WaterSMART Program or for a complete listing and description of the selected projects, please visit www.usbr.gov/watersmart/swep/. Projects could receive up to $100,000, with total costs generally no more than $225,000. The selected entities are matching the funding with at least a 50-percent non-federal cost share.

To learn more about Reclamation's implementation of the Bipartisan Infrastructure Law, please visit www.usbr.gov/bil/.

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**About Reclamation:** The Bureau of Reclamation is a federal agency under the U.S. Department of the Interior and is the nation's largest wholesale water supplier and second largest producer of hydroelectric power. Our facilities also provide substantial flood control, recreation opportunities, and environmental benefits.

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3

— BUREAU OF —
RECLAMATION

# FY 2022 Small-Scale Water Efficiency Projects

## Arizona

### Buckeye Water Conservation and Drainage District, Installation of Relief Drainage and Automated Gate System on Lateral 44 Project

**Reclamation Funding: $100,000** **Total Project Cost: $219,993**

The Buckeye Water Conservation and Drainage District, located in central Arizona, will install two solar-powered automatic, supervisory control and data acquisition (SCADA) controlled gates on Lateral 44. The installation and automation of the gates will minimize flooding hazards to local residential development, reduce breaching of the main canal, and improve the management and efficiency of the water system. The project addresses the goals and objectives to automate the irrigation system identified in the district's Water Conservation Plan.

### Central Arizona Irrigation and Drainage District, Automated Control Gate Installation - Phase 1A

**Reclamation Funding: $100,000** **Total Project Cost: $219,399**

The Central Arizona Irrigation and Drainage District, located in southern Arizona, will install three automated control gates, each with supervisory control and data acquisition control. These gates will be connected to a SCADA system, allowing operators to monitor and automatically adjust flow rates to help reduce spills and provide the district with accurate flow rate information to schedule deliveries. The project will help the district accomplish priorities identified by its Water Conservation Plan, including identifying ways to meet changing conditions with new strategies and technologies.

### City of Bullhead City, Water Meter Conversion Metering Project

**Reclamation Funding: $100,000** **Total Project Cost: $207,972**

The City of Bullhead City, located in northwest Arizona, will upgrade 25 residential and commercial water meters with advanced metering infrastructure capable water meters. The addition of AMI infrastructure will allow the city to conserve water and give customers easy access to water use data, including near real-time alerts to make informed water use decisions and take timely action to address leaks and unexpected consumption. This project supports the City of Bullhead City's 2022 Water Conservation Plan.

### Maricopa-Stanfield Irrigation and Drainage District, Santa Rosa Canal Lateral WC Turnout Gate Replacement Project

**Reclamation Funding: $89,000** **Total Project Cost: $184,006**

The Maricopa-Stanfield Irrigation and Drainage District, located in Arizona, will upgrade an existing turnout gate with a new automated gate with integrated flow measurement. The new gate will help the district eliminate spills, provide ongoing accurate flow measurement, and improve the irrigation system's overall water management. The project will help them accomplish their Water Conservation Plan priority goals related to creating water system resiliency, and irrigation system modernization and improvement.

### Mayer Domestic Water Improvement District, Water Meter Upgrade and Radio Read Project

**Reclamation Funding: $100,000** **Total Project Cost: $225,000**

The Mayer Domestic Water Improvement District, located north of Phoenix, will replace and upgrade water meters with radio-read transmitters and integrate them into the district's billing system. The project will allow the district to automate and more accurately collect meter readings resulting in decreased water loss and unaccounted water. The district's Water Conservation Plan identifies the goal of water conservation and accurate billing.

### Paloma Irrigation and Drainage District, Automated Control Gates Project

**Reclamation Funding: $100,000** **Total Project Cost: $215,797**

The Paloma Irrigation and Drainage District, located in southwestern Arizona, will install three new automated, supervisory control and data acquisition controlled turnout gates within the Gila Bend Main Canal. These solar-powered gates will be connected to an existing SCADA system and allow for constant monitoring and automatic adjustment of flow rates. The project will allow the district to address priorities identified in the district's Water Conservation Plan.

### Town of Taylor, Water Meter Replacement - Phase 2

**Reclamation Funding: $100,000** **Total Project Cost: $225,339**

The Town of Taylor, Arizona, will complete Phase Two of a system-wide water meter replacement program and conversion to radio-read documentation and billing. Additionally, Taylor will install water meters on the remaining 20 town-owned buildings, parks, and irrigation systems to allow them to accurately document the total amount of water being used to calculate total water loss. A system-wide water meter replacement program was identified as the town's top priority on its Capital Improvements Plan priority list.

# California

### Anderson-Cottonwood Irrigation District, Water Conservation and Efficiency Conversion to Pipeline Project

**Reclamation Funding: $100,000** **Total Project Cost: $223,913**

The Anderson-Cottonwood Irrigation District, located in northern California, will convert 2,000 linear feet of Lateral 3 and sub-lateral 3.6 from an open earthen canal to a buried polyvinyl chloride pipeline. The pipe installation will eliminate evaporation and seepage losses, reduce spills, and provide better water management and conservation. The project is also expected to result in reduced electricity costs due to pumping from the Sacramento River. The project addresses the goals and objectives of the Anderson-Cottonwood Irrigation district Main Canal Modernization Project to facilitate improved water management and efficiencies while reducing Main Canal seepage losses and tailwater spills.

### Bard Water District, Supervisory Control and Data Acquisition Installation Project

**Reclamation Funding: $100,000** **Total Project Cost: $227,225**

The Bard Water District, located in southeastern California, will automate ten existing gate structures by installing solar-powered supervisory control and data acquisition (SCADA) units on the Cocopah Canal. The automated gates will reduce operational losses during filling and delivery, minimize the risks of cross-contaminating irrigation water, and reduce the labor required for on-site monitoring during delivery. The project will help the district accomplish priorities identified in the district's Water Conversation, Drought Contingency Plan, and Capital Improvement Plans.

### Carmichael Water District, Turf Removal Incentive Program

**Reclamation Funding: $100,000** **Total Project Cost: $225,000**

The Carmichael Water District, located near Sacramento, California, will support outdoor water conservation by providing rebates to commercial customers to remove turf and replace it with water-efficient landscaping. Increased program capacity will incentivize additional landscape conversions and increase water use efficiency. The project supports the planning efforts of the 2018 American River Basin Integrated Regional Water Management Plan and meets the conservation and efficiency objectives of the district's 2020 Urban Water Management Plan.

### City of Anaheim, Central Anaheim Smart Irrigation Controller Project

**Reclamation Funding: $100,000** **Total Project Cost: $222,430**

The City of Anaheim, located in Orange County, California, will replace inefficient irrigation systems with weather-based irrigation controllers and sensors in 10 public parks in north-central Anaheim. The project will enable the City to reduce overwatering by utilizing local weather and

landscape conditions to customize water schedules to actual conditions on-site. The project meets the water efficiency enhancement recommendations made by the City of Anaheim 2020 Urban Water Management Plan and Water Reduction Plan I.

### City of Big Bear Lake, Pontell Hydropneumatic System Project
**Reclamation Funding: $100,000** **Total Project Cost: $225,000**

The City of Big Bear Lake, Department of Water and Power, located in Southern California, will construct a hydropneumatic system at the Pontell Booster Pump station. The system will include a pressurized tank, piping, and control system. The project will help the city improve the efficiency of the existing booster station by regulating system pressures and providing an efficient water supply to meet water system demands quickly. The 2021 Water Master Plan supports the project, and The Pontell Hydropneumatic System Project is specifically identified as a priority pumping facility improvement.

### City of Hemet, Landscape Irrigation Controller Rebate Program
**Reclamation Funding: $100,000** **Total Project Cost: $200,052**

The City of Hemet, located in Riverside County, California, will support outdoor water conservation by providing rebates to incentivize residential and commercial properties to install weather-based irrigation controllers. Approximately 30 percent of the city's potable water consumption is used to irrigate ornamental landscapes making this project a priority conservation strategy for the city. The rebate program is identified in the city's 2022 Water Conservation Plan and other measures captured in recent updates to the city code.

### City of Millbrae, Drought-Tolerant Landscaping
**Reclamation Funding: $100,000** **Total Project Cost: $229,586**

The City of Millbrae, in San Mateo County, California, will install drought-tolerant landscaping at the city's police department and fire station buildings. This project will include changing approximately 8,000 square feet of turf area into a drought-tolerant landscape and replacing the existing sprinkler head irrigation systems with a drip irrigation system with meters, reducing potable water use for irrigation purposes. The city's 2020 Adopted Urban Water Management Plan includes the city's water use projections incorporating the effect of conservation measures, including landscape water budgets, which align with the project objectives.

### City of Pleasanton, City of Pleasanton Eco-Friendly Lawn Conversion Rebate Project
**Reclamation Funding: $45,000** **Total Project Cost: $90,000**

The City of Pleasanton, located in Alameda County, California, will expand its efforts in the city's Eco-Friendly Lawn Conversion Rebate Program to reduce long-term potable water demands by offering rebates to water customers to convert their lawns to drought-tolerant landscaping.

Increased program capacity will incentivize additional landscape conversions and help improve the city's potable water supply reliability. The city's 2020 Urban Water Management Plan identifies lawn conversion as one of the city's measures to reduce long-term potable water demand.

### City of San Buenaventura, Expanding Turf Removal Rebate

**Reclamation Funding: $100,000** **Total Project Cost: $225,000**

The City of Buenaventura (Ventura), located northwest of Los Angeles, will provide additional turf replacement rebates to its residents and increase the amount offered from $2.00 per square foot to $2.50 per square foot. All of the city's water sources are under restrictions, increasing the need for the city to implement outdoor water conservation measures that will have short-term and long-term benefits. The project is supported by the City of Ventura's 2020 Urban Water Management Plan provides the framework to help guide Ventura's water supply management and conservation actions.

### Crescenta Valley Water District, Water Meter Enhancement Advanced Metering Infrastructure Project

**Reclamation Funding: $100,000** **Total Project Cost: $222,209**

Crescenta Valley Water District, located north of Los Angeles, will upgrade eighty-five water meters with advanced metering infrastructure capabilities located at commercial properties, manufacturers, and irrigation sites within CVWD service area. AMI infrastructure will allow customers to easily access their water use data and receive near real-time alerts enabling them to make informed water use decisions and take timely action to address leaks and unexpected consumption. The AMI Project aligns with best management practices for metering in association with water conservation and water management in the CVWD Urban Water Management Plan and is consistent with state and local water plans.

### Del Puerto Water District, Groundwater Well Remote Telemetry Program

**Reclamation Funding: $99,750** **Total Project Cost: $210,950**

Del Puerto Water District, located in central California, will install 45 flowmeters and data transmission equipment at existing groundwater wells within the district. This expands the district's existing SCADA network to include groundwater use and will allow the district to collect more complete data regarding water use and better manage the district's water supply. Once the project is complete, the district's customers will be better able to track their water supply and make informed decisions regarding when to use surface and groundwater to minimize drought-related impacts. The goals of the project support mitigation strategies for drought, climate change, over drafting, and subsidence in the district's 2019 Local Hazard Mitigation Plan.

### Desert Water Agency, Desert Water Agency Grass Removal Program
**Reclamation Funding: $100,000** **Total Project Cost: $201,000**

The Desert Water Agency, located in Palm Springs, California, will offer rebates to users replacing turf grass with low water use landscaping. The reduced water demand in the service area will address aquifer overdraft and increase the resilience of water supply. Water conservation is listed as a priority in the 2015 Desert Water Agency's Water Management Plan and the 2018 Coachella Valley Integrated Regional Water Management Plan.

### Georgetown Divide Public Utility District, Concrete Lining of Upper Canal Water Delivery System
**Reclamation Funding: $79,516** **Total Project Cost: $198,789**

The Georgetown Divide Public Utility District, located northeast of Sacramento, California, will concrete line 1,500 feet of unlined canal. This project allows the district to improve water efficiency by eliminating canal scouring, seepage loss, and vegetation growth in these upper sections of the canal, thus improving overall water supply reliability for its customers. The canal sections were identified in district's Capital Improvement Plan as areas with significant loss in need of lining to improve customer water supply reliability.

### Palmdale Water District, Water Use Efficiency Rebate Program
**Reclamation Funding: $100,000** **Total Project Cost: $225,000**

The Palmdale Water District, north of Los Angeles, will offer a variety of water-saving incentives, including incentives for installing high-efficiency toilets, high-efficiency clothes washers, turf replacement, and weather-based irrigation controllers. This incentive will help the district reduce indoor and outdoor water use through an expansive water-saving program. The need for this program is established in the district's Strategic Plan and 2020 Urban Water Management Plan.

### San Lorenzo Valley Water District, Water Meter Replacement Project
**Reclamation Funding: $100,000** **Total Project Cost: $224,481**

San Lorenzo Valley Water District, located in Santa Cruz County, California, will upgrade 522 meters with advanced metering infrastructure capabilities. AMI infrastructure will reduce water leakage, increase water conservation, improve operational efficiency, and increase energy efficiency. This project will help the district meet its demand management goals, as described in the district's Urban Water Management Plan and the Santa Margarita Groundwater Basin Groundwater Sustainability Plan, to increase water supply reliability and improve resiliency to drought.

### San Luis Water District, Relift Canal and Third Lift Canal Monitoring

**Reclamation Funding: $100,000** **Total Project Cost: $222,750**

The San Luis Water District, located in central California, will install water level monitoring instrumentation and programmable logic controllers, at two canal locations in their irrigation system. The upgrades in canal operational data will allow the district staff to closely monitor canal levels and adjust gate setting to eliminate spills at the end of the canal and respond to unexpected operational issues quickly. These sensors and controllers will further the district's progress towards the goal of canal automation identified in their 2020 Water Management Plan goal of automating canal structures.

### Shafter-Wasco Irrigation District, Energy Efficiency Improvement to Kimberlina Recharge Facility

**Reclamation Funding: $61,903** **Total Project Cost: $123,806**

The Shafter-Wasco Irrigation District, located in northwestern Kern County, California, will replace three motor starters with variable frequency drives on recovery wells in the district's Kimberlina Spreading Grounds facility. The variable frequency drives will improve water management of the system by providing the ability to adjust flow control with a range of volume recovered from the wells. This project will accomplish priorities identified in the 2019 Poso Creek Integrated Regional Water Management Plan Update, as well as priorities listed in the Shafter-Wasco Irrigation District's Sustainable Groundwater Management Act planning efforts.

### South Sutter Water District, Main Diversion Modernization Project

**Reclamation Funding: $100,000** **Total Project Cost: $241,436**

The South Sutter Water District, located north of Sacramento, California, will replace three existing diversion gates with new water control gates with integrated flow measurement. The district will also implement Supervisory Control and Data Acquisition to provide remote monitoring and control of the gates. The new gates will improve water management accuracy, reduce spillage, and enhance flow measurement capabilities. This project was developed in the district's 2020 Agricultural Water Management Pan and is established as a priority alongside other delivery system modernization efforts.

### South Tahoe Public Utility District, Washoan and Acoma Operational Efficiency Improvement Project

**Reclamation Funding: $100,000** **Total Project Cost: $225,000**

The South Tahoe Public Utility District, located in northern California, will install new pressure reducing valve stations and integrate them into the existing automatic supervisory control and data acquisition system. The project will enable more accurate pressure and flow readings for

an entire zone of water users, allowing for better water supply management, faster response to pressure issues, and reduced energy usage. The project is identified as a priority in the district's Capital Improvement Plan and addresses the goals of a district-wide water plan to improve the water delivery network and preserve groundwater resources to help with drought resiliency.

### Stockton-East Water District, Eight Mile Dam Automation Project

**Reclamation Funding: $100,000** **Total Project Cost: $200,000**

Stockton East Water District, located in California's Central Valley, will upgrade a control structure with a new supervisory control and data acquisition controlled gate. The project will provide the district with increased safety along the canal, reduce spillage and create valuable data for long-term drought planning. Automating and installing a metered gate will enhance the operation and management of the district's agricultural water delivery system. The task of automating distribution or drainage system structures is a best management practice prioritized in the district's Reclamation Water Management Plan.

### Turlock Irrigation District, Lateral 6 Water Control Structure Project

**Reclamation Funding: $57,753** **Total Project Cost: $115,505**

The Turlock Irrigation District, located in central California, will modify an existing water control structure on the Lateral 6 Canal and will install a new water control gate with flow measurement, motor control, and radio telecommunications. The new water control gate will modernize the current infrastructure, minimize water losses, improve operational efficiency, and increase water supply reliability. The project will accomplish priorities identified in the district's Agricultural Water Management Plan, which lists automation of canal control structures as the top priority to mitigate climate change impacts.

### Utica Water and Power Authority, Lower Utica Canal Lining and Gaging Stations Project

**Reclamation Funding: $83,030** **Total Project Cost: $171,301**

The Utica Water and Power Authority, located in Calaveras County, California, will line 1,800 feet of canal using reinforced concrete and add two gauging stations. The canal lining will reduce water loss due to seepage, vegetation penetration, and evaporation. The new gauging stations will help identify locations of water loss and improve system efficiency. This project is identified in Utica's 2020-2025 Capital Improvement Plan and its 2021 Local Hazard Mitigation Plan and has been identified as a priority by Utica's Board of Directors.

### Western Municipal Water District, Drought-Tolerant Landscape Transformation for March Field Air Museum Project

**Reclamation Funding: $100,000** **Total Project Cost: $225,000**

Western Municipal Water District, located in Riverside, California, will partner with the March Field Air Museum to replace approximately 20,000 square feet of turf landscaping with drought tolerant landscaping and an efficient irrigation system. The project will reduce overall water usage of imported water and improve Western's water supply efficiency and reliability. The project addresses Western's long-term goals of improving water efficiency in its landscaping, as established in Western's Water Efficiency Master Plan and Drought Contingency Plan.

### Westlands Water District, 7-1 Pumping Plant Metering Project

**Reclamation Funding: $100,000** **Total Project Cost: $208,000**

The Westlands Water District, located in the Central Valley of California, will construct two vaults and will install magnetic flow meters at the district's 7-1 Pumping Plant to prevent water loss due to flow measurement discrepancies from the head works and on-farm deliveries. The measurement devices will allow the district to perform more accurate calculations of losses, resulting in more water being allocated, and will provide useful data to support lining the inlet canal to prevent seepage loss. The project is associated with Westside Subbasin's Groundwater Sustainability Plan (GSP) management actions to allocate and manage groundwater extractions among water users to avoid undesirable results.

## Colorado

### Central Colorado Water Conservancy District, Northeast Colorado Augmentation Automation Efficiency Project

**Reclamation Funding: $100,000** **Total Project Cost: $223,525**

The Central Colorado Water Conservancy District, in Greeley, Colorado, will install 150 advanced monitoring equipment with supervisory control and data acquisition (SCADA) at irrigation wells within the South Platte Alluvial Aquifer. These flow data reporting units will give water resource and farm managers important water quantity measurements with incredible speed and accuracy. The meters will provide water managers with data to help reduce water consumption, optimize irrigation water applications, ensure water reporting accuracy, and meet regulatory allocations. This project supports the district's augmentation plans.

### City of Las Animas, Improving Water Efficiency Through Smart Water Meters

**Reclamation Funding: $99,990** **Total Project Cost: $224,580**

The City of Las Animas, located in southeastern Colorado, will upgrade 1,270 residential and commercial manually read water meters with new radio-read water meters. The new radio-read

water meters will improve the accuracy of water usage readings, reduce labor hours, and improve meter performance, efficiency, and sustainability. This project is a priority in the City's Preliminary Engineering Reports from 2007 and 2011 for the City's water system.

### Colorado Springs Utilities, High Efficiency Toilets for Affordable Housing
**Reclamation Funding: $100,000** **Total Project Cost: $224,767**

Colorado Springs Utilities, located in Colorado Springs, Colorado, will identify affordable housing properties with above-average water use and install 570 ultra-high efficiency toilets to replace the existing older, inefficient toilets. The project will benefit low-income customers by reducing their annual water costs and improving per capita multi-family water use. This project was established as a priority in the Colorado Water Conservation Board's 2022 Water Efficiency Plan and is part of an Affordable Housing Multi-Family Rehab Project.

### Dave Miller Mutual Ditch Company, Ditch Piping Project
**Reclamation Funding: $84,325** **Total Project Cost: $225,000**

The Dave Miller Mutual Ditch Company, located in Lyons, Colorado, will realign and pipe 5,000 feet of existing open ditch with plastic piping. The project will conserve water by reducing seepage and evaporation losses. Maximizing efficiency and minimizing losses will increase the irrigation season for irrigators dependent on this water supply. The project will accomplish priorities identified in the St. Vrain and Left Hand Water Conservancy District Stream Management Plan, which identifies the need for improved infrastructure efficiencies in the watershed.

### Dolores Water Conservation District, Full-Service Acres Meter Upgrades
**Reclamation Funding: $100,000** **Total Project Cost: $200,715**

Dolores Water Conservation District, located in southwestern Colorado, will improve the measurement accuracy and increase real-time water management of surface water deliveries by upgrading to electromagnetic meters for water measurement. Electromagnetic meters will improve the accuracy of the measurement of water deliveries, provide real-time water management capability, and reduce routine mechanical meter maintenance. Measuring water as accurately as possible is a priority consistent with and furthers the goals of the Dolores Project Drought Contingency Plan.

### Lincoln County, Improving Water Efficiency Through Smart Water Meters
**Reclamation Funding: $83,100** **Total Project Cost: $166,320**

Lincoln County, located in southeastern Colorado, will replace all of the City of Karval's manual read water meters with smart radio-read meters. The installation of 66 radio-read water meters will improve the accuracy of water usage reading, reduce labor hours, improve efficiency, and

help to identify leaks and pipe breaks more rapidly. This project is identified in an engineering report that evaluated the entire water system in the city.

### Purgatoire River Water Conservancy District, Water Control Gates for Water Efficiency
**Reclamation Funding: $62,400** **Total Project Cost: $124,800**

The Purgatoire River Water Conservancy District, located in southern Colorado, will replace three manually controlled headgates with new automated headgates within the Picketwire Ditch and John Flood Ditch. This project will increase water use efficiency by improving the timing of changes to river diversions, providing for more consistent diversion rates, and reducing the workforce to manually make these changes. The project is supported by the 2020 River Assessment Report, completed by the Purgatoire River Partnership through a WaterSMART Cooperative Watershed Management Program grant.

### Town of Larkspur, Improving Water Efficiency Through Smart Water Meters
**Reclamation Funding: $33,500** **Total Project Cost: $67,498**

The Town of Larkspur, in Douglas County, Colorado, will upgrade 120 water meters with radio read meters with advanced metering infrastructure (AMI) capabilities, reading equipment, software, and training. AMI infrastructure will allow for easier access to water use data and receive real-time alerts, enabling customers to make informed water use decisions and take timely action to address leaks and unexpected consumption while reducing labor hours and improving system efficiency. The updated meters will address recommendations included in an engineering report prepared for the Town to evaluate water supply reliability.

### Town of Starkville, Improving Water Efficiency Through Smart Water Meters
**Reclamation Funding: $99,990** **Total Project Cost: $218,615**

The Town of Starkville, located in southern Colorado, will replace 65 existing meters with new radio-read meters and the corresponding software for remote meter reading. The updated metering infrastructure in this disadvantaged community will help conserve water, reduce water losses, and provide more equitable water bills for the community. This project will assist the Town in steadily executing the water system improvement plan laid out in an engineering report prepared for the Town to evaluate water supply reliability.

# Idaho

### Boise Project Board of Control, Automation of Arena Canal and Arena Lake Drain
**Reclamation Funding: $43,790** **Total Project Cost: $87,580**

The Boise Project Board of Control (BPBC), in Boise, Idaho, will install and automate two gates at the Arena Canal and Arena Lake Drain and connect the two gates to a Supervisory Control And Data Acquisition (SCADA) system. The project will help the BPBC stabilize and keep the Arena Canal at a steady height; control flows and conserve water at the headworks of the Arena Lake Drain; improve the efficiency of use of the water in the irrigation system; and prevent loss from spills and overflows. The project is supported by BPBC's Water Conservation Plan goal to address the installation of appropriate water measurement devices to ensure water is not being lost to excess deliveries.

### City of Cascade, Real-Time Water Metering for Increased Efficiency
**Reclamation Funding: $100,000** **Total Project Cost: $251,335**

The City of Cascade, located in Valley County, Idaho, will replace the City's water meters with real-time water metering technology on all residential and commercial units within the city limits. This technology gives the City and its water users the ability to discover and address leaks immediately, track water use and significantly increase water use efficiency. This project is a top priority in the City's Water Conservation and Management Strategy.

### Farmers Friend Irrigation Company, Headgate Automation - Phase I
**Reclamation Funding: $31,500** **Total Project Cost: $63,595**

The Farmers Friend Irrigation Company, located in eastern Idaho, will install eight automated headgates and connect them to a Supervisory Control And Data Acquisition (SCADA) system. This system will provide the Company and water users with safer operations, water use efficiency, and operational improvements throughout the irrigation system. The water flow information from the SCADA system will allow irrigators to receive the correct amount requested. This project addresses the main objective of the Farmers Friend Irrigation Company Water Conservation and Management Plan, Headgate Automation.

### Fremont-Madison Irrigation District, Main Water Control Structures and Flow Measurement Station
**Reclamation Funding: $43,583** **Total Project Cost: $87,165**

The Fremont-Mason Irrigation District, located in eastern Idaho just west of the Teton Range, will install remote operating equipment on three main water control structures. This equipment will allow the district to access data and control the diversions remotely through their supervisory control and data acquisition system. This project includes coordination with three

canal companies that receive water from the district. Canal automation was identified as one of the most cost-effective means of conserving water in the 2015 Henrys Fork Basin Study, which was coordinated and completed with the help of several partners, including the Bureau of Reclamation.

### Idaho Irrigation District, Headgate Automation and Irrigation Flow Measurement Projects

**Reclamation Funding: $100,000** **Total Project Cost: $224,761**

The Idaho Irrigation District, located in southern Idaho, will automate four existing headgates and add five supervisory control and data acquisition (SCADA) measuring and logging stations. Automating the headgates will maintain a consistent flow through the main canals and the laterals and help control flooding issues at the end of the ditches. Installing additional measuring and logging stations will provide accurate measurements of the water flowing through the system and allow for better management. The project will address two objectives in the Idaho Irrigation District Water Conservation and Management Plan, including an increase in water conserved and the ability to analyze where water is flowing and needed most thought out the system.

### Island Ward Canal Company, Automated Headgate Installation Project

**Reclamation Funding: $23,890** **Total Project Cost: $47,781**

The Island Ward Canal Company, located between Idaho Falls and Rexburg, in partnership with the Fremont-Madison Irrigation District, will install a new headgate with automation and remote operation equipment. The project will help the company manage water more efficiently, bolster partnerships, and promote conservation within the service area. Canal automation was identified as one of the most cost-effective means of conserving water in the 2015 Henrys Fork Basin Study, which was coordinated and completed with the help of several partners, including the Bureau of Reclamation.

### Minidoka Irrigation District, Minidoka Irrigation District's Piping of Lateral 24

**Reclamation Funding: $71,971** **Total Project Cost: $143,943**

The Minidoka Irrigation District, located in Rupert, Idaho, will convert 1,420 feet of an earthen canal to buried pipe. Due to the nature of the surrounding soil types, significant amounts of sand blow into the lateral and significant water loss in the area. Converting the canal will conserve water and improve service reliability by allowing for better water control. This upgrade will implement a part of the district's Conservation plan to reduce our water use by heightened water conservation through improved or enhanced infrastructure.

### North Fremont Canal Systems Inc, Canal Lining Project
**Reclamation Funding: $51,500** **Total Project Cost: $51,500**

The North Fremont Canal System Inc. (NFCS), located in eastern Idaho, will line 2,400 feet of the Marysville canal lateral with a geomembrane in a section of the canal prone to excessive seepage and flood risk. Water conservation will help alleviate the strains on the droughtstricken watershed and basin, benefiting the junior water rights holders and the watershed's health. This type of project is identified as a priority in the Henrys Fork Basin Study 2015 and identified in the Henrys Fork Drought Management Plan of 2018.

### Parks and Lewisville Irrigation Company, SCADA Installation Project - Phase I
**Reclamation Funding: $100,000** **Total Project Cost: $200,000**

The Parks and Lewisville Irrigation Company, located in eastern Idaho, will install new solar powered supervisory control and data acquisition (SCADA) controlled headgates, overshot gates, and trash diverters at the end of the three main laterals of the Parks and Lewisville Canal. The automation improvements provide the ability to monitor and control the ends of the laterals and are important for efficiently managing the entire system. Monitoring and automation of water delivery accomplish a general goal in the Parks and Lewisville System Optimization Plan.

### Water District 63, Real-Time Monitoring Implementation Project
**Reclamation Funding: $74,185** **Total Project Cost: $148,371**

Water District 63, located in southern Idaho, will automate the current manual flow monitoring system on 64 diversion channels along the Boise River. The new system will provide real-time monitoring data via a web-based platform, increasing the frequency of data collection from weekly to hourly, improving data accuracy, and shortening Watermatsers' incident response time. This project is supported by the Idaho State Water Plan and directly aligns with the purpose of the plan to better conserve, manage, and use Idaho's water resources.

## Montana

### Pondera County Canal and Reservoir Company, Flowmeter Upgrades for Automation
**Reclamation Funding: $24,675** **Total Project Cost: $49,351**

The Pondera County Canal and Reservoir Company (PCCRC), located in western Montana, will upgrade 38 existing flow meters with digital registers for automated reading. The project will help minimize delivery inefficiencies and provide the PCCRC with more robust water management capabilities. The project accomplishes a goal of the PCCRC's Board of Directors Water Conservation Plan to increase water delivery efficiency, potentially reducing water users' current restrictions.



197

## North Dakota

### City of Watford City, Watford City Advanced Metering Infrastructure - Phase I

**Reclamation Funding: $100,000** **Total Project Cost: $224,837**

The City of Watford City, located in McKenzie County, North Dakota, will install a telemetry base station and add smart transmitters to 636 existing municipal water meters. The project will provide more accurate data to the City, helping to control water loss, identify and respond to water leaks and water usage spikes more efficiently, and provide customers access to real-time water usage data through an online portal. The City's priority is to improve the water meter network and reading processes as outlined in the Watford City 2040 Infrastructure Master Plan.

## New Mexico

### Elephant Butte Irrigation District, Leasburg Canal Gate Actuators and Metering Station

**Reclamation Funding: $94,710** **Total Project Cost: $214,051**

The Elephant Butte Irrigation District, located in the Mesilla and Rincon Valleys, will install two electric motor actuators to an existing check structure and construct a new metering station in the Leasburg Main Canal. The automated metering station improvements will allow the district to better control diversion flow rates, upstream water pressure, and downstream flow. The project will accomplish priorities identified in the Lower Rio Grande Regional Water Plan and 2017 Regional Water Plan as a Strategy to Preserve Agriculture to maximize the benefit of the Rio Grande Project surface water.

## Nevada

### Moapa Valley Water District, Water Meter and Data Collection System Upgrade

**Reclamation Funding: $100,000** **Total Project Cost: $213,350**

The Moapa Valley Water District, located northeast of Las Vegas, Nevada, will upgrade 400 domestic meters with new meters coupled with cellular endpoints for improved data analytics and water management. The project will increase efficiency in district's distribution system and help achieve quality drinking water for its users through efficient management and conservation. This project meets the goals of the Water Conservation Plan and the district's Capital Improvement Plan. Both plans emphasize the need to maintain the distribution system and manage the water recourses through conservation.

### Southern Nevada Water Authority, Water Efficient Technologies Program Cooling System Upgrade Incentives

**Reclamation Funding: $95,000** **Total Project Cost: $206,000**

Southern Nevada Water Authority (SNWA), located in Las Vegas, Nevada, will provide incentives to consumers through their existing water rebate program, Water Efficient Technologies Program, to upgrade commercial cooling systems in the City of Henderson. Leveraging alternative cooling technologies to upgrade commercial cooling systems improves water use efficiency and provides water savings for the Colorado River System. Implementing cooling efficiency standards is a focus area of the SNWA 2021 Water Resource Plan and supports the 2019 Southern Nevada Water Authority Joint Conservation Plan.

### Truckee-Carson Irrigation District, Upgrade to Satellite Relay for Near Real-Time Data Acquisition

**Reclamation Funding: $100,000** **Total Project Cost: $220,717**

The Truckee-Carson Irrigation District, located in Fallon, Nevada, will install solar-powered data loggers and transmitters at 31 existing metering locations. The new equipment will enable the district to manage water delivered more efficiently and use real-time data to prevent spills, theft, or over-delivery to downstream users. The project supports the district's Five-Year Strategic Plan, which identifies measurement, accounting, and reporting as a way to increase operational efficiencies.

### Virgin Valley Water District, Water Meter and Data Collection Upgrade

**Reclamation Funding: $100,000** **Total Project Cost: $224,890**

Virgin Valley Water District, located in Clark County, Nevada, will upgrade 500 domestic water meters with advanced metering infrastructure (AMI) capabilities. The new meters will help the district improve water management by providing consumers with near real-time alerts, which can be used to address leaks and unexpected consumption. The project implements water conservation tools identified in the district's 2007 Water Conservation Plan.

## Oklahoma

### Corral Kreek Water District, Advance Metering Infrastructure Project

**Reclamation Funding: $34,340** **Total Project Cost: $69,400**

The Corral Kreek Water District, located in Northeast Oklahoma, will upgrade its water distribution metering to Advanced Metering Infrastructure (AMI) by purchasing and installing 98 Advanced Meter Readers and associated hardware and software. This AMI information will inform the district about water loss within the distribution system and increase water use



129

efficiency and customer awareness. This project also works toward meeting the goals of the Oklahoma Comprehensive Water Plan as set forth by the Oklahoma Water Resources Board.

### Town of Calera, Updating Analog Water Meters with Efficient Smart Meters

**Reclamation Funding: $85,149** **Total Project Cost: $193,163**

The Town of Calera, located in Bryan County, Oklahoma, will upgrade 673 water meters with advanced metering infrastructure (AMI) capabilities. The installation of the new smart meters will allow critical operational control of the Town's water supply infrastructure and a more accurate estimate of water demands. The project supports the Town's planning efforts to upgrade the water system to be more efficient.

### West Siloam Springs, Water Distribution System Advanced Metering Infrastructure Project

**Reclamation Funding: $99,000** **Total Project Cost: $201,600**

The Town of West Siloam Springs, located in northeast Oklahoma, will purchase and install 455 Advanced Meter Readers and associated hardware and software to upgrade its current customer metering to an Advanced Metering Infrastructure. The upgraded metering infrastructure will conserve water, provide quicker detection of leaks, and reduce the resources needed to read the current meters manually. The project addresses the goals and objectives identified in the City's Capital Improvement Plan and the State of Oklahoma's Water Conservation plan.

## Oregon

### Arnold Irrigation District, River Diversion Gate Automation and Flow Measurement

**Reclamation Funding: $28,668** **Total Project Cost: $60,835**

The Arnold Irrigation District, located in Bend, Oregon, will modernize the Deschutes River main headgate to automate the existing radial gate to improve diversion flow measurement with a new supervisory control and data acquisition (SCADA) system. This project will allow the district to better manage and measure a highly fluctuating river flow that requires daily adjustments. The project addresses the goals and objectives identified in the district's 2022 Water Management and Conservation Plan and supports the U.S. Fish and Wildlife Service's Habitat Conservation Plan for Oregon Spotted Frog.

### Van Brimmer Ditch Company, Van Brimmer Falvey Road Piping Project

**Reclamation Funding: $100,000** **Total Project Cost: $221,414**

The Van Brimmer Ditch Company, located in Klamath County, Oregon, will convert 1,000 feet of an open canal to 60-inch high-density polyethylene (HDPE) pipe. The project will benefit VBDC's water supply by eliminating the subterranean seepage, water lost in charging the ditch, and

evapotranspiration making more of its water available in the lower end of its system. Agricultural water conservation, including canal lining and piping projects, supports the water conservation goals of the Klamath Basin Study completed by Reclamation in partnership with the Oregon Water Resources Department and the California Department of Water Resources.

### West Extension Irrigation District, Canal Automation and Monitoring Project
**Reclamation Funding: $70,000** **Total Project Cost: $144,104**

The West Extension Irrigation District, located in northeastern Oregon, will install three automatic supervisory control and data acquisition (SCADA) controlled gates within its Relocation Canal. The solar-powered gates will provide continual monitoring capabilities and automatic adjustment of flow rates to decrease daily water consumption. The project supports the goals of system automation as identified in the district's 2011 Water Management and Conservation Plan.

## South Dakota

### Belle Fourche Irrigation District, Sorenson 1.9 Lateral Buried Pipeline Project
**Reclamation Funding: $99,452** **Total Project Cost: $199,438**

The Belle Fourche Irrigation District, located in Butte County, South Dakota, will convert 3,600 feet of the unlined Sorenson 1.9 canal lateral into buried polyvinyl chloride pipeline (PVC). The project will provide a more efficient and reliable water delivery system and lessen the operating burden on the district. The project is part of the district's ongoing practice of upgrading and improving water storage.

## Texas

### City of Edinburg, Water Accountability Through Efficient Response Project
**Reclamation Funding: $100,000** **Total Project Cost: $200,000**

The City of Edinburg, located in Hidalgo County, Texas, will replace 500 residential water meters with smart meters. The smart meters will decrease the amount of daily water used and prevent water loss. The City will be able to better manage and track water usage, conserve water efficiently, optimize staff time, and positively impact the surrounding environment, including the Rio Grande River Basin. The project supports City's 2021 Five-Year Capital Improvement Program by furthering conservation efforts and infrastructure improvements.

### City of Universal City, Water Meters for More Accurate Real-Time Water Usage Data Collection

**Reclamation Funding: $100,000** **Total Project Cost: $218,747**

The City of Universal City, located near San Antonio, Texas, will upgrade 658 residential and commercial water meters with Advanced Metering Infrastructure (AMI) capabilities. AMI infrastructure will provide consumers with near real-time alerts, allowing them to address leaks and unexpected consumption. The project supports the City's Water Conservation Plan and larger regional conservation and mitigation strategies laid out in the Edwards Aquifer Authority Groundwater Conservation Plan.

### Edwards Aquifer Authority, Municipal and Industrial Meter Upgrades for Automation

**Reclamation Funding: $31,856** **Total Project Cost: $63,712**

Edwards Aquifer Authority, located in southcentral Texas, will upgrade 21 municipal and industrial manual read flowmeters with digital registers and the capacity to communicate with the district's existing supervisory control and data acquisition system. The meters will provide operational advantages to the district and improve data collected for water management. By automating the meter reading program, water permit holders will improve accuracy and real-time understanding of their water usage and help the district comply with water use regulations. The project satisfies a general goal of the district's Best Management Practices requiring water meters to be placed and read on municipal and industrial users.

### El Paso County Water Improvement District No. 1, Montoya Laterals System Concrete Lining Project: Phase III

**Reclamation Funding: $100,000** **Total Project Cost: $216,386**

The El Paso County Water Improvement District No. 1, located in El Paso County, Texas, will line 3,465 linear feet of the earthen Montoya Main Lateral using reinforced shotcrete. The upgrade will reduce water loss in the canal due to evaporation and seepage. The lining will also reduce sediment loading in the canal, improving the water delivered to irrigation customers. The Project is included in the 2017 Texas State Water Plan and received substantial support from stakeholders, including the City of El Paso and local organizations.

### Harlingen Irrigation District Cameron County No.1, Adams Gardens Reservoir Improvements - Phase 2

**Reclamation Funding: $100,000** **Total Project Cost: $219,733**

The Harlingen Irrigation District Cameron County No. 1, located in Cameron County, Texas, will upgrade the canal flow measurement instrumentation at the Adams Gardens River Pump Station with an acoustic doppler flowmeter and supervisory control and data acquisition controls. The improvements will allow the district to operate the Adams Gardens Main Canal at a higher level,

add storage and system capacity, and improve the system efficiency. The project is consistent with the 2021 Rio Grande Regional Water Plan, recognizing reservoir expansions, metering, and SCADA projects as proven water conservation practices.

### Town of Van Horn, Water Meters and Automation for Increased System-Wide Water Use Efficiency

**Reclamation Funding: $94,346** **Total Project Cost: $188,691**

The Town of Van Horn, located in Culberson County, Texas, will install 159 municipal water meters with advanced metering infrastructure (AMI) capabilities. The upgraded meters will provide improved system-wide data, allowing the Town to identify, locate, and address irregular water consumption and detect leaks faster. The project has been included as a recommended water management strategy in the Far West Texas Water Planning Group's 2025 Region E Far West Texas Water Plan.

## Utah

### Bear River Canal Company, Automated Diversion Gate System

**Reclamation Funding: $100,000** **Total Project Cost: $220,930**

The Bear River Canal Company (BRCC), located in northern Utah, will install automated control gates and control communications at three diversion sites within its water delivery system. The automated gates will allow BRCC to leverage science and technology to improve water supply reliability and increase efficiency levels throughout their canal system. This project will complement other automation improvements as identified and prioritized in the BRCC 2019 Water Conservation and Management Plan.

### Draper Irrigation Co. (WaterPro), Culinary Smart-Metering Project

**Reclamation Funding: $100,000** **Total Project Cost: $219,059**

The Draper Irrigation Company, just south of Salt Lake City, Utah, will upgrade 566 culinary water meters to ultrasonic smart meters with cellular data transmission to improve reliability, accuracy, and efficiency in metering culinary service laterals. The installation will curb water loss by providing more accurate water data, which will help reduce high water usage and promote water conservation. The Company's Water Conservation Master Plan, updated in 2020, supports the implementation of meter upgrade projects.

### Emigration Improvement District, Residential Water Meter Upgrade

**Reclamation Funding: $70,000** **Total Project Cost: $145,000**

Emigration Improvement District, located in Salt Lake City, Utah, will upgrade 220 residential water meters with ultrasonic meters with remote read technology in the Emigration Canyon,

where ice and snow prevent meter readings. The new meters will provide the district and its consumers with near real-time data, including temperature and water pressure monitoring yearround, reducing undetected leaks during winter months. The Emigration Improvement district Water Management and Conservation Plan include specific goals to protect water resources in the canyon where the meters are installed.

### Haights Creek Irrigation Company, Haights Creek Irrigation Company Piping Project - Phase 8

**Reclamation Funding: $100,000** **Total Project Cost: $209,426**

Haights Creek Irrigation Company, located in Kaysville City, Utah, will upgrade 1,020-feet residential transit distribution lines and service lines in an area identified as the Phase 8 location with new polyvinyl chloride distribution lines and high-density polyethylene pipe. In addition, the Company will install flow meters on each new residential service line. The project will reduce water loss by upgrading the existing lines and improving water use monitoring and leak detection. The project is the eighth phase of an activity listed as the top priority in Haights Creek's 2016 Water Conservation Management Plan.

### Hyde Park City, Hyde Park City

**Reclamation Funding: $100,000** **Total Project Cost: $224,853**

Hyde Park City, located in Cache County, Utah, will upgrade 562 water meters in their domestic water distribution system with new meters coupled with cellular endpoints for improved data analytics and water management. The project will help the City increase efficiency in the distribution system by improving leak detection and water conservation efforts. Hyde Park City's Water Conservation Plan supports this project with the goal of continuing to exercise measures to ensure that water use is carefully monitored and appropriately used.

### Washington County Water Conservancy District, Installing Smart Water Meters - Phase 2

**Reclamation Funding: $100,000** **Total Project Cost: $223,353**

The Washington County Water Conservancy District, located in southwest Utah, will install water meters with advanced metering infrastructure (AMI) capacities for the end users of Ivins Irrigation Company at previously unmetered connections. This phase of the project will help residential users understand irrigation needs to manage water resource better. The project supports both the Washington County Water Conservancy district's Water Conservation Plan and the Ivins City's Water Conservation Plan to promote the use of new conservation techniques and the conservation of secondary water systems for irrigation purposes.

### Washington Terrace City, Automatic Metering Infrastructure Installation Project
**Reclamation Funding: $100,000** **Total Project Cost: $241,440**

Washington Terrace City, located in Weber County, Utah, will upgrade 1500 residential and commercial water meters by installing advanced metering infrastructure (AMI) to collect water flow data and transmit it to the City analytics software system. The project will better manage the City's water supplies, promote conservation among its residential, commercial, and industrial customers, and automate its meter readings. The project supports Washington Terrace City in accomplishing specific goals and priorities outlined in the Washington Terrace City Water Conservation Plan for water conservation.

### Wilson Irrigation Company, Canal System Automation Project - Phase 1
**Reclamation Funding: $99,597** **Total Project Cost: $199,194**

Wilson Irrigation Company, located in northern Utah, will install electric actuators on three gates, level monitoring sites, and implement a supervisory control and data acquisition (SCADA) system for operation. The improvement of delivery technology will help the Company better manage its water supply, conserve water, make more efficient use of limited water supplies and improve relations between Company officers, watermaster, and stakeholders. The project is the highest priority in Wilson Irrigation Company's 2020 Water Conservation and Management Plan.

## Washington

### Chelan County, Yaksum Water Company Pipeline Replacement Project
**Reclamation Funding: $87,007** **Total Project Cost: $174,013**

The Chelan County Natural Resource Department, located in Wenatchee, Washington, will upgrade 3,500 feet of their distribution system to a buried 12-inch PVC pipeline. The project will provide a more efficient and reliable water delivery system by reducing seepage and allowing the County to deliver full shares of water to its customers. The project's goals of water conservation and increased instream flows are both listed as priority actions in the Wenatchee Watershed Management Plan and the Icicle Strategy.

### City of Walla Walla, Municipal Master Smart Metering Project of Water System Districts/Zones
**Reclamation Funding: $100,000** **Total Project Cost: $237,000**

The City of Walla Walla, located in southeastern Washington, will install eight master water meters dividing the city water system into four distinct district meter areas. The meters will allow for real-time flow monitoring that detects leaks within the distribution system, allowing the city to gather actionable data. This project supports the Walla Walla Water 2050 Plan that



135

integrates goals and solutions from the basin's diverse stakeholders in both Washington and Oregon to achieve a holistic and viable long-term plan for water use.

### Columbia Irrigation District, Canal #2 MidCanal Automated Check Structure

**Reclamation Funding: $75,000** **Total Project Cost: $160,913**

The Columbia Irrigation District, located in Kennewick, Washington, will install four automated integrated flow measurement gates on Canal #2 and integrate them into the district's existing supervisory control and data acquisition (SCADA) system. Automating the canals will lead to greater safety, water savings, and improved service. The project addresses the district's main priority identified in the Comprehensive Water Conservation Plan of canal automation.

### Quincy Columbia Basin Irrigation District, Automation of W38 Lateral Turnout of the West Canal

**Reclamation Funding: $30,758** **Total Project Cost: $61,516**

The Quincy-Columbia Basin Irrigation district, located in central Washington, will install an automated and integrated flow measurement control gate at the headgate of the W38 lateral on the West Canal. This improved flow management will benefit the district and water users with more reliable water deliveries to farms, reductions in the use of aquatic weed chemicals and their spill to natural waterbodies, and operational cost savings by eliminating the need for manual adjustments. The project addresses the goals and objectives identified in the district's 2010 Columbia Basin Project Coordinated Conservation Plan.

VIII.C.3.

| DEL PUERTO WATER DISTRICT<br>STAFF REPORT | DATE OF MEETING:<br>January 18, 2023 |
|---|---|

January 13, 2023

**TO:** Board of Directors

**FROM:** Adam Scheuber, Deputy General Manager - Water Resources

**SUBJECT:** Groundwater Well Telemetry Grant Award

**DESCRIPTION:**
In April 2022 the District applied for a WaterSMART Small Scale Water Efficiency Grant to install up to 45 flowmeters and telemetry systems on groundwater wells throughout the District. On January 5, 2023 the Bureau of Reclamation put out a press release listing the District grant application as one of the selected projects for funding.

**FUNDING:**
Project received a $99,750 50% match WaterSMART Grant.

**UPDATE:**
The Del Puerto Water District Groundwater Well Remote Telemetry Program was selected for a WaterSMART Grant with the following goals:

"Del Puerto Water District, located in central California, will install 45 flowmeters and data transmission equipment at existing groundwater wells within the district. This expands the district's existing SCADA network to include groundwater use and will allow the district to collect more complete data regarding water use and better manage the district's water supply. Once the project is complete, the district's customers will be better able to track their water supply and make informed decisions regarding when to use surface and groundwater to minimize drought-related impacts. The goals of the project support mitigation strategies for drought, climate change, over drafting, and subsidence in the district's 2019 Local Hazard Mitigation Plan."

The Board needs to determine how to best distribute this grant. The most reasonable options would be to either solicit the funding out to all customers and meters will be provided and installed on a first-come first-served basis, or have District staff select which high priority wells are the most important to be able to track remotely.

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