Wyoming Water Development Commission Meeting
Capitol Extension Auditorium
October 8, 2021

To view the meeting, please use the streaming link available on our website at: http://wwdc.state.wy.us/. Please also check for any updates to the Agenda and E-Notebook.

Friday, October 8, 2021 8:30 a.m. Meeting Agenda:

1. **Pledge of Allegiance**

2. **Roll Call**

3. **Approval of Minutes (A)**
   - August 11, 2021 Workshop
   - August 13, 2021 Joint Meeting

4. **2022 Planning Projects Consultant Selection Approval (B)** (Action Item)

   Account I - New Development
   - Clarks Fork/Upper Shoshone Watershed Study, Level I
   - Dayton Water Master Plan, Level I
   - Riverton Regional Water Master Plan, Level I
   - LaGrange Groundwater Supply & Improvements, Level II
   - Pavillion Groundwater Supply, Level II

   Account II - Rehabilitation
   - West Afton/Nield String Master Plan, Level I
   - Dowlin Diversion Rehabilitation, Level II

5. **Planning Closeout Memos** (Action Item)
   - Bridger Valley Regional Water Master Plan, Level I **(C)**
   - Happy Valley Water Supply, Level II **(D)**
   - Highland Hanover ID Pump Station, Level II **(E)**
   - Meeks Cabin Dam Enlargement, Level II, Phase II **(F)**
   - Owl Creek Irrigation District Lucerne Master Plan, Level I **(G)**
   - Pavillion Water Master Plan, Level I **(H)**
   - Shoshoni Water Master Plan, Level I **(I)**
   - Skyline ISD Water Supply, Level II **(J)**
   - Stateline Dam Enlargement, Level II, Phase II **(K)**
   - Upper Wind River Instream Flows 2019, Level I **(L)**

6. **Groundwater Exploration Grant Amendment** (Action Item)
    - Melody Ranch Improvement and Service District – Time Extension **(M)**

7. **Construction Progress Reports**
    - Account I **(Mc)**
        - Cowley Tank 2017
        - Wheatland Wells 2017
        - Douglas Box Elder Spring
        - Casper Zone II 2015
    - Account II **(N)**
        - Bluff/Upper Bluff System Improvements 2019
        - Casper Alcova Underdrain 2016
        - Midvale Irrigation District Rehabilitation 2018
        - Heart Mountain ID Rattlesnake Liner
        - Casper CY Booster Station Replacement 2017
        - Eden Valley Farson

8. **Discussion**
    - Director Updates
    - Critical Aging Infrastructure Project

9. **Future Meetings Schedule**
    - November Meeting - Casper
    - 2022 Meeting Schedule **(O)**

WYOMING WATER DEVELOPMENT COMMISSION
COMMISSIONERS

Clinton W. Glick, Chairman	Wind River Indian Reservation
Bill Yankee, Vice-Chairman	Water Division III
Ron Kailey, Secretary	Water Division I
Liisa Anselmi-Dalton	Member-at-Large
Robert Choma	Water Division IV
Leonard A. “Lee” Craig	Water Division III
Mark Kot	Water Division IV
John Lawson	Water Division I
Sheridan Little	Water Division II
Larry Suchor	Water Division II

STAFF

Brandon Gebhart	Director
David Ray	Administrative/Fiscal Manager
Janet Belmonte	Accountant
Nancy Casner	Office Support Specialist
Riley Taylor	Business Office Coordinator
Barry Lawrence	Deputy Director – Planning
Keith Clarey	Project Manager
Julie Gondzar	Project Manager
Mabel Jones	Project Manager
George Moser	Project Manager
Jodie Pavlica	Project Manager
Mike Robertson	Project Manager
Chace Tavelli	Project Manager
Jason Mead	Deputy Director – Dams & Reservoirs
Andrew Linch	Project Manager
Brian Smith	High Savery Dam Technician
Bill Brewer	Deputy Director – Construction
Vacant	Project Manager
Sol Brich	Project Manager
Jason Fernandez	Project Manager
Wade Verplancke	Project Manager

ADVISORS

Darren Cook	Attorney General’s Office
Greg Lanning	State Engineer
Greg Kerr	University of Wyoming
Josh Dorrell	Wyoming Business Council

Updated September 30, 2021

Wyoming Water Development Commission
Workshop
Douglas, Wyoming
August 11, 2021

1. Chairman Clinton W. Glick called the meeting to order at 1:30 p.m.

2. **Announcements**
   Director Brandon Gebhart introduced the newly appointed Commissioner, John Lawson representing Water Division I. He also introduced Bill Brewer, former Project Manager, as the new Deputy Director of Construction.

3. **Roll Call** – Secretary Ron Kailey led roll call of the Commission.

   Commission Attendance:
   Liisa Anselmi-Dalton
   Robert Choma – Excused
   Leonard A. "Lee" Craig
   Clinton W. Glick
   Ron Kailey, Jr.
   Mark Kot
   John Lawson
   Sheridan Little
   Larry Suchor
   Bill Yankee

   Advisor Attendance:
   Darren Cook, Attorney General's Office
   Greg Kerr, University of Wyoming

4. **Financial Overview**
   Fiscal Manager David Ray provided a financial overview of the Water Development Program. He reviewed the balances available for appropriation in Water Development Accounts I, II, and III. He charted these along with balances from the past ten years. The trendlines indicate that the balance available for appropriation in Account II is relatively stable, whereas Account I has a downward trend.

   Ray also reviewed the ten-year projections for each of the reservoir operations and maintenance (O&M) accounts. He announced that no requests for transfers are recommended at this time. There could have been a need to transfer funds from the Buffalo Bill Account to the Miscellaneous Water Investment Account for the annual O&M payment to the Cheyenne Board of Public Utilities for storage in Seminoe Reservoir, but this is no longer necessary now that the Commission has received legislative approval to terminate that contract.

Director Gebhart recommended that the Commission move to terminate the contract with the Cheyenne Board of Public Utilities at the meeting on the basis that water had not been sold out of the Seminoe Reservoir Account in ten years, and authorize the Director to enter into such agreement once one has been drafted by the attorneys.

Ray completed his overview by drawing attention to a new lease agreement with the Idaho Groundwater Appropriators that may lead to additional revenue in the Palisades Reservoir Account.

5. Planning Projects Consultant Selection Process Update

Deputy Director Barry Lawrence provided an update on the 2022 consultant selection process. The deadline to submit statements of interest, statements of qualification, and residency firm certification forms has passed, and shortlisted firms have been invited to submit proposals. Proposals are due Wednesday, August 25 and will be distributed immediately to the selection teams for consideration. Proposal rankings are due back from the selection teams by Monday, September 20. Interviews will be held Thursday, October 7.

After reviewing the summary sheet of submittals received by the Office, Senator Hicks suggested that the decline in interest from consultants could be the result of the new requirement for in-state contracting. Lawrence confirmed that he had witnessed a posturing of firms, with more out-of-state firms acting as subs to in-state primes. Commissioner Suchor expressed concern over the lack of interest resulting from the in-state requirement change. Representative Evan Simpson similarly expressed concern over how few projects there were this year to begin with.

6. Tentative Contingency Account Requests

- *Middle Piney Dam Reconstruction Project*

  Director Gebhart provided background information on the Middle Piney Dam Reconstruction Project. He explained that the current request was a request by the Office to allocate funds from the Account III Contingency Fund to address the list of potential change orders and project amendments anticipated at this time to complete the Project.

  Director Gebhart presented two options. The first option was to approve $2,725,000 from the Contingency Fund to address the list of potential change orders and project amendments. The second option was to approve a lesser amount to address the list of potential change orders and project amendments anticipated in 2021, then reassess Final Grouting Work funding (in the anticipated amount of $1,700,000) at a later date. The second option would not eliminate the need for later funding.

Deputy Director Jason Mead commented on the known uncertainties going into this Project, noting that information extracted from the Level II study could not have predicted all the work that would be necessary for completion. The remote location of the site poses an additional challenge as there is no access during winter and there must be reliable communication, adding to the need for additional contingency funds.

7. **Operating Criteria**

Director Gebhart proposed adding a tiered reimbursement fee for Level I and Level II planning studies that new Sponsors will be charged on top of the existing $1,000 application fee as discussed in previous meetings. He also proposed adding a requirement for new Sponsors to be "in compliance with all applicable reporting requirements with the Wyoming Department of Audit and Wyoming Department of Revenue prior to being considered."

Director Gebhart asked the Commission to consider waiving the public comment period due to the nature of these changes. He questioned whether or not public comments would change the preferred action of the Commission because they were requests of the Legislature.

Senator Hicks expressed concern over prohibiting a Sponsor from applying if they were under an audit. Director Gebhart agreed to change the language to read that the Sponsor must be in good standing prior to receiving funding, not prior to being considered.

8. **2021 Irrigation District System Survey Results**

Project Manager Mike Robertson explained the history and methodology of the Irrigation District System Survey. Of the 157 entities contacted, 78 provided responses. The top challenges reported by the respondents included aging infrastructure and subdivision/urban encroachment. Medium-sized entities reported the highest percentage of conveyances in poor condition. Regarding planned projects, there is an estimated total of $132,840,325 in the next five years and $173,045,983 in the next twenty.

9. **Small Water Project Program Guidance Document**

Project Manager Jodie Pavlica reviewed the new Small Water Project Program Guidance Document. The document details program eligibility, eligible projects, project evaluation, project development and construction, and payments and funding.

Senator Hicks proposed adding language to the "Key Dates for Payment" section to clarify that projects not deemed a public work are exempt from the 41-day advertising period.

This document will be finalized and posted online as a resource for Sponsors.

10. Project Updates

Deputy Director Jason Mead provided an update on the West Fork Reservoir 3rd Party NEPA Contractor selection process. He briefly explained the Project's history and current funding sources. Representatives from those funding sources will serve on the selection team. Mead announced that three firms have been shortlisted and invited to submit proposals. Proposals will be due in September. Interviews will take place in October. A contract should be presented to the Commission in November.

11. LaPrele Tour Itinerary

The tour will begin at the Converse County Library with presentations from Goshen Irrigation District, and on the LaPrele Project, RESPEC and Colt Rodeman, Manager of LaPrele Irrigation District. Participants will then be shuttled from Ayres Natural Bridge Park to the LaPrele Dam site. The tour will conclude with a barbecue at the park.

12. Adjourn

Respectfully submitted,

Ron Kailey, Jr., Secretary

Wyoming Water Development Commission/Select Water Committee
Joint Meeting
Douglas, Wyoming
August 13, 2021

1. Chairman Clinton W. Glick called the meeting to order at 8:30 a.m.

2. The pledge of allegiance was recited.

3. **Recognition of Members Present to Establish Quorum** – Secretary Ron Kailey and LSO Research/Evaluation Administrator Abigail Boudewyns.

Commission Attendance:
Clinton W. Glick, Chairman
Bill Yankee, Vice-Chairman
Ron Kailey, Jr., Secretary
Liisa Anselmi-Dalton
Robert Choma – Excused
Leonard A. "Lee" Craig
Mark Kot
Sheridan Little
Larry Suchor

Select Water Attendance:
Sen. Larry Hicks, Vice-Chairman
Sen. Brian Boner – Excused
Sen. Ogden Driskill – Excused
Sen. Tim French
Sen. Mike Gierau – Excused
Sen. Cheri Steinmetz
Rep. Evan Simpson, Chairman
Rep. Chad Banks
Rep. John Eklund
Rep. Dan Laursen
Rep. Chip Neiman
Rep. Jerry Paxton

Advisor Attendance:
Darren Cook, Attorney General's Office
Greg Kerr, University of Wyoming
Greg Lanning, State Engineer's Office

4. **Approval of Minutes**
Commissioner Larry Suchor made a motion to approve the minutes of the May 12, 2021 Special Meeting and May 13, 2021 Joint Meeting. Commissioner Ron Kailey seconded the motion; motion carried unanimously.

5. **Planning Closeout Memo**
   - *Cheyenne Municipal Storage, Level II, Phase I*
     Project Manager Andrew Linch provided an overview of the Cheyenne Municipal Storage, Level II, Phase I Study. Demand projections revealed that an additional 3,000-10,000 acre-feet will be needed within the next 50 years. If implemented, the results from this study would satisfy the low-growth projection for the City of Cheyenne.

Representative John Eklund inquired about Belvoir Ranch, originally purchased by the City of Cheyenne for its water. He was curious if the water available on that Ranch could be developed and used to satisfy Cheyenne's growing demand. He asked Linch to look into the matter.

Commissioner Liisa Anselmi-Dalton moved acceptance of the Cheyenne Municipal Storage project report as being complete and further, made the following findings relative to this project:

1. That the Commission recommend proceeding to Level III of project development upon submittal of an appropriate funding application by the Sponsor.
2. Based on the findings in the final report, the project is determined to be in the public interest.
3. The project functions and services cannot realistically be provided by any person, association or corporation engaged in private enterprise.

Commissioner Bill Yankee seconded the motion; motion carried unanimously.

6. Groundwater Exploration Grant Contract Amendment

- *Jackson Zone 3 Well Groundwater Grant Project (2020)*

Director Brandon Gebhart explained the request made by the Town of Jackson for an additional $173,250 in funding to cover unanticipated aquifer testing water disposal costs, changing the total contract cost from $101,250 to $274,500.

Floren Poliseo, Town of Jackson Public Works Department, confirmed that the test water would need to be discharged further away from the site than originally anticipated, requiring additional piping. She also mentioned that the original estimate of $135,000 was determined prior to COVID, and that project costs have since increased.

Project Manager Keith Clarey added that increased drilling and local construction costs need to be accounted for in addition to disposal of the test water.

Project Engineer Philip Gyr also commented that the site's location in a city park is going to disturb landscaping and irrigation, again adding to project costs, in addition to the extra quarter-mile of piping that will need to cross two roads in order to remove the test water.

Senator Hicks questioned if alternatives to piping had been considered, and if so, had a cost analysis been run on those alternatives. Poliseo responded that they had considered discharging to a nearby sewer, but that It was not feasible. The selected

irrigation ditch is the nearest ditch that could handle the anticipated volume of discharge, and the ditch company has agreed to the arrangement.

Gyr also responded that seepage into an infiltration basin had also been considered, but that the cost of carrying out the irrigation and building an infiltration pond with a dam and embankment, plus rehabilitation, would be equal to the cost of a pipeline.

Director Gebhart suggested two options. One consideration is that the Commission approve the amendment pending that the Office reviews and approves of all prior approvals. The other suggestion is to disapprove of the amendment but allow the Sponsor to proceed without additional funding.

Commissioner Anselmi-Dalton expressed concern over nearly doubling the initial bid. She asks the Commission to proceed with caution.

Vice-chairman Yankee shared a similar concern. He drew attention to the financial information provided by the Town of Jackson, noting that they have $4,766,359 in their Repair and Replacement Fund.

Commissioner Suchor made a motion to table the additional funding request until the October meeting. Commissioner Anselmi-Dalton seconded the motion.

Discussion pursued. Director Gebhart questioned what would be reconsidered at a future meeting. If the desire is not to grant the requested amount, then he recommends disapproving the amendment now and allowing the Town of Jackson to accept the funds already granted, cancel the project, or cancel the project and reapply at a later date with more accurate cost estimates.

Senator Hicks questioned the expected completion date of this project. Poliseo responded that the anticipated completion of this project would not be until spring of the next building season. Director Gebhart confirmed that this would leave them with enough time to apply for Level III funding.

Commissioners Suchor and Anselmi-Dalton rescinded their motions.

Commissioner Yankee made a new motion to disapprove the amendment. Commissioner Kailey seconded the motion; motion carried seven to one with dissent of Commissioner Kot.

7. **Small Water Project Program Agreement Amendments**
   - *Blackrock Creek Stabilization & Irrigation Improvement, Amendment No. 1*
   - *Lower Snake River Ranch Bank Stabilization & Fish Habitat, Amendment No. 2*

- *Spread Creek Irrigation Rehabilitation & Fish Passage, Amendment No. 1*

Director Gebhart explained that all three of the proposed amendments were for one-year time extensions only. All delays were related to COVID-19 and subsequent difficulties to procure supplies.

Commissioner Suchor made a motion to approve the amendments. Commissioner Anselmi-Dalton seconded the motion; motion carried unanimously.

8. Planning Contract

- *Silver Lake Dam Rehabilitation, Level II Study*

  The Commission approved a time-extension amendment to this contract in March of 2021. The contract was lost in the mail and was never signed by the Consultant. Per recommendation of the attorneys, a new contract was drafted to replace the old contract, inclusive of a new, later expiration date. No other terms of the contract have changed.

  Commissioner Little made a motion to approve the contract. Commissioner Craig seconded the motion; motion carried unanimously.

9. Tentative Contingency Account Requests

- *Middle Piney Dam Reconstruction Project*

  Director Gebhart reviewed the list of anticipated change orders and project amendments, and recommended two options to the Commission. The first option was to approve $2,725,000 from the Contingency Fund to address the list of potential change orders and project amendments. The second option was to approve a lesser amount to address the list of potential change orders and project amendments anticipated in 2021, then reassess Final Grouting Work funding (in the anticipated amount of $1,700,000) at a later date.

  Representative Simpson clarified how Account III Contingency Funds are managed by the Commission. Account III Contingency Funds have already been appropriated by the Legislature.

  Commissioner Suchor made a motion to approve $1,025,000 from the Account III Contingency Fund to be allocated to the Middle Piney Dam Reconstruction Project to provide funding to address the list of potential change orders and project amendments anticipated in 2021, then reassess Final Grouting Work funding once additional instrumentation and monitoring are complete. Commissioner Little seconded the motion; motion carried unanimously.

  Senator Hicks recommended that the Commission amend their motion to reduce the amount allocated toward delays from $400,000 to $300,000, bringing the total

amount from $1,025,000 to $925,000. Senator Steinmetz seconded the motion; motion carried unanimously.

Commissioner Suchor amended his motion to authorize the Office to use Contingency Account funds in the amount of $925,000, with a $100,000 reduction for potential delay. Commissioner Anselmi-Dalton seconded the motion; motion carried unanimously.

10. Operating Criteria

Director Brandon Gebhart reviewed the proposed changes to the Operating Criteria, including the implementation of a tiered reimbursement schedule and a requirement for compliance with the Department of Audit and the Department of Revenue. After discussion that ensued during the workshop, he proposed new language to read, "The Sponsor must be in compliance with all applicable reporting requirements with the Department of Audit and the Wyoming Department of Revenue prior to release of funds from the WWDO."

Commissioner Anselmi-Dalton made a motion to approve the amendments to the Operating Criteria and waive the public comment period. Commissioner Kailey seconded the motion; motion carried unanimously.

A motion was made by Commissioner Little to change the order of the next two agenda items to allow for workshop action items to be addressed before receiving an update from the State Engineer's Office. The motion was seconded by Commissioner Kailey and carried unanimously.

11. Workshop Action Items

Director Gebhart recommended that the Commission determine that the excess water in Seminoe under the Cheyenne BOPU agreement is no longer needed because the water has not been contracted for in the previous ten years, and allow the Director to enter into an agreement with the City of Cheyenne to terminate the existing contract.

Commissioner Little made a motion to approve the Director's recommendation. Commissioner Anselmi-Dalton seconded the motion; motion carried unanimously.

12. Public Comment for Joint WWDC/SWC Items

Director Gebhart thanked WDO staff for coordinating the previous days tour of LaPrele Dam.

Commissioner Anselmi-Dalton made a motion to adjourn the WWDC portion of the meeting. Commissioner Little seconded.

13. **SEO Update**

14. **Use of ARPA Funds for Water Projects** – SWC Item

15. **Orphan Water Rights** – SWC Item

16. **Produced Water** – SWC Item

17. **Codification of Wyoming's Supreme Court Cases Related to the Conveyance of Water Across Property** – SWC Item

18. **Future Meeting Schedule**

19. **Adjournment**

Respectfully submitted,

Ron Kailey, Jr., Secretary

2021 WWDC CONSULTANT INTERVIEW SCHEDULE

THURSDAY, OCTOBER 7TH

8:30 AM — **Sponsor Briefing**, Capitol Extension Rm #6

	Clarks Fk/Upper Shoshone	Pavillion GW Supply	Dowlin Diversion Rehab	
Room:	Capitol Extension Rm #4	Capitol Extension Rm #5	Capitol Extension Rm #6	
9:00 AM	**Grouse Mountain**	**Weston Engineering**	**Short Elliot Hendrickson**	
10:00 AM	**Trihydro**	**James Gores & Assoc**	**WWC Engineering**	**Commissioners**
Team:				**Open**
Project Manager	Robertson	Clarey	Jones	
Commissioner 1	Craig	Glick	Choma	Anselmi-Dalton
Commissioner 2	Yankee	Suchor	Kailey	Kot
Advisor	Jeff Cowley	Brich	Nick Scribner	Lawson
Sponsor	Russ Dyer/Carmen McIntyre	Matt Pattison	Darren Parkin	Little

12:30 PM — **Sponsor Briefing**, Capitol Extension Rm #6

	Riverton Reg Water MP	Dayton Water MP	LaGrange GW Supply	W Afton/Nield String MP	
Room:	Capitol Extension Rm #3	Capitol Extension Rm #4	Capitol Extension Rm #5	Capitol Extension Rm #6	
1:00 PM	**HDR Engineering**	**William H. Smith**	**AVI**	**Forsgren Assoc**	
2:00 PM	**Morrison Maierle**	**Engineering Assoc**	**Stantec Consulting**	**Sunrise Engineering**	
3:00 PM	**William H. Smith**	**Forsgren Assoc**		**J-U-B Engineers**	**Commissioners**
Team:					**Open**
Project Manager	Tavelli	Gondzar	Clarey	Jones	
Commissioner 1	Craig	Little	Anselmi-Dalton	Choma	Glick
Commissioner 2	Yankee	Suchor	Kailey	Kot	Lawson
Advisor	Linch	Brewer	Fernandez	Pavlica	
Sponsor	Kyle Butterfield	Norm Anderson	Tracy Pragnell	Jody Kennington	

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Bridger Valley Regional Water Master Plan**
LEVEL: I
SPONSOR: Bridger Valley Joint Powers Board
LOCATION: Mountain View, Wyoming
PROGRAM: New Development
PROJECT MGR: Mike Robertson
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	150	2020	I	$100,000	2023

CURRENT CONTRACT:
Consultant
Sunrise Engineering, Inc.

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298319	3-31-20	$ 99,533	$ 99,533	$ 0	6-30-22

PROJECT DESCRIPTION:
The Bridger Valley Joint Powers Board is located in Uinta County and the Green River Basin. The regional water supply system serves a population of 6,088 people through 613 taps within the corporate limits and ~1,470 taps outside of the corporate limits in Bridger Valley (total 2,083 taps). The BVJPB is supplied with surface water from State Line Dam and Meek's Cabin Dam and from the Smiths Fork and Black's Fork Rivers. The water is treated at the water treatment plant from the intake structure on the Smiths Fork River and stored in three tanks with a total storage capacity of 2 million gallons. The Joint Powers Board was seeking a regional water master plan study to identify the components of the existing system that are deficient and to provide a schedule for improvements. Specific system concerns included water storage at the treatment plant, water treatment plant upgrades, evaluating potential groundwater options as a secondary water source, low pressure concerns in Fort Bridger, pipeline repair and replacement in Lyman and Mountain View and an evaluation of transmission line looping options. The study also considered system capacity and the ability to meet future needs based on growth projections.

PROJECT FINDINGS/RECOMMENDATIONS:
The Bridger Valley system is in good condition with ample source and storage capacity to continue to serve the residents for the next 40 years at the estimated annual population growth rate of 0.6%. The study recommended several improvements to the water treatment facility to address issues and concerns. The oldest of the three storage tanks, a 500,000-gallon welded steel tank constructed with the original water treatment plant in the late 1970s, has reached the end of its service life and has experienced corrosion

difficulties in the floor area. A synthetic liner has been retrofitted to the tank in recent years with mixed results and the study recommended replacement of this tank.

All transmission lines in the system are believed to be asbestos cement with an estimated lifespan of 65-105 years. Asbestos cement is susceptible to abrasion from grit in the water, but has excellent corrosion resistance. The study recommended that the project sponsor track the frequency of breaks, which is an indicator of pipe deterioration, and to note the pipe thickness when cut for maintenance work to determine the need for replacement. Thus far, break history has not indicated any immediate needs for pipe replacement, but the pipes are approaching their design life and within 20 years will exceed the 65-year expected life.

The transmission system is forked to convey water out over the relatively large service area and has limited looping that leaves each community at risk of water outages. This arrangement has also left one section of Ft. Bridger experiencing low pressure during fire. The study indicated that both Ft. Bridger and Lyman would benefit from increased system reliability by having alternate transmission routes from the Mountain View/Highway 414 area. Two alternative looping transmission lines were presented and cost estimates prepared for each.

One concern for this water supply system is the reliance on a single river diversion which presents a risk that surface contamination or excess sediment could interrupt supplies. An extensive review of the hydrogeology of the region found no good options for development of a supplemental groundwater supply. One potential option that may be explored with an additional planning study would be a horizontal collection network.

Another limitation of the current system that could result in interrupted service is the lack of a backup power source at the 1,000,000 gallon storage tank located in Urie. This tank is situated at a lower elevation within the distribution system because it was designed to serve development in a lower zone of the system. An adjacent booster station allows the tank to service the entire system, and is particularly important during peak demand periods. The lack of backup power means it is vulnerable during a power outage situation and the study recommended adding a backup power source.

Water rates, income and expenses of the District were reviewed as part of this report. The BVJPB's income essentially matches expenses and is adjusted periodically based on projected costs. The BVJPB has recently begun budgeting for a reserve fund. The base rates and user fees are in line with or slightly above surrounding systems but still below AWWA guidelines based on median household income. Impact fees were suggested as a potential income source for the BVJPB that should be considered to address growth related impacts. The BVJPB should continue to build funds to address future water source, maintenance, and system reliability improvements.

This project resulted in a detailed report, cost estimates and prioritization of proposed improvements, an updated hydraulic model of all BVJPB system components, including all of the Lyman and Mountain View distribution system, and updated GIS mapping.

Below is summary of the cost estimates for each of the various project recommendations that resulted from this study.

Estimated Project Costs

Improvement 1 Alternative 1	218 Looping Line To Ft Bridger	$1,908,000
Improvement 1 Alternative 2	Second Transmission Line to Lyman	$2,270,000
Improvement 2	500,000 Gallon Storage Tank	$968,000
Improvement 3	Stand-By Generation at Urie Booster Station	$184,000
Improvement 4	Priority 1 WTP Improvement	$120,000
	Priority 2 WTP Improvement	$74,000
	Priority 3 WTP Improvement	$35,000
Lyman	South Main Street	$502,000
Mountain View	414 4th to 6th	$189,000

PUBLIC REPORT PRESENTATION HEARING: N

Date	Location	City/Town
7-14-21	Bridger Valley JPB Water Treatment Plant, 5716 S. Hwy 410	Mountain View

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: http://library.wrds.uwyo.edu/wwdcrept/Bridger_Valley/Bridger_Valley-Regional_Water_Master_Plan_Level_I_Study-Final_Report-2021.html
Executive Summary: http://library.wrds.uwyo.edu/wwdcrept/Bridger_Valley/Bridger_Valley-Regional_Water_Master_Plan_Level_I_Study-Executive_Summary-2021.html

WWDO RECOMMENDATION:
The WWDO recommends acceptance of the final report submittals. Upon completion of this Level I Regional Water Master Plan Study, the District has no immediate plans to advance with recommended improvements in 2021.

WWDC PROPOSED MOTION:

I move acceptance of the Bridger Valley Regional Water Master Plan, Level I project report as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Proceeding to the next Level of project development upon the submittal of an appropriate funding application by the sponsor.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Happy Valley Water Supply**
LEVEL: II
SPONSOR: Happy Valley ISD
LOCATION: Lincoln County
PROGRAM: New Development
PROJECT MGR: Kevin Boyce
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	150	2020	I	$59,000	2023

CURRENT CONTRACT:

Consultant
Sunrise Engineering, Inc.

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298324	3-31-20	$58,424	$58,411	$ 13	6-30-22

PROJECT DESCRIPTION:
The newly formed Happy Valley Improvement and Service District requested funding for a Level II feasibility water supply study that would evaluate the current condition of their water system and provide the tools and guidance necessary to assist in the planning, rehabilitation, upgrading, and managing of their system. The system had a reconnaissance-level evaluation in the WWDC 2009 Star Valley Regional Master Plan, Level I Study. The system's 60-year old steel transmission pipeline, sourced from two springs is needing more repairs than existing funds are available. Over the years, repairs have been made as needed, yet the District's O&M account is dwindling and at present water rates, funding cannot keep up with repairs. The Sponsor has been communicating with the Town of Afton regarding a possible regional connection. The Town's southern distribution line presently terminates approximately ¾ of a mile north of Happy Valley which presents a feasible alternative to the springs in Dry Creek Canyon.

PROJECT FINDINGS/RECOMMENDATIONS:
Based on the analysis presented in the study, several alternatives for improvements were investigated:

Alternative 1 – Happy Valley Stand Alone
This alternative assumes that the Happy Valley system remains independent of any other water system. The current condition of the Happy Valley system is fair to poor, and improvements are needed to replace aging infrastructure.

Estimated Alternative 1 Project Costs

Alternative 1 Phase 1	Replace Happy Valley Lane Pipeline	$316,000
Alternative 1 Phase 2 – Opt. A	Replace Pipeline to Lower Spring	$359,000
Alternative 1 Phase 3 – Opt. A	Construct 200,000 Gallon Storage Tank	$733,000
Alt. 1 Phase 4 & 5 – Opt. A	Redevelop Water Cress Springs #1 & #2	$527,000
Alternative 1 Phase 2 – Opt. B	New Well, 200,000 Gallon Storage, 8" Pipe	$1,457,000

Alternative 2 – Happy Valley Connect to Town of Afton

This alternative would have the Happy Valley water system obtain water from the Town of Afton. The Afton water system is within approximately 1 mile of the Happy Valley system at the Kodiak Mountain Resort (KMR), located at the intersection of US Highway 89 and Wyoming State Highway 236. The most likely scenario would be for the Town to sell water to the Happy Valley Water District at a metered delivery point, and the District would operate the system downstream of that point.

Estimated Alternative 2 Project Costs

Alternative 2 Phase 1	Replace Happy Valley Lane Pipeline	$316,000
Alternative 2 Phase 2 – Opt. A	10" Pipeline from Afton with Booster Pump Station	$720,000
Alternative 2 Phase 2 – Opt. B	8" Pipe from Afton w/ Booster Pump & 200k Tank	$1,312,000
Alternative 2 Phase 3	New Well	$408,000

Alternative 3 – Happy Valley Connect to Osmond

This alternative would combine the Happy Valley water system with the Osmond water system to provide economies of scale with regards to the various water system facilities. This would eliminate parallel pipelines that currently exist.

Estimated Alternative 3 Project Costs

Alternative 3 Phase 1	Replace Happy Valley Ln. Pipe, New 350K Gal. Tank	$1,432,000
Alternative 3 Phase 2	New Well	$408,000
Alternative 3 Phase 3	Replace Osmond Pipelines w/ 8" Pipe	$2,211,000

From an engineering standpoint, Alternative 3 was determined to be the most cost-effective alternative in the long run and was the recommended option. The District is now reviewing the information from the study and determining their next steps with project development.

PUBLIC REPORT PRESENTATION HEARING: Y

Date	Location	City/Town
6-23-21	Afton Town Hall, 416 Washington Street	Afton

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: http://library.wrds.uwyo.edu/wwdcrept/Star_Valley/Happy_Valley-Water_Supply_Level_II_Study-Final_Report-2021.html

Executive Summary: http://library.wrds.uwyo.edu/wwdcrept/Star_Valley/Happy_Valley-Water_Supply_Level_II_Study-Executive_Summary-2021.html

WWDO RECOMMENDATION:
The WWDO recommends acceptance of the final report submittals and closing the consultant services contract. The WWDO further recommends proceeding to the next Level of project development pending an appropriate funding application by the sponsor.

WWDC PROPOSED MOTION:

I move acceptance of the Happy Valley Water Supply, Level II Study project report as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Proceeding to Level III of project development upon the submittal of an appropriate funding application by the sponsor.

2. Based on the findings in the final report, the project is determined to be in the public interest.

3. The project functions and services cannot realistically be provided by any person, association or corporation engaged in private enterprise.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Highland Hanover ID Pump Station**
LEVEL: II
SPONSOR: Highland Hanover Irrigation District (ID)
LOCATION: Worland, Wyoming
PROGRAM: Rehabilitation
PROJECT MGR: Keith Clarey/Jason Mead
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	150	2020	II	$75,000	2023

CURRENT CONTRACT:
Consultant
Western Heritage Consulting & Engineering

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298327	3-30-20	$75,000	$72,822.75	$2,177.25	6-30-22

PROJECT DESCRIPTION:
Highland Hanover Irrigation District (ID) requested a 2020 WWDC Level II feasibility study to investigate the replacement of pumps at the pump stations and other system improvements. The existing pumps at Pump Station #2 were installed during 1955-1956 and have reached the end of their useful life. Replacement is required to continue operating the water system and with associated improvements.

PROJECT FINDINGS/RECOMMENDATIONS:
Preliminary designs for three (3) options were developed including cost estimates based on WWDC requirements. The top priority for the District was to address the Pump Station #2 pumps with additional improvements to the Coutis Ditch pumps, the building structural repairs and mechanical systems, and site grading. The existing pumps are operating at a reduced capacity of approximately 80% of design and the motors are very high voltage (2300V) motors requiring specialty electrical components and technicians.

Option 1 of the Level II study recommended to replace the aging pumps with two (2) 750HP, 460V, 3-Phase, 60 Hz vertical turbine pump and motors with a design flow of 19,500-20,000 gpm/pump at 115 feet of total dynamic head. This configuration would provide an additional 5% capacity. This option includes the necessary piping components including check valves, gate valves, and couplings to attach to the existing discharge piping. The building footprint was reviewed with the new components and any necessary alterations to the foundation was accounted for in the construction costs. Along with new electrical controls,

the existing electrical infrastructure was reviewed, and new electrical service equipment is specified for the demands of the proposed pumping equipment.

Currently, the adjacent Pump Station #5 is being used to supplement the reduced pumping capacity of Pump Station #2. The District would like to return Pump Station #5 to its intended use as a backup system and install new pumps to provide a 5-10% increase in capacity and optimize the functionality of the system. In addition to new pumping units. Operational upgrades are required using variable frequency drives (VFD) which feed programmable logic controllers (PLC). Flow meters will be installed to adjust capacity and optimize the functionality of the system.

In addition to the replacement of the Pump Station #2 pumps, the District would like to replace the Coutis Ditch pumps with new VFDs and controls. The new controls would be regulated with a flow meter which would allow the pumps to operate more efficiently with the water conveyance demands. New pumping units would also be standardized to 460V equipment similar to the Pump Station #2 pumping units, optimizing the new electrical service equipment.

Repairs to the pump station were integrated along with the options to improve the building, in addition to the pump replacements. Overall, the structure is in good condition with one minor foundation repair identified in the structural evaluation. To maintain acceptable operational temperatures in the building for the new pumping units and electronic controls, recommendations for improved heating and ventilation were provided for the building. By maintaining optimal ambient conditions in the building both in the summer during use and during the off-season in low temperatures, extended lifespans of the equipment will be achieved. Options for electric unit heaters, louvered exhaust fans, and insulation was presented.

The pump station is located in a depression with steep banks on three sides with areas of erosion. Site grading repairs were recommended to reestablish the grading both at the road above and the intermediate drainage bench to control stormwater runoff to the site. Where the banks are eroded, smoothing and erosion blankets should be use for slope stability. To alleviate any ponding of stormwater around the pump station, the surface should be regraded so that a 2% minimum slope is maintained from the rear of the pump station to the canal.

Option 1 of the Level II study was selected by the Sponsor to be supported for a Level III project. The cost estimate for the proposed 2022 WWDC Level III construction project for Option 1 is approximately $4,750,000 total.

PUBLIC REPORT PRESENTATION HEARING: Y

Date	Location	City/Town
7-15-21	Washakie County Extension Office 1200 Culbertson, Suite G	Worland

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report:
http://library.wrds.uwyo.edu/wwdcrept/Highland_Hanover/Highland_Hanover_Irrigation_District-Pump_Station_Level_II_Study-Final_Report-2021.html

Executive Summary:
http://library.wrds.uwyo.edu/wwdcrept/Highland_Hanover/Highland_Hanover_Irrigation_District-Pump_Station_Level_II_Study-Executive_Summary-2021.html

WWDO RECOMMENDATION:
The Highland Hanover ID relies entirely on the pumps at Pump Station #2 to provide the majority of water to member irrigators. The District applied for a 2022 Level III construction project on September 1, 2021, based on Option 1 from the 2021 Level II study. The WWDC recommends proceeding to the next Level of project development.

WWDC PROPOSED MOTION:

I move acceptance of the Highland Hanover ID Pump Station, Level II Study project report as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Proceeding to Level III of project development upon the submittal of an appropriate funding application by the sponsor.

2. Based on the findings in the final report, the project is determined to be in the public interest.

3. The project functions and services cannot realistically be provided by any person, association or corporation engaged in private enterprise.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL II PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
DAM AND RESERVOIR DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Meeks Cabin Dam Enlargement**
LEVEL: II PHASE: II
SPONSOR: Bridger Valley Water Conservancy District
LOCATION: Mountain View, Wyoming
PROGRAM: Dams and Reservoirs
PROJECT MGR: Andrew Linch
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	168	2015	III	$600,000	2018

CURRENT CONTRACT:
Consultant
United States Bureau of Reclamation

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
15-WC-40-559	8-25-17	$294,536	$238,756.16	$55,779.84	N/A

PROJECT DESCRIPTION:

During the 2013 General Session, $350,000 was appropriated for a Level I Watershed Study sponsored by the Uinta County Conservation District. The study identified reservoir enlargements as the most feasible means of providing reliable sources of late season irrigation water to area users. Specifically, the study recommended the Bridger Valley Water Conservancy District (District) sponsor a Level II study to further investigate the feasibility of enlarging Meeks Cabin Reservoir.

During the 2015 General Session, $600,000 was appropriated for a feasibility study, sponsored by the District, to further investigate the enlargement of Meeks Cabin Reservoir. Currently, the facility has a total adjudicated storage capacity of 33,571 acre-feet and is part of the U.S. Department of Interior, Bureau of Reclamation's (Reclamation) "Lyman Project." Meeks Cabin Dam is one of two storage facilities operated by the District and owned by Reclamation. Approximately 25,700 acres receive supplemental irrigation water supply from the facility. The District also operates Stateline Dam which is located just south of the Utah-Wyoming state line.

Approximately half ($293,500) of the 2015 appropriation was utilized under a typical WWDO contract with an engineering consultant to conduct a Level II, Phase I Feasibility Study in which to perform hydrologic modeling, conservation and screening, alternatives analysis, environmental analysis, preliminary geotechnical analysis, and economics analysis. The Level II, Phase I was a broad-based approach to determine if any fatal flaws would halt the progress of an enlargement to the dam. The study

was completed and the District was presented with project findings. Results indicated that a 6,510 acre-foot enlargement of Meeks Cabin Reservoir was feasible and no fatal flaws were anticipated during a future NEPA or permitting phase of the project. The District considered the economic feasibility of the project, and requested continuation with the next phase of study.

The remaining 2015 appropriation was used to seek technical assistance from Reclamation to further consider enlargement of their facility. The technical assistance with Reclamation was initiated as Task Order 2017-1 under the existing Technical Service Agreement 15-WC-40-559. The task order refined the feasibility of enlarging the facility and included Project Management, Preliminary Design, Preliminary Risk Analysis, Value Planning Study, and Appraisal Level Alternatives tasks; all of which are requirements to modify a Reclamation owned facility. The Reclamation Risk Analysis draft report was prepared and reviewed by WWDO staff and the final report was completed in September 2019. However, since Reclamation considers this report to contain sensitive dam safety information, it was not published on the WWDC website.

PROJECT FINDINGS/RECOMMENDATIONS:

When evaluating risks associated with modifications to a Reclamation owned facility or changes to reservoir operations, Reclamation's Dam Safety Office guidance typically requires a "risk neutral" condition. Raising the dam crest would increase the risk estimates for the static, hydrologic, and seismic failure modes, identified by the risk analysis team as critical to Meeks Cabin dam. To achieve a "risk neutral" condition, structural modifications to the facility would be required in addition to the dam raise. These include adding an embankment filter to the top two-thirds of the downstream face of the dam, as well as adding a diaphragm filter around and a large stability berm over the downstream end of the outlet works conduit. However, the structural modifications alone were not satisfactory to achieve risk neutrality. Instead of proposing additional structural modifications, (i.e. overdesign) the Reclamation team proposed additional field exploration, lab testing, stability analysis, and inundation mapping tasks to better understand the existing risks and whether or not the proposed structural modifications would be sufficient to achieve risk neutrality. As such the originally budgeted Value Planning Study task was deferred and resulted in the contract savings amount show above.

The structural modification alternatives evaluated under the task order were judged by Reclamation to be the most cost-effective alternatives for risk reduction and even with further evaluation, it is likely that most if not all of the proposed modifications would be necessary for the enlargement proposal to achieve risk neutrality and proceed. The current Reclamation cost estimate for the dam enlargement with the anticipated structural modifications is $33 million. The previous Level II, Phase I Feasibility Study estimate for enlargement was $7.3 million with a benefit-cost ratio of 1.6:1. With the current cost estimate being more than four times as much, the benefit-cost ratio for the project is no longer greater than one.

The District has been kept up to date on project developments and was presented with project results from Reclamation in July 2020. The final construction cost estimate and updated economic information has been discussed with the District and they have submitted a letter to the WWDO expressing their thanks for the studies completed to date and stating they are not interested in moving forward with the project due to the increased costs. However, if conditions change in the future, they may be interested in pursuing the project then.

PUBLIC REPORT PRESENTATION HEARING: N

Date	Location	City/Town
7-15-20	BVWCD Office, 609 W. 3rd St.	Mountain View, WY

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: Please Contact the Water Development Office
Executive Summary: Please Contact the Water Development Office

WWDO RECOMMENDATION:
The WWDO recommends no further study of the Meeks Cabin Dam Enlargement Project.

WWDC PROPOSED MOTION:

I move acceptance of the Meeks Cabin Dam Enlargement Project as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Terminating further consideration of the Meeks Cabin Dam Enlargement project.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT:	**Owl Creek Irrigation District Lucerne Master Plan**
LEVEL:	I
SPONSOR:	Owl Creek Irrigation District
LOCATION:	Hot Springs County
PROGRAM:	Rehabilitation
PROJECT MGR:	Mabel Jones
WWDC MTG DATE:	October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	150	2020	II	$170,000	2023

CURRENT CONTRACT:

Consultant

Anderson Consulting Engineers, Inc.

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298326	3-29-20	$169,100	$168,974.28	$125.72	6-30-22

PROJECT DESCRIPTION:

The Owl Creek Irrigation District Board (District) requested funding in 2019 for a Level I Study to provide an assessment of the condition and needs (operational as well as rehabilitation) for pump systems, spillways, and conveyance structures. The Study focused on the Lucerne Area of the District. The Lucerne Area consists of approximately 4,400 acres with 103 individual users being served by the Lucerne Area canal system. The Lucerne Area canal system is nearly 22 miles in length, consisting of four distinct canals/ditches. Water is diverted from the left bank of the Big Horn River approximately 3.5 river miles north of Thermopolis, Wyoming via a boulder/large rock diversion structure.

A comprehensive evaluation of the major mechanical systems, electrical systems, and infrastructure associated with replacement of both the primary and re-lift pump stations was included. Additionally, the study tabulated water rights, evaluated right of ways, revisited previous seepage studies, updated the Districts' GIS and recommended operational changes. The recommendations provide detailed conceptual plans, costs and phasing. Identification of funding assistance and the ability to pay for the improvements was also included with the study.

PROJECT FINDINGS/RECOMMENDATIONS:

The study evaluated 127 unique structure or conveyance features and 97 farm turnouts (FTOs). To prioritize rehabilitation or replacement of individual structures within the Lucerne Area of the OCID, each structure was classified as 'good', 'fair', 'poor', or 'failing'. Of the 127 unique structures or channel features other

than FTOs, 23 structures were identified as poor and failing, while another 28 were characterized as fair but needing some rehabilitation. Ninety-seven farm turnouts were identified during the field inventory, and eight were determined to be poor or failing, while 14 others were identified as fair but needing some type of improvement. Due to the number of structures that needed to be considered for replacement or rehabilitation, a focus was placed on the non-FTOs that are characterized as poor or failing. The poor and failing structures were placed into the priority groupings based on condition, critical need for the structure and service area affected.

Conceptual designs were prepared at varying levels of detail for projects falling into Priority Groupings 1, 2, and 3 based on the structure type. The Pumping Stations design concepts include full pump replacement extending to the outlet pipes and upgrades to transformer stations. For other relatively complex structures site specific conceptual designs were prepared. Standard conceptual designs were developed for checks, culverts and drops and were adapted to local conditions to meet size and geometric requirements.

Cost estimates were prepared for Priority Group 1, 2, and 3 structure improvements and are provided below.

Priority Grouping	Project	Cost
1	**Pump and Pump Support Facilities**	
	Main Pump Station Replacement	$5,571,426
	Re-Lift Pump Station Replacement	$682,741
	Subtotal	**$6,254,167**
2	**Water Supply and Support Facilities**	
	Inlet Headgate, Diversion and Access Bridge Replacement	$548,148
	Dempsey Ditch Headgate, Diversion, Wasteway and Sand Gate	$794,075
	Subtotal	**$1,342,223**
3	**Conveyance Facilities and Seepage Mitigation**	
	Seepage Mitigation-Concrete Lining and Siphon	$1,068,896
	Other Priority 3 Projects Check and Drop Structures, Culverts	$688,942
	Subtotal	**$1,757,838**
TOTAL		**$9,354,228**

PUBLIC REPORT PRESENTATION HEARING: N

Date	Location	City/Town
7/13/21	Hot Springs County Annex, 327 Arapahoe	Thermopolis

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: http://library.wrds.uwyo.edu/wwdcrept/Owl_Creek/Owl_Creek-Irrigation_District_Lucerne_Master_Plan_Level_I-Final_Report-2021.html

Executive Summary: http://library.wrds.uwyo.edu/wwdcrept/Owl_Creek/Owl_Creek-Irrigation_District_Lucerne_Master_Plan_Level_I-Executive_Summary-2021.html

WWDO RECOMMENDATION:
The WWDO recommends acceptance of the final report submittals and closing the consultant services contract.

WWDC PROPOSED MOTION:

I move acceptance of the Owl Creek Irrigation District Master Plan Level I Study project report as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Proceeding to the next Level of project development upon the submittal of an appropriate funding application by the sponsor.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Pavillion Water Master Plan**
LEVEL: I
SPONSOR: Town of Pavillion
LOCATION: Pavillion, Wyoming
PROGRAM: New Development
PROJECT MGR: Keith Clarey/Kevin Boyce
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	150	2020	I	$135,000	2023

CURRENT CONTRACT:

Consultant
DOWL, LLC

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298334	4-6-20	$134,683	$117,695.97	$16,987.03	6-30-22

PROJECT DESCRIPTION:

The Town of Pavillion has a population of 240 people and they are served through 130 taps within the corporate limits and 4 taps outside of the corporate limits. The Town is supplied with Eocene age Wind River Formation groundwater from five (5) wells and the wells have a combined average yield of 100 gpm. The supplied groundwater is treated by chlorination and stored in an above-ground welded steel tank with a capacity of 250,000 gallons and a standpipe.

In 2019, the Town of Pavillion requested a Level I water master plan to identify system needs, develop a plan to accommodate future growth, evaluate the components of their existing system, and provide a schedule for improvements. The plan will serve as a framework to establish project priorities, perform financial planning necessary to meet those priorities, and provide reconnaissance-level information regarding costs and scheduling.

PROJECT FINDINGS/RECOMMENDATIONS:

The following findings and recommendations were identified for the Town of Pavillion water system during the Level I study:

- Proceed with expanding the water service line project and seeking additional funding as soon as possible. A source for needed funding may be an MRG grant at the June 2022 meeting.

- Continue to proceed through the 2022 WWDC Level II program for the proposed new well. When this well is constructed and if its yield and quality are what is expected, acquire it from the WWDC and take the necessary steps to connect the well to the system. These steps include submitting a 2023 Level III funding request to help cover the costs for connecting the well to the system.
- Upgrade the SCADA system to improve the efficient operation of the water system (approximately $6,000, to be funded with local funds and included in the Town's water budget).
- It is recommended that the service line project to be expanded from the application for SRF funding made a couple of years ago for a more complete service line upgrade project with new meters, meter pits, and billing software. The new budget is $546,000 with a breakout presented in the Final Report. Additional SRF or MRG funding appears possible in 2022.
- Recommended additional water system improvements (2021 Level I Final Report Sections 2.1.4 and 8.2.3) (total estimated cost $349,000).
- Recommend installing a water mixing system in the water standpipe to prevent stagnant water from forming in the tank.
- Expand the piping and valving at the site of the tanks and pump station, so either tank can be bypassed for cleaning with the rest of the facilities staying in operation to continue supplying water to the Town.
- Add auxiliary power to this site for the pump station. This will also require expanding the site (acquiring more land), and refencing the site.
- Install additional gate valves in the distribution system to improve the capacity for isolating smaller sections of the system when this is needed, rather than shutting down larger portions of Town or the entire system.
- Recommend operational and maintenance of various system components in the 2021 Level I Final Report, Section 2.1.4.
- Recommend Level III funding in 2023 for connecting the proposed new 2022 Level II test well (proposed "Well No. 9") to the Town's water system, if the groundwater quality and quantity are sufficient for Town use.

PUBLIC REPORT PRESENTATION HEARING: N

Date	Location	City/Town
8-5-21	Town Hall, 203 ½ N. Main Street	Pavillion

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: http://library.wrds.uwyo.edu/wwdcrept/Pavillion/Pavillion-Water_Master_Plan_Level_I_Study-Final_Report-2021.html
Executive Summary: http://library.wrds.uwyo.edu/wwdcrept/Pavillion/Pavillion-Water_Master_Plan_Level_I_Study-Executive_Summary-2021.html

WWDO RECOMMENDATION:
The WWDO recommends acceptance of the final report submittals and closing the consultant services contract. The Town of Pavillion has decided to not apply for a Level III construction project at this time, but they intend to apply sometime in the future. The Town has already applied for a 2022 Level II test well feasibility study in February 2021.

WWDC PROPOSED MOTION:
I move acceptance of the Pavillion Water Master Plan, Level I Study project report as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Proceeding to the next Level of project development upon the submittal of an appropriate funding application by the sponsor.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Shoshoni Water Master Plan**
LEVEL: I
SPONSOR: Town of Shoshoni
LOCATION: Shoshoni, Wyoming
PROGRAM: New Development
PROJECT MGR: Keith Clarey/Chace Tavelli
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	150	2020	I	$157,000	2023

CURRENT CONTRACT:

Consultant
James Gores and Associates, Inc.

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298323	3-26-20	$156,733	$156,722.42	$ 10.58	6-30-22

PROJECT DESCRIPTION:

The Town of Shoshoni has a population of 652 people and they are served through 364 taps within the corporate limits. The Town is supplied with Eocene age Wind River Formation groundwater from four wells located west of the Town and the wells have a total average yield of 742 gpm. The supplied groundwater is treated by chlorination and stored in an above-ground welded steel tank with a capacity of 500,000 gallons also located west of the Town.

The Town of Shoshoni requested a Level I water master plan to identify system needs, develop a plan to accommodate future growth, evaluate the components of their existing system, and provide a schedule for improvements. The plan will serve as a framework to establish project priorities, perform financial planning necessary to meet those priorities, and provide reconnaissance-level information regarding costs and scheduling.

PROJECT FINDINGS/RECOMMENDATIONS:

The following findings and recommendations were identified for the Town of Shoshoni water system during the Level I study:

- Resolve Well No. 6 gas problems, pipeline surging, and repeated pipe failures between Well No. 6 and the Water Storage Tank (1st Priority, ~$500,000).
- SCADA system upgrade (2nd Priority, ~$280,000).

- Replace Well No. 6 vault with above-ground wellhouse (3rd Priority, ~$335,000).
- Replace Well No. 5 vault with above-ground wellhouse (4th Priority, ~$200,000).
- Replace pump in Well No. 6 (5th Priority, ~$45,000).
- Replace Well No. 4 wellhouse and discharge piping (6th Priority, ~$290,000).
- Replace Well No. 2 wellhouse and discharge piping (7th Priority, ~$264,000).
- Replace existing meters & yokes with radio-read (8th Priority, ~$101,000, not eligible for WWDC funding).
- Evaluate function of each valve clustered at the base of Water Tank Hill (9th Priority, not eligible for WWDC funding).
- Redevelop Well No. 4 (10th Priority, ~$45,000).
- Install fire hydrant at Wasatch Railcar Facility (11th Priority, not WWDC eligible).
- Storage Tank & Road and Site Modifications (12th Priority, ~$582,000).

The reconnaissance-level cost estimates combined for all Level I recommendations totals ~$2,625,000 (eligible for WWDC-funding and non-eligible).

PUBLIC REPORT PRESENTATION HEARING: N

Date	Location	City/Town
6-8-21	Town Hall, 102 West 2 Street	Shoshoni

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: http://library.wrds.uwyo.edu/wwdcrept/Shoshoni/Shoshoni-Master_Plan_Level_I_Study-Final_Report-2021.html
Executive Summary: http://library.wrds.uwyo.edu/wwdcrept/Shoshoni/Shoshoni-Master_Plan_Level_I_Study-Executive_Summary-2021.html

WWDO RECOMMENDATION:
The WWDO recommends acceptance of the final report submittals and closing the consultant services contract. The Town has decided to not apply for a Level III construction project at this time, but they intend to apply sometime in the future for either Level II or Level III funding.

WWDC PROPOSED MOTION:

I move acceptance of the Shoshoni Water Master Plan, Level I Study project report as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Proceeding to the next Level of project development upon the submittal of an appropriate funding application by the sponsor.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Skyline ISD Water Supply**
LEVEL: II
SPONSOR: Skyline Improvement and Service District
LOCATION: Teton County
PROGRAM: New Development
PROJECT MGR: Kevin Boyce
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	150	2020	I	$93,000	2023

CURRENT CONTRACT:

Consultant
Nelson Engineering

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298335	4-4-20	$93,000	$88,405.96	$4,594.04	6-30-22

PROJECT DESCRIPTION:

The Skyline Improvement and Service District (SISD) is located 2 miles west of Jackson on State HWY 22 along the east banks of the Snake River. The SISD is located in an unincorporated area of Teton County and serves 93 subdivision lots, each approximately 2 acres in size. The existing system includes supply, transmission, storage, and distribution facilities with two pressure zones. The supply is from two groundwater wells, conveyed by 8-inch ductile iron pipe, with storage in a 5,000-gallon hydro-pneumatic pressure tank. The storage tank has a capacity of 450 gallons within the operating pressure range. The distribution system consists of mixed size distribution mains, flushing hydrants, and residential meters.

The SISD performed a "Home Brew" Level I Study before requesting funding for the Level II water supply study. The current Level II Study:

- gathered and evaluated existing information for the system,
- completed a system inventory,
- evaluated current water sources including water rights, capacities, water quality, and potential for expansion,
- developed improved GIS mapping,
- modeled the existing system and evaluated hydraulic capabilities for existing and future demands,
- evaluated system deficiencies,
- provided recommendations and cost estimates for improvements, and
- prioritized improvements critical for system operation with an evaluation of funding options.

The Level II study concluded that there is a real need for additional supply, replacement of water system controls, improvement to storage, and replacement of residential meters. The Study also determined a need for creating a fund to plan for infrastructure replacement. The Level II study determined that, with assistance from State funding programs and adjustments to water rates, SISD is financially capable of completing the recommended improvements as well as creating the sinking fund for future distribution system replacement.

PROJECT FINDINGS/RECOMMENDATIONS:
The Level II study recommended the following improvements:

- Develop an operation and maintenance (O&M) manual.
- Enlarge the water rights portfolio for the existing groundwater wells (Well #2 and Well #3) to accommodate additional annual production volume.
- Install and maintain individual meters on groundwater wells to facilitate required reports to the State Engineer's Office.
- Drill and complete a new groundwater well (Well #4) to provide the required maximum hour flow with the single largest unit not in service.
- Upgrade the electrical service to allow for:
    - simultaneous operation of all wells,
    - a new power supply to the storage tank site, and
    - protected control facilities to safeguard equipment from unauthorized use.
- Evaluate future enhancements to backup power in order to supply all wells.
- Install a chlorine disinfection facility.
- Rehabilitate and upgrade the storage tank facilities including:
    - sealing the building foundation walls,
    - replacing existing corroded pipe and valves
    - install new primary electrical supply and backup power from the existing generator.
- Develop a plan for replacing the aging distribution system.
- Install new residential water meters to replace aging (and likely inaccurate) meters to automate data collection.

The Level II study further recommended prioritizing the system improvements in two different phases. The table below presents costs associated with each phase of system improvements and identified Phase 1 tasks as the highest priority.

Cost of Phase 1 and Phase 2 System Improvements

PHASE	DESCRIPTION	COST	TOTAL $/PHASE
1	Water Supply Improvements	$ 684,700	$ 1,035,100
	Water Storage Improvements	$ 226,800	
	Replace Residential Water Mete	$ 123,600	
2	Water Distribution Replacement	$ 4,374,100	$ 4,374,100

PUBLIC REPORT PRESENTATION HEARING: Y

Date	Location	City/Town
6-22-21	Teton County Extension Office, 255 West Deloney	Jackson

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: http://library.wrds.uwyo.edu/wwdcrept/Skyline/Skyline-Improvement_and_Service_District_Water_Supply_Level_II_Study-Final_Report-2021.html
Executive Summary: http://library.wrds.uwyo.edu/wwdcrept/Skyline/Skyline-Improvement_and_Service_District_Water_Supply_Level_II_Study-Executive_Summary-2021.html

WWDO RECOMMENDATION:
The WWDO recommends acceptance of the final report submittals and closing the consultant services contract. Additionally, the WWDO recommends pursuing a Groundwater Exploration Grant project to drill and test a Well #4. WWDO further recommends a Level III project application for storage and supply improvements.

WWDC PROPOSED MOTION:

I move acceptance of the Skyline Improvement & Service District Water Supply, Level II Study project report as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Proceeding to the next Level of project development upon the submittal of an appropriate funding application by the sponsor.

2. Based on the findings in the final report, the project is determined to be in the public interest.

3. The project functions and services cannot realistically be provided by any person, association or corporation engaged in private enterprise.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL II PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
DAM AND RESERVOIR DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Stateline Dam Enlargement**
LEVEL: II PHASE: II
SPONSOR: Bridger Valley Water Conservancy District
LOCATION: Mountain View, Wyoming
PROGRAM: Dams and Reservoirs
PROJECT MGR: Andrew Linch
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	65	2017	III	$300,000	2022

CURRENT CONTRACT:
Consultant
United States Bureau of Reclamation

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
15-WC-40-559	8-25-17	$294,536	$237,295.11	$57,240.89	N/A

PROJECT DESCRIPTION:

Stateline Dam has a total adjudicated storage capacity of 13,990 acre-feet and is part of the U.S. Department of Interior, Bureau of Reclamation's (Reclamation) "Lyman Project." Stateline Dam is one of two storage facilities operated by the Bridger Valley Water Conservancy District (District) and owned by Reclamation. The District also operates Meeks Cabin Dam which is located just west of Stateline Dam north of the Utah-Wyoming state line.

During the 2015 General Session, the District requested and received $600,000 for a feasibility study to analyze the enlargement of Meeks Cabin Dam. As previously approved by the WWDC, approximately half of this appropriation ($293,500) was used under a typical WWDC contract to conduct a Level II, Phase I Feasibility Study which consisted of hydrologic modeling, conservation and screening analysis, alternatives analysis, environmental analysis, preliminary geotechnical analysis, and economics analysis. The Level II, Phase I was a broad-based approach to determine if any fatal flaws existed that would halt the progress of an enlargement to the dam. The study was completed and the District was presented with project findings. The remaining 2015 appropriation was reserved to seek technical assistance from Reclamation to further consider enlarging Meeks Cabin Dam. This technical assistance with Reclamation was completed in September of 2019.

As stated, one component of the Meeks Cabin Level II, Phase I study was an alternatives analysis. To satisfy NEPA, alternatives to the enlargement of Meeks Cabin Dam were considered to determine the least

impactful alternative from a federal permitting and multipurpose perspective to serve the needs of the District. One such alternative was the enlargement of Stateline Dam. Results of the Meeks Cabin Level II study showed an enlargement of Meeks Cabin Dam to be the preferred alternative, but also that an enlargement of Stateline Dam could further reduce shortages within the District as it is able to serve additional lands that Meeks Cabin cannot.

During the 2017 General Session, the District requested and received $300,000 to seek technical assistance from Reclamation to further consider enlarging Stateline Dam and keep this project on track with the Meeks Cabin Dam Enlargement project. The technical assistance with Reclamation was provided through Task Order 2017-2 under the existing Technical Service Agreement 15-WC-40-559. The task order helped further refine the feasibility of enlarging the facility and included Project Management, Preliminary Design, Preliminary Risk Analysis, Value Planning Study, and Appraisal Level Alternatives tasks; all of which are requirements to modify a Reclamation owned facility. The Reclamation Risk Analysis draft report was prepared and reviewed by WWDO staff and the final report was completed in September 2019. However, since Reclamation considers this report to contain sensitive dam safety information, it was not published on the WWDC website.

PROJECT FINDINGS/RECOMMENDATIONS:

When evaluating risks associated with modifications to a Reclamation owned facility or changes to reservoir operations, Reclamation's Dam Safety Office typically requires a "risk neutral" condition. Raising the dam crest would increase the risk estimates for the static, hydrologic, and seismic failure modes identified by the risk analysis team as critical to Stateline Dam. To achieve a "risk neutral" condition, structural modifications to the facility would be required in addition to the dam raise. These include extending the existing chimney filter to the proposed dam crest height and rebuilding the two existing dikes as zoned earth embankments since they would be below the proposed water surface elevation. With the incorporation of these modifications, it appears that additional water storage in Stateline Reservoir would meet the "risk neutral" requirement. However, there are uncertainties with some of the risk estimates and prior to accepting an enlargement alternative, the risks would need to be better understood so that modifications to the facility could be properly designed. Therefore, Reclamation is proposing further study and field exploration to better define the scope of improvements. As such the originally budgeted Value Planning Study task was deferred and resulted in the contract savings amount show above.

Reclamation's estimated field construction cost for an 8-foot raise is $36M. Reclamation estimates that further studies may be able to significantly reduce these costs through value engineering analysis. However, the previous Level II, Phase I Feasibility Study estimate for the 8-foot enlargement was $3.9M with a benefit-cost ratio of 1.2:1. Even with value engineering analysis, Reclamation does not believe the cost estimates could be reduced such that they would be comparable to the previous estimate. Therefore, it is unlikely the benefit-cost ratio would be greater than one since it was already quite low to begin with.

The District has been kept up to date on project developments and was presented with project results from Reclamation in July 2020. The final construction cost estimate and updated economic information has been discussed with the District and they have submitted a letter to the WWDO expressing their thanks for the studies completed to date and stating they are not interested in moving forward with the project due to the increased costs. However, if conditions change in the future, they may be interested in pursuing the project then.

PUBLIC REPORT PRESENTATION HEARING: N

Date	Location	City/Town
7-15-20	BVWCD Office, 609 W. 3rd St.	Mountain View, WY

FINAL REPORT/EXECUTIVE SUMMARIES ONLINE:
Final Report: Please Contact the Water Development Office
Executive Summary: Please Contact the Water Development Office

WWDO RECOMMENDATION:
The WWDO recommends no further study of the Stateline Dam Enlargement Project.

WWDC PROPOSED MOTION:

I move acceptance of the Stateline Dam Enlargement Project as being complete and further, the WWDC makes the following findings relative to this project:

1. That the Commission recommend:
    - Terminating further consideration of the Stateline Dam Enlargement project.

FINAL PROJECT CLOSEOUT MEMO
FOR LEVEL I AND II PLANNING PROJECTS
WYOMING WATER DEVELOPMENT OFFICE
PLANNING DIVISION

The Planning Project listed below is complete and scheduled for closeout. This memo serves to summarize the findings of the final report and to document the final contract amount.

PROJECT: **Upper Wind River Instream Flows 2019**
LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Fremont County (near Dubois, WY)
PROGRAM: Instream Flow Studies
PROJECT MGR: Chace Tavelli
WWDC MTG DATE: October 8, 2021

AUTHORIZING LEGISLATION:
There is no authorizing legislation relative to the WWDC. This project was fully funded by the Wyoming Game and Fish Commission.

CURRENT CONTRACT:
Consultant
Biota Research and Consulting, Inc.

Contract Number	Executed	Original Contract Amount	Final Contract Amount	Contract Savings Amount	Expiration Date
05SC0298274	1-27-20	$64,400	$64,400	$ 0	6-30-22

PROJECT DESCRIPTION:
Per Wyo. Stat. § 41-3-1003 the Wyoming Game and Fish Commission (WGFC) identified five stream segments where instream flows were deemed critical. The segments for this study were Burroughs Creek, Middle Fork Long Creek, Sheridan Creek, Stonefly Creek, and West Fork Long Creek, all located in Fremont County, near Dubois, and all in the Wind River drainage. The WGFC, though the Wyoming Game and Fish Department (WGFD), studied and produced biological reports for each identified segment. The analyses completed in the biological reports aided the WGFC in identifying the points on the stream at which the need for instream flows begin and end, the time of year when the flows are most critical, and a detailed description of the minimum amount of water necessary to provide adequate instream flows to maintain or improve habitat for Yellowstone Cutthroat Trout. Said statute then requires the Wyoming Water Development Commission (WWDC) to file applications in the name of the State of Wyoming for permits to appropriate water for instream flows in those segments of streams recommended by the WGFC.

Per Wyo. Stat. § 41-3-1004(a), the WWDC is charged with determining the feasibility of providing instream flows for the recommended segments of streams from unappropriated direct flows from existing storage facilities, or from new storage facilities. This study meets that requirement.

PROJECT FINDINGS/RECOMMENDATIONS:
It was determined that the instream flows requested could not be satisfied by new storage because due to surplus flow limitations for some segments and economic viability for all of the segments. Two analyses were used to help determine the availability of unappropriated direct flows; a mean monthly unappropriated

direct flow analysis and an exceedance analysis. An exceedance of 20% or more is desired to ensure the water right is exercised once every five years which is consistent with Wyo. Stat. § 41-3-401(a). Per Wyo. Stat. § 41-3-1004(b), the following summaries provide the findings from the study. The bold and underlined values indicate a threshold has been achieved. Meeting a threshold means that there is a potential for an instream flow request to be satisfied during the specified time period. The threshold for unappropriated direct flow is a value equal to or greater than the instream flow request. The threshold for the exceedance analysis is a value of 20% or greater. The percent exceedance of the requested flow value is the percentage of time that the flows are equal to or greater than the instream flow request.

Burroughs Creek	Jan	Feb	Mar	Apr	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	4.0	4.0	4.0	4.0	23.0	23.0	23.0	4.1	4.1	4.1	4.0	4.0	4.0
Mean Monthly Unappropriated Direct Flow (cfs)	3.8	3.7	3.9	**6.5**	18.6	**30.2**	19.8	**12.0**	**7.7**	**5.9**	**5.4**	**4.6**	**4.0**
% Exceedance of Requested Flow (%)	**38**	**31**	**46**	**89**	**31**	**69**	**27**	**100**	**97**	**99**	**97**	**78**	**46**

Middle Fork Longs Creek	Jan	Feb	Mar	Apr	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	2.4	2.4	2.4	2.4	6.0	6.0	6.0	2.7	2.7	2.7	2.4	2.4	2.4
Mean Monthly Unappropriated Direct Flow (cfs)	0.8	0.7	0.8	1.7	**7.1**	**14.1**	**7.8**	**3.9**	2.0	1.4	1.3	1.1	0.8
% Exceedance of Requested Flow (%)	0	0	0	16	**53**	**93**	**59**	**72**	19	3	2	1	0

Sheridan Creek	Jan	Feb	Mar	Apr	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	6.5	6.5	6.5	6.5	16.0	16.0	16.0	6.8	6.8	6.8	6.5	6.5	6.5
Mean Monthly Unappropriated Direct Flow (cfs)	**8.5**	**8.4**	**8.6**	**10.2**	**21.6**	**41.0**	**23.2**	**14.7**	**11.0**	**9.8**	**9.5**	**9.0**	**8.6**
% Exceedance of Requested Flow (%)	**100**	**100**	**100**	**100**	**61**	**98**	**72**	**100**	**100**	**100**	**100**	**100**	**100**

Stonefly Creek	Jan	Feb	Mar	Apr	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Mean Monthly Unappropriated Direct Flow (cfs)	**0.16**	**0.15**	**0.16**	**0.21**	**0.59**	**1.54**	**0.65**	**0.34**	**0.23**	**0.19**	**0.18**	**0.17**	**0.16**
% Exceedance of Requested Flow (%)	**99**	**98**	**99**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**94**	**86**

West Fork Long Creek	Jan	Feb	Mar	Apr	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.9	1.9	1.9	1.9	4.0	4.0	4.0	2.7	2.7	2.7	1.9	1.9	1.9
Mean Monthly Unappropriated Direct Flow (cfs)	0.5	0.5	0.5	1.1	3.9	**7.4**	**4.3**	2.3	1.3	0.9	0.8	0.7	0.6
% Exceedance of Requested Flow (%)	0	0	0	10	**46**	**85**	**49**	**29**	3	0	1	0	0

PUBLIC REPORT PRESENTATION & STATE ENGINEER'S OFFICE HEARING: Y

Date	Location
6-9-21	Online

FINAL REPORT ONLINE:

Final Report: http://library.wrds.uwyo.edu/instream_flow/Upper_Wind_River_Basin-Instream_Flow_Study_Level_I_Fremont_County_Wyoming-Final_Report-2021.html

WWDO RECOMMENDATION:

The WWDO recommends acceptance of the final report submittals and closing the consultant services contract. The completed study was forwarded to the Wyoming State Engineer's Office, Wyoming Board of Control Water Division III Superintendent's Office (Riverton), and the Wyoming Game & Fish Department.

WWDC PROPOSED MOTION:

I move acceptance of the Upper Wind River Instream Flows 2019; Level I Study project report as being complete.

THE STATE OF WYOMING
Water Development Office
6920 YELLOWTAIL ROAD TELEPHONE: (307) 777-7626 CHEYENNE, WY 82002

MEMORANDUM

DATE: October 8, 2021

TO: Wyoming Water Development Commission

FROM: George Moser, P.G., Groundwater Grant Program Manager

SUBJECT: Contract Amendment One
Melody Ranch I&SD Groundwater Exploration Grant

For WWDC consideration today is a Groundwater Exploration Grant Contract amendment to extend the expiration date an additional year.

The Melody Ranch I&SD (District) Groundwater Exploration Grant project includes drilling stratigraphic test boreholes to determine the presence/thickness of a deep sand within the Snake River/Flat Creek alluvial deposits. Two boreholes were drilled to evaluate the local stratigraphy during the winter of 2019/2020.

In April 2020, the District submitted a request to the WWDC for additional funding under the Groundwater Exploration Grant to drill a third well. Ultimately, the District withdrew the additional funding request. The District took additional time to evaluate their options and has decided to proceed with the original Level III Construction Project plans.

The current Groundwater Grant Contract expires on November 15, 2021. The extension is necessary to accommodate preparing the draft and final reports required under the Contract.

AMENDMENT ONE TO CONTRACT NO. 05SC0298222 BETWEEN THE WYOMING WATER DEVELOPMENT COMMISSION AND MELODY RANCH IMPROVEMENT AND SERVICE DISTRICT GROUNDWATER EXPLORATION GRANT

1. **Parties.** This Amendment is made and entered into by the Wyoming Water Development Commission [Commission], 6920 Yellowtail Road, Cheyenne, Wyoming 82002; and Melody Ranch Improvement and Service District [Sponsor], whose address is: P.O. Box 4337, Jackson, Wyoming 83001.

2. **Purpose of Contract.** This Amendment shall constitute the first amendment to the Contract between the Commission and the Sponsor. The purpose of this Amendment is to extend the term of the Contract through December 31, 2022.

   The original contract, dated November 19, 2019 required the Sponsor to acquire certain technical, professional, or contract services as required to construct a new public water system well for a total Contract amount of one hundred eighty-four thousand one hundred twenty-five dollars ($184,125.00) with an expiration date of November 15, 2021.

3. **Term of the Amendment.** This Amendment shall commence immediately upon the date the last required signature is affixed hereto, and shall remain in full force and effect through the term of the Contract, as amended, unless terminated at an earlier date pursuant to the provisions of the Contract, or pursuant to federal or state statute, rule or regulation.

4. **Amendment.**

   A. The second sentence of Section 3 of the original Contract is hereby amended to read as follows:

      "The term of this Contract is from the Effective Date through December 31, 2022."

5. **Amended Responsibilities of the Sponsor.**

   Responsibilities of the Sponsor have not changed.

6. **Amended Responsibilities of the Commission.**

   Responsibilities of the Commission have not changed.

7. **Special Provisions.**

   A. **Same Terms and Conditions.** With the exception of items explicitly delineated in this Amendment, all terms and conditions of the original Contract, and any previous amendments, between the Commission and the Consultant, including but

not limited to sovereign immunity, shall remain unchanged and in full force and effect.

B. Counterparts. This Amendment may be executed in counterparts. Each counterpart, when executed and delivered, shall be deemed an original and all counterparts together shall constitute one and the same Amendment. Delivery by the Consultant of an originally signed counterpart of this Amendment by PDF shall be followed up immediately by delivery of the originally signed counterpart to the Commission.

8. General Provisions.

A. Entirety of Contract. The Original Contract, consisting of thirteen (13) pages and Attachment A, Scope of Services, consisting of fifteen (15) pages; and this Amendment One, consisting of three (3) pages represent the entire and integrated Contract between the parties and supersede all prior negotiations, representations, and agreements whether written or oral.

THE REMAINDER OF THIS PAGE WAS INTENTIONALLY LEFT BLANK

9. **Signatures**. The parties to this Amendment, either personally or through their duly authorized representatives, have executed this Amendment on the dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this Amendment.

This Amendment is not binding on either party until approved by A&I Procurement and the Governor of the State of Wyoming or his designee, if required by Wyo. Stat. § 9-2-1016(b)(iv).

WYOMING WATER DEVELOPMENT COMMISSION:

_____ _____

Clinton Glick, Chairman — Date

_____ _____

Ronald E. Kailey, Jr., Secretary — Date

MELODY RANCH IMPROVEMENT AND SERVICE DISTRICT:

_____ _____

Bob Hammond, P.E.
Chairman-Board of Directors — Date

ATTORNEY GENERAL'S OFFICE: APPROVAL AS TO FORM

Meg Pope #21318 — 9/14/21

Megan Pope, Senior Assistant Attorney General — Date

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Cowley Tank 2017 **SPONSOR:** Town of Cowley

PROJECT DESCRIPTION: Design and construction 500k Gallon Water tank appurtenances to make the project function in the manner intended

WWDC MANAGER: Jason Fernandez

FUNDING

WWDC Appropriation:	$ 3,155,700.00	67.0%	WWDC Account:	I
WWDC Grant Amount:	$ 3,155,700.00	67.0%	Session Law:	2017
WWDC Loan Amount:	$ -	0.0%	Reversion Date:	1-Jul-22
Funding Source #2:	SRF			
Amount:	$ 1,379,300.00	29.3%		
Sponsor Funding Source #3:	Town Of Cowley			
Amount:	$ 100,000.00	2.1%		
Sponsor Funding Source #4:	MRG			
Amount:	$ 75,000.00	1.6%		
Total Project Budget:	$ 4,710,000.00	100.0%		

ENGINEERING

Engineer:	Morrison-Maierle	Agreement Date:	Apr-10-2018
Design Fee:	$ 374,225.00		
Construction Fee:	$ 273,750.00		
Total Fee:	$ 667,986.09		

CONSTRUCTION

Bid Opening Date:	May-30-2018	Number of Bids:	3
Low Bidder:	JR Civil, LLC	Range of Bids:	3.5 - 4.3 Million
Engineer's Estimate:	$ 3,464,485.53	Agreement Date:	Jul-10-2019
Contractor Amount:	$ 3,182,187.89	Construction Time:	360 days

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$ -

PROJECT CLOSEOUT

Final Project Cost:	$ 3,850,173.98	Date:	Apr-01-2021
WWDC Funding Share:	$ 2,574,736.03		
Other Funding Sources:	$ 1,275,437.95		
WWDC Reverted Funding:	$ 580,963.97		

PROJECT STATUS

Project is complete and closing out

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Wheatland Wells 2017 **SPONSOR:** Town of Wheatland

PROJECT DESCRIPTION: Drill two replacement wells, each aproximately 600 feet deep; two new wellhouses; pipelines to connect the new wells to the transmission system; and abandinment of old wells.

WWDC MANAGER: William Brewer

FUNDING

WWDC Appropriation:	$ 994,950.00	67.0%	WWDC Account:	I
WWDC Grant Amount:	$ 994,950.00	67.0%	Session Law:	2017
WWDC Loan Amount:	$ -	0.0%	Reversion Date:	Jul-01-2022

Funding Source #2:	Town of Wheatland	
Amount:	$ 490,050.00	33.0%
Total Project Budget:	$ 1,485,000.00	100.0%

ENGINEERING

Engineer:	Engineering Associates	Agreement Date:	Oct-17-2017
Design Fee:	$ 82,590.00		
Construction Fee:	$ 97,118.53		
Total Fee:	$ 179,708.53		

CONSTRUCTION

Phase 1 - Wells

Bid Opening Date:	Nov-29-2018	Number of Bids:	4
Low Bidder:	D.C. Drilling, Inc.	Range of Bids:	$429K to $757K
Engineer's Estimate:	$ 544,050.00	Agreement Date:	Jan-10-2019
Contractor Amount:	$ 447,525.50	Construction Time:	120 days

Phase 2 - Pipelines and Well Houses

Bid Opening Date:	Nov-21-2019	Number of Bids:	6
Low Bidder:	High Plains Construction	Range of Bids:	$597K to $1.296K
Engineer's Estimate:	$ 725,000.00	Agreement Date:	Dec-11-2019
Contractor Amount:	$ 631,989.52	Construction Time:	150 days

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$ 31,707.22

PROJECT CLOSEOUT

Final Project Cost:	$ 1,290,930.77	Date:	Feb-23-2021
WWDC Funding Share:	$ 864,923.62		
Other Funding Sources:	$ 426,007.15		
WWDC Reverted Funding:	$ 130,026.38		

PROJECT STATUS

Work completed and the new wells are in service.

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT
August-2016

PROJECT: Douglas Box Elder Spring - Phase I & II **SPONSOR:** City of Douglas

PROJECT DESCRIPTION: Design and construction of a springhouse and design and construction of a 16" transmission pipeline that is approximatley 16 miles long.

WWDC MANAGER: William Brewer

FUNDING

WWDC Appropriation:	$	9,447,000.00		WWDC Account:	I
WWDC Grant Amount:	$	9,447,000.00	67.0%	Session Law:	2011/2016/2018
WWDC Loan Amount:	$	-	0.0%	Reversion Date:	7/1/2021
Funding Source #2:	City of Douglas				
Amount:	$	4,653,000.00	33.0%		
Total Project Budget:	$	14,100,000.00	100.0%		

ENGINEERING

Phase I

Engineer:	CEPI		Agreement Date:	Nov-10-2011
Design Fee:	$	165,000.00		
Construction Fee:	$	92,400.00		
Total Fee:	$	257,400.00		

Phase II

Engineer:	CEPI		Agreement Date:	Jul-27-2015
Design Fee:	$	541,320.00		
Construction Fee:	$	689,113.49		
Total Fee:	$	1,230,433.49		
Phase I & II	$	1,487,833.49		

CONSTRUCTION

Phase I - Spring House

Bid Opening Date:	Mar-12-2016		Number of Bids:	1
Low Bidder:	Russell Construction Company		Range of Bids:	$858K
Engineer's Estimate:	$	735,775.00	Agreement Date:	Mar-16-2016
Contractor Bid Amount:	$	943,289.00	Construction Time:	90 Days

Phase II - Transmision Pipeline

Bid Opening Date:	Nov-13-2018		Number of Bids:	7
Low Bidder:	Mountain View Builders, Inc.		Range of Bids:	$7.9 to 11.0 M
Engineer's Estimate:	$	10,300,000.00	Agreement Date:	Nov-27-2018
Contractor Bid Amount:	$	7,522,143.03	Construction Time:	18 mounths
Phase I & II	$	8,465,432.03		

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$	80,291.21

PROJECT CLOSEOUT

Total Project Cost:	$	10,033,556.73	Date:	Jun-21-2021
WWDC Funding Share:	$	6,722,483.02		
WWDC Reverted Funding:	$	2,724,516.98		

PROJECT STATUS

The Project is complete and fully functioning.

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT
November-2016

PROJECT: Casper Zone II 2015 **SPONSOR:** City of Casper

PROJECT DESCRIPTION: Design and construction of a transmission pipeline and appurtencces necessary to make the project function.

WWDC MANAGER: William Brewer, P.E., P.G.

FUNDING

WWDC Appropriation:	$ 1,728,600.00		WWDC Account:	ACCOUNT I
WWDC Grant Amount:	$ 1,728,600.00	67.0%	Session Law:	2015
WWDC Loan Amount:	$ -	0.0%	Reversion Date:	7/1/2020
Funding Source #2:	City of Casper			
Amount:	$ 851,400.00	33.0%		
Total Project Budget:	$ 2,580,000.00	100.0%		

ENGINEERING

Engineer:	WLC	Agreement Date:	Aug-02-2016
Design Fee:	$ 153,227.21		
Construction Fee:	$ 145,509.64		
Total Fee:	$ 298,736.85		

CONSTRUCTION

Bid Opening Date:	May-14-2019	Number of Bids:	7
Low Bidder:	Treto Construction	Range of Bids:	$1.2 to 1.6M
Engineer's Estimate:	$ 1,508,165.00	Agreement Date:	Jul-16-2019
Contractor Amount:	$ 1,148,509.53	Construction Time:	140 Days

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$ 36,582.33

PROJECT CLOSEOUT

Final Project Cost:	$ 1,483,828.71	Date:	Sep-30-2020
WWDC Funding Share:	$ 994,165.24		
Other Funding Sources:	$ 489,663.47		
WWDC Reverted Funding:	$ 734,434.80		

PROJECT STATUS

The Project is complete and operational.

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Bluff/Upper Bluff System Improvemnts 2019

SPONSOR: Bluff/Upper Bluff Irrigation District

PROJECT DESCRIPTION: This project replaces two aging pumps in Pumping Plant No. 1 with new pumps and variable frequency drives (VFDs).

WWDC MANAGER: Jason Fernandez

FUNDING

WWDC Appropriation:	$	291,000.00	79.5%	WWDC Account:	II
WWDC Grant Amount:	$	245,220.00	67.0%	Session Law:	2019
WWDC Loan Amount:	$	45,780.00	12.5%	Reversion Date:	July 1 2024
Funding Source #2:	Smart Water				
Amount:	$	75,000.00	20.5%		
Total Project Budget:	$	366,000.00	100.0%		

ENGINEERING

Engineer:	Western Heritage		Agreement Date:	April 24 2019
Design Fee:	$	38,575.00		
Construction Fee:	$	21,400.00		
Total Fee:	$	50,600.00		

CONSTRUCTION

Bid Opening Date:	Novemember 27 2019		Number of Bids:	2
Low Bidder:	Copper Mountain Irrigation LLC		Range of Bids:	228K-361K
Engineer's Estimate:	$	225,200.00	Agreement Date:	December 11 2019
Contractor Amount:	$	216,695.00	Construction Time:	3 months

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$	-

PROJECT CLOSEOUT

Final Project Cost:	$	267,295.00	Date:	Jul-13-2021
WWDC Funding Share:	$	212,526.26		
Other Funding Sources:	$	54,768.74		
WWDC Reverted Funding:	$	78,473.74		

PROJECT STATUS

This project completed and closed out.

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Casper Alcova Underdrain 2016 **SPONSOR:** Casper Alcova Irrigation District

PROJECT DESCRIPTION: Design and Construction of a drainage structure under the main canal.

WWDC MANAGER: Jason Fernandez

FUNDING

WWDC Appropriation:	$	369,840.00	67.0%	WWDC Account:	II
WWDC Grant Amount:	$	369,840.00	67.0%	Session Law:	55
WWDC Loan Amount:	$	-	0.0%	Reversion Date:	July 1 2021
Funding Source #2:	Casper Alcova Irrigation District				
Amount:	$	182,160.00	33.0%		
Total Project Budget:	$	552,000.00	100.0%		

ENGINEERING

Engineer:	WLC Engineering, Surveying and		Agreement Date:	Jul-01-2016
Design Fee:	$	23,100.00		
Construction Fee:	$	23,300.00		
Total Fee:	$	24,589.02		

CONSTRUCTION

Bid Opening Date:	Dec-21-2016		Number of Bids:	7
Low Bidder:	Andreen Hunt Construction		Range of Bids:	188k-342k
Engineer's Estimate:	$	279,299.43	Agreement Date:	Dec-26-2016
Contractor Amount:	$	197,960.00	Construction Time:	11/30/2017

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$	407.54

PROJECT CLOSEOUT

Final Project Cost:	$	222,956.56	Date:	May-17-2021
WWDC Funding Share:	$	149,380.90		
Other Funding Sources:				
WWDC Reverted Funding:	$	220,459.10		

PROJECT STATUS

This project is completed and closed out.

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Midvale Irrigation District Rehabilitation 2018

SPONSOR: Midvale Irrigation District

PROJECT DESCRIPTION: Design and construction of both 27.0B (1.2 miles of 36") and 31.7(.8 mile of 24") lateral pipelines and appurtenances to make the projects function in the manner intended

WWDC MANAGER: Jason Fernandez

FUNDING

WWDC Appropriation:	$ 995,000.00		WWDC Account:	II
WWDC Grant Amount:	$ 995,000.00	100.0%	Session Law:	2018
WWDC Loan Amount:	$ -	0.0%	Reversion Date:	1-Jul-23
	WWDC reimburses Sponsor for 100% of invoiced materials costs only			
Funding Source #2:	Sponsor is responsibloe for project Labor, Equipment and Engineering			
Total Project Budget:	$ 995,000.00	100.0%		

ENGINEERING

Engineer:	APEX Surveying Inc	Agreement Date:	N/A
Design Fee:	N/A		
Construction Fee:	N/A		
Total Fee:	$ -	Sponsor's responsibility	

CONSTRUCTION

Bid Opening Date:	Sep-13-2018	Number of Bids:	2
Low Bidder:	Waterworks, Fergusan	Range of Bids:	$482k to 494K
Engineer's Estimate:	$ 499,458.50	Agreement Date:	N/A
Contractor Amount:	$ 482,385.00	Construction Time:	N/A
Bid Opening Date:	Sep-13-2018	Number of Bids:	2
Low Bidder:	Big Horn Trucking	Range of Bids:	
Engineer's Estimate:	$ 58,687.00	Agreement Date:	N/A
Contractor Amount:	$ 47,205.73	Construction Time:	N/A
Bid Opening Date:	Dec-21-2018	Number of Bids:	4
Low Bidder:	Big Horn Trucking	Range of Bids:	$173k to 192K
Engineer's Estimate:	$ 307,616.00	Agreement Date:	N/A
Contractor Amount:	$ 190,057.91	Construction Time:	N/A

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$ 6,659.00

PROJECT CLOSEOUT

Final Project Cost:	$ 726,307.64	Date:	Aug-18-2021
WWDC Funding Share:	$ 726,307.64		
Other Funding Sources:			
WWDC Reverted Funding:	$ 268,692.36		

PROJECT STATUS

project is complete

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Heart Mountain I.D. Rehab 2018 **SPONSOR:** Heart Mountain Irrigation District

PROJECT DESCRIPTION: Design and construction of a replacement concrete and rebar liner system for an main irrigation canal.

WWDC MANAGER: William Brewer, P.E., P.G.

FUNDING

WWDC Appropriation:	$ 2,700,000.00	WWDC Account:	II
WWDC Grant Amount:	$ 1,809,000.00	Session Law:	2018
WWDC Loan Amount:	$ 891,000.00	Reversion Date:	Jul-01-2023
Total Project Budget:	$ 2,700,000.00		

ENGINEERING

Engineer:	J-U-B Engineers	Agreement Date:	May-14-2019
Design Fee:	$ 184,030.00		
Construction Fee:	$ 207,243.15		
Total Fee:	$ 391,273.15		

CONSTRUCTION

Bid Opening Date:	Oct-29-2019	Number of Bids:	1
Low Bidder:	S&S Builders	Range of Bids:	$ 2,259,592.00
Engineer's Estimate:	$ 1,736,642.00	Agreement Date:	Nov-01-2019
Contractor Amount:	$ 2,297,584.89	Construction Time:	150 Days

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$ 2,899.36

PROJECT CLOSEOUT

Final Project Cost:	$ 2,691,757.40	Date:	May-26-2021
WWDC Funding Share:	$ 1,685,645.38		
Other Funding Sources:	$ 1,006,112.02		
WWDC Reverted Funding:	$ 1,014,354.62		

PROJECT STATUS

This project is closed and fully functional. The District obtained other funding so the entire loan will be reverted as well as a portion of the grant.

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Casper CY Booster Station Replacement

SPONSOR: City of Casper

PROJECT DESCRIPTION: Design and construction of pumping facilities and appurtances nessesary to make project function in the manner intended.

WWDC MANAGER: William Brewer

FUNDING

WWDC Appropriation:	$	1,495,910.00	67.0%	WWDC Account:	II
WWDC Grant Amount:	$	1,495,910.00	67.0%	Session Law:	2017 & 2019
WWDC Loan Amount:	$	-	0.0%	Reversion Date:	2022
Funding Source #2:	City of Casper				
Amount:	$	736,791.49	33.0%		
Total Project Budget:	$	2,232,701.49	100.0%		

ENGINEERING

Engineer:	CEPI		Agreement Date:	Nov-08-2017
Design Fee:	$	90,000.00		
Construction Fee:	$	90,000.00		
Total Fee:	$	180,000.00		

CONSTRUCTION

Bid Opening Date:	Feb-27-2020		Number of Bids:	4
Low Bidder:	High Plains Construction		Range of Bids:	$1.9M to $2.3M
Engineer's Estimate:	$	1,662,900.00	Agreement Date:	Mar-17-2020
Contractor Amount:	$	1,921,068.00	Construction Time:	415 Days

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$	12,495.84

PROJECT CLOSEOUT

Final Project Cost:	$	2,113,563.84	Date:	
WWDC Funding Share:	$	1,416,087.79		
Other Funding Sources:	$	697,476.05		
WWDC Reverted Funding:	$	79,822.21		

PROJECT STATUS

This project is completed and closed out. This project included an original allocation of $852,910 and a Sponsors Contingency allocation of $643,000.00. The $79,822.21 reversion will go to the Sponsors Contingency Fund.

WYOMING WATER DEVELOPMENT COMMISSION
LEVEL III CONSTRUCTION REPORT

PROJECT: Eden Valley Farson Project **SPONSOR:** Eden Valley Irrigation and Drainage District

PROJECT DESCRIPTION: Irrigation system improvements

WWDC MANAGER: William Brewer

FUNDING

WWDC Appropriation:	$ 3,076,000.00	59.0%	WWDC Account:	Account II
WWDC Grant Amount:	$ 3,076,000.00	59.0%	Session Law:	2013
WWDC Loan Amount:	$ 200,000.00	0.0%	Reversion Date:	2021
Funding Source #2:	BSP			
Amount:	$ 2,024,413.00	41.0%		
Total Project Budget:	$ 5,300,413.00	100.0%		

ENGINEERING

Engineer:	JUB Engineers	Agreement Date:	Sep-08-2016
Design Fee:	$ 340,000.00		
Construction Fee:	$ 365,000.00		
Total Fee:	$ 705,000.00		

CONSTRUCTION

Bid Opening Date:	Aug-08-2019	Number of Bids:	6
Low Bidder:	$ 3,845,791.30	Range of Bids:	$3.8-$6.6M
Engineer's Estimate:	$ 3,958,000.00	Agreement Date:	Aug-08-2019
Contractor Amount:	$ 3,855,929.70	Construction Time:	214

MISCELLANEOUS COSTS (Easements, Permits, Title Of Opinion, Title Search etc.)

Misc. Costs	$ 249,886.28	

PROJECT CLOSEOUT

Final Project Cost:	$ 4,810,815.98	Date:
WWDC Funding Share:	$ 2,839,861.93	
Other Funding Sources:	$ 1,970,954.05	
WWDC Reverted Funding:	$ 236,138.07	

PROJECT STATUS

The Project was completed in the summer of 2020 and is now closed out. The Sponsor also secured Basin States grant funds which covered 41% of the project budget, the WWDC Grant was reduced from 67% to 59% and the WWDC loan was not used.

2021 WWDC/SWC MEETING SCHEDULE
(Oct. 2020)

Date	Day	Program Item
MARCH		
March 18, 2021	**Thursday**	**WWDC Workshop (Cheyenne)**
March 19, 2021	**Friday**	**WWDC Meeting (Election of Officers, Level I, II III, SWPP Contract Approval)**
MAY		
May 12, 2021	**Wednesday**	**New Commissioner Orientation (Cheyenne)**
May 13, 2021	**Thursday**	**WWDC/SWC Workshop (Cheyenne)**
May 14, 2021	**Friday**	**WWDC/SWC Joint Meeting, (New Level I & II Apps Review/Approval, SRF-IUP)**
AUGUST		
August 11-13, 2021	**Wed-Fri**	**WWDC/SWC Workshop/Summer Tour/Meeting (TBD)**
OCTOBER		
October 5-7, 2021	**Tues-Thurs**	**Consultant Selection Interviews (Cheyenne)**
October 8, 2021	**Friday**	**WWDC Meeting, Selection Approval (Cheyenne)**
NOVEMBER		
November 8, 2021	**Monday**	**WWDC/SWC Workshop (Casper)**
November 9-10, 2021	**Tues-Wed**	**WWDC/SWC Joint Meeting (Preliminary Funding Recs prior to WyoLeg) (Casper)**

2022 WWDC/SWC MEETING SCHEDULE
(Sept 2021)

Date	Day	Program Item
JANUARY		
January 25-26, 2022	**Tues-Wed**	**WWDC Workshop/Meeting (Final Funding Recs, Review draft bills) (Cheyenne)**
January 27, 2022	**Thursday**	**Select Water Committee Meeting (Review draft bills) (Cheyenne)**
MARCH		
March 15, 2022	**Tuesday**	**WWDC Workshop (Cheyenne)**
March 16, 2022	**Wednesday**	**WWDC Meeting (**Election of Officers, Level I, II III, SWPP contract approval
MAY		
May 11, 2022	**Wednesday**	**WWDC/SWC Workshop (Cheyenne)**
May 12, 2022	**Thursday**	**WWDC/SWC Joint Meeting, (**New Level I & II Apps Review/Approval, SRF-IUP)
AUGUST		
August 9-11, 2022	**Tues-Thur**	**WWDC/SWC Workshop/Summer Tour/Meeting (TBD)**
OCTOBER		
October 3-5, 2022	**Mon-Wed**	**Consultant Selection Interviews (Cheyenne)**
October 6, 2022	**Thursday**	**WWDC Meeting, Selection Approval (Cheyenne)**
NOVEMBER		
November 1, 2022	**Tuesday**	**WWDC/SWC Workshop (Casper)**
November 2-3, 2022	**Wed-Thurs**	**WWDC/SWC Joint Meeting (Preliminary Funding Recs prior to WyoLeg) (Casper)**

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DECEMBER

December 13-14, 2022	**Tues-Wed**	**WWDC Workshop/Meeting – Review draft bills (Cheyenne)**
December 15, 2022	**Thurs**	**SWC – Review draft bills (Cheyenne)**

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