# 2021 LEGISLATIVE REPORT

Dull Knife Reservoir

# WYOMING WATER DEVELOPMENT COMMISSION

# 2021 LEGISLATIVE REPORT
# WYOMING WATER DEVELOPMENT PROGRAM

**Wyoming Water Development Commission (029)**
**http://wwdc.state.wy.us**
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**6920 Yellowtail Road**
**Cheyenne, Wyoming 82002**

**December 2021**

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# WYOMING WATER DEVELOPMENT PROGRAM

# CHAPTER 1 - WYOMING WATER DEVELOPMENT PROGRAM

## I. Introduction

### A. Vision

We envision a Wyoming where people can develop the skills needed to seize the opportunities to live their individual dreams; a Wyoming where people enjoy an environment free from contaminants and secure from harm; a Wyoming where people can attain a quality standard of living; and a Wyoming where people can enjoy the benefits of our bountiful resources and natural beauty.

### B. Philosophy

The Wyoming Water Development Program was founded on the sound philosophy of utilizing a portion of the income the state receives from the development and use of its non-renewable resources, such as coal, oil and gas, to develop and manage a renewable resource, water. One way in which water resource management is achieved is by evaluating development and rehabilitation strategies, and selecting the best alternatives for constructing new or rehabilitating existing infrastructure. In this manner, the Wyoming Water Development Program will ensure the delivery of water to Wyoming citizens in an economical and environmentally responsible manner. Sound water planning and use will preserve Wyoming's water entitlements and will promote the effective and efficient use of the state's water resources.

### C. Contribution to Wyoming Quality of Life

This agency contributes to the quality of life by addressing the water resources needs of our citizens through the construction of new water supply projects and the rehabilitation of existing water supply projects. As a result, Wyoming's water resources are managed, developed, and maintained for the enjoyment and beneficial use of current and future generations of Wyoming. The Wyoming Water Development Program benefits the entire population, as well as all visitors to the state, by providing and maintaining adequate water supplies and planning for future needs.

## II. Duties and Responsibilities

Each year precipitation events and runoff generate an average of 15 million acre-feet of surface water within the State of Wyoming. An additional 2 million acre-feet of stream flow originates from other states. Wyoming is entitled, under the various interstate river compacts and court decrees, to use or consume approximately 6 million acre-feet per year. Presently, the state uses 3 million acre-feet of surface water per year. Therefore, approximately 3 million acre-feet of surface water remains available for Wyoming's future use. Of this available water, approximately 2.5 million acre-feet is in the Wind/Big Horn River Basin.

Water availability is a key ingredient for development of a stable Wyoming economy. Implementation of water management opportunities provides short-term economic benefits to the state in the form of jobs, increased material and equipment sales, improved recreational and hunting and fishing opportunities, and other indirect benefits to local and state economies.

### A. Water Resource Development

In 1977, the revenue sources that fund the New Development Program were established. In 1982, the Governor proposed and the legislature implemented the framework for the present Water Development Program. In 1983, the revenue streams that fund the Rehabilitation Program were established. Since 1983 the program's water resource management activities have evolved to the following:

#### 1. New Development Program

The New Development Program provides planning services and construction funds for the infrastructure necessary to supply unused and/or unappropriated water to meet the present and future needs of Wyoming and its citizens. Water supply and storage facilities such as small dams,

diversion structures, groundwater wells and transmission pipelines are eligible for assistance under the New Development Program. The New Development Program is dedicated to the efficient and timely management of water resources, consistent with state policy, Wyoming water laws, and the desires of the citizens of the state. The criteria for scheduling new development projects is based on the general philosophy that effective beneficial use of Wyoming's water will ensure its preservation for use by Wyoming residents.

A project sponsor may be a municipality, irrigation district, or other approved assessment district who is a major beneficiary of the project. Sponsors request project specific technical and financial assistance from the Wyoming Water Development Commission (WWDC) through the application process. If the Commission approves the application, the project is assigned a study level. If the project is determined to be technically and economically feasible and comports with program funding criteria, the Commission may recommend construction funding be appropriated by the legislature. The project sponsor must be willing and capable of financially supporting a percentage of the project development costs plus all operation and maintenance costs. The actual loan/grant mix is based on WWDC funding criteria.

2. Rehabilitation Program

The Rehabilitation Program provides funding assistance for the improvement of water projects completed and in use for at least fifteen (15) years. Improvements to ensure dam safety, rehabilitate existing facilities, decrease operation and maintenance costs, promote water conservation, or provide a more efficient means of using existing water supplies may be funded by the Rehabilitation Program. The program ensures that existing water supplies and supply systems remain effective and viable.

Rehabilitation projects are initiated by an application from a project sponsor. If the application is deemed feasible and approved, the project is assigned a study level and may proceed through construction. The project sponsor must be willing and capable of financially supporting all operation and maintenance costs as well as a percentage of the project rehabilitation costs. The actual loan/grant mix is based on WWDC funding criteria.

3. Dam and Reservoir Program

In 2005, the legislature authorized funding for a new program within the Wyoming Water Development Office. The purpose of the program is to concentrate on the identification, evaluation, permitting, and construction of new dams with a storage capacity of 2,000 acre-feet or more and proposed expansions of existing dams of 1,000 acre-feet or more.

The Dam and Reservoir Division within the Wyoming Water Development Office administers this program. The division also serves to assist the Director in the management of the state's water investments.

B. Water Resource Management and Planning

1. Water Investment Management

The Wyoming Water Development Office (WWDO), through the Commission, manages the state's water investments. Water Investment Management accounts were established by W.S. 99-99-1001 to ensure the state's operation, maintenance, replacement, mitigation, and contract obligations are met in an effective and timely manner for each designated facility. The WWDO markets the water made available by these investments to industries, municipalities, and irrigators. Any revenues received from these investments are deposited into the respective account. A detailed transaction activity of each account is available upon request to the WWDO. A summary of the state's water investments follows:

| Account | Wyoming's Storage (Acre-Feet) | June 30, 2021 Account Balance |
|---|---|---|
| Fontenelle Reservoir | 120,000 | 3,971,411 |
| Buffalo Bill Dam | 187,940 | 19,387,790 |
| Palisades Reservoir | 33,000 | 548,327 |
| Miscellaneous Water Investment | 5,000 | 40,209 |
| High Savery Reservoir | 22,433 | 1,273,442 |
| Pathfinder Modification | 53,493 | 10,401,255 |
| Glendo Reservoir | 10,600 | 958,035 |
| Keyhole Reservoir | 0 | 0.00 |
| Lake DeSmet Reservoir/ Healy Reservoir | 62,199 / 5,140 | 1,975,442 |
| Middle Piney Reservoir | 4,201 | 526,188 |

As these accounts fund the corresponding dams and reservoirs, a sizeable balance is needed to manage contingencies when required. All of the dams and reservoirs for which the state has an obligation are high-hazard facilities, and aging dams and reservoirs may have increased obligations. Thus, it is critical to have the financial resources necessary to adequately maintain these reservoirs to ensure the continued benefits of these dams and reservoirs. Per statute, the Buffalo Bill Dam account may be used to meet the obligations for any of the other accounts.

On August 11, 2021, the WWDC reviewed the financial status and projections for each of the nine reservoir accounts to determine if any excess funds exist within the accounts as required by W.S. 99-99-1001(c). The WWDC concluded that there are no excess funds at this time and no further action is recommended.

The following is a brief description of each account:

Fontenelle Reservoir Account

- Legislative Authorization: Session Law (SL) 1989, Chapter (CH) 268
- Original Appropriation: $355,000
- Source of Funds: Water Development Account (WDA) II
- Typical Expenses: One loan repayment to the Bureau of Reclamation (BOR) and annual BOR operation and maintenance (O&M) charges.
- Typical Revenue: Wyoming has entered into four water service agreements with industrial users in the basin. The contracts have a readiness to serve charge, a proportionate share of O&M charges, and a water use charge. The industrial users have yet to use any order; thus, they have only been paying the readiness to serve and proportionate share of O&M charges.

Buffalo Bill Dam Account

- Legislative Authorization: SL 1989, CH 268
- Original Appropriation: $0
- Typical Expenses: Provide supplemental funding to other water investment accounts. To date, the BOR has not assessed any O&M charges because Wyoming has not entered into any water service agreements.
- Typical Revenue: Wyoming funded the upgrade to the hydropower plant and the Western Area Power Administration (WAPA) is making annual payments of $2,496,924 to WY as part of the funding agreement. The repayment of the WAPA obligation will be complete in 2030.

Palisades Reservoir Account

- Legislative Authorization: SL 1991, CH 18
- Original Appropriation: $65,000
- Source of Funds: Wyoming Game and Fish Department
- Typical Expenses: Annual BOR O&M charges
- Typical Revenue: Water sales to Idaho groundwater users

Miscellaneous Water Investment Account

- Legislative Authorization: SL 1993, CH 89
- Original Appropriation: $0
- Typical Expenses: In 2031, the State of Wyoming will be responsible for OM&R costs at Park Reservoir Dam per W.S. 99-99-504 (b) for 1,208 AF of stored water to maintain a minimum pool for fisheries (588 AF) and to augment stream flows (620 AF). At this time, the cost of this new OM&R charge is unknown.
- Typical Revenue: Investment Income and water sales derived from WWDC funded projects in which the sales are not directly designated to a WDA.

High Savery Reservoir Account

- Legislative Authorization: SL 2005, CH 48
- Original Appropriation: $0 – Once the High Savery Dam construction was completed, the remaining project funds ($723,640.77) from WDA I were transferred to the account.
- Typical Expenses: O&M charges and necessary replacement costs
- Typical Revenue: Water sales to downstream water users and land sublease payments

Pathfinder Modification Account

- Legislative Authorization: SL 2010, CH 68
- Original Appropriation: $2,250,000
- Source of Funds: WDA II
- Typical Expenses: Annual BOR O&M charges
- Typical Revenue: Water sales to municipalities and the PRRIP

Glendo Reservoir Account

- Legislative Authorization: SL 2011, CH 35
- Original Appropriation: $800,000
- Source of Funds: WDA I
- Typical Expenses: Annual BOR O&M charges and water purchases
- Typical Revenue: Investment income

Keyhole Reservoir Account

This account was never setup as Wyoming does not lease or own any space in the reservoir.

Lake DeSmet Reservoir Account

- Legislative Authorization: SL 2018, CH 115
- Original Appropriation: $2,000,000
- Source of Funds: WDA I
- Typical Expenses: O&M charges for Healy Reservoir and O&M charges for Lake DeSmet to Johnson County
- Typical Revenue: Water sales and investment income.

Middle Piney Reservoir Account

- Legislative Authorization: SL 2019, CH 55

- Original Appropriation: $500,000
- Source of Funds: WDA III
- Typical Expenses: O&M charges once construction is complete
- Typical Revenue: Investment income and water sales once construction is complete

Per Session Law 2006, Chapter 99, Section 6, the Platte River Basin Endangered Species account was created to fund the state of Wyoming's participation in the Platte River Recovery Implementation Program (PRRIP). An initial appropriation of six million dollars ($6,000,000) from Water Development Account I funded Wyoming's share of 3.21%. The state of Colorado's share is 12.82% and the Bureau of Reclamation's share is 83.97%. In Session Law 2018, Chapter 94, Section 7, an additional three million one hundred thousand dollars ($3,100,000) was appropriated to the account to fund the state of Wyoming's participation in a thirteen (13) year extension of the first increment of the PRRIP. A summary of Wyoming's investment for the PRRIP follows:

| Account | June 30, 2021 Account Balance |
|---|---|
| Platte River Basin Endangered Species | 7,182,556 |

In addition, the WWDC collects payments against outstanding project loans and monitors potential water sales from completed projects in which the state retained limited partnerships.

2. Instream Flow

The Water Development Commission has two roles relative to the instream flow law: one is assigned by statute; the other comes with serving as the water planning and development agency for the state.

a. W.S. 41-3-1004 assigns the Commission the responsibility to prepare feasibility reports for all instream flow permit applications. The reports are hydrological analyses of water availability in the reach of the stream to which the applications apply. The analyses also quantify existing water rights above and within these stream segments. If an application for an instream flow water right is approved by the State Engineer, the Commission becomes the permit holder of the subsequent water right.

b. As the water planning and development agency, the Commission will also review the instream flow requests to ensure that they do not conflict with future potential water development opportunities.

A total of 149 instream flow filings exist within the State of Wyoming. Each of these filings represents a separate instream flow segment. Out of these, 25 are in the preliminary application stage, 55 are currently permitted by the State Engineer's Office (SEO), 63 have been fully adjudicated, 5 represent an adjudicated SEO Board of Control petition, and 1 has been withdrawn. As of this date, the Water Development Office has completed a total of 52 hydrologic feasibility reports which have been submitted to the SEO. Currently, there are 2 active instream flow studies (Upper Wind River Instream Flows 2019, Rock Creek & Trail Ridge Creek Instream Flows 2020). There have been no new instream flow applications.

3. Water Related Research

Pursuant to W.S. 41-2-125, the Commission participates in research projects relative to contemporary water resource issues that are not necessarily project specific but that may influence water resource management in Wyoming. Many research projects gather information that is useful in addressing permitting issues, environmental problems, etc.

The Commission has developed working relationships with the University of Wyoming's Office of Water Programs, State Engineer's Office, and the U.S. Geological Survey to fund and conduct research on such water related issues as algae treatment strategies, measurement of consumptive use on irrigated lands, hydro-climatic analyses, and impacts of the bark beetle on the runoff.

4. Basin Wide Planning

The WWDC develops and updates basin-wide plans to identify water supply issues and water development opportunities. Planning studies have been completed for the Bear River Basin, Green River Basin, Northeastern Wyoming (Little Missouri, Belle Fourche, Cheyenne, and Niobrara River Basins), Powder/Tongue River Basins, Wind/Big Horn River Basin, Snake/Salt River Basins, and the Platte River Basin. In addition, the Wyoming Framework Water Plan was completed, which provides a statewide perspective of water resources.

5. Groundwater Grant Program

The 1981 Session of the Wyoming Legislature enacted W.S. 41-2-119 which authorized the Groundwater Grant Program. These funds are utilized for feasibility studies and exploration programs to evaluate the potential use of underground water. Municipalities, water and sewer districts, and service and improvement district areas are eligible to receive up to $400,000 in state funds as a grant but are required to provide 25% of total project costs in local matching funds. To date, $9,800,000 has been appropriated from Water Development Account I to the Program. Applications for Ground Water Grant funds are accepted anytime throughout the calendar year for consideration by the Commission.

6. Small Water Project Program

During the 2003 session, the legislature removed the pilot status of the program and authorized funding for the construction and rehabilitation of "small water projects" throughout the state. Water Development Program funding is limited to fifty percent (50%) of the actual project costs or a maximum grant of thirty-five thousand dollars ($35,000) per project, whichever is less. The WWDC was given the responsibility for developing program criteria and the authority to fund these small water projects. To date, $8,913,000 have been appropriated for the new development small water project program and $4,551,795 have been appropriated for the rehabilitation small water project program. New applications are due each January 1st and are reviewed by the Commission during its March meeting.

## III. Program Funding

A. Water Development Account I

The New Development Program is funded by Water Development Account I [W.S. 41-2-124(a)(i)] which has received direct appropriations from the general fund, receives revenues from the severance tax distribution account, and receives the accrued interest on the account's unspent balance. Legislative approval must be granted prior to allocating water development account funds to a particular project. Income from severance taxes, interest, and payments for outstanding loans ranges from $23,000,000 to $30,000,000 per year. The WWDC is committed to phase or delay projects to ensure its recommendations do not exceed available revenue in the account.

Water Development Account I also funds the following:

1. Agency budget-The agency budget for the Wyoming Water Development Office (WWDO) is $8,098,333 for the 2021-2022 biennium.

2. Starting in FY 2018, Water Development Account I funds are being used to fund Board of Control operations within the State Engineer's Office agency budget. This new funding obligation equates to $14,278,062 for the 2021-2022 biennium.

3. Water Resource Data System-The WWDO funds the UW Water Resource Data System within the agency budget at a cost of approximately $636,190 per biennium.

4. Water Related Research-The Wyoming Water Development Program invests approximately $285,000 per year on non-project specific water related research.

5. UW Office of Water Programs-The WWDC provides $175,000 per biennium to assist in the financing of the UW Office of Water Programs.

6. Basin Wide Planning-The Wyoming Water Development Program has expended over $7,000,000 on basin wide planning. All of the planning studies for the seven major drainage basins have been completed. When warranted, the WWDO continues to update and expand these plans. Current funding is being used to develop statewide water infrastructure information for future Level I and II projects.

7. Groundwater Grant Program-The legislature, at the request of the WWDC, has appropriated $9,800,000 for the program, which serves to finance groundwater exploration studies for cities, towns, improvement and service districts, and water and sewer districts.

8. Small Water Projects Program-The legislature has invested $8,913,000 in the new development component of the program.

9. DWSRF-By enacting W.S. 16-1-301, the legislature authorized the use of water development account I funds to meet federal matching grant requirements. The federal capitalization grant and the state's matching share are used to finance a "drinking water state revolving loan fund" (DWSRF) program. The DWSRF program may be used to fund improvements to water treatment systems and address other Safe Drinking Water Act compliance issues. This program is not included in the annual omnibus water bill or agency budget. Water Development program funds (approximately $1,152,779 per biennium) are appropriated by statute to match 10% of the federal capitalization grant.

10. Other-The Wyoming Legislature has periodically appropriated funds from the water development accounts to fund the operation of state government, special projects, and litigation. Examples include $656,008 per biennium to the Wyoming Department of Agriculture for TMDL programs, $102,953 per biennium to the State Engineer's Office for the endangered fish recovery program in the Colorado River Basin, and $35,002 per biennium to the Attorney General's Office to fund its support of the Board of Control Division within the State Engineer's Office.

B. Water Development Account II

The Rehabilitation Program is funded by Water Development Account II [W.S. 41-2-124(a)(ii)] which receives revenues from the severance tax distribution account and the interest accrued on the account's unspent balance. Legislative approval must be granted prior to allocating water development account funds to a particular project. Income from the severance taxes, interest, and payments for outstanding loans ranges from $5,000,000 to $8,000,000 per year. The WWDC is committed to phase or delay projects to ensure its recommendations do not result in overruns of the account.

Water Development Account II also funds the following:

1. Small Water Projects Program-The legislature has invested $4,551,795 in the rehabilitation component of the program.

2. Other-As of June 2021, over $15,700,000 has been expended from Water Development Account II for non-project purposes.

C. Water Development Account III

The 2005 Legislature created Water Development Account III, appropriated $10,000,000 from the Budget Reserve Account, and transferred $54,070,000 from Water Development Account I to Water Development Account III. In addition, the account receives revenues from the severance tax distribution account and the interest accrued on the account's unspent balance. Legislative approval must be granted prior to allocating water development account funds to a particular project. Income from severance taxes and interest is approximately $4,000,000 per year. In FY 2016, the Governor recommended and the Legislature approved a $10,000,000 diversion from this account to supplement the General Fund.

## IV. Program Operations

The State Engineer's Office of Water Planning Program originally staffed the Interdepartmental Water Conference, which was the predecessor to the Wyoming Water Development Commission and Office. In 1979, the Wyoming Water Development Commission (WWDC) was formed and an independent staff was developed. The Commission was created to streamline the administration of the program and make it more effective.

The statutory authority for the Wyoming Water Development Program is vested with the ten-member Wyoming Water Development Commission, which meets five to seven times per year. The program is administered through the Wyoming Water Development Office (WWDO), which includes a director and 24 staff members. Over the past five years, the commission and staff have overseen and administered expenditures averaging over $43 million dollars per year.

The Wyoming Legislature has periodically increased the responsibilities of the WWDC and WWDO. In 1986, the administration of the construction of water development projects was transferred from the Department of Economic Planning and Development (DEPAD) to the WWDC. Also in 1986, the legislature assigned the WWDC responsibilities with respect to the instream flow law. In 1991, the management of the state's water investments was transferred from the Economic Development and Stabilization Board to the WWDC. In 1992, the WWDO was legislatively created with the director appointed by the Governor.

The Wyoming Water Development Office encompasses four Divisions: Planning, Dam and Reservoir, Construction, and Administration. Each division has an administrator who reports to the Director of the Agency. The Director is responsible for the operation of the entire program, serves as the contact with the WWDC, Governor, and Legislature, and performs special assignments for the Governor.

Individual project administration is the priority of the WWDO. It is interesting to note that the number of projects within the program determines the staff workload, as opposed to the level of the appropriations. For example, administering a small project may be more time consuming than working on a larger project. The WWDC will continue to use up-to-date technology to reduce administrative costs and to produce state-of-the-art plans and projects.

The WWDC contracts with private sector consultants for the preparation of river basin plans and project technical studies, such as Level I Reconnaissance Studies and Level II Feasibility Studies. Further, the WWDC contracts with the project sponsors who serve as the lead entity during the Level III Construction process. The project sponsors use private sector consultants for preparation of project plans and specifications. They are also required to solicit bids or proposals from private contractors for project construction.

While the statutes pertaining to the Wyoming Water Development Program provide guidance and the framework for the program, they were intentionally meant to be very broad. The Wyoming Water Development Commission is responsible for developing the priorities, guidelines, and criteria for the program. The "Operating Criteria of the Wyoming Water Development Program" was developed by the WWDC in consultation with the Legislative Select Water Committee. The criteria are reviewed on an annual basis to ensure it directs the program in an efficient and effective manner, and continues to address the needs of Wyoming in a manner consistent with available program resources.

## V. Program Evolution

The following is a breakdown of total program expenditures from 1980 to June 2021 by Water Development Account (WDA) I, II, and III:

| | Percentage (%) of Total Expenditures | | |
|---|---|---|---|
| Sector | WDA I | WDA II | WDA III* |
| Multi-purpose | 10.6 | 4.3 | 32.2 |
| Agriculture | 9.1 | 52.8 | 35.1 |
| Municipal | 49.8 | 35.8 | 32.7 |
| Special Districts | 6.6 | 1.8 | - |
| Legal | 3.1 | 3.6 | - |
| Non-Project | 20.8 | 1.7 | - |

*Excludes the Gillette Madison Pipeline project expenditure of $16,415,000 as the funds were repaid to Account III.

Based on the program's history and projections into the future, the following conclusions can be made relative to the next five years:

A. The agricultural industry is concentrating on preserving irrigated acreage and reinforcing current resources rather than developing new infrastructure. The WWDC will continue to assist districts with replacing and repairing their existing infrastructure in a phased approach, commensurate with each district's master plan and available WWDC and sponsor funding. The agricultural projects that rely on federal storage projects can expect financial impacts caused by mandates relating to dam safety, water conservation, endangered species, and environmental protection. The WWDC will need to assist districts to address these issues.

B. Municipalities are concerned with both the quantity of water to supply for culinary, irrigation, and fire flow purposes, and also the quality of water to meet stringent EPA requirements. Further, as urban populations increase, the amount of water communities must supply for public health and welfare purposes must also increase. Municipalities need enough good quality water to meet their existing demands and the demands of the increasing number of subdivisions presently outside their corporate limits, as well as enough water to ensure future economic growth. The Wyoming Water Development Program has been responsive to the needs of Wyoming communities for the past 35 years, and while major municipal water supply projects have been funded, demands on the program for municipal purposes will continue for the next five years and beyond. The WWDC will continue to look at opportunities to develop and improve upon regional water supply systems to realize associated efficiencies.

C. Special districts that provide domestic water are faced with the same EPA requirements as municipalities. Subdivisions served by shallow wells sometimes experience water quality problems caused by septic and leach field systems. The long-term solution is to improve the municipal water supply systems to support solving the problems of the surrounding subdivisions. In the short term, it is apparent that the Wyoming Water Development Program will receive requests for funding assistance from special districts. However, the Water Development Program may not have sufficient resources to address all of the problems of the special districts. Therefore, those districts that are connecting to existing water supply

systems will likely be looked upon more favorably by the WWDC than those wishing to develop independent supplies.

D. Reservoir water storage has and continues to be an important tool for Wyoming to protect and utilize its precious water resources for the benefit of its citizens. As such, it will continue to be a significant element of the Water Development Program. Numerous projects to construct new storage reservoirs, enlarge existing facilities, and rehabilitate aging dam infrastructure have been completed by the program since its inception. The Buffalo Municipal project (Tie Hack Dam and Reservoir), Sheridan's Twin Lakes Enlargement, the Little Snake River Valley Dam and Reservoir project (High Savery), the Greybull Valley Irrigation District's Roach Gulch project and the Pathfinder Reservoir Modification project are the most recent new storage or enlargement projects.

There are reasons the number of storage projects in the Water Development Program are fewer than other projects. The first and foremost reason is cost. It is very difficult for a project sponsor to afford a storage facility even with the most favorable financing terms available. Second, the federal permitting process is more costly, time consuming, and restrictive than it was in 1982. For example, in 1985, the federal 404 permit for the Sulphur Creek Dam was obtained in nine months, at a cost of approximately $50,000. In 1996, after three and one-half years, the Town of Buffalo received the federal 404 Permit for Tie Hack Dam and Reservoir, a smaller and less complex project than the Sulphur Creek Dam. The actual costs related to permit acquisition were approximately $650,000. New federal requirements for wetlands mitigation, criteria involving purpose and need, and alternative analyses are the major reasons for the increased costs. The costs to secure the federal permits for the High Savery Dam exceeded $2,000,000 and took approximately 15 years to complete.

In response to these problems, the Dam and Reservoir Division was implemented to encourage local community sponsors to partner with the WWDC to construct new and enlarge existing storage facilities. The WWDC and Legislative Select Water Oversight Committee have developed more flexible funding criteria for dam and reservoir projects to make projects more affordable to sponsors. In order for a dam and reservoir project to be successful, communities need to be engaged, and a defensible purpose and need has to exist for the storage. Furthermore, the ancillary benefits of reservoirs need to be explored and implemented to maximize public benefit and allow for an affordable project.

The Dam and Reservoir Division, together with local community sponsors, multidisciplinary consulting teams and various other agencies, are engaged in a number of reservoir storage studies throughout the State. Considering the complexity of reservoir planning and construction, the Division takes a systematic approach in its evaluations. Through a planning process where each succeeding level of study adds and refines information, the Division strives to work with communities to identify unique needs and opportunities; understand watershed hydrology to determine water demand and availability; investigate the sciences at hand to address site feasibility, project benefit/impact and regulatory requirements; and ultimately design and construct reservoir storage. Governor Meads' Water Strategy, specifically Initiative #6, "Ten in Ten" project has placed additional emphasis on building new storage projects to support Wyoming's future needs.

E. In summary, the Wyoming Water Development Program adapted to meet the changing needs of the State of Wyoming and its citizens. However, the program continues to serve its founding principle: The effective and efficient use of water will preserve Wyoming's water for Wyoming's future.

At the same time, projects funded with appropriations from the water development accounts provide direct and indirect economic benefits throughout the state. As of July 1, 2021, there are projects with appropriations in excess of $534M in the Wyoming Water Development Program.

# LEGISLATIVE PROGRAM

# CHAPTER 2 - LEGISLATIVE PROGRAM

## I. Program Development Process

The Wyoming Water Development Commission (WWDC) utilizes the following process to generate funding recommendations for legislative consideration.

A. New Applications - The deadline for Level I and II project applications is the first of March. Upon receipt, new applications and supporting documentation are reviewed, and project sites are visited.

B. Existing Projects - Applications for Level III projects must be submitted on or before the first of September. Project reports are reviewed to determine whether the projects warrant advancement in the program.

C. Preliminary Recommendations - A joint meeting of the WWDC and Select Water Committee is held in November of each year. The Director of the Water Development Office offers funding recommendations for new and existing projects. The project sponsors are afforded the opportunity to address the WWDC and answer questions. The WWDC develops its preliminary funding recommendations. The Select Water Committee attends this meeting in preparation for its ultimate review and approval of the WWDC's final recommendations.

D. Public Meetings/Hearings - If a proposed Level I Reconnaissance Study or Level II Feasibility Study is of particular concern or controversy, the WWDC may solicit public input at a public meeting prior to finalizing its project recommendation. The Commission holds formal public hearings on all Level II studies and on any other Level III application for which a public hearing has not already been held.

E. Coordination with the Governor - The preliminary funding recommendations and a financial report addressing impacts to the water development accounts are presented to the Governor. The Governor may provide input throughout the recommendation process.

F. The Water Development Office in consultation with the Legislative Service Office drafts the preliminary "Omnibus" Planning and Construction bills using the WWDC preliminary recommendations from their November meeting. Level I and II projects are placed in the Omnibus Planning bill and Level III projects are placed in the Omnibus Construction bill.

G. Final Recommendations - The WWDC meets in December or early January to finalize its recommendations for new applications and existing projects. Sponsors and interested parties are afforded the opportunity to express their views. The final recommendations of WWDC are contained in the preliminary "Omnibus" Planning and Construction bills.

H. Select Water Committee - The committee is comprised of six (6) senators and six (6) representatives. It provides legislative oversight for the program and reviews and approves the funding recommendations developed by the WWDC. The committee's approval comes in the form of its willingness to sponsor the "Omnibus" Planning and Construction bills. The Select Water Committee meets to review and discuss the draft bills prior to the legislative session.

I. Legislative Process - The legislature must authorize the allocation of funds from the water development accounts to particular projects. This approval is solicited through the "Omnibus" Planning and Construction Bills, sponsored by the Select Water Committee.

## II. 2022 Preliminary Funding Recommendations:

### Summary-2022 Omnibus Water Bill-Planning Preliminary Recommendations

| Level I Projects-New Development | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Clarks Fork Upper Shoshone Watershed Study | Park | $396,000 | | |
| Dayton Water Master Plan | Sheridan | $167,000 | | |
| Riverton Regional Water Master Plan | Fremont | $256,000 | | |
| Subtotal | | $819,000 | | |

| Level II Projects-New Development | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Cloud Seeding: Operations Hydrological Assessment Medicine Bow & Sierra Madre Mountain Ranges | Albany & Carbon | $300,000 | | |
| Fontenelle Reservoir Storage | Lincoln & Sweetwater | $1,700,000 | | |
| LaGrange Groundwater Supply & Improvements | Goshen | $725,000 | | |
| Pavillion Groundwater Supply | Fremont | $687,000 | | |
| Subtotal | | $3,412,000 | | |

| Level I Projects-Rehabilitation | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Critical Aging Irrigation Infrastructure Assessment | Statewide | | $500,000 | |
| West Afton/Nield String Master Plan | Lincoln | | $88,000 | |
| Subtotal | | | $588,000 | |

| Level II Projects-Rehabilitation | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Dowlin Diversion Rehabilitation | Albany | | $110,000 | |
| Subtotal | | | $110,000 | |

| General | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| UW Office of Water Programs | Statewide | $175,000 | | |
| UW Water Research Program | Statewide | $536,384 | | |
| Subtotal | | $711,384 | | |

| Amendments to Prior Appropriations | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Little Wind River Storage Study, Phase II | Fremont | | | $150,000 |
| Subtotal | | | | $150,000 |

| | | | |
|---|---|---|---|
| **2022 Omnibus Water Bill-Planning Preliminary Total** | **$4,942,384** | **$698,000** | **$150,000** |

**Summary-2022 Omnibus Water Bill-Construction Preliminary Recommendations**

| Level III Projects-New Development | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Cloud Seeding: Medicine Bow & Sierra Madre 2023 | | $823,490 | | |
| Cloud Seeding: Wind River 2023 | | $316,000 | | |
| Crystal Bypass Pipeline 2022 | | $2,546,000 | | |
| Evanston Transmission Pipeline 2022 | | $1,219,400 | | |
| Gillette Regional Extensions Phase VI 2022 | | $1,125,600 | | |
| NW Rural Water System Imp 2022 | | $700,150 | | |
| Subtotal | | $6,730,640 | | |

| Level III Projects-Rehabilitation | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Big Horn Canal Adobe Check Structure 2022 | | | $154,100 | |
| Cottonwood Irrigation District Pipeline Replacement 2022 | | | $1,600,000 | |
| Deaver ID Rehabilitation 2022 | | | $816,810 | |
| Dry Creek Irrigation District Pipeline Replacement 2022 | | | $1,850,000 | |
| Goshen ID 29.4 Pipeline Project Phase II 2022 | | | $290,000 | |
| Goshen ID Tunnel Rehabilitation 2022 | | | $2,350,000 | |
| Highland Hanover ID System Imp | | | $4,611,000 | |
| Lovell Moncur Lateral Phase II 2022 | | | $991,000 | |
| Owl Creek Irrigation District System Improvements | | | $5,040,000 | |
| Subtotal | | | $17,702,910 | |

| Amendments to Prior Appropriations | County | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| GR/RS/SC Raw Water Reservoir | | Time extension to 7/1/2023 | | |
| Laramie North Side Tank | | Time extension to 7/1/2024 | | |
| Small Water Project Program - New Development | | $1,000,000 | | |
| Small Water Project Program - Rehabilitation | | | $500,000 | |
| Laramie Valley Diversion Structure 2020 | | | $700,000 | |
| Sponsor's Contingency Account III | | | | $10,000,000 |
| Broken Wheel Ranch Water Supply 2017 | | Time extension to 7/1/2023 | | |
| Gillette Regional Extensions 2017 | | Time extension to 7/1/2024 | | |
| Middle Piney Reservoir | | Time extension to 7/1/2024 | | |
| Subtotal | | $1,000,000 | $1,200,000 | $10,000,000 |

| **2022 Omnibus Water Bill-Construction Preliminary Total** | **$7,730,640** | **$18,902,910** | **$10,000,000** |
|---|---|---|---|

## III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2021-22 Legislative Session.

**Water Development Account I**
**Preliminary Fiscal Projections as of 10/19/2021**

| | | |
|---|---|---|
| Cash Balance 6/30/20 | | 104,776,120 |
| **FY 2021 Revenues** | | |
| Taxes | 19,297,500 | |
| Interest | 2,152,638 | |
| Loans/Interest | 1,824,306 | |
| Other | 352,917 | |
| Total Revenues | | 23,627,361 |
| **FY 2020 Expenditures** | | |
| Total Expenditures | | (39,964,014) |
| Cash Balance 6/30/21 | | 88,439,467 |
| **Outstanding Commitments 7/1/21** | | |
| Active Appropriations | (179,659,095) | |
| Expenditures Paid | 80,745,282 | |
| Total Commitments 7/1/21 | | (98,913,813) |
| Total Uncommitted Balance 7/1/21 | | (10,474,346) |
| **FY 2022 Anticipated Revenues** | | |
| Taxes | 19,300,000 | |
| Interest | 2,000,000 | |
| Other | 1,600,000 | |
| Total FY 2022 Anticipated Revenues | | 22,900,000 |
| **FY 2023 Anticipated Revenues** | | |
| Taxes | 19,300,000 | |
| Interest | 2,000,000 | |
| Other | 1,600,000 | |
| Total FY 2023 Anticipated Revenues | | 22,900,000 |
| **FY 2024 Anticipated Revenues** | | |
| Taxes | 19,300,000 | |
| Interest | 2,000,000 | |
| Other | 1,600,000 | |
| Total FY 2024 Anticipated Revenues | | 22,900,000 |
| Subtotal Anticipated Revenues | | 68,700,000 |
| Balance Available for Appropriation | | 58,225,654 |

**Water Development Account II**
**Preliminary Fiscal Projections as of 10/19/21**

| | | |
|---|---|---|
| Cash Balance 6/30/20 | | 33,719,359 |
| **FY 2021 Revenues** | | |
| Taxes | 3,255,000 | |
| Interest | 781,956 | |
| Loans/Interest | 1,232,356 | |
| Transfer from WDA I | 11,800,000 | |
| Total Revenues | | 17,069,312 |
| **FY 2021 Expenditures** | | |
| Total Expenditures | | (12,891,604) |
| Cash Balance 6/30/21 | | 37,897,067 |
| **Outstanding Commitments 7/1/21** | | |
| Active Appropriations | (63,132,896) | |
| Expenditures Paid | 25,131,559 | |
| Total Commitments 7/1/21 | | (38,001,337) |
| Total Uncommitted Balance 7/1/21 | | (104,270) |
| **FY 2022 Anticipated Revenues** | | |
| Taxes | 3,255,000 | |
| Interest | 400,000 | |
| Other | 800,000 | |
| Total FY 2022 Anticipated Revenues | | 4,455,000 |
| **FY 2023 Anticipated Revenues** | | |
| Taxes | 3,255,000 | |
| Interest | 400,000 | |
| Other | 800,000 | |
| Total FY 2023 Anticipated Revenues | | 4,455,000 |
| **FY 2023 Anticipated Revenues** | | |
| Taxes | 3,255,000 | |
| Interest | 400,000 | |
| Other | 800,000 | |
| Total FY 2023 Anticipated Revenues | | 4,455,000 |
| Subtotal Anticipated Revenues | | 13,365,000 |
| Balance Available for Appropriation | | 13,260,730 |

**Water Development Account III**
**Preliminary Fiscal Projections as of 10/19/2021**

| | | |
|---|---|---|
| Cash Balance 6/30/20 | | 174,890,056 |
| **FY 2021 Revenues** | | |
| Taxes | 775,000 | |
| Interest | 3,889,077 | |
| Total Revenues | | 4,664,077 |
| **FY 2021 Expenditures** | | |
| Total Expenditures | | (5,616,521) |
| Cash Balance 6/30/21 | | 173,937,613 |
| **Outstanding Commitments 7/1/21** | | |
| Active Appropriations | (169,407,026) | |
| Expenditures Paid | 19,310,699 | |
| Total Commitments 7/1/21 | | (150,096,327) |
| Total Uncommitted Balance 7/1/21 | | 23,841,826 |
| **FY 2022 Anticipated Revenues** | | |
| Taxes | 775,000 | |
| Interest | 2,200,000 | |
| Total FY 2022 Anticipated Revenues | | 2,975,000 |
| **FY 2023 Anticipated Revenues** | | |
| Taxes | 775,000 | |
| Interest | 2,200,000 | |
| Total FY 2023 Anticipated Revenues | | 2,975,000 |
| **FY 2023 Anticipated Revenues** | | |
| Taxes | 775,000 | |
| Interest | 2,200,000 | |
| Total FY 2023 Anticipated Revenues | | 2,975,000 |
| Subtotal Anticipated Revenues | | 8,925,000 |
| Balance Available for Appropriation | | 32,766,286 |

## IV. Anticipated Remaining Funding after the 2022 Session

The Wyoming Water Development Commission (WWDC) bases its funding recommendations on the anticipated income into each water development account that will be available each biennium and with the knowledge that requests for funding will likely exceed available funds. Therefore, the WWDC will phase construction funding requests or deny funding to projects to ensure the account balances will not be exceeded and there will be sufficient funding for upcoming legislative sessions. The following table attempts to depict the funding available to each account after the 2022 Session by predicting the anticipated demands placed on those accounts during the 2022 Session.

**Water Development Account I**

| | | |
|---|---|---|
| Available 2022 Session | | $58,225,654 |
| Non-Project Anticipated Appropriations | | |
| Agency (029) Budget | $ 8,098,333 | |
| DOA (010) Water Quality | $ 656,008 | |
| SEO (037) CO River E.S. | $ 116,191 | |
| SEO (037) Board of Control | $14,349,701 | |
| OSLI (060) DWSRF | $ 1,152,779 | |
| Deduct: Non-Project Appropriations | | $24,373,012 |
| 2022 Omnibus Water Bills | | |
| Transfer to WDA II | $ 7,000,000 | |
| Planning | $ 4,942,384 | |
| Construction | $ 7,730,640 | |
| Deduct: Omnibus Water Bills | | $19,673,024 |
| Subtotal | | $14,179,618 |
| Add: Anticipated 2022 Reversions | | $ 1,000,000 |
| **Anticipated Remaining after 2022 Session** | | **$15,629,618** |

**Water Development Account II**

| | | |
|---|---|---|
| Available 2022 Session | | $13,260,730 |
| Add: Anticipated Transfer from WDA I | | $ 7,000,000 |
| 2022 Omnibus Water Bills | | |
| Planning | $ 698,000 | |
| Construction | $18,902,910 | |
| Deduct: Omnibus Water Bills | | $19,600,910 |
| Subtotal | | $ 659,820 |
| Add: Anticipated 2022 Reversions | | $ 1,000,000 |
| **Anticipated Remaining after 2022 Session** | | **$ 1,659,820** |

**Water Development Account III**

| | | |
|---|---|---|
| Available 2022 Session | | $32,766,286 |
| 2022 Omnibus Water Bills | | |
| Planning | $ 150,000 | |
| Construction | $10,000,000 | |
| Deduct: Omnibus Water Bills | | $10,150,000 |
| Add: Anticipated 2022 Reversions | | $ 0 |
| **Anticipated Remaining after 2022 Session** | | **$22,616,286** |

The following table attempts to predict funding requests for the 2023 or later Legislative Sessions:

| **Water Development Account I – Potential Projects** | | |
|---|---|---|
| Bridger Valley System Improvements | 1,000,000 | |
| Casper - Poplar Street Zone II | 1,100,000 | |
| Cheyenne Bypass Pipeline | 3,000,000 | |
| Cheyenne Belvoir Well Field | 10,000,000 | |
| Cloud Seeding: Medicine Bow/Sierra Madre/Laramie Range | 800,000 | |
| Cloud Seeding: Wind River Range | 275,000 | |
| Cody System Improvements | 1,000,000 | |
| CWRWS - Westwinds Rd Transmission Line | 5,500,000 | |
| Gillette Regional Extensions | 25,000,000 | |
| Groundwater Grant Program | 1,000,000 | |
| GR/RS/SC JPWB Pump Station and Transmission Line | 24,000,000 | |
| GR/RS/SC JPWB Wind River Zone Phase II | 5,000,000 | |
| Hanna Transmission | 250,000 | |
| Little Snake River Valley Municipal Water Supply | 7,650,000 | |
| Osage System Improvements | 1,500,000 | |
| Pinedale System Improvements | 1,000,000 | |
| Sheridan System Improvements | 5,000,000 | |
| Shoshoni System Improvements | 1,000,000 | |
| Small Water Program | 1,000,000 | |
| South End Water User's Pipeline | 1,000,000 | |
| Star Valley Ranch Tank | 1,000,000 | |
| Thermopolis System Improvements | 700,000 | |
| Rolling Hills | 500,000 | |
| **Grand Total WDA I** | | **$98,275,000** |

| **Water Development Account II – Potential Projects** | |
|---|---|
| Austin-Wall Reservoir Rehabilitation | 1,000,000 |
| Big Horn Canal Siphon | 150,000 |
| Bluff/Upper Bluff Irrigation District Rehabilitation | 575,000 |
| Casper – 10 MG Water Reservoir | 10,000,000 |
| Casper - Ridgecrest Zone 2/3 Transmission Line | 1,450,000 |
| Casper Alcova Irrigation District | 500,000 |
| Cody Canal Irrigation District | 500,000 |
| Cottonwood Irrigation District | 2,000,000 |
| CWRWS - Salt Creek Pump Station | 1,500,000 |
| Deaver Irrigation District | 500,000 |
| Dry Creek Irrigation District | 1,300,000 |
| Eden Valley Irrigation and Drainage District | 6,000,000 |
| Goshen Irrigation District – Tunnel Repair | 30,000,000 |
| Goshen Irrigation District – Pipe to Canal | 3,000,000 |
| Highland Hanover Irrigation District Pump Replacement | 4,400,000 |
| Heart Mountain Irrigation District | 500,000 |
| Interstate Irrigation and Reservoir Rehabilitation | 3,750,000 |
| LaPrele Irrigation District Dam Rehabilitation | 60,000,000 |
| Midvale Irrigation District | 1,000,000 |
| Owl Creek Irrigation District Pump Station | 5,200,000 |
| Owl Creek Irrigation District Diversion Headgate | 1,300,000 |
| Shoshone Irrigation District | 500,000 |
| Sidon Irrigation District | 500,000 |

| | | |
|---|---|---|
| Silver Lake Dam Rehabilitation | 3,500,000 | |
| Small Water Program | 500,000 | |
| Wind River Irrigation Rehabilitation | 25,000,000 | |
| **Grand Total WDA II** | | **$164,625,000** |

**Water Development Account III**

There are four (4) dam and reservoir projects funded for construction and nine (9) additional projects in the planning phase under consideration.

| | | |
|---|---|---|
| Clear Creek Storage | 120,000,000 | |
| Greybull Valley Storage Enlargement | 100,000,000 | |
| Meadowlark Lake Enlargement | 18,000,000 | |
| Meeks Cabin Enlargement | 35,000,000 | |
| New Fork Enlargement | 15,000,000 | |
| Stateline Reservoir Enlargement | 35,000,000 | |
| West Fork Reservoir | 72,000,000 | |
| Wind River Storage (Two sites) | 120,000,000 | |
| **Grand Total WDA III** | | **$515,000,000** |

# ACTIVE PROJECT REPORTS

# CHAPTER 3 – ACTIVE PROJECTS

**1. PROJECT: Alkali Creek Reservoir**

LEVEL: III
SPONSOR: Nowood Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | III | $ 300,000 | 2010 |
| Level II | 32 | 2010 | III | $ 250,000 | 2016 |
| Level II | 57 | 2012 | III | $ 350,000 | 2016 |
| Level II | 74 | 2014 | III | $ 225,000 | 2017 |
| Level II | 168 | 2015 | III | $ 4,000,000 | 2021 |
| Level III | 75 | 2017 | III | $ 35,000,000 | 2025* |
| Level III | 113 | 2020 | III | $ 59,000,000 | 2025† |

*94% grant, 6% loan

†The 2017 appropriation of $35,000,000 was increased by $24,000,000 to $59,000,000. The grant percentage was changed from 94% to 96.4% and the loan percentage was changed from 6% to 3.6%.

PROJECT INFORMATION:

The Nowood Watershed Improvement District (District) is interested in constructing Alkali Creek Reservoir to provide late season supplemental irrigation water to the Nowood River Valley, tributary to the Big Horn River. The Alkali Creek Reservoir was identified as the preferred storage alternative to address shortages through previous Level II feasibility studies. The proposed reservoir, located off-channel, will be filled with flows from Paint Rock and Medicine Lodge Creeks through expansion of the existing Anita and Anita Supplemental Ditches. The reservoir will have a total capacity of approximately 8,000 acre-feet, of which 6,000 acre-feet will serve as a supplemental irrigation supply, leaving a 2,000 acre-foot conservation pool for habitat, fishing, and recreational use.

The proposed reservoir lies partially on lands managed by the Bureau of Land Management (BLM) and involves Waters of the United States, therefore requiring a BLM issued Right of Way permit and a United States Army Corps of Engineers (USACE) 404 permit. The NEPA process has been followed and a final Environmental Impact Statement (EIS) was published by the BLM in May 2019, to address the issues and analyze a range of alternatives for Alkali Creek Reservoir in order to fully meet Federal requirements. A positive record of decision for a Right of Way permit was received from the BLM in October 2019. The compensatory mitigation plan (CMP) for aquatic resource impacts was completed and accepted by the USACE. A favorable record of decision on the 404 permit was received in May 2021. Final design is underway and is expected to take approximately 18 months to complete.

Once completed, the District will own, operate, and maintain Alkali Creek Reservoir for the life of the project to reduce irrigation shortages and provide a more reliable water supply to irrigated lands in the Nowood River Valley. In regards to secondary benefits, the reservoir will have public access and as stated, a conservation (environmental/recreation) pool which will provide fisheries, wildlife, and recreational uses. Diversions out of Paint Rock and Medicine Lodge Creeks to fill the reservoir during spring runoff will have some flood control benefits. Flood benefits to the Alkali Creek drainage and downstream will be provided by the reservoir itself. Wetlands created as part of the project will have water quality and wildlife benefits. Late season irrigation releases out of the reservoir will enhance downstream riparian areas, improve fish habitat, and have indirect benefits to wildlife provided through additional agricultural yields and winter pasture.

**2. PROJECT: Arapahoe Pipeline and Tank**

LEVEL: III
SPONSOR: Northern Arapaho Tribe
LOCATION: Fremont County, Wind River Indian Reservation
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 85 | 2007 | I | $ 125,000 | 2008 |
| Level II | 66 | 2009 | I | $ 500,000 | 2010 |
| Level III | 23 | 2015 | I | $ 1,926,920 | 2020* |
| Level III | 113 | 2020 | I | $ 0 | 2023** |

*67% grant
**Time extension only

PROJECT INFORMATION:
The 2010 WWDC Level II Study identified a deficit in source supply/storage and inefficient transmission/distribution on the populated eastern portion of the Wind River Reservation. The study provided recommendations and cost estimates for thirteen (13) separate improvements to the system to rectify the shortfalls. A new source supply well was drilled as part of the 2010 Level II Study and has been recently connected to the system, thereby completing three (3) of the recommended improvements. The 2014 applicant requested funding of two additional distinct components:

1. State HWY 138/Rendezvous Road and Wind River Casino Pipeline Loop – Consisting of approximately 9,000 feet of 10" and 12" PVC Transmission Water Line

2. A 300,000-gallon Storage Tank and Transmission Line – Tank located above and southeast of the Beaver Creek housing complex, with installation of 8,050 feet of 10" PVC Transmission Water Line.

The Level II study was undertaken at a time when casino-related development was on the upswing and associated impact demands on the local water system (commercial & residential) would occur in a short time. A new source supply well was drilled as part of the Level II Study and has been connected to the system. The present strain on the growing system related to deficits in transmission/storage/distribution prompted the Level III funding application from the Northern Arapaho Tribe. The Casino pipeline project is under construction and should be completed in 2022. The design is complete for the tank and transmission line but the sponsor is awaiting right of way clearance.

**3. PROJECT: Arapahoe Water Supply 2016**

LEVEL: III
SPONSOR: Northern Arapaho Tribal Business Council
LOCATION: Fremont County (Wind River Indian Reservation)
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 85 | 2007 | I | $ 125,000 | 2008 |
| Level II | 66 | 2009 | I | $ 500,000 | 2010 |
| Level III | 55 | 2016 | I | $ 2,247,850 | 2021* |
| Level III | 12 | 2021 | I | $ 0 | 2024** |

*67% grant
**Time extension only

PROJECT INFORMATION:
The 2010 WWDC Level II Study identified a deficit in source supply/storage and inefficient transmission/distribution on the populated eastern portion of the Wind River Reservation. The study provided recommendations and cost estimates for thirteen (13) separate improvements to the system to rectify the shortfalls. The applicant received funding for three additional transmission pipelines projects:

1. Upgrade and install a new Transmission main along Left-Hand Ditch Road from the existing 1 MG Tank to 17 Mile Road.

2. Install a new Transmission main along 17 Mile Road between Goes In-Lodge Road to Highway 789. This will connect between two of the systems transmission mains.

3. Install a new Transmission main along Left-Hand Ditch Road from 17 Mile Road south to the Arapahoe School and Industrial Park.

The transmission main that feeds the system is critically undersized to deliver the needed demands in the system. The line is a 6" asbestos cement line installed in the 1960's. Upgrading to the 12" PVC line will allow the Utility to meet the required Tank-to-System delivery needs. The entire water supply for Beaver Creek Housing and the Wind River Casino commercial area is fed by the single transmission line extending from 17 -Mile Road. If a line break occurs in those two miles of line, there is no way to get water to this area. This has happened on occasion, leaving the area dependent on only the 60,000 gallons of storage in the Beaver Creek Tank. This situation presents an unacceptable public safety and health risk. The new transmission line will alleviate this problem. The Arapahoe School and Industrial Park (ASIP) area of the system is operated as a separate stand-alone system serving the ASIP and a small number of residences. Tying this and the primary Arapahoe system together will make it possible to feed the ASIP and residents from the main system and its 1 MG tank. The Indian Health Services (IHS) has funding in place for project No.1 as listed above in an amount of $814,000.00. The IHS has also approved using the funding in combination with the WWDC funding across all three projects to complete the design of each project. This still allows enough funding to bid and construct Project 1. The engineer has been selected and design is complete on project 1 and 2 but the sponsor is awaiting right of way clearance. The design is 50% on project 3.

**4. PROJECT: Austin-Wall Reservoir Rehabilitation 2019**

LEVEL III
SPONSOR: Austin-Wall Irrigation District
LOCATION: Uinta
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | II | $ 110,000 | 2010 |
| Level II | 32 | 2010 | II | $ 388,680 | 2012 |
| Level III | 141 | 2013 | II | $ 150,000 | 2018* |
| Level III | 100 | 2014 | III | $ 1,000,000 | 2018** |
| Level III | 23 | 2015 | III | $ 1,600,000 | 2018*** |
| Level III | 55 | 2019 | II | $ 374,000 | 2024**** |

*50% Grant. This appropriation replaced by 2014 appropriation
**50% Grant. This appropriation replaced by 2015 appropriation
***50.9% Grant, 3.4% Loan
****67% Grant, 33% Loan

PROJECT INFORMATION:
The Wall Reservoir is owned and operated by the Austin-Wall Irrigation District (District). The Wall Reservoir is located in a small tributary basin to the Blacks Fork River near the Town of Fort Bridger. The Blacks Fork River receives water from the Uinta Mountains south of Wall Reservoir. The Blacks Fork River is tributary to the Green River.

A 2013 drilling program determined there is a high permeability zone (as high as $10^{-3}$ cm/sec) that extends under the dam. The hydraulic conductivity indicates that the upper 10 to perhaps 20 feet of bedrock has a hydraulic conductivity sufficient to allow significant seepage underneath the dam in the vicinity of the right abutment and throughout the right abutment.

In addition to seepage issues, the 2013 study found that the existing outlet structure is undersized and contributes to leakage.

The Level II study concluded that in order to mitigate the seepage through the dam foundation near and through the right abutment, the hydraulic conductivity of the upper 10-20 feet of bedrock should be reduced. Based on the geologic characterization models and engineering analyses completed for the site, there are two different approaches that can be used to significantly reduce the hydraulic conductivity of the foundation bedrock and the corresponding seepage from the reservoir. These approaches include:

1) excavation of a cutoff trench and backfilling of the trench with a low permeability cement/bentonite backfill, and
2) grouting with a properly designed balanced and stable grout.

Each of these foundation treatment approaches would be combined with installation of a low permeability compacted clay liner over the upstream face of the dam and upstream right abutment area. These systems are anticipated to achieve a seepage reduction ranging from 60 to 90 percent through the areas selected for treatment.

The 2019 Rehabilitation project provides construction funds to replace the outlet and provided a preliminary spillway though the outlet works. This phase does not supply funds to install a low permeability clay liner on the upstream face of the dam.

The WWDC Project Agreement was delivered to the District in March 2019. The District returned the signed Project Agreement in April 2020 and is in the process of providing the information for security of the WWDO Loan portion of the Agreement. In June of 2021, the District contracted with a consulting engineer to design the new outlet structure. The District is also working with the NRCS on a PL-566 watershed project to address the seepage through the dam. The PL-566 project requires a watershed study, and the consulting engineer is currently working on that concurrently with the WWDC Project. At this point, it appears the District will address these projects in separate phases.

**5. PROJECT: Big Horn Canal Irrigation District Wasteway/Check Replacement 2020**

LEVEL: III
SPONSOR: Big Horn Canal Irrigation District
LOCATION: Big Horn and Washakie Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 75 | 2005 | II | $ 150,000 | 2006 |
| Level III | 23 | 2015 | II | $ 175,000 | 2020* |
| Level III | 55 | 2019 | II | $ 960,000 | 2024* |
| Level III | 113 | 2020 | II | $ 1,660,000 | 2025* |

*67% grant, 33% loan

PROJECT INFORMATION:
The Big Horn Canal Irrigation District's main canal (Big Horn Canal) extends from the Big Horn River south of Worland to the Greybull River near Greybull. Roughly thirty-one miles below the Robertson Dam is the Big Horn Canal Alamo wasteway structure. The proper operation of the canal is heavily dependent upon this structure. There is approximately 11,194 acres below this structure that would be catastrophically impacted if this failed. Replacing the old wasteway and check structure will improve safety, reliability and reduce canal maintenance. Construction is complete except for adjustments to gates.

**6. PROJECT: Big Horn Regional Transmission**

LEVEL: II
SPONSOR: Big Horn Regional Joint Powers Board (BHRJPB)
LOCATION: Washakie County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 36/86/7 | 2000/01/02 | I | $ 1,505,000 | 2005 |
| Level III | 8/118/121/1 | 2002/04/07/12 | I | $ 23.8 M | 2017 |
| Level II | 75/66 | 2005/09 | I | $ 2,350,000 | 2012 |
| Level II | 65 | 2017 | I | $ 180,000 | 2020 |
| Level III | 113 | 2020 | I | $ 4,361,700 | 2025 |
| Level II | 11 | 2021 | I | $ 146,000 | 2024 |

PROJECT INFORMATION:
The BHRJPB was founded in 2000 to administer and operate a regional municipal and rural public water supply along the eastern margin of the Big Horn Basin with customers in Big Horn, Washakie, and Hot Springs Counties. They are concerned with existing transmission deficiencies East and South of Worland and potential future transmission restrictions in Hot Springs County, from Kirby through the Lucerne Water & Sewer District.

The BHRJPB requested a study intended to improve service to the City of Worland, Washakie Rural Improvement & Service District, Town of Kirby, Lucerne Water & Sewer District, and alternative service to additional Hot Spring County users (e.g. Owl Creek Water District, etc.), through more efficient transmission. The Consultant was given notice to proceed in Spring of 2021 and are currently collecting data. The project will be ongoing in 2022.

**7. PROJECT: Big Horn Regional Transmission 2020**

LEVEL: Level III
SPONSOR: Big Horn Regional Joint Powers Board (BHRJPB)
LOCATION: Big Horn County, Hot Springs County, Washakie County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 36 | 2000 | I | $ 160,000 | 2002 |
| Level II | 86 | 2001 | I | $ 670,000 | 2002 |
| Level II | 7 | 2002 | I | $ 675,000 | 2004 |
| Level II | 75 | 2005 | I | $ 1,500,000 | 2010 |
| Level II | 66 | 2009 | I | $ 850,000 | 2010 |
| Level III | 4 | 2012 | I | $ 23,838,600 | 2017 |
| Level III | 14 | 2012 | I | $ 4,730,200 | 2017 |
| Level III | 100 | 2014 | I | $ 1,447,200 | 2017 |
| Level I | 74 | 2014 | I | $ 135,000 | 2017 |
| Level II | 65 | 2017 | I | $ 180,000 | 2020 |
| Level III | 113 | 2020 | I | $ 4,361,700 | 2025* |

*67% grant

PROJECT INFORMATION:
The BHRJPB provides rural domestic water through a regional system that serves Big Horn, Washakie, and Hot Springs Counties, including the Town of Greybull, Town of Basin, Town of Manderson, and the City of Worland. Big Horn Regional System currently has 8 wells, averaging about 3800 feet, into the Madison Formation. The total yield from all wells is in excess of 5,000 gpm. Water is stored in either the 1MG tank on Rattlesnake Ridge or the 100,000 gallons tank near Manderson. The Town of Burlington has 2 wells that are questionable in both quality and quantity. Big Horn Regional Water System will extend their transmission pipeline to supply the Town of Burlington. Project agreements were completed and the sponsor began design and easement procurement in 2020. Easement procurement delayed progress but design is 90% complete.

**8. PROJECT: Big Sandy Reservoir Enlargement**

LEVEL: III
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sublette and Sweetwater Counties
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | III | $ 100,000 | 2014 |
| Level II | 1 | 2011 | III | $ 300,000 | 2017 |
| Level II | 168 | 2015 | III | $ 2,000,000 | 2018 |
| Level III | 75 | 2017 | III | $ 8,400,000 | 2023 |

PROJECT INFORMATION:
Big Sandy Reservoir is a major storage facility of the Eden Project. The reservoir provides storage for irrigation, flood control, recreation, and fish and wildlife benefits. The reservoir stores 39,700 acre-feet of water under Permit No. 947 Res., with a priority date of November 9, 1906, and has a surface area of approximately 2,510 acres at water surface elevation 6757.5. The Eden Valley Irrigation and Drainage District (District) is interested in enlarging Big Sandy Reservoir to provide additional supplemental water and to ensure more consistent delivery of the project water supply to District members. The owner of Big Sandy Dam and Reservoir is the United States Department of the Interior, Bureau of Reclamation (Reclamation). The District contracts with Reclamation to operate the facility.

A feasibility analysis of the Big Sandy Enlargement has determined there to be no fatal flaws in the project. Furthermore, the WWDC has worked with Reclamation, through a Technical Service Agreement

(TSA), to evaluate a 5' spillway raise at Big Sandy Dam. Task orders within the TSA have included project management, hydrologic analysis, bathymetric survey, preliminary design and risk analysis, a value planning study, and appraisal level alternatives. Reclamation has determined a preferred alternative to maintain at least a "risk neutral" condition for the Big Sandy facility while providing the benefit of additional storage with a reservoir enlargement. Final design has been completed for the preferred alternative which consists of a spillway crest raise, dam abutment toe drain, outlet works filter diaphragm, dike seepage cutoff wall and slope protection, and feeder canal headworks. Additional modification to the Big Sandy Feeder Canal is also being planned to allow for operational flexibility, a key component for maximizing storage and providing for adaptive management of wetlands.

Reclamation issued the final Environmental Assessment (EA) and Finding of No Significant Impact (FONSI) in June of 2020. Since that time, final design has been completed and a construction contract awarded. It is anticipated by Reclamation that construction could start before the end of 2021 and continue for two seasons. Reclamation has approved the project for the Upper Colorado River Basin Fund Memorandum of Agreement (MOA). The MOA provides funding through a percentage of collected hydropower revenues generated by Colorado River Storage Projects (CRSP) for participating projects within the Upper Colorado River Basin. Once completed, the Big Sandy Reservoir Enlargement, estimated at approximately 13,000 acre-feet, will aid in firming up the Eden Project by ensuring consistent delivery of project water supply and providing additional carryover storage for more consistent and earlier spring start-up. In addition, the project will provide drought resilience, mitigate hydrologic deficiency, and ease operations during high flow events by protecting the dam structure and downstream features.

**9. PROJECT: Big Wind River Storage Study, Phase II**

LEVEL: II
SPONSOR: Eastern Shoshone and Northern Arapahoe Tribes
LOCATION: Fremont County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 36 | 2000 | I | $ 200,000 | 2002 |
| Level II | 74 | 2014 | III | $ 350,000 | 2017 |
| Level II | 65 | 2017 | III | $ 475,000 | 2022 |

PROJECT INFORMATION:
Irrigation shortages have long been documented in the Wind River Basin upstream of Boysen Reservoir. In a 1965 report, prepared by Bishop and Spurlock, it was concluded that the system hydrology was incapable of meeting the entire irrigation demand in the upper Wind River Basin (the Big Wind and Little Wind River drainages above Boysen Reservoir). These shortages could be offset by constructing dam and reservoir projects in both drainages that would store spring runoff which could then be used by irrigators in either the Little Wind and/or Big Wind River drainage. These shortages were reaffirmed by Short Elliot Hendrickson Inc. (SEH) in the "Upper Wind River Storage Project – Level I Study", which was prepared for the Wyoming Water Development Commission in 2001.

During the 2014 Budget Session, the Eastern Shoshone and Northern Arapaho Tribes (Sponsor) applied for, and received, funding to conduct a Level II, Phase I Storage Feasibility Study that would build on the 2001 Level I study. The Phase I study analyzed irrigation water shortages and water availability to store under a present day water right, as well as alternatives for constructing new or enlarging existing dams and reservoirs to offset documented irrigation shortages. Constructing new, or enlarging existing storage, will require issuance of a permit to appropriate water from the Wyoming State Engineer's Office and must take into consideration the implications related to the Big Horn General Adjudication.

Building off of previously completed work and additional data collected under the study, approximately 80 different storage alternatives were analyzed against one another. Taking into consideration criteria such as hydrology, technical feasibility, environmental impacts, estimated costs, and Tribal concurrence, the alternatives were screened. Alternatives were ranked by score and top alternatives were analyzed in greater detail.

In summary, based on the Level II, Phase I investigation, it was concluded that seasonal irrigation water shortages in the Big Wind River watershed exist, additional water is available for a new storage appropriation, and storage alternatives are feasible. Further analysis was then recommended to refine project knowledge.

During the 2017 General Session, the Sponsor applied for, and received, funding to continue to analyze the feasibility of the development of additional surface water storage under a Level II, Phase II Study. The current Phase II analysis being conducted originally included the following key components:

- Hydrologic Model Refinement
- Alternatives Analysis Refinement
- Geological/Geotechnical Analysis and Site Visits
- Environmental and Aquatic Resources Investigation
- Cultural Resource Analysis
- Economic Analysis Refinement

However, much greater effort than anticipated was put into the hydrologic model refinement, as it is the foundation for the purpose and need for storage. As a result, field work associated with geological/geotechnical analysis, environmental and aquatic resources, and cultural resources had to be postponed until additional funding could be appropriated.

The overarching objective of the Phase II analysis is to continue to develop project knowledge by leveraging past and current work to develop a preferred alternative for recommendation for a Level II, Phase III (permitting and final design) funding request.

**10. PROJECT: Bluff/Upper Bluff System Improvements 2019**

LEVEL: III
SPONSOR: Bluff/Upper Bluff Irrigation District
LOCATION: Washakie Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 55 | 2019 | II | $ 291,000 | 2024* |

*67% grant, 33% loan

PROJECT INFORMATION:
The Districts are located in the Big Horn Basin near Worland, within Washakie County, Wyoming. The Districts share a diversion and the first three miles of Hanover Canal with the Hanover and Highland Hanover Irrigation Districts. This project replaces two aging pumps in Pumping Plant No. 1 with new pumps and variable frequency drives (VFDs). The pump VFDs will allow the district to match deliveries to irrigation demands on Upper Bluff Canal No. 1. The project also includes structural repairs to the Pumping Plant No. 1 building. This project was completed and closed out August 2021.

**11. PROJECT: Bridger Valley Regional Water Master Plan**

LEVEL: I
SPONSOR: Bridger Valley Joint Powers Board
LOCATION: Uinta County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 38 | 1991 | I | $ 65,000 | 1994 |
| Level III | 231 | 1991 | I | $ 625,000 | 1996 |
| Level II | 43 | 1992 | I | $ 125,000 | 1995 |
| Level II | 10 | 1994 | I | $ 300,000 | 1997 |
| Level III | 2/88 | 2001/02 | II | $ 505,000 | 2006/07* |
| Level II | 125 | 2003 | I | $ 125,000 | 2008 |
| Level III | 114 | 2005 | II | $ 67,600 | 2010 |
| Level I | 150 | 2020 | I | $ 100,000 | 2023 |

*50% grant

PROJECT INFORMATION:
A water master plan was requested by the Bridger Valley Joint Powers Water Board (BVJPB) to provide the tools and guidance necessary to assist the planning, rehabilitation, upgrading, and managing of their system. This master plan will serve as a framework for the BVJPB to establish project priorities and to perform financial planning necessary to meet those priorities. The study also includes a plan to accommodate future growth and provides reconnaissance level information regarding costs and scheduling. This Level I study includes Fort Bridger, Lyman, Mountain View, and Urie, which are currently served by the BVJPB water system.

The water master plan was completed in 2021 and identified the system's problems such as storage, transmission, and distribution. The report addressed specific system concerns including: water storage at the treatment plan, water treatment plan upgrades to increase treated water output, low pressure concerns in Fort Bridger, repair concerns for poor condition water lines in Fort Bridger, dead end pipelines and looping concerns in Lyman, concerns about the old iron pipeline in Main Street in Lyman, and concerns about old fire hydrants and the need to upgrade pipelines in Mountain View. A report presentation was conducted in Mountain View in July 2021 and a final closeout memo was presented to the Commission in October 2021.

**12. PROJECT: Broken Wheel Ranch Water Supply 2017**

LEVEL: III
SPONSOR: Broken Wheel Ranch Improvement and Service District
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 168 | 2015 | I | $ 100,000 | 2018 |
| Level III | 75 | 2017 | I | $ 613,050 | 2022* |

*67% grant

PROJECT INFORMATION:
The Broken Wheel Ranch Improvement and Service District is located in northwestern Lincoln County and the Salt River Basin, about five miles south of the Town of Alpine. The sponsor's public water system serves a population of approximately 50 people through 20 taps. The system is supplied with groundwater

from one approximately 302-foot deep well. The permitted yield of the well is 15-gpm. The sponsor's water system includes two (2) concrete tanks, totaling 10,532 gallons (about 5,000 gallons for each tank). Since the beginning of September 2016, the sole supply well has been nearly dry. The Sponsor has been forced to purchase and haul multiple loads of drinking water from the Town of Alpine to maintain water supply to the residents. Late in 2016, the well yield declined to approximately one gpm but showed some improvement in 2017.

The Level III construction project was authorized by the Legislature during the 2017 session with a 67% grant from WWDC Account I. The remaining project funding was sought from the Drinking Water SRF and USDA Rural Development. In 2021, the District secured land access agreements for the construction of a new well approximately 650-feet south of the District, a pump and controls to operate the well, a pipeline from the well to the storage tanks, and one additional storage tank. Well design was also completed in 2021, and a well drilling project will be put out to bid when SRF funding requirements are met. Once the new well is determined to be a satisfactory supply source, project design will be completed; and a construction contract for the remaining project components will be bid.

**13.** **PROJECT:** **Buffalo Wells and Transmission 2019**
LEVEL: III
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 99 | 2006 | II | $ 600,000 | 2009 |
| Level I | 74 | 2014 | I | $ 190,000 | 2017 |
| Level II | 65 | 2017 | I | $ 180,000 | 2020 |
| Level III | 55 | 2019 | I | $ 1,238,160 | 2024* |

*67% grant

PROJECT INFORMATION:
In 2016, the City of Buffalo requested a Level II study to determine the feasibility of developing a Madison Aquifer groundwater supply for the City from an existing 3,809-foot deep well located approximately 15 miles south of the City. The Level II study also evaluated shallow alluvial wells just west of the City of Buffalo water treatment plant located approximately 2 miles west of the City. The Level II study recommendation was to construct the alluvial wells. The wells will be located west of the water treatment plant, north of Clear Creek and south of HWY 16.

In 2019, the Sponsor received grant funds from the New Development program in the amount of $1,238,160. This amount is for a 67% grant of the project eligible costs. The Sponsor will provide the remaining project funds. During 2019, the Sponsor secured the services of an engineer and initiated the design process. In 2020, seven exploratory sites were drilled. The drilling of production wells has been awarded and should be completed Winter 2021.

**14.** **PROJECT:** **Byron Rural Water Supply**
LEVEL: II
SPONSOR: Northwest Rural Water District (NRWD)
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 69 | 2003 | I | $ 1,120,000 | 2008 |
| Level III | 105 | 2006 | I | $ 2,960,000 | 2010 |
| Level III | 14 | 2012 | I | $ 281,400 | 2017 |
| Level III | 141 | 2013 | I | $ 3,690,025 | 2018 |
| Level I | 74 | 2014 | I | $ 150,000 | 2017 |
| Level I | 38 | 2016 | I | $ 230,000 | 2019 |
| Level III | 121 | 2018 | I | $ 1,076,690 | 2023 |
| Level III | 55 | 2019 | I | $ 1,055,250 | 2024 |
| Level III | 113 | 2020 | I | $ 676,700 | 2025 |
| Level II | 11 | 2021 | I | $ 127,000 | 2024 |

PROJECT INFORMATION:

Recently the rural residents near the Town of Byron approached the Town of Byron, the Shoshone Municipal Joint Powers Board, and the NRWD requesting assistance in obtaining a reliable source of potable water. During following meetings and discussions, it was determined that the Northwest Rural Water District has the capability to serve water and would be the appropriate entity to sponsor a project.

The NRWD requested a study to evaluate and develop alternatives and cost estimates for serving the rural residents with a potable water supply. The study will determine the feasibility of adding these new rural water users to an existing regional system. Currently, the potential users either haul water or have wells as their source of potable water. The Consultant was given notice to proceed April 2021 and are currently collecting data. The project will be ongoing in 2022.

**15. PROJECT: Casper Alcova Irrigation District Underdrain 2018**

LEVEL: III
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 99 | 2006 | II | $ 200,000 | 2008 |
| Level III | 121 | 2018 | II | $ 416,740 | 2023* |

*67% grant

PROJECT INFORMATION:

The project is to replace a four-barrel box culvert underdrain. The existing underdrain concrete is in poor condition; with reinforcing steel visible in places, and leakage into the drain from the main canal concrete structure that passes over the cross drain. The remainder of the main canal structure serves as a check structure and a wasteway to dump the canal down the drainage in case of emergency. The check portion of the structure is sound and will remain in place. The wasteway is integral to the underway and will be removed and replaced with a new wasteway that will dump water into the cross drainage at a location near the outlet of the underway. The underdrain replacement is estimated to be a 9-foot x 3-foot reinforced concrete box culvert. The wasteway replacement will have canal gates to control water flow into four 60-inch diameter pipes to carry excess canal water to the drainage below. Failure of the existing structure could cause severe damage to the Casper Canal and jeopardize water delivery to approximately 21,210 acres, which represents a high percentage of the sponsor's service acreage. The Bureau of Reclamation has also noted the deficiencies of the existing structure. This structure is listed as #8 in the overall priority list of facilities needing attention and #7 in the structures to be rehabilitated in the Level II Study

completed in 2008. The District has awarded the construction project and the project will be constructed during the 2021/2022 winter season.

**16. PROJECT: Casper Alcova Rehabilitation 2016**

LEVEL: III
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 99 | 2006 | II | $ 200,000 | 2008 |
| Level III | 23 | 2015 | II | $ 187,600 | 2020* |
| Level III | 55 | 2016 | II | $ 369,840 | 2021* |

*67% grant

PROJECT INFORMATION:
In 2016, the Casper Alcova Irrigation District (CAID) received WWDC Level III funding to replace a twin 5-foot by 5-foot box culvert underdrain with three 60-inch diameter sections of reinforced concrete pipe. The sponsor received 67% grant funding from WWDC to match with its own funds to construct the project. The project was listed as the second highest structure priority in the 2008 Level II Study. The project is completed and closed out

**17. PROJECT: Casper CY Booster Station Replacement 2017**

LEVEL: III
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 118 | 2004 | I | $ 452,500 | 2008* |
| Level I | 75 | 2005 | I | $ 200,000 | 2007 |
| Level III | 121 | 2007 | I | $ 3,200,000 | 2012* |
| Level III | 68 | 2010 | I | $ 663,300 | 2015** |
| Level III | 14 | 2012 | I | $ 1,541,000 | 2017** |
| Level III | 141 | 2013 | I | $ 487,559 | 2018** |
| Level III | 100 | 2014 | I | $ 3,685,000 | 2019* |
| Level III | 23 | 2015 | I | $ 1,728,600 | 2020** |
| Level III | 75 | 2017 | II | $ 852,910 | 2022** |

*67% grant, 33% loan
**67% grant

PROJECT INFORMATION:
Casper's water supply comes from 29 shallow alluvial wells located along the North Platte River. The wells are 30 – 40 feet deep and have an average yield of 567 GPM for a total of 16,443 GPM supplied by all wells. The City of Casper water system also has an intake structure that yields 42 cfs. (18,850 GPM) from the North Platte River. In 2017, the Legislature appropriated $852,9100 in grant funding to replace an existing 63-year-old pump station. The pump station supplies water to approximately 8,000 metered taps. The design and permitting of the project were completed in 2019 and the project was bid in the fall of 2019 but the only received bid was considerably higher than budgeted. The project design was updated with potential cost saving changes and re-bid in the Spring of 2020. While the project was still above the

original budget it was ~$770K lower than the original bid and the project was awarded. The project started construction in the summer of 2020 and was completed in the winter 2020/2021, the project closed out in the fall of 2021.

**18. PROJECT: Cheyenne Municipal Storage**

LEVEL: II
SPONSOR: Cheyenne Board of Public Utilities
LOCATION: Carbon, Albany, and Laramie Counties
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| I | 74 | 1993 | I | $ 250,000 | 1994 |
| III | 89 | 1993 | II | $ 6,500,000 | 1999 |
| III | 206 | 1995 | II | $ 6,000,000 | 1999 |
| II | 8 | 1995 | II | $ 250,000 | 1996 |
| III | 59 | 1996 | II | $ 1,200,000 | 1999 |
| III | 45 | 1997 | II | $ 80,000 | 2000 |
| III | 96 | 2000 | I | $ 11,000,000 | 2004 |
| III | 2 | 2001 | II | $ 70,000 | 2005 |
| II | 7 | 2002 | I | $ 60,000 | 2004 |
| III | 88 | 2002 | II | $ 680,000 | 2007 |
| III | 69 | 2003 | I | $ 2,000,000 | 2007 |
| III | 69 | 2003 | I | $ 5,000,000 | 2008 |
| III | 114 | 2005 | I | $ 1,000,000 | 2007 |
| II | 99 | 2006 | I | $ 450,000 | 2008 |
| III | 75 | 2008 | II | $ 670,000 | 2013 |
| III | 63 | 2011 | I | $ 14,029,800 | 2016 |
| III | 141 | 2013 | I | $ 4,261,200 | 2018 |
| III | 100 | 2014 | I | $ 1,206,000 | 2019 |
| III | 55 | 2016 | I | $ 10,720,000 | 2019 |
| II | 94 | 2018 | III | $ 330,000 | 2023 |

PROJECT INFORMATION:
The City of Cheyenne (City), Board of Public Utilities (BOPU) uses a complex water system (System) that includes trans-basin diversions, water-right exchanges, reservoirs, pipelines, and other infrastructure that spans across Carbon, Albany, and Laramie counties in southeast Wyoming to supply surface and groundwater to approximately 75,000 people in the City. The current BOPU water supply system consists of eight reservoirs and dams, four groundwater well fields, various pipelines and diversions, and a water treatment facility. Approximately 70% of the City's water is supplied by surface water, while 30% is supplied by groundwater.

During the 2018 Budget Session, the City received funding to conduct a Level II study to evaluate options to enlarge the capacity of its raw water storage system. As recommended in the 2013 Cheyenne Water and Wastewater Master Plan, additional surface water storage alternatives were analyzed in the Level II study and included raising the existing dams at Granite Springs, Crystal Lake, and Rob Roy Reservoirs. Other alternatives that were analyzed included additional pipelines to better connect existing infrastructure, system optimization, expanding well fields, vulnerability assessments, and dredging of reservoirs to remove accumulated sediment.

Building upon existing work created by and for the City, the Level II study also updated the demand projections and the hydraulic model of the entire BOPU system to aid in developing and screening

alternatives and to provide a clear purpose and need for the study. Conceptual designs and cost estimates were developed for the top alternatives along with an environmental and economic analysis. Field reconnaissance was also conducted to investigate and confirm site conditions for the alternatives analyzed.

A long list of 53 alternatives were identified, evaluated, and screened to determine the top alternatives that could satisfy the projected water demand and system vulnerabilities identified in the purpose and need. Two of the top five alternatives are already being considered for implementation by BOPU. These include lowering the groundwater blending ratio to 15% and expanding groundwater supply to reliably produce 4,000 ac-ft/year. Therefore, these alternatives were assumed to be completed before implementing other alternatives when modeling and ranking alternatives. The top three alternatives recommended for further evaluation in this study include the following:

1. Conveying North Crow Creek Pipeline System at the Wye to Sherard Water Treatment Plant

2. Little Snake River Collection System Optimization

3. Crystal and Granite Outlet Rehabilitation and Bypass Pipeline

The demand projections refined by this project indicate that an additional 3,000 to 10,000 ac-ft of additional water would be needed at the end of 50 years. These were based on a low growth rate of 0.87% and a high growth rate of 1.18%. An additional 2,700 to 3,200 ac-ft is anticipated from the implementation of the alternatives listed above which satisfies the low growth projections, gets a good start on the high growth rate projection and therefore largely addresses the near to mid-term needs of the City. Furthermore, the alternatives provide needed system redundancy which will help mitigate the impact of aging infrastructure failure and natural disasters.

Studies to date have concluded that there is no single answer to ensuring the sustainability of the City's water supply. Additional surface water sources, increased storage, increased groundwater supplies, conservation, and innovative use on the demand side will need to play a role. A Level III funding request was received from the BOPU for the Bypass Pipeline project in September of 2021.

**19. PROJECT: Cheyenne Transmission, Pump Station & Tank 2020**

LEVEL: III
SPONSOR: Cheyenne Board of Public Utilities
LOCATION: Laramie County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 113 | 2020 | III | $ 8,281,200 | 2025* |

*67% grant only

PROJECT INFORMATION:
The EPA has mandated that the City of Cheyenne – BOPU remove the Round Top Tank from Service by 2024. When considering how to replace this storage, the BOPU completed a study of their system and its shortcomings. The study identified several water system deficiencies, beyond just the EPA Mandate at the Round Top Tank site.

In its current configuration the Buffalo Ridge Storage Tank is below the elevation that is required to provide adequate pressure to the areas that it serves. As a result, the BOPU utilizes the Buffalo Ridge Pump Station to provide the proper pressure for the City's North Zone. An elevated tank at the Buffalo Ridge Tank Site could correct this deficiency while also replacing the storage lost by the removal of the

Round Top Tank. This project began with an EPA mandate to take the Round Top Tank out of Service by 2024, and was extended to include other service issues within the existing system. The result is a project that fixes multiple issues and makes delivery and management of water to the citizen of Cheyenne easier and more efficient. There are no prior appropriations for this project. The Cheyenne BOPU completed a Study on their own that is compatible with a WWDC Level II Study and applied directly to Level III.

The BOPU requested and received funding to construct a 3-million-gallon elevated tank and related piping at the Buffalo Ridge Tank Site. The engineer has been selected and design is continuing.

**20.** **PROJECT:** **Clear Creek Storage**
LEVEL: II
SPONSOR: Clear Creek Conservation District
LOCATION: Johnson and Sheridan Counties
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | III | $ 300,000 | 2011 |
| Level II | 1 | 2011 | III | $ 250,000 | 2014 |
| Level II | 66 | 2013 | III | $ 350,000 | 2016 |
| Level II | 168 | 2015 | III | $ 700,000 | 2024 |

PROJECT INFORMATION:
The Clear Creek watershed, located in northwest Johnson County and extending into southeast Sheridan County, is approximately 738,312 acres with land ownership divided among federal, private, and state. The watershed includes one primary river system, the main stem of Clear Creek, and its tributaries including French Creek, Rock Creek, Shell Creek, Piney Creek, Boxelder Creek and Buffalo Creek.

Landowners within the Clear Creek watershed are concerned about water storage and the need to improve irrigation systems and water efficiencies within the drainage. The Clear Creek Conservation District (CCCD) conducted a Rapid Watershed Assessment (RWA) for the Clear Creek drainage in 2007, and water quality/quantity was identified as the largest issue, followed by water availability and conservation. Requests were made to both CCCD and Sheridan County Conservation District (SCCD) to partner with the Wyoming Water Development Commission to conduct a Level I Watershed Study. In addition, several irrigation interests expressed the need for assistance with evaluating irrigation infrastructure.

Several public meetings were held in 2008 to inform the community of the WWDC's watershed study process. Based on the positive response, the decision was made by CCCD and SCCD to co-sponsor a WWDC funded study of the Clear Creek Watershed. The study kicked off in July of 2009 as a comprehensive assessment of the watershed's condition, needs and opportunities. The study provided a detailed evaluation of the watershed and incorporated available technical information describing conditions and assessments of the watershed. The project consisted of field investigations, development of a Geographic Information System (GIS), development of a prioritized list of potential water development and system rehabilitation projects, preliminary cost estimates, permitting requirements, and funding opportunities. The watershed study was completed in early 2011. The storage component of this study identified evident water shortages and potential water development opportunities.

At the request of the Clear Creek Conservation District, a Level II Storage Feasibility Study was initiated in mid-2011 to further explore storage opportunities identified in the Clear Creek Watershed Study. The objective has been to develop and/or expand current water storage in the Clear Creek Watershed to collect the excess spring runoff and allow for controlled, consistent releases, thus providing agricultural benefits

through improved management and late season irrigation, potential municipal benefits through supply and reduction of channel erosion and flooding in area communities, as well as environmental and recreational benefits through the enhancement of fisheries and wildlife habitat. The Level II study focused primarily on hydrologic analysis, need for supplemental water, and site investigations to determine the most viable and least environmentally damaging storage locations. Completion of a StateMod Hydrologic model of the entire Clear Creek Watershed has given understanding of where irrigation shortages are located, where water is legally available to store with a present day water right, and how incorporation of new storage can reduce shortages within the watershed. The model also accounts for Lake DeSmet and its many water rights, possibilities of its utilization in reducing shortages, and its possible impacts to other reservoir yields evaluated.

Results of the Level II Storage Feasibility Study allowed WWDC to identify the Bull Creek Reservoir concept as the preferred alternative. The Bull Creek Reservoir site had the potential for multiple uses and benefits, not just supplemental irrigation. The Reservoir could be located off-channel on the ephemeral Bull Creek drainage, approximately 5 miles south of the City of Buffalo (City), and would be filled by a pipeline out of Clear Creek. In addition to reducing irrigation shortages on lands both south of Buffalo and on lower French Creek, there was the potential for municipal water to be stored in the reservoir for the City, as well as for storage water to be used to supplement Clear Creek stream flows through town during dry periods, having a positive impact on fisheries and tourism. Furthermore, there could be a conservation pool in the reservoir for public recreation and fisheries, water conservation through consolidation of irrigation ditches, flood control, potential for increased flow in North Fork Clear Creek, as well as direct and indirect economic benefits to the community.

During the 2013 General Session, the Clear Creek Conservation District requested and received additional funding for a Level II, Phase II Storage Feasibility Study to continue to refine data on the storage opportunities analyzed in the Clear Creek Storage, Level II Study. Significant effort was placed on engaging the parties potentially affected and/or benefited by the Bull Creek Reservoir concept. Feedback from the conversations was very positive and plans were to continue the discussion so as to develop the partnerships necessary to bring a project to fruition. Work also focused on hydrologic model refinement, geotechnical and environmental investigations, and economics to further determine the feasibility of the preferred alternative. Geotechnical investigation of the Bull Creek Reservoir site took place in 2014. Results showed a strong foundation to safely build an embankment on, however uncontrolled seepage rates appeared to be high through the bed of the reservoir pool area and surrounding ridges because of bedrock that is predominantly uncemented sandstone. Foundation treatments to control seepage are common and geotechnical engineers analyzed mitigation measures to reduce seepage and increase storage efficiency at the Bull Creek site. Consequently, the overall cost associated with construction of the project increased.

With the information from the subsurface geotechnical investigation and at the recommendation of the WWDO, the Clear Creek Conservation District requested and received additional funding during the 2015 General Session to continue the Level II, Phase II Storage Feasibility Study to further consider the Bull Creek Reservoir site and alternatives to said site. The WWDO and District's intent was to avoid overlooking any feasible alternatives that could be constructed at a lesser cost. Shortly after funding became available, private lands came up for sale higher in the Bull Creek drainage which was previously unavailable for consideration of a reservoir site, but exhibited better geologic conditions. Through coordination and discussions with various agencies and non-governmental organizations, the Office of State Lands and Investment Board of Land Commissioners began analyzing the property and eventually decided to complete a land exchange to acquire the property, as it fit very well with their trust land management objectives. The negotiation of the land exchange opened the door on an Upper Bull Creek reservoir alternative.

A geotechnical investigation of the Upper Bull Creek site was ultimately allowed to take place in the spring of 2016. Results were positive and a geologic data report was completed on the materials laboratory testing. Foundation treatment and embankment design were initiated. Furthermore, an aquatic resource inventory was completed for the site. The project appears to be feasible and a draft report of Level II information has been compiled. A draft results presentation was held in July 2019 and feedback from stakeholders was and will continue to be gathered. If feedback is favorable, additional work in preparation for permitting and final design could include further field work, operation and maintenance plans, beneficiary/stakeholder meetings, and land appraisals and negotiations. Furthermore, Congressional Legislation that could aid in the funding of this project is being closely watched, as it may provide an opportunity for federal partnership, in turn increasing the feasibility of project advancement.

It should be noted that a single storage project cannot alleviate all shortages within the Clear Creek Watershed and that other storage alternatives may need to be advanced in the future to address these shortages.

**21.** **PROJECT:** **Clearmont Well Connection 2019**
LEVEL: III
SPONSOR: Town of Clearmont
LOCATION: Sheridan County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 85 | 2007 | I | $ 75,000 | 2009 |
| Level II | 168 | 2015 | I | $ 750,000 | 2018 |
| Level III | 55 | 2019 | I | $ 328,970 | 2024* |

*67% grant only

PROJECT INFORMATION:
In 2008, a Level I study was completed to determine the impacts of coal bed methane (CBM) development on the Town of Clearmont's two water supply wells. The two wells are constructed into the Wasatch/Fort Union aquifer system. With both wells operating, the Town has a sufficient water supply. However, if Well No. 2 becomes inoperable, the Town would not be able to meet its water supply demands. As a result, one of the recommendations of the Level I Study was to apply to the WWDC for a Level II feasibility study to conduct a well siting study and construct a test/production well to replace Well No. 1.

A test/production well (Clearmont Well No. 3) was completed to a depth of 1,626 feet in April 2016. The well penetrated into the Fort Union Formation. The well yields 100 gpm of water with similar, but slightly lower quality water than the two existing Town wells. From July to August 2017, a second, shallow, test well (Clearmont Alluvial Well) was completed to 70 feet deep into the alluvial deposits. The alluvial test well yielded 15 gpm of non-potable water (~7,620 milligrams per liter, TDS). The Town purchased the new well and is designing the connection of the well to the Town's system.

**22.** **PROJECT:** **Cloud Seeding Medicine Bow Mountains 2020-2021**
LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Medicine Bow and Sierra Madre Mountain Ranges (Wyoming), Never Summer Mountain Range (Colorado)
Albany, Carbon, Converse and Laramie Counties (Wyoming); Jackson, Larimer and Grand Counties (Colorado)
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION: *

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 55 | 2019 | I | $ 589,000 | 2021 |
| Level III | 113 | 2020 | I | $ 705,000 | 2022 |

*Note: Legislative appropriations prior to the 2020 legislative session reference "Weather Modification" as part of the project title instead of "Cloud Seeding".

PROJECT INFORMATION:

Airborne cloud seeding operations targeting the Medicine Bow and Sierra Madre Mountain Ranges, for the winter of 2020-2021, began on November 1, 2020 and concluded on April 15, 2021. Wyoming's funds necessary to run the program were appropriated by the 2020 Wyoming State Legislature through the passage of the "2020 Omnibus Water Bill – Construction". This cloud seeding effort included funding from other water users, as provided by the City of Cheyenne Board of Public Utilities.

Part of this aerial cloud seeding effort included the Upper North Platte River Basin (in northern Colorado) through a collaboration between the WWDO and the Jackson County Water Conservancy District in Walden, Colorado. As a collaborative partner for the third consecutive year, the Jackson County Water Conservancy District, agreed to fund 100% of operational cloud seeding costs that took place over the Never Summer Mountains in Colorado. In the project contract, there are terms that identify a priority of work, with Wyoming target areas as the first cloud seeding priority before any cloud seeding efforts are considered in Colorado. In order for this project to operate within both states, the contractor acquired the appropriate weather modification permits from both the Wyoming State Engineer's Office and the Colorado Water Conservation Board.

Cloud seeding operations in the Medicine Bow and Sierra Madre Mountain Ranges for the winter of 2020-2021 focused on snowpack augmentation as part of a larger strategy for flow augmentation in the North Platte River Basin and Colorado River Basin (west slope of the Sierra Madre Mountains). It should be noted that no water ownership is implied by this participation, nor is there any expectation of a specific amount of water being delivered downstream, and any additional precipitation and subsequent stream flow that is produced through the program is treated as a natural event, and subject to Wyoming Water Law.

Throughout the 2020-2021 cloud seeding season, the operations contractor prepared operational forecasts, maintained equipment, and conducted all aerial seeding operations. In the Medicine Bow and Sierra Madre Mountains, twenty (20) flights were conducted for a total of 100.51 flight hours, consisting of seventeen (17) seed and three (3) reconnaissance missions. Of those flight hours, 22.42 hours were conducted over the Medicine Bow Mountain Range and 78.09 over the Sierra Madre Mountain Range. A total of 97,840 grams of seeding agent were dispensed via ejectable flares and burn-in-place flares. In the Never Summer Mountain Range of Colorado, seven (7) flights were conducted for a total of 33.01 flight hours. Seeding was conducted on all seven missions. A total of 29,810 grams of seeding agent were dispensed via ejectable flares and burn-in-place flares.

**23. PROJECT: Cloud Seeding Medicine Bow Mountains 2021-2022**

LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Medicine Bow and Sierra Madre Mountain Ranges (Wyoming), Never Summer Mountain Range (Colorado)
Albany and Carbon Counties (Wyoming); Jackson, Larimer and Grand Counties (Colorado)
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION: *

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 55 | 2019 | I | $ 589,000 | 2021 |
| Level III | 113 | 2020 | I | $ 705,000 | 2022 |
| Level III | 12 | 2021 | I | $ 728,000 | 2023 |

*Note: Legislative appropriations prior to the 2020 legislative session reference "Weather Modification" as part of the project title instead of "Cloud Seeding".

PROJECT INFORMATION:

Airborne cloud seeding operations targeting the Medicine Bow and Sierra Madre Mountain Ranges, for the winter of 2021-2022, is scheduled to begin on November 1, 2021 and conclude on April 15, 2022. Wyoming's funds necessary to run the program were appropriated by the 2021 Wyoming State Legislature through the passage of the "2021 Omnibus Water Bill – Construction". This current cloud seeding effort includes funding from other water users, as provided by the City of Cheyenne Board of Public Utilities.

Part of this aerial cloud seeding effort includes targeting the Upper North Platte River Basin (in northern Colorado) through a collaboration between the WWDO and the Jackson County Water Conservancy District in Walden, Colorado. As a collaborative partner for the fourth consecutive year, the Jackson County Water Conservancy District, agrees to fund 100% of operational cloud seeding costs that take place over the Never Summer Mountains in Colorado. In the project contract, there are terms that identify a priority of work, with Wyoming target areas as the first cloud seeding priority before any cloud seeding efforts are considered in Colorado. In order for this project to operate within both states, the contractor has acquired the appropriate weather modification permits from both the Wyoming State Engineer's Office and the Colorado Water Conservation Board.

Cloud seeding operations in the Medicine Bow and Sierra Madre Mountain Ranges for the winter of 2021-2022 is focused on snowpack augmentation in the target areas as part of a larger strategy for flow augmentation in the North Platte River Basin and Colorado River Basin (west slope of the Sierra Madre Mountains). It should be noted that no water ownership is implied by this participation, nor is there any expectation of a specific amount of water being delivered downstream, and any additional precipitation and subsequent stream flow that is produced through the program is treated as a natural event, and subject to Wyoming Water Law.

Throughout the 2021-2022 cloud seeding season, the operations contractor will prepare operational forecasts, complete all decision-making processes regarding cloud seeding opportunities, operate and maintain the aircraft, and prepare monthly summaries and a final report. Such operations are expected to increase runoff during Water Year 2022 in the North Platte and Colorado River Basins.

**24. PROJECT: Cloud Seeding Wind River Mountains 2020-2021**

LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Wind River Mountain Range
Fremont and Sublette Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION: *

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 100 | 2014 | I | $ 240,000 | 2015 |
| Level III | 23 | 2015 | I | $ 170,000 | 2017 |
| Level III | 55 | 2016 | I | $ 160,000 | 2018 |
| Level III | 75 | 2017 | I | $ 155,000 | 2019 |
| Level III | 121 | 2018 | I | $ 106,000 | 2020 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Level III | 55 | 2019 | I | $ | 175,000 | 2021 |
| Level III | 113 | 2020 | I | $ | 200,000 | 2022 |

*Note: Legislative appropriations prior to the 2020 legislative session reference "Weather Modification" as part of the project title instead of "Cloud Seeding".

PROJECT INFORMATION:

Cloud seeding operations targeting the Wind River Mountain Range in west-central Wyoming, for the winter of 2020-2021, began on November 15, 2020 and concluded on April 15, 2021. Wyoming's 37% share of the funds necessary to run the program were appropriated by the 2020 Wyoming State Legislature through the passage of the "2020 Omnibus Water Bill – Construction". This effort targeting the Wind River Mountain Range includes the following Lower Colorado River Basin funding partners: the Central Arizona Water Conservation District, the Colorado River Board of California - Six Agency Committee, and the Southern Nevada Water Authority, and the following local funding partners: Genesis Alkali, Rocky Mountain Power Company, and the Green River/Rock Springs/Sweetwater County Joint Powers Water Board.

Cloud seeding operations in the Wind River Mountain Range for the winter of 2020-2021 represent the continuation of an operational program focused on snowpack augmentation in the target area as part of a larger strategy for flow augmentation in the Colorado River Basin. It should be noted that no water ownership is implied by this participation, nor is there any expectation of a specific amount of water being delivered downstream, and any additional precipitation and subsequent stream flow that is produced through the program is treated as a natural event, and subject to Wyoming Water Law.

Throughout the 2020-2021 cloud seeding season, the operations contractor prepared operational forecasts, released soundings, maintained the equipment, and conducted the seeding operations through ten, leased ground-based generators. There was a total of thirty-two (32) seeding events over the Wind River Mountains, and 458.81 gallons of seeding solution were dispensed from all ten generators combined. It should be noted that the project's single east-slope generator ("Enterprise") ran for twelve of the total seeding missions, which is the most this generator has run in a single season.

**25. PROJECT: Cloud Seeding Wind River Mountains 2021-2022**

LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Wind River Mountain Range
Fremont and Sublette Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION: *

| Purpose | Chapter | Session | Account | | Appropriation | Due Date |
|---|---|---|---|---|---|---|
| Level III | 100 | 2014 | I | $ | 240,000 | 2015 |
| Level III | 23 | 2015 | I | $ | 170,000 | 2017 |
| Level III | 55 | 2016 | I | $ | 160,000 | 2018 |
| Level III | 75 | 2017 | I | $ | 155,000 | 2019 |
| Level III | 121 | 2018 | I | $ | 106,000 | 2020 |
| Level III | 55 | 2019 | I | $ | 175,000 | 2021 |
| Level III | 113 | 2020 | I | $ | 200,000 | 2022 |
| Level III | 12 | 2021 | I | $ | 215,000 | 2023 |

*Note: Legislative appropriations prior to the 2020 legislative session reference "Weather Modification" as part of the project title instead of "Cloud Seeding".

PROJECT INFORMATION:
Cloud seeding operations targeting the Wind River Mountain Range in west-central Wyoming, for the winter of 2021-2022, is scheduled to begin on November 15, 2021 and will conclude on April 15, 2022. Wyoming's 37% share of the funds necessary to run the program were appropriated by the 2021 Wyoming State Legislature through the passage of the "2021 Omnibus Water Bill – Construction". The current effort targeting the Wind River Mountain Range includes the following Lower Colorado River Basin funding partners: the Central Arizona Water Conservation District, the Colorado River Board of California - Six Agency Committee, and the Southern Nevada Water Authority, and the following local funding partners: TATA Chemicals, Rocky Mountain Power Company, and the Green River/Rock Springs/Sweetwater County Joint Powers Water Board.

Cloud seeding operations in the Wind River Mountain Range for the winter of 2021-2022 represent the continuation of an operational program focused on snowpack augmentation in the target area as part of a larger strategy for flow augmentation in the Colorado River Basin. It should be noted that no water ownership is implied by this participation, nor is there any expectation of a specific amount of water being delivered downstream, and any additional precipitation and subsequent stream flow that is produced through the program is treated as a natural event, and subject to Wyoming Water Law.

Throughout the 2021-2022 cloud seeding season, the operations contractor will prepare operational forecasts, release soundings, maintain the equipment, conduct the seeding operations through ten, leased ground-based generators, and prepare monthly summaries and a final report. Such operations are expected to increase runoff during Water Year 2022 in the Green, Wind/Big Horn and Platte River Basins.

**26. PROJECT: Cody Canal Rehabilitation 2019**

LEVEL: III
SPONSOR: Cody Canal Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 75 | 2005 | II | $ 250,000 | 2006 |
| Level III | 33 | 2008 | II | $ 200,000 | 2010 |
| Level III | 63 | 2011 | II | $ 223,000 | 2016* |
| Level III | 63 | 2011 | II | $ 50,000 | 2016*** |
| Level III | 141 | 2013 | II | $ 144,000 | 2018* |
| Level III | 55 | 2019 | II | $ 344,000 | 2024*** |

*67% grant, 33% loan
***100% grant for materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
The Cody Canal Irrigation District serves 11,433 acres with a canal system running from the South Fork of the Shoshone River above Buffalo Bill Reservoir to a point several miles northeast of Cody. The system supplies raw water to agricultural uses and urban users as well as supplying a portion of Cody's municipal irrigation water.

The WWDC has provided funding to the sponsor to complete the rehabilitation projects identified in Level II studies. The Cody Canal Rehabilitation Project, which replaced the Sulphur Creek Siphon and Spillway and the Diamond Creek Flume, was completed in 2011. The Cody Canal Chute Project and the Cody Canal Drop Structure Project were both constructed prior to the 2012 irrigation season.

The 2019 phase of construction for Cody Canal converts the Frost and Buchanan laterals from open ditches to concrete pipe. Design and construction of the Buchanan lateral pipeline was completed in Fall and Winter of 2019. Design of the Frost lateral began in September 2020 and construction is anticipated to begin in the Winter of 2021 or 2022, depending on how long coordination with landowners takes during the design phase. Funding is for material only and does not provide for design or labor costs.

**27.** **PROJECT:** **Cody Tank 2017**
LEVEL: III
SPONSOR: City of Cody
LOCATION: Park County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | I | $ 100,000 | 2009 |
| Level III | 75 | 2017 | I | $ 2,412,000 | 2022* |

*67% grant

PROJECT INFORMATION:
In 2008, the City of Cody received WWDC funding to complete a master plan study. The master plan study was completed in 2009. The study provided infrastructure outline and recommendations for the City to pursue. The City has pursued several infrastructure upgrades on their own, partnered with WWDC and is currently looking to partner with WWDC on a new storage tank located on Beacon Hill in Cody, WY. The tank project was identified in the master plan study.

In 2017, the Sponsor received grant funds from the New Development program in the amount of $2,412,000. This amount is for a 67% grant of the project eligible costs. The Sponsor will provide the remaining project funds. During 2017, the Sponsor secured the services of an engineer and initiated the design process. In 2018, the engineer completed project surveying, site location, and is working towards completing the project design. The project is under construction and should be completed in late 2021.

**28.** **PROJECT:** **Cody Water Master Plan**
LEVEL: I
SPONSOR: City of Cody
LOCATION: Park County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 8 | 1995 | I | $ 75,000 | 1996 |
| Level III | 59 | 1996 | I | $ 785,000 | 1999 |
| Level III | 45 | 1997 | II | $ 850,000 | 2000 |
| Level I | 33 | 2008 | I | $ 100,000 | 2009 |
| Level III | 14 | 2012 | I | $ 408,700 | 2017 |
| Level III | 75 | 2017 | I | $ 2,412,000 | 2022 |
| Level I | 150 | 2020 | I | $ 205,000 | 2023 |

PROJECT INFORMATION:
The City of Cody operates two water distribution systems, the first for treated water and the second for raw water. The treated water system provides domestic water, fire suppression, and a portion of the irrigation needs within the City's corporate limits. The raw water system provides irrigation to only a portion of the City's corporate limits estimated at fifty percent of the City's land area. The treated water

system was last analyzed in a master plan in 2009 and the raw water system had a separate analysis in 1996. Significant modifications, upgrades, and repairs have been made to both systems since that time, along with new growth and development throughout the City.

The City requested a master plan to analyze both the drinking and raw water systems, update hydraulic models and mapping, determine future growth and water needs, and develop a schedule for system upgrades and the corresponding rate structure necessary to accommodate those upgrades. The Consultant was given notice to proceed in Spring of 2020 and the project was completed in 2021.

The study identified needs for both the drinking water and raw water systems along with cost estimates for all of the improvements to both systems. The study did not identify the need for any immediate Water Development Commission eligible projects. The following are recommendations from the study:

Drinking water system improvements:

- Maintenance work on existing storage tanks
- Replacing select pressure reducing valves
- Renovate select pump stations
- Replace all undersized water lines and all cast iron, ductile iron, and asbestos cement pipes
- Anticipate potential annexation areas
- Continue general maintenance on system components

Raw water system improvements:

- Raw water pump station upgrades with accompanying filter system installation
- Maintenance work on the existing storage tank
- Anticipate system expansion

The City of Cody intends to begin capital improvement recommendations identified in the study beginning in 2022. The final deliverable for the study is expected in November and the project will be closed out in January.

**29. PROJECT: Cokeville Tri-Diversion Structure**

LEVEL: III
SPONSOR: Cokeville Watershed Improvement District
LOCATION: Lincoln County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 9 | 1995 | II | $ 50,000 | 1996 |
| Level III | 59 | 1996 | II | $ 160,000 | 1998 |
| Level II | 74 | 2014 | II | $ 100,000 | 2016 |
| Level III | 55 | 2016 | II | $ 400,000 | 2021* |
| Level III | 55 | 2019 | II | $ 520,935 | 2022** |

*67% grant, 33% Loan

**The 2016 appropriation of $400,000 was replaced by a grant of $388,935 and a loan of $132,000 and the reversion date was changed from July 1, 2021 to July 1, 2022.

PROJECT INFORMATION:

The Cokeville Tri-Diversion Structure was built in the early 1960's. A Level II study and report for the Cokeville Tri-Diversion Structure was funded by the WWDC in 1995. A construction appropriation was approved by the WWDC in 1996 and the sponsor used $17,919 for repair of the diversion structure. Two

of the three canals (Spring Creek and Middle Channel) receiving water from the diversion flow through the Town of Cokeville. Although the District does not currently own the actual structure, the District has operated and maintained the structure for many years, and they are taking steps to acquire ownership of the facility.

Funding was appropriated in 2014 for a Level II study to obtain plans for engineering designs and construction cost estimates for the Tri-Diversion Structure. The District hopes to use these designs to perform repairs due to the poor condition and inefficiency of the existing diversion structure. The final report for the 2014 Level II study was completed in 2015.

In 2016, the Legislature appropriated funding for the design and construction to rehabilitate the existing structure. The 2016 appropriation included $268,000 in grant funding and $132,000 in loan funding. The District sought grant funding from Wyoming Wildlife and Natural Resource Trust Fund in order to reduce the debt they would acquire due to the loan portion of funding awarded through the WWDC.

The Cokeville Watershed Improvement District was able to secure additional grant funding through the Wyoming Wildlife and Natural Resource Trust Fund. After the District secured additional grant funding, the District submitted a 2018 funding to consolidate the project into one phase rather than two. The 2018 appropriation included $388,935 in grant funding and $132,000 in loan funding. The 2018 funding request replaces the 2016 funding request. Design for the Tri-Diversion Structure began in May 2019. The project initially went to bid in November 2019, and received only one bid, which was rejected due to being well in excess of the available budget. The project rebid in April 2020. Construction began in August 2020 and anticipated to be substantially complete in December 2020. The structure was in operation in 2021, and the WWDO performed a final walk-through with the District in August of 2021. The project was closed in 2021with a total cost of $475,983.07.

**30. PROJECT: Cottonwood Irrigation District Pipeline Replacement 2018**

LEVEL: III
SPONSOR: Cottonwood Irrigation District
LOCATION: Lincoln
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 38 | 2016 | II | $ 165,000 | 2018 |
| Level III | 121 | 2018 | II | $ 834,000 | 2023* |
| Level III | 113 | 2020 | II | $ 1,540,000 | 2025* |

*67% grant, 33% loan

PROJECT INFORMATION:
Cottonwood Irrigation District (CID) delivers water from Cottonwood Creek through pipelines to irrigate 5,185 acres for 340 landowners. The transmission pipelines are approximately 45 years old, and experience significant corrosion breaks that can disrupt water delivery for a significant amount of time.

This project replaced 10,780 linear feet of existing steel irrigation transmission lines on Laterals 22 and 24 with PVC pipe to eliminate water losses from the pipeline breaks, and improve overall irrigation efficiency. The project was completed successfully in May 2020, and was closed out in 2021 with a total cost of $777,565.24.

**31. PROJECT: Cottonwood Irrigation District Transmission Pipeline 2020**

LEVEL: III
SPONSOR: Cottonwood Irrigation District
LOCATION: Lincoln
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 38 | 2016 | II | $ 165,000 | 2018 |
| Level III | 121 | 2018 | II | $ 834,000 | 2023* |
| Level III | 113 | 2020 | II | $ 1,540,000 | 2025* |

*67% grant, 33% loan

PROJECT INFORMATION:
Cottonwood Irrigation District (CID) delivers water from Cottonwood Creek through pipelines to irrigate 5,185 acres for 340 landowners. The transmission pipelines are approximately 45 years old, and experience significant corrosion breaks that can disrupt water delivery for a significant amount of time.

This project will replace 5,750 linear feet of existing steel pipelines in portions of Laterals L-6, L-7 and L-27 with PVC pipe. CID relies on these segments of pipeline to provide service to the rest of the district. Observations of the poor condition of the pipe in 2018 and 2019 moved the priority up from what was indicated in the Level I study. Replacement will eliminate water loss due the pipeline breaks, and improve overall irrigation efficiency. In 2021, CID contracted with a consulting engineer for this project, and the consultant is currently finalizing the design.

**32. PROJECT: Cowley Tank 2017**

LEVEL: III
SPONSOR: Town of Cowley
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 75 | 2008 | I | $ 1,366,800 | 2013 |
| Level III | 141 | 2013 | I | $ 554,023 | 2018 |
| Level I | 168 | 2015 | I | $ 135,000 | 2018 |
| Level III | 75 | 2017 | I | $ 3,155,700* | 2022* |

*67% grant

PROJECT INFORMATION:
As recommended and prioritized in the 2016 master plan, this project includes the installation of a new 500,000-gallon elevated water tank with associated 2,300 feet of water transmission line, valves, and connections to replace the current, undersized 200,000-gallon tank and existing asbestos-cement water lines. The project also entails installation of a chlorination unit for disinfection and backflow prevention on four taps along the town's transmission line before the chlorination unit. This project was completed and closed out April 2021.

**33. PROJECT: Deaver Irrigation District Frannie Canal Drop Chute #1 2020**

LEVEL: III
SPONSOR: Deaver Irrigation District
LOCATION: Park and Bighorn Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 168 | 2015 | II | $ 162,000 | 2018 |
| Level III | 75 | 2017 | II | $ 91,000 | 2022* |
| Level III | 121 | 2018 | II | $ 230,000 | 2023* |
| Level III | 55 | 2019 | II | $ 424,000 | 2024* |
| Level III | 113 | 2020 | II | $ 166,200 | 2025* |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:

The Deaver Irrigation District Master Plan was completed in the fall of 2016. The sponsor received authorization from the 2020 Legislature for a material only project for one of the high priority projects identified in the Master Plan. The project is for the replacement of the Frannie Canal Drop Chute #1. The 100-year-old structure is deteriorating rapidly despite repairs. This drop chute carries the entire District's water supply for the system. The project is being designed and construction is scheduled for the Winter 2021-2022

**34. PROJECT: Douglas Box Elder Spring**

LEVEL: III
SPONSOR: City of Douglas
LOCATION: Converse County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | I | $ 200,000 | 2010 |
| Level III | 63 | 2011 | I | $ 1,487,400 | 2016* |
| Level III | 55 | 2016 | I | $ 9,447,000 | 2019** |
| Level III | 121 | 2018 | I | $ 0 | 2021*** |

*67% grant
**The 2011 appropriation of $1,487,400 was increased by $7,959,600 to $9,447,000 and the reversion date extended to from July 1, 2016 to July 1, 2019.
***The 2011 appropriation reversion date extended to from July 1, 2019 to July 1, 2021.

PROJECT INFORMATION:

The City of Douglas has three water sources to meet its potable water demands and a recently completed water treatment plant. The City is experiencing significant growth which is projected to continue in the immediate future when considering coal, oil & gas, uranium, wind energy, and pipeline corridor industries active in Converse County. In order to address the current and projected growth and meet the needs of the community, the city requested and received a Level I master plan in 2009. The master plan was completed in October 2010 and concluded the City's priority should be to replace the Box Elder spring house and the aging 16-mile pipeline from the spring to the City of Douglas.

In 2011, the City of Douglas received a Level III – Phase I New Development project with an appropriation of $1,487,400 (67% grant). The City used their general funds and/or water funds for the

remaining 33% of project costs. The appropriation was for the design of the entire project and funds to construct the spring house. The spring house project is completed.

In 2016 the Legislature approved New Development Level III – Phase II funding with an appropriation of $7,959,600. The financing plan includes a 67% grant to be used for construction and construction management activities related to the transmission pipeline from the Little Box Elder Spring to the City's current water system. The sponsor will be responsible for obtaining the remaining 33% funding. Construction was completed in the spring of 2021 and closed out in late summer 2021.

**35. PROJECT: Douglas Test Well Study**

LEVEL: II
SPONSOR: City of Douglas
LOCATION: Converse County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | I | $ 200,000 | 2012 |
| Level III | 63/55 | 2011/16 | I | $ 9,447,000 | 2019 |
| Level II | 65 | 2017 | I | $ 1,205,000 | 2020 |

PROJECT INFORMATION:

The City of Douglas has three water sources to meet its potable water demands including a 2007-2008 renovation of the water treatment plant on the North Platte River. The City has experienced significant growth in Coal, Oil & Gas, Uranium, Wind Turbine, and Pipeline corridor industries active and with future development potential in Converse County. Currently, summer demands are equal to the combined yields of the Little Boxelder Spring and the Sheep Mountain No. 1 Well. Extended periods of elevated turbidity in the North Platte River result in the inability to effectively operate the water treatment plant to meet maximum day demands, therefore a supplemental ground water supply source would provide certainty in meeting high demand periods.

A well siting exercise has been completed and negotiations are in process with landowners to acquire temporary and permanent easements for test drilling and pipeline/power alignments. The project was ongoing through 2021 and will continue into 2022.

**36. PROJECT: Dry Creek Irrigation District Pipeline Replacement 2019**

LEVEL: Level III
SPONSOR: Dry Creek Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 168 | 2015 | II | $ 150,000 | 2018 |
| Level III | 75 | 2017 | II | $ 670,000 | 2022* |
| Level III | 55 | 2019 | II | $ 1,628,000 | 2024* |

*67% grant, 33% loan

PROJECT INFORMATION:

The Dry Creek Irrigation District (DCID) is located in Star Valley just south of Afton, Wyoming. The District delivers water to approximately 3,600 acres for 230 landowners, and is experiencing increased failures of the steel pipe that has been in the ground for more than 40 years.

The Dry Creek Irrigation System was installed in the 1970s and has functioned well but is now showing indications of failure in the steel pipelines. Inspection and condition assessment completed as part of the Master Planning effort suggests all of the 19 miles of steel pipelines are experiencing significant corrosion. It is recommended that all steel lines be replaced. Because this would be too expensive for the District to replace all of the pipelines at once, the master planning included prioritization of pipeline segments so that the District could accomplish a phased replacement based on affordability of rates.

This project replaced 13,980 linear feet of 10", 12", 14", and 16" steel pipeline with new PVC C900 DR 18 pipe. The 2019 appropriation replaced the LN-4 and LN-5 pipeline sections, which were identified in the Master Plan. The project included an end of the line drain to allow discharge to the Salt River and drainage of the pipeline into an adjacent gravel drain area. Design of the project began in May 2019, and advertised for construction in the Fall of 2019. Construction began in the Fall 2019, and was completed in May 2020. This project was closed out in 2021 with a total cost of $901,545.48.

**37. PROJECT: Dry Creek Irrigation District Pipeline Replacement 2020**

LEVEL: Level III
SPONSOR: Dry Creek Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 168 | 2015 | II | $ 150,000 | 2018 |
| Level III | 75 | 2017 | II | $ 670,000 | 2022* |
| Level III | 55 | 2019 | II | $ 1,628,000 | 2024* |
| Level III | 113 | 2020 | II | $ 1,340,000 | 2025* |

*67% grant, 33% loan

PROJECT INFORMATION:
The Dry Creek Irrigation District (DCID) is located in Star Valley just south of Afton, Wyoming. The District delivers water to approximately 3,600 acres for 230 landowners, and is experiencing increased failures of the steel pipe that has been in the ground for more than 40 years.

The Dry Creek Irrigation System was installed in the 1970s and has functioned well but is now showing indications of failure in the steel pipelines. Inspection and condition assessment completed as part of the Master Planning effort suggests all of the 19 miles of steel pipelines are experiencing significant corrosion. It is recommended that all steel lines be replaced. Because this would be too expensive for the District to replace all of the pipelines at once, the master planning included prioritization of pipeline segments so that the District could accomplish a phased replacement based on affordability of rates.

This project is to replace 8,780 linear feet of pipe associated with LS-2 and LS-2B segments as outlined in the 2016 Level II DCID Infrastructure Master Plan. The overall project is in its third phase of Level III construction. In 2020, DCID hired a consulting engineer, and the consultant completed the design in 2021.The project is going out to bid in late 2021.

**38. PROJECT: Eden Valley Irrigation District System Improvements 2019**

LEVEL: III
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sweetwater County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 55 | 2019 | II | $ 351,000 | 2024* |

*54% grant only

PROJECT INFORMATION:
The Eden Valley Irrigation and Drainage District (EVIDD) serves approximately 16,895 agricultural acres in Sweetwater County, Wyoming near the towns of Eden and Farson. EVIDD receives water from the Big Sandy and Little Sandy Rivers and has storage in the Big Sandy and Eden Reservoirs. EVIDD typically provides 42,000 acre-feet of water through open canals and pipelines to the local crop and livestock producers in the area. The 2019 Level III project includes lining 1,100' of the Eden Canal with PVC liner protected with 5 inches of fiber reinforced shotcrete. The existing sand trap will be reconstructed. The reconstruction includes a concrete basin to retain the sand and piping to return flush water to the canal. Currently the water from the sand trap is being lost to the system. The design phase is completed and the project was bid. However, the bids received were well above the estimate and the bids were rejected with plans to rebid in 2022 when the bidding environment is hoped to be better.

**39. PROJECT: Eden Valley Irrigation District Farson Lateral 2020**

LEVEL: III
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sweetwater County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 113 | 2020 | II | $ 2,262,000 | 2025* |

*60% grant only

PROJECT INFORMATION:
The Eden Valley Irrigation and Drainage District (EVIDD) serves approximately 16,895 agricultural acres in Sweetwater County, Wyoming near the towns of Eden and Farson. EVIDD receives water from the Big Sandy and Little Sandy Rivers and has storage in the Big Sandy and Eden Reservoirs. EVIDD typically provides 42,000 acre-feet of water through open canals and pipelines to the local crop and livestock producers in the area. The 2020 Level III project includes converting 6,100 feet or open anal to 63-inch HDPE pipe.

The design phase is completed and the project was bid. However, the bids received were well above the estimate and the bids were rejected with plans to rebid in 2022 when the bidding environment is hoped to be better.

**40. PROJECT: Enterprise Watershed Improvement District Canal Lining 2020**

LEVEL: III
SPONSOR: Enterprise Watershed Improvement District
LOCATION: Fremont
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 85 | 2007 | II | $ 100,000 | 2008 |
| Level III | 113 | 2020 | II | $ 610,000 | 2025* |

*67% grant / 33% loan

PROJECT INFORMATION:
The Enterprise Watershed Improvement District irrigation system, south of Lander, Wyoming, is a trans-basin system that diverts water from the Middle Popo Agie River watershed and applies it to lands in the Little Popo Agie River basin. This ditch is within the jurisdiction of the Enterprise Watershed Improvement District, which is the Sponsor for this project. The District has a direct flow diversion right of 21.2 cfs from the Roaring Fork River. The water is diverted from a headgate into a canal, and the system includes the Frye Lake storage facility, which can store 1,697 acre-feet.

This project is to convert 4,600 feet of open ditch within the Sawmill reach of the Enterprise Ditch to pipeline. The Enterprise Conservation Program Level II study identifies the Sawmill reach as the top priority for the district to improve water supply and delivery. The District is currently working to hire an engineer to design and oversee the project.

**41. PROJECT: Ethete Water Supply**

LEVEL: III
SPONSOR: Northern Arapaho Tribal Business Council
LOCATION: Fremont County, Wind River Indian Reservation
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 34 | 2004 | I | $ 700,000 | 2006 |
| Level II | 99 | 2006 | I | $ 605,000 | 2009 |
| Level III | 121 | 2007 | I | $ 3,200,000 | 2012* |
| Level II | 33 | 2008 | I | $ 685,000 | 2010 |
| Level III | 68 | 2010 | I | $ 2,000,000 | 2015** |
| Level III | 23 | 2015 | I | $ 0 | 2018† |
| Level III | 55 | 2016 | I | $ 2,247,850 | 2021* |
| Level III | 121 | 2018 | I | $ 0 | 2021† |
| Level III | 12 | 2021 | I | $ 0 | 2023† |

*2008 reverted back to WWDC
**50% grant, 50% sponsor
†Time extension only

PROJECT INFORMATION:
The Ethete area water system (operated by Northern Arapaho Utilities) relies solely upon highly variable (in both quantity and quality) surface water diverted from the Little Wind River. Low flows, due to irrigation demands in the summer and natural low flows in the winter often leave Arapaho Utilities (NAU) unable to divert enough water to meet domestic water needs. High turbidities during runoff and after the South Fork II fire (June 2002) have also caused significant operational problems, which reinforces the need for a reliable ground water source.

In 2004, WWDC funding was acquired to investigate the feasibility of developing available groundwater resources, drill test wells at locations identified in the feasibility study, and develop a master plan for Northern Arapaho Utilities to prioritize needed infrastructure improvements. Additional funding was requested in 2006 to drill a Madison formation well.

In 2007, the WWDC recommended the project be continued in the New Development Program at Level III with an appropriation of $3,200,000. The legislature approved the appropriation at 67% grant and 33% loan. The proposed Level III project included construction, pipeline, materials, and appurtenances necessary for incorporation of the Level II test well into the existing NAU water supply system that serves the community of Ethete and the surrounding area. Upon completion of the Madison well on Sage Creek

Anticline in March 2007, it was determined that flows and water quality would not meet the minimum requirements for the sponsor's needs and the well was subsequently plugged and abandoned. In 2008, Level III funds were reverted and the WWDC and NAU began consideration of other options.

Secondary source supply exploration was deemed feasible from two additional aquifer systems. The Wind River Formation is the source supply to the City of Riverton, Town of Shoshoni, and the community of Arapahoe, and therefore held promise in its proximity to Ethete. The other alternative was the broad alluvial sand/gravel sequence identified in the valley of the Little Wind River. Test drilling of the Wind River Formation was completed in late 2008 and test drilling of Little Wind River alluvial deposits occurred in summer of 2009. Adverse water quality conditions (high radionuclides – Ra 226 + Ra 228) precluded development of the Wind River Formation aquifer, but adequate water quantity and quality conditions were discovered in the alluvial well test wells just north of the Fremont County District 21 Elementary/Middle School in the Little Wind River valley.

In 2010, the legislature approved Level III funding for the development of an alluvial well field and transmission pipeline to the existing Ethete water treatment plant.

Late in 2013, the Northern Arapaho was able to provide a positive audit to Rural Development (USDA) in order to obtain the remaining funds for the project.

The sponsor has completed the design and the construction of several smaller portions of the project. The high service pumps at the water treatment plant were completed late 2017. The Ethete Leak Detection investigation and report was completed and presented to the Sponsor in 2017. In late 2018, the sponsor completed the water tank rehabilitation. The sponsor also completed a non-WWDC project to provide water meters and backflow preventers in 2017.

A test well has been completed and the project should move forward. The well field transmission cannot be designed until the well field is constructed.

**42. PROJECT: Etna Storage Tank 2019**

LEVEL: Level III
SPONSOR: Etna Water and Sewer District
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 043 | 1992 | II | $ 180,000 | 1997 |
| Level III | 028/038 | 1994/98 | I | $ 690,000 | 2002* |
| Level III | 55 | 2019 | II | $ 1,001,650 | 2024 |

*67% grant

PROJECT INFORMATION:

Etna Water and Sewer District's (District) water system source supply is the Lee Spring in Strawberry Creek canyon and the Etna Well No. 1. From the spring, water gravity flows 1 mile via 6" transmission line to a 250,000-gallon buried storage tank. From the storage tank water flows 1½ miles via 8" transmission line into the Etna distribution system consisting of approximately 16,000 feet of 4" and 8" water lines. The well ties into the system between the storage tank and the distribution system.

The District's storage concerns stem from allocated system connections (existing and future) which exceed the existing storage. The District cannot approve new taps with the current storage capacity. In order for future average and maximum demand requirements plus required fire storage to remain within

Wyoming DEQ Chapter 12 design standards, the District requires storage component expansion. This project provides a 67% grant for the installation of a 500,000-gallon storage tank adjacent to the existing 250,000-gallon tank as additional storage capacity. The District will be responsible for the remaining 33% of the project cost. The project is complete except for completion of the punch list.

**43.** **PROJECT:** **Fontenelle Dam & Outworks Infrastructure Completion**
LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Lincoln and Sweetwater Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 38 | 2016 | I | $ 200,000 | 2019 |
| Level II | 94 | 2018 | I | $ 750,000 | 2024 |

PROJECT INFORMATION:
Fontenelle Dam, located on the Green River in Southwest Wyoming, is a 139 foot tall dam with a total capacity of 345,360 acre-feet. Originally constructed as part of the U.S. Bureau of Reclamation's Seedskadee Project, the facility regulates Green River flows and stores water that is currently used for power generation, fish and wildlife, and recreation. Irrigation, municipal, and industrial are also permitted uses, but are not currently exercised.

From Leading the Charge, Wyoming Water Strategy, Governor Mathew H. Mead, 2015, Water Development Initiatives:

*Capacity to store and beneficially use water is a protection to the state, municipalities, business, and individuals. It makes use in the future possible. An accessible pool of stored water provides assurance that commitments can be met to deliver water to other states as agreed to by compact.*

*Fontenelle Dam has 346,000 acre-feet of storage. Two factors limit the utility of the structure to realize its capacity to maximize beneficial use: lack of armoring to protect the lower interior dam face and lack of requisite infrastructure to utilize stored water. Completion of the dam and updating of infrastructure could potentially allow from 100,000 to 200,000 acre-feet of usable storage to be accessed on the Upper Green, without noticeable change to the environmental footprint of the development. This initiative will state the planning, permitting, and collaborative agreements necessary to realize the full potential of this asset.*

A Level II feasibility study, which was approved by the Legislature during the 2016 Budget Session, analyzed the feasibility of making 80,796 acre-feet of currently inactive capacity usable. The State of Wyoming is also currently considering options for leasing the remainder of the active capacity (139,000 acre-feet) that is available for contract from the U.S. Bureau of Reclamation (Reclamation). A separate effort will investigate this contracting opportunity. In order to address the practicality of making this inactive capacity available for use, the project investigated the feasibility associated with adding riprap, or other armoring, to a portion of the submerged dam face from approximately elevation 6,460' to the top of the dead pool at elevation 6,408'. Furthermore, the project identified potential environmental impacts that would result from project implementation. The project considered construction sequencing, potential power generation impacts, functionality of the existing outlet works, permitting, and interagency coordination.

While the Water Strategy does not define a particular future use for the additional active storage, there may be a variety of potential uses that could benefit the State of Wyoming. At this time, it appears that the most feasible option is to utilize the storage to mitigate a Colorado River curtailment scenario and, perhaps offset a curtailment of consumptive use in Wyoming. A key component of the project was interagency coordination. Representatives from Reclamation, Wyoming State Engineer's Office, U.S. Fish and Wildlife Service, Wyoming Game and Fish Department, U.S. Bureau of Land Management, and Trout Unlimited were included in meetings to facilitate project development and ensure collaboration.

The Level II feasibility project was wrapped up with a final report that was published in December, 2018. Ultimately, the recommended approach to protecting the submerged dam face was to place traditional riprap material "in the wet" with an estimated implementation cost of $15.3M (~$16.5M estimated 2020 cost). However, toward the conclusion of the Level II feasibility study in late 2018, Reclamation suggested the potential for an "extreme event alternative". This alternative proposed that it may be possible to draw down the reservoir with the submerged dam face unprotected as a temporary solution in the event of an extreme drought.

During the 2018 Legislature, an additional $750,000 was appropriated to continue evaluating the WWDC Level II study concepts with Task Orders for Risk Assessment, Design, and NEPA under the existing Reclamation Technical Service Agreement 15-WC-40-599. Since the completion of the WWDC Level II study, Reclamation has completed the Risk Assessment Task Order analyzing the risks associated with drawing down the reservoir below the riprap elevation. Some of the results of the Risk Assessment are as follows:

- There are no new potential failure modes (PFMs) and any effects to risk neutrality can be mitigated.
- Riprap does not need to be placed prior to drawdown.
- One occurrence for 1-year is acceptable with repairs to embankment erosion.
- Multiple occurrences or a duration >1-year will require riprap extension.
- Any damage to the embankment needs to be repaired or riprap needs to be extended.

Current work includes discussions on development of contracts for all uncontracted water within Fontenelle Reservoir. Furthermore, the Design, NEPA and contracting processes for eventual riprap placement are being worked through. Based on the Level II Study and subsequent discussion, it is felt there will be sufficient forewarning of a curtailment. However, when it is necessary to armor the unprotected portion of the dam face upon drawdown at the time of the extreme drought event, plans and specifications will need to be in place, and Reclamation's procurement and construction contracting process will need to be on standby.

**44.** **PROJECT:** **Gillette Madison Pipeline**
LEVEL: III
SPONSOR**:** City of Gillette
LOCATION: Campbell County
PROGRAM: Special Legislation

EXISTING AND PRIOR LEGISLATION:

| Session | Chapter | Grant (67%) Appropriation | Account | Loan (33%) Appropriation | Account | Total |
|---|---|---|---|---|---|---|
| 2009 | 103 | $ 11,222,500 | Budget Reserve | $ 5,527,500 | Permanent Mineral Trust | $ 16,750,000 |
| 2010 | 115 | $ 16,415,000 | WDA III | $ 8,085,000 | Permanent Mineral Trust | $ 24,500,000 |
| 2011 | 61 | $ 6,960,430 | General Fund | | | |
| | 61 | $ 25,402,070 | AML | $ 15,939,739 | Permanent Mineral Trust | $ 48,302,239 |
| 2012 | 26 | $ 6,975,000 | General Fund | | | |
| | 27 | $ 23,025,000 | AML | $ 14,776,119 | Permanent Mineral Trust | $ 44,776,119 |
| 2013 | 156 | $ 30,000,000 | AML | $ 0* | | $ 30,000,000 |
| 2014 | 26 | $ 13,385,995 | SIPA | $ 0* | | |
| | 26 | $ 12,406,005 | AML | $ 0* | | $ 25,792,000 |
| 2015 | 142 | $ 0 | | $ 0 | | $ 0** |
| TOTAL | | $145,792,000 | | $ 44,328,358 | | $ 190,120,358 |

*33% funding from the Campbell County Capital Facilities Tax
**Time extension only

PROJECT INFORMATION:
This project will provide water regionally to the City of Gillette and to approximately forty-three districts in Campbell County. Water for the regional system is supplied from five Madison wells located north of Moorcroft, WY. The major components of the Gillette Madison Water Supply include of the following:

1. Approximately 50 miles of transmission pipeline ranging in size from 36-inch to 42-inch diameter

2. Power transmission system upgrades and booster pump station near Rozet

3. New electrical system, disinfection facility and storage tanks at the Pine Ridge well field site

4. Transmission system that will serve the design year 2040 population of 57,562 for the Gillette Regional Area and provide an additional 16,000-gpm (23 MGD) to the regional water system.

5. New Madison Formation Well Field with five (5) initial new wells capable of producing 1,400-gpm each and ultimately, 12 new wells to be developed over the next thirty years as water demands increase.

6. Treated water storage tanks in Campbell County and transmission pipeline stub-outs to accommodate future regional extensions to serve existing and future demands for over 40 recognized water districts and subdivisions not currently receiving city water.

The City of Gillette completed a Level I study that included conceptual pipeline designs and budget-level cost estimates to connect regional customers not currently served by the City of Gillette. The Level I study estimated extension design and construction costs at $60 million to extend water service to regional customers.

The City of Gillette and Campbell County Elected Officials executed a Joint Powers Agreement (JPA) and held a special election on May 3, 2011 to secure a capital facilities tax for the project. The residents of Campbell County passed the capital facilities tax by a vote of 3,554 to 721. In October 2014, the JPA Water Rates Panel established wholesale water rates for the regional system.

The City of Gillette has completed construction of the two Madison formation test wells, including well houses and permanent pump equipment, and the well field piping. All of the transmission pipelines are constructed as well as the Madison pump station and Pine Ridge disinfection facility.

Projects currently under construction include Contract 4a – three new Madison production wells, and Contract 2b – Well field piping, pumps and equipment. Additionally, the City of Gillette still needs to bid Contact 2c to connect M13, M14 and M15 wells to the well field transmission pipeline system.

The City received Discharge Permits from the Wyoming DEQ, and started to pump testing wells M13, M14 and M15, but the 30-inch transmission line that carried the discharge from the pump tests ruptured in May of 2021. The project has been shut down while the City works with its contractors to repair the transmission line, which will delay the completion of the project. In Summer of 2021, the City requested a time extension of the reversion date for the project until July 1, 2024.

**45.** **PROJECT:** **Gillette Regional Extensions 2017**
LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 88 | 2008 | I | $ 350,000 | 2011 |
| Level II | 57 | 2012 | I | $ 500,000 | 2015 |
| Level III | 75 | 2017 | I | $ 361,800 | 2022* |
| Level III | 121 | 2018 | I | $ 2,391,900 | 2022† |
| Level III | 55 | 2019 | I | $ 0 | 2022†† |

*67% grant only.
† 67% grant only. The 2017 appropriation of $361,800 was increased by $2,030,100 to $2,391,900.
††Language was added to the legislation stipulating Crook County residents can connect to the 8-inch and 12-inch pipeline at Pine Ridge, City of Gillette wholesale water rates and connection fees for Crook County users will be similar to those as Campbell County users, future water districts adjacent to the indicated pipelines shall have the opportunity to connect to the water system, new users shall be limited to 40,000 gallons per month for rural domestic use and 80,000 gallons per month for municipal use (including stock use) during the city's high demand months of June, July, August and September.

PROJECT INFORMATION:
The Level I Gillette Regional Master Plan was completed in 2010. The plan identified three (3) necessary components of the regional water project.

1. The Gillette Madison Pipeline Project serves as the mainframe water supply infrastructure that provides water to the service area, which includes the City of Gillette and surrounding rural water districts.

2. The Gillette Regional Extensions provide the pipeline extensions from the mainframe water supply system needed to serve the rural water districts.

3. The Gillette Regional Connections provide the infrastructure needed for the direct connections of the rural water districts to the extensions.

The 2008 Level I study estimated the total cost of the extensions projects at approximately $60M. The 2012 Level II appropriation evaluated Antelope Valley I&SD, Bennor Estates I&SD, Freedom Hills I&SD and the South Fork Estates I&SD water systems.

In 2017, the Legislature appropriated $361,800 for the Gillette Regional Extension 2017 project. This project represents the third Gillette regional extensions project funded by the Legislature. The 2017 appropriation is for project design, permitting and land acquisition for the Meadow Springs Improvement and Service District, American Road Water and Sewer District, Freedom Hills Improvement and Service District and the Crestview Improvement and Service District.

In 2018, the Legislature appropriated an additional $2,030,100 to the project for construction. The project is currently under design, and has been delayed by efforts to obtain easements. In 2021, the City of Gillette requested a two-year time extension of the reversion date to complete the project by July 1, 2024.

**46. PROJECT: Gillette Regional Extensions – Phase II**

LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 88 | 2008 | I | $ 350,000 | 2011 |
| Level III | 55 | 2016 | I | $ 562,800 | 2021* |
| Level III | 75 | 2017 | I | $ 2,237,800 | 2021† |

*67% grant only.
†67% grant only. The 2016 appropriation of $562,800 was increased by $1,675,000 to $2,237,800

PROJECT INFORMATION:
The Level I Gillette Regional Master Plan was completed in 2010. The master plan identified three (3) necessary components of the regional water project.

1. The Gillette Madison Pipeline Project serves as the mainframe water supply infrastructure that provides water to the service area, which includes the City of Gillette and surrounding rural water districts.

2. The Gillette Regional Extensions provide the pipeline extensions from the mainframe water supply system needed to serve the rural water districts.

3. The Gillette Regional Connections provide the infrastructure needed for the direct connections of the rural water districts to the extensions.

The 2010 Level I study estimated the total cost of the extensions projects at approximately $60M.

In 2016, the Legislature appropriated $562,800 for the Gillette Regional Extensions – Phase II project. This project represents the second Gillette regional extensions project funded by the Legislature. The 2016 appropriation is for the project design, permitting and land acquisition to connect the Eight Mile Improvement & Service District, Stone Gates Estates and Rocky Road to the regional water supply system.

In 2017, the Legislature appropriated an additional $1,675,000 to the project for the connection of the Eight Mile and Stone Gate Estates Improvement & Service Districts to the Gillette water system. The project was completed in 2021.

**47. PROJECT: Gillette Regional Extensions Phase IV - 2018**

LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 88 | 2008 | I | $ 350,000 | 2011 |
| Level II | 38 | 2016 | II | $ 65,000 | 2019* |
| Level II | 38 | 2016 | II | $ 130,000 | 2019** |
| Level III | 121 | 2018 | I | $ 1,809,000 | 2023*** |
| Level III | 55 | 2019 | I | $ 0 | 2023**** |

*Buckskin Extension Master Plan / Gillette Regional
**Fox Ridge Extension Master Plan / Gillette Regional
***67% grant
****Language was added to the legislation stipulating Crook County residents can connect to the 8-inch and 12-inch pipeline at Pine Ridge, City of Gillette wholesale water rates and connection fees for Crook County users will be similar to those as Campbell County users, future water districts adjacent to the indicated pipelines shall have the opportunity to connect to the water system, new users shall be limited to 40,000 gallons per month for rural domestic use and 80,000 gallons per month for municipal use (including stock use) during the city's high demand months of June, July, August and September.

PROJECT INFORMATION:
The Level I Gillette Regional Master Plan was completed in 2010. The plan identified three (3) necessary components of the regional water project.

1. The Gillette Madison Pipeline Project serves as the mainframe water supply infrastructure that provides water to the service area, which includes the City of Gillette and surrounding rural water districts.

2. The Gillette Regional Extensions provide the pipeline extensions from the mainframe water supply system needed to serve the rural water districts.

3. The Gillette Regional Connections provide the infrastructure needed for the direct connections of the rural water districts to the extensions.

The Level I study estimated the total cost of the extensions projects at approximately $60M. The 2016 Level II studies evaluated the Buckskin Improvement and Service District and Fox Ridge Improvement and Service District's water systems. Recommendations from the Level II studies included connecting to the Gillette Regional Water Supply system.

In 2018, the Legislature appropriated $1,809,000 for the Gillette Regional Extensions Phase IV – 2018 project. This project represents the fourth Gillette regional extensions project funded by the Legislature. The 2018 appropriation is for project design, permitting, land acquisition and construction for the Fox Ridge and Rozette Ranchettes Improvement and Service Districts. The City of Gillette completed the Rozet Ranchettes Improvement & Service District design and construction at a cost of $418,000, and has hired an engineer for the Fox Ridge Improvement & Service District part of the project, which is currently under design.

**48.** **PROJECT:** **Gillette Regional Extensions Phase V - 2020**

LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 88 | 2008 | I | $ 350,000 | 2011 |
| Level II | 38 | 2016 | II | $ 65,000 | 2019 |
| Level II | 38 | 2016 | II | $ 130,000 | 2019 |
| Level III | 113 | 2020 | I | $ 3,088,700 | 2025 |

PROJECT INFORMATION:
The Level I Gillette Regional Master Plan was completed in 2010. The plan identified three (3) necessary components of the regional water project.

1. The Gillette Madison Pipeline Project serves as the mainframe water supply infrastructure that provides water to the service area, which includes the City of Gillette and surrounding rural water districts.

2. The Gillette Regional Extensions provide the pipeline extensions from the mainframe water supply system needed to serve the rural water districts.

3. The Gillette Regional Connections provide the infrastructure needed for the direct connections of the rural water districts to the extensions.

The Level I study estimated the total cost of the extensions projects at approximately $60M. The 2014 Means First Extension Master Plan/Gillette Regional Connection Level II Study evaluated the Means Improvement and Service District District's water system. Recommendations from the Level II studies included connecting to the Gillette Regional Water Supply system.

In 2020, the Legislature appropriated $3,088,700 for the Gillette Regional Extensions Phase V – 2020 project. This project represents the fifth Gillette Regional Connection project funded by the Legislature. The 2020 appropriation is for project design, permitting, land acquisition and construction of the Means Water and Sewer District and the Gillette Campbell County Airport transmission pipeline extension and connections. The project is currently under design.

**49.** **PROJECT:** **Gillette Water System Improvements**

LEVEL: II
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 88 | 2008 | I | $ 350,000 | 2011 |
| Level II | 57 | 2012 | I | $ 500,000 | 2015 |
| Level III | 14 | 2012 | I | $ 703,500 | 2017 |
| Level III | 141 | 2013 | I | $ 5,494,000 | 2018 |
| Level III | 100 | 2014 | I | $ 234,500 | 2018 |
| Level III | 55 | 2016 | I | $ 562,800 | 2021 |
| Level III | 75 | 2017 | I | $ 361,800 | 2022 |
| Level III | 75 | 2017 | I | $ 1,675,000 | 2022 |
| Level III | 121 | 2018 | I | $ 2,030,100 | 2022 |
| Level III | 121 | 2018 | I | $ 1,809,000 | 2023 |
| Level III | Multiple | Multiple | I | $ 190,120,358 | Varies |
| Level II | 11 | 2021 | I | $ 150,000 | 2024 |

PROJECT INFORMATION:

The City of Gillette is located in Campbell County and resides within the Powder River Basin. The City has a population of 31,903 people and they are served through 10,953 taps within the service area and 13 taps outside of the service area. The water system is supplied with groundwater from 28 wells completed into the Madison Limestone, Fox Hills Sandstone, and Fort Union Formation. Water storage includes raw water in 2 tanks with a total capacity of 1.9 million gallons and treated water in 10 tanks with a total capacity of 23.3 million gallons. A 42-mile transmission pipeline system (30" & 42" pipelines) transfers water from the Madison Well Field to Gillette. The Gillette water system is a regionalized system that serves several adjacent water systems and users. The City of Gillette serves three pressure zones within its water system, in addition to regional water service provided to surrounding water districts at a variety of different elevations.

The City of Gillette requested a Level II feasibility study to improve water storage and operations of the City's water system and to incorporate the existing wells and storage of the Antelope Valley water system into the City's system in the future. The Consultant was given notice to proceed April 2021 and are currently collecting data and updating the hydraulic model. The study will be ongoing in 2022.

**50.** **PROJECT:** **Glendo Reservoir Full Utilization Project**

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Platte County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 38 | 2016 | I | $ 300,000 | 2019 |
| Level II | 94 | 2018 | I | $ 750,000 | 2024 |

PROJECT INFORMATION:

Glendo Dam and Reservoir is located on the North Platte River in eastern Wyoming and is a 190 foot tall dam with a total of 1,092,290 acre-feet of storage capacity, owned by the U.S. Department of the Interior Bureau of Reclamation (Reclamation). The original project was authorized as part of the Flood Control Act of December 22, 1944 Public Law 534. However, due to controversy over the project details, construction did not begin until 1954 and was completed in 1958. Approximately half of the available storage is reserved for flood control and surcharge; only being used if there is a minor or major flood event, respectively. Currently, any water stored in the flood control pool is released downstream as soon as the flood risk subsides.

From Leading the Charge, Wyoming Water Strategy, Governor Mathew H. Mead, 2015, Water Development Initiatives:

> *Glendo Reservoir has a total capacity of 800,000 acre-feet. Capacity is divided between a 525,000 acre-foot "active operations" pool managed by the Bureau of Reclamation, and a 275,000 acre-foot "flood control" pool managed by the Army Corps of Engineers (Corps). The flood control capacity is only used to store high inflow events that the Corps believes might cause a flood in Wyoming or Nebraska. The Corps allows the flood control space to be filled only until the flood risk subsides, then evacuates the space as quickly as possible. In 57 years of operation, the spillway on Glendo Dam has never been used.*
>
> *This initiative will seek federal authorization to re-purpose a portion of the flood control space and use that water for operational purposes, thereby extending and more efficiently using water during good runoff years. The re-purposed space would be the first water to be used and the full 275,000 acre-feet of flood control space would still be available by October 1st of every year.*

In 2016, an appropriation for $300,000 was granted by the Legislature to complete a Level II Feasibility study in response to the Governor's water strategy initiative. The study coordinated with Reclamation, Army Corps of Engineers (Corps), Nebraska Department of Natural Resources, Wyoming State Engineer's Office (SEO), Wyoming State Parks, Historic Sites and Trails (SPHS), U.S. Fish and Wildlife Service (USFWS), and Wyoming Game and Fish Department (WGFD) on the details of the water strategy and was designed to develop a proposed level of flood retention and anticipated operational modifications to the Glendo Water Control Manual.

Field work and meetings with SPHS were conducted in the fall of 2017 to determine incremental impacts to the State Park's operation and infrastructure. The general public was made aware of the project and initial feedback was received through public meetings. A reservoir modeling strategy was developed for the project to determine limiting factors and acceptable levels of risk for managing agencies. Meetings were held with the agencies listed above, as well as extensive coordination with Reclamation and the Corps, to guide the modeling strategy and ensure proper understanding of existing operations. A screening level environmental analysis evaluated project impacts, benefits, and any permits that would be required. Multiple flood pool depth scenarios were analyzed in the tasks above to develop a proposed depth that would minimize impacts to State Parks facilities and operations, and optimize the benefits that could be realized from re-timing the release of natural flood flows in the North Platte River system.

This resulted in a shifted flood pool depth of six feet as the recommended release scenario in the final report which was delivered to the Water Development Office in December of 2018. The final report also presents a benefit-cost analysis for the proposed scenario and a summary of next steps to implement the proposed scenario. A public meeting was held November 26, 2018 to present the results of the study.

During the Level II study, the Corps had stated they would need to conduct their own scientific analysis of the proposed changes from the WWDC analysis and complete NEPA requirements. During the 2018

Legislature, an additional $750,000 was appropriated to conduct a Water Control Plan Modification Study (WCPMS) to address the Corps needs. The Corps subsequently expressed uncertainty in their ability to proceed with a WCPMS at Glendo due to a lack of authority. Despite urging the Corps to reconsider their position, the WCPMS did not move forward. Legislation considered in the 116th United States Congress and an Executive Order on Modernizing America's Water Resource Management and Water Infrastructure could revive discussions with the Corps and provide a path forward for pursuing the flood flow re-timing concept. The WWDO will continue to coordinate with the Federal agencies on next steps for the project.

**51.** **PROJECT:** **Glenrock Transmission Pipeline 2018**
LEVEL: III
SPONSOR: Town of Glenrock
LOCATION: Converse
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | I | $ 150,000 | 2010 |
| Level III | 100 | 2014 | I | $ 381,900 | 2019* |
| Level III | 75 | 2017 | I | $ 254,600 | 2022* |
| Level III | 121 | 2018 | I | $ 525,950 | 2023* |

*67% grant

PROJECT INFORMATION:
The Town is supplied with water from four wells ranging in depth from 250 to 1,200 feet. The primary water supply aquifer is the Casper/Madison formations. The approximate yield of the Town's four wells is 3,650-gpm. The Town has three steel storage tanks in the following sizes: 300,000, 750,000 and 1,000,000 gallons. The water transmission pipeline material varies from PVC, DIP, and CIP and ranges in age from newly replaced to ~ 60 years old.

In 2009, the Town of Glenrock received a Level I Master Plan Study. The Master Plan identified several future projects for the Town of Glenrock including the Town's presently identified project.

The identified Level III project is for the design and construction of a 12-inch PVC transmission pipeline to replace an aging/failing waterline infrastructure. The Town has taken a systematic approach to annually replace and improve the Town's aging water and sewer infrastructure. This T-15 and T16 transmission pipeline project was identified in the Glenrock Master Plan Level I study. Additionally, the Town's upcoming water and sewer line project coincides with this identified transmission line. This project will replace a portion of the T15 line. The phased approach allows the Town to systematically replace aging infrastructure as funding becomes available. The Town provides 33% matching funds for the WWDC eligible items and 100% funding for the WWDC non-eligible items. The design of this phase was completed in spring 2019 and construction on the Glenrock Transmission Pipeline 2018 project began in July 2019 and was substantially completed in July 2020. Final billing on the project was nearly complete by December of 2020, but final confirmation of completion was not received until 2021.

**52.** **PROJECT:** **Glenrock Transmission Pipeline 2020**
LEVEL: III
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | I | $ 150,000 | 2010 |
| Level III | 100 | 2014 | I | $ 381,900 | 2019* |
| Level III | 75 | 2017 | I | $ 254,600 | 2022* |
| Level III | 121 | 2018 | I | $ 525,950 | 2023* |
| Level III | 113 | 2020 | I | $ 958,100 | 2025* |

*67% grant.

PROJECT INFORMATION:
The Town is supplied with water from four wells ranging in depth from 250 to 1,200 feet. The primary water supply aquifer is the Casper/Madison formations. The approximate yield of the Town's four wells is 3,650-gpm. The Town has three steel storage tanks in the following sizes: 300,000, 750,000 and 1,000,000 gallons. The water transmission pipeline material varies from PVC, DIP, and CIP and ranges in age from newly replaced to ~ 60 years old.

In 2009, the Town of Glenrock received a Level I Master Plan Study. The current project was identified in the Master Plan and is being completed to help move the Town toward correcting the issues noted in the Master Plan. The project is for the design and construction of an 8 and 12-inch PVC transmission pipeline to replace an aging/failing/undersized 4 and 6-inch DIP waterline infrastructure. The Town has taken a systematic approach to annually replace and improve the Town's aging water and sewer infrastructure. The T-13 transmission pipeline project was identified in the Glenrock Master Plan Level I study. Additionally, the Town's upcoming water and sewer line project coincides with the identified transmission pipeline project. The phased approach allows the Town's to systematically replace aging infrastructure as funding becomes available. The Town provides 33% matching funds for the WWDC eligible items and 100% funding for the WWDC non-eligible items. The Town is in the process of hiring an engineer for the project.

**53. PROJECT: Goshen Irrigation District Check Structure 2018**

LEVEL: III
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 99 | 2006 | II | $ 225,000 | 2008 |
| Level III | 38 | 2009 | II | $ 1,200,000 | 2014* |
| Level III | 63 | 2011 | II | $ 1,100,000 | 2016* |
| Level III | 141 | 2013 | II | $ 1,400,000 | 2018* |
| Level III | 75 | 2017 | II | $ 214,000 | 2022* |
| Level III | 121 | 2018 | II | $ 468,330 | 2023** |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.
**67% grant only

PROJECT INFORMATION:
Goshen Irrigation District (GID) was formed in 1936 and serves 52,484 acres with a conveyance system from the Whalen Diversion Dam above Ft. Laramie to the Nebraska Stateline. Their water rights include diversions from the North Platte River and storage water from Pathfinder Dam. The district has identified major problems in their district and, with the help of the WWDC, has upgraded portions of their system.

The Level I master plan, funded in 2006 and completed in 2008, identified and prioritized five major areas of rehabilitation need: pipelines, automation, liners, structures and a re-regulation reservoir. The total cost of these items is $89,364,443 in 2008 dollars.

In 2018, GID received grant funds from the Rehabilitation program in the amount of $468,330. This amount is for a 67% grant of the project eligible costs. GID will cover the remaining 33% of project expenses. The funding request is to replace check structure 83.6 with an automated check structure.

GID has hired an engineer and completed the design of the project. The project has awarded and will be constructed Winter 2021/2022.

**54.** **PROJECT:** **GR-RS-SC JPWB Pump Station 2019**
LEVEL: III
SPONSOR: GR-RS-SC Joint Powers Water Board
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 75 | 2005 | I | $ 250,000 | 2007 |
| Level I | 85 | 2007 | I | $ 220,000 | 2010 |
| Level II | 65 | 2017 | I | $ 180,000 | 2019 |
| Level III | 55 | 2019 | I | $ 7,497,300 | 2024 |

PROJECT INFORMATION:
In 2017, the Green River-Rock Springs-Sweetwater County Joint Powers Water Board (GR-RS-SC JPWB) requested WWDC-funding for a Level II feasibility study to investigate providing supplemental and redundant pumping capacity from the Green River Water Treatment Facility (WTF) into the transmission lines that serve Green River and Rock Springs. The existing pump station is a single point of potential failure in the transmission systems. The need for these improvements has been identified in Task 6 of the 2009 WWDC GR-RS-SC JPWB Water System Master Plan (Phase 2), Final Report, January 2009.

The 2019 Master Plan contemplated simply replacing the existing pumps with higher capacity pumps. With the anticipated completion of the redundant transmission line to Rock Springs, the existing pump station becomes the "weak-link" in the transmission system. Additionally, the existing pump station cannot be operated with the stand-by generator, thus making it more vulnerable to interruptions in pumping. The JPWB would like to investigate an additional pump station, with dedicated transmission connections, that would add the needed capacity and also provide redundancy provided elsewhere in the system. The Level II study commenced in June 2018 and was completed in July, 2019. The sponsor has hired an engineer for the Level III project and the design is currently in progress.

**55.** **PROJECT:** **GR/RS/SC Raw Water Reservoir**
LEVEL: III
SPONSOR: Green River/Rock Springs/Sweetwater County Joint Powers Water Board
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 75 | 2005 | I | $ 250,000 | 2007 |
| Level I | 85 | 2007 | I | $ 220,000 | 2010 |
| Level II | 66 | 2009 | I | $ 350,000 | 2011 |
| Level III-I | 63 | 2011 | I | $ 900,000 | 2016* |
| Level III-II | 14 | 2012 | I | $ 8,282,000 | 2017** |
| Level III | 75 | 2017 | I | $ 0 | 2018*** |
| Level III | 121 | 2018 | I | $ 0 | 2020**** |

*50.5% grant, 24.5% loan.
**The 2011 appropriation of $900,000 was increased by $7,382,000 to $8,282,000.
***Extend the reversion date from July 1, 2017 to July 1, 2018
****Extend the reversion date from July 1, 2018 to July 1, 2020

PROJECT INFORMATION:
In 2005 and 2007, the legislature appropriated $250,000 and $220,000, respectively, for the Green River-Rock Springs-Sweetwater County Master Plan. The master plan identified the need for a raw water management study. In 2009, the legislature appropriated $350,000 to complete the GR-RS-SC JPB Water Supplies Level II study that identified a reservoir site and developed a cost estimate to build the reservoir.

It was determined that the reservoir would provide two benefits to the system. One is for raw water storage that replaces the need for additional finished water storage, which would cost approximately $58M, and the second is to act as a settling basin to remove sediment, which will benefit the efficiency of the Water Treatment Plant (WTP).

Construction of the project started in 2015 and completion was anticipated in 2016; however, during the reservoir leak test in October 2016, settlement was observed along some of the reservoir embankments. The Joint Powers Board hired a third party to investigate the cause of the embankment settlement and to provide repair recommendations. The Joint Powers Board has reached settlement agreements with the contractor and the engineer. The Joint Powers Board hired a new engineer to move forward with the design to mitigate the embankment settlement issues as well as repairs to other reservoir components. The design work for the re-construction started in October 2020 and was completed in the summer of 2021. The project was bid and reconstruction work started in late fall 2021.

**56. PROJECT: Greybull Valley Irrigation District Storage Enlargement**

LEVEL: II
SPONSOR: Greybull Valley Irrigation District
LOCATION: Park and Bighorn Counties
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 28 | 1994 | I | $ 3,000,000 | 2000 |
| Level III | 59 | 1996 | I | $ 37,000,000 | 2000 |
| Level II | 7 | 2002 | I | $ 60,000 | 2004 |
| Level III | 88 | 2002/2005 | I | $ -7,942,542 | 2010 |
| Level II | 85 | 2007 | II | $ 100,000 | 2008 |
| Level III | 121 | 2007 | I | $ 476,000 | 2014 |
| Level II | 33 | 2008 | II | $ 100,000 | 2008 |
| Level II | 33 | 2008 | II | $ 150,000 | 2010 |
| Level III | 38 | 2009 | II | $ 300,000 | 2014 |
| Level III | 63 | 2011 | II | $ 3,600,000 | 2015 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Level II | 57 | 2012 | I | $ | 85,000 | 2014 |
| Level III | 14 | 2012 | I | $ | -326,000 | 2014 |
| Level I | 66 | 2013 | I | $ | 350,000 | 2015 |
| Level II | 168 | 2015 | III | $ | 300,000 | 2018 |
| Level II | 65 | 2017 | III | $ | 500,000 | 2022 |
| Level II | 105 | 2019 | III | $ | 300,000 | 2024 |

PROJECT INFORMATION:

The Greybull Valley Irrigation District (GVID), located in Park and Bighorn Counties along the Greybull and Wood Rivers, applied for, and received, funding during the 2015 General Session to investigate the possibility of increasing storage capacity to provide additional supplemental water supply for agricultural irrigation operations. Through the early 1990's, feasibility studies investigated storage sites that would provide a target of 30,000 acre-feet of water to be used as supplemental irrigation supply within the District. Several sites, including enlargements of both Upper and Lower Sunshine Reservoirs, were considered during these studies with Roach Gulch Reservoir ultimately being constructed in the early 2000's. Considering the recent Reservoir construction, justifying the need for additional storage was at the forefront of the Level II, Phase I Storage Feasibility Study.

The Level II, Phase I investigation was completed in 2017 and revealed that seasonal irrigation water shortages remain in the Greybull River watershed, additional water is available for a new storage appropriation, and feasible storage alternatives exist. The report further recommended that, an enlargement to the existing Lower Sunshine Dam is the most feasible and least environmentally damaging alternative and recommended further, more in-depth, investigation of the proposed site to refine project knowledge.

During the 2017 General Session, the GVID applied for, and received, funding to continue the investigation of enlarging Lower Sunshine Reservoir. A level II, Phase II analysis was initiated in early 2017 and key components of the study included the following:

- Hydrologic Model Refinement
- In-Depth Geological/Geotechnical Analysis and Field Investigation
- Wetlands Delineation and Other Aquatic Resources Investigation
- Cultural Resource Surveys
- Economic Analysis Refinement

During the 2019 General Session, additional funding was received to conduct further geotechnical investigation on the Lower Sunshine Dam as well as a semi-quantitative risk assessment (SQRA). The additional work was targeting an area of known seepage since the dam's construction, to refine design, construction cost, and economic components. The geotechnical investigation resulted with a filter compatibility constraint with the dam material and the subsequent SQRA analysis suggested that increasing the dam height would increase the potential risk of potential failure. In order to mitigate the compatibility issue, cost estimates increased to a point well beyond the irrigator willingness to pay estimates bound by the estimated percent of public benefit the project could provide. The final report and presentations were completed at the end of 2020 and the project was closed out in 2021. GVID has decided no to move forward with the enlargement of Lower Sunshine Reservoir at this time, but continues to monitor federal funding opportunities that could improve the economic feasibility of the project.

**57.** **PROJECT:** **Groundwater Studies**

LEVEL: N/A
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| GW Grants | 8 | 1981 | I | $ 3,000,000 | N/A |
| GW Grants | 7 | 2002 | I | $ 1,500,000 | N/A |
| GW Grants | 75 | 2005 | I | $ 1,000,000 | N/A |
| GW Grants | 33 | 2008 | I | $ 500,000 | N/A |
| GW Grants | 57 | 2012 | I | $ 800,000 | N/A |
| GW Grants | 105 | 2019 | I | $ 2,000,000 | N/A |

PROJECT INFORMATION:

In 1981, the Legislature appropriated $3,000,000 to be granted to incorporated municipalities for the purpose of groundwater exploration. Grants were limited to $200,000 and a 10% match was required. In 1984, an additional $1,000,000 was appropriated and the local share was increased to 25%. Since inception, over 40 communities have benefited from this program.

During the drought in early to mid-2000's, it became apparent that additional funding would be beneficial for municipalities and special districts to address shortages in drinking water supply. In 2002, an additional $1,500,000 was appropriated for the program; the grant amount was raised to a maximum of $400,000 per entity; and the program was expanded to include water, water and sewer, and service and improvement districts. Subsequently, the WWDC recommended, and the legislature approved, additional program funds of $1,000,000, $500,000, $800,000, and $2,000,000 in 2005, 2008, 2012, and 2019, respectively, to service program projects.

CURRENT SPONSOR & ACTIVE/OBLIGATED FUNDS

Melody Ranch Improvement & Service District: $184,125
City of Torrington (Well #16): $120,000
Town of Jackson (Zone 3 Well): $101,250
Town of Cokeville (Well #4): $209,000

**58.** **PROJECT:** **Guernsey Transmission Pipeline 2020**

LEVEL: III
SPONSOR: Town of Guernsey
LOCATION: Platte County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 57 | 2012 | I | $ 125,000 | 2014 |
| Level III | 113 | 2020 | I | $ 2,063,600 | 2025* |

*67% grant.

PROJECT INFORMATION:
The town of Guernsey's water system consists of three ground water wells that supply approximately 700 acre-feet of water annually. The wells are developed in the North Platte alluvium with a depth of less than 200 feet. The town's water system also includes a 750,000-gallon water storage tank and a disinfection system.

The project is for the design and construction of a dedicated transmission pipeline to convey water from the Town's wells to the Town's water storage tank, prior to being distributed. The project would allow proper contact time between disinfection and distribution, and provide turnover in the tank to minimize water stagnation. Also included in the project is a well chlorination system at wells 3 & 4 and updates to the Town's water tank. The project is currently on hold waiting on the bidding environment to improve.

**59.** **PROJECT:** **Hanover Irrigation District Cottonwood Spill/Check Replacement 2018**
LEVEL: III
SPONSOR: Hanover Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 79 | 1990 | II | $ 600,000 | 1995 |
| Level III | 231 | 1991 | II | $ 1,200,000 | 1996 |
| Level III | 69 | 2003 | II | $ 87,000 | 2007* |
| Level I | 38 | 2016 | II | $ 175,000 | 2018 |
| Level III | 121 | 2018 | II | $ 414,000 | 2023† |

*50% grant / 50% loan
†67% grant / 33% loan

PROJECT INFORMATION:
Hanover Irrigation District (HID) is located in the Big Horn Basin near Worland, WY. HID has direct flow rights from the Big Horn River and secondary supply rights from Boysen Reservoir. There are 13,000 acres and 520 landowners served by HID between the towns of Kirby and Worland. The Hanover Canal serves as a carrier canal for other irrigation districts after consolidation efforts by USDI-BOR. The expanded service area of the Hanover Canal encompasses the Bluff Irrigation District, Upper Bluff Irrigation District, and Highland Hanover Irrigation District.

In 2018, HID received grant and loan funds from the Rehabilitation program in the amount of $414,000. This amount is for a 67% grant and 33% loan for the project eligible costs. The funding is to replace the Cottonwood Spill and check structures. The project is complete and in the process of closing.

**60.** **PROJECT:** **Happy Valley Water Supply**
LEVEL: II
SPONSOR: Happy Valley I&SD
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:
The newly formed Happy Valley Improvement and Service District requested funding for a water supply study that would include elements common to WWDC Level I/II examinations of rural-residential systems to evaluate the current condition of their water system and to 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. 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. 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.

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.

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.

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.

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. The Level II Study draft report was submitted in May 2021 and a Level II public hearing was held on June 23, 2021 in Afton, WY. The Final report was submitted in July 2021.

**61. PROJECT: Heart Mountain Irrigation District Rattlesnake Liner Replacement**

LEVEL: III
SPONSOR: Heart Mountain Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 168 | 2015 | II | $ 110,000 | 2018 |
| Level III | 75 | 2017 | II | $ 410,000 | 2022* |
| Level III | 121 | 2018 | II | $ 2,700,000 | 2023** |

*100 percent grant for invoiced materials. The sponsor is responsible for all other project costs.
**67 percent grant, 33% loan

PROJECT INFORMATION:
For this project, the Heart Mountain Irrigation District requested Level III 67 percent grant and 33% loan funding to finance the relining of the Heart Mountain Canal, the lined section of the canal is called the Rattlesnake liner. The canal carries 800-900 cfs of water from the Buffalo Bill Reservoir to the irrigators. The District has experienced significant failures to the concrete liner due to collapsing soils beneath concrete. The canal liner failures occur during the irrigation season and the system has to be shut down for the District to make the necessary repairs. The project was bid in the fall of 2019 with construction was completed by April 2020. However, due to claims issues with the project, the project was not closed out until summer 2021.

**62. PROJECT: Heart Mountain Irrigation District Rehabilitation 2017**

LEVEL: III
SPONSOR: Heart Mountain Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 168 | 2015 | II | $ 110,000 | 2018 |
| Level III | 75 | 2017 | II | $ 410,000 | 2022* |

*100 percent grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
For this project, the Heart Mountain Irrigation District requested 100 percent Level III grant funding to finance the purchase of invoiced materials to convert an open ditch to pipe (Lateral H41), construct structures and turnouts required for the Alkali Creek Pick-Up and the North Alkali Creek Pick-Up conveyance features.

Lateral H41 is currently an open ditch with a measuring weir at the head end and at each turnout. This lateral currently delivers 6 cfs to the two turnouts. The length of the lateral is about 1,435 feet and is in sandy soils. There are evaporative losses as well as seepage losses along this ditch. HMID is replacing the open channel lateral in buried pipe with flow meters at each turnout which will conserve water after completion. This district is scheduled to construct this section of canal during the winter of 2020/2021.

The Alkali Creek Pick-Up conveyance carries approximately 30 to 50 cfs during irrigation season. The structure diverts water from Alkali Creek where it is conveyed to the lower end of Lateral R15 to supplement those irrigators along the lateral. The length of pipe needed to transmit the water from Alkali Creek Pick-Up to Lateral R15 is approximately 5,300 feet.

The North Alkali Creek Pick-Up conveyance carries approximately 10 to 30 cfs during the irrigation season to Lateral R41 to supplement those irrigators along the lateral. The length of pipe needed to transmit the water from North Alkali Creek Pick-Up to Lateral R41 is approximately 3,250 feet.

Funding from WWDC for this project is being used to purchase materials only, and the sponsor is funding the engineering, land rights, and permits, and is providing labor, equipment, and other resources necessary for construction of the project.

The District has completed one of three laterals involved in this project. The second two are on hold and the sponsor is determining if these laterals are a priority at this time or to move on to other more critical laterals.

**63** **PROJECT:** **High Meadow Ranch Well, Tank and Pipeline 2017**
LEVEL: III
SPONSOR: High Meadow Ranch Water District
LOCATION: Sublette County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2013 | I | $ 175,000 | 2016 |
| Level II | 168 | 2015 | I | $ 500,000 | 2018 |
| Level III | 75 | 2017 | I | $ 1,991,910 | 2022 |

PROJECT INFORMATION:
The High Meadow Ranch development is located eight miles southeast of Pinedale off U.S. Highway 191 and the water system serves 232 taps. Their water is supplied from two wells completed in the Wasatch Formation aquifer. The distribution system consists primarily of 4" diameter PVC pipe with an average age of 38 years. The Sponsor has struggled in recent years to maintain reliability within the water system and at times residents have had to haul water. The Level I Master Plan included a complete analysis of the system to identify deficiencies and the development of a long-term system plan. Study components included additional source capacity, water storage, and a distribution system evaluation. The Level II study, completed in late 2016, included test drilling of a new production well. This Level III project includes connecting the new well to the existing system, a storage tank, back-up power supply, and a transmission pipeline to connect the two operating systems of the district. The project was completed in early 2021.

**64.** **PROJECT:** **Highland Hanover ID Pump Station**
LEVEL: II
SPONSOR: Highland Hanover Irrigation District
LOCATION: Washakie
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 79 | 1988 | II | $ 25,000 | 1990 |
| Level III | 67 | 1989 | II | $ 536,000 | 1994 |
| Level I | 38/65 | 2016/17 | II | $ 295,000 | 2020 |
| Level II | 150 | 2020 | II | $ 75,000 | 2023 |

PROJECT INFORMATION:
The Highland Hanover Irrigation District Pump Station 2021 Level II study determined the most effective way to rehabilitate Pump Station #2 on the Highland Hanover irrigation system. This was one of the top projects coming out of their 2019 Master Plan. The age and condition of Pump Station #2 necessitated improvements. The pump station is critical to the operation of the District. It provides up to 84 cfs to Highland Hanover Canal 2 and 12 cfs to the Coutis Ditch. This station services 5,663 acres or 81% of the acreage under the Highland Hanover Irrigation District. The 1950's era facility is inefficient and ongoing repairs are expensive as parts are often not available for the obsolete equipment.

The Highland Hanover ID Pump Station 2021 Level II study assessed the geotechnical, electrical, and structural components of the station to optimize the final design. A rehabilitation plan, economic analysis, and project financing scenarios were also included. The final Level II report was completed in August 2021.

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 which they rely on to operate and provide the majority of water to member irrigators along with additional improvements to the Coutis Ditch pumps, the building structural repairs and mechanical systems, and site grading. The cost estimate for the proposed 2022 WWDC Level III construction project for Option 1 is approximately $4,750,000 total for which the District has submitted an application to the WWDC.

**65.** **PROJECT:** **Highland Irrigation District Master Plan**
LEVEL: I
SPONSOR: Highland Irrigation District
LOCATION: Sublette County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 11 | 2021 | II | $ 192,000 | 2024 |

PROJECT INFORMATION:
The Highland Irrigation District has never had a WWDC Master Plan study done before, and with aging infrastructure of an early 1900's canal, a Level I Master Plan Study is being conducted for the rehabilitation of the irrigation system. The study will inventory and assess the entire canal system, investigate conveyances losses, and identify and prioritize capitol improvement projects for financial planning. Cost estimates will be produced to include both a total and phased approach to construction and replacement according to a recommended rehabilitation schedule. The ability to pay for such improvements to the system and needed adjusted rate assessments will be included as a part of this study. The study will be ongoing during 2022.

**66.** **PROJECT:** **Hoback River Watershed Study**
LEVEL: I
SPONSOR: Sublette County Conservation District
LOCATION: Lincoln, Sublette and Teton Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 11 | 2021 | I | $ 277,000 | 7/1/2024 |

PROJECT INFORMATION:
The Hoback River Watershed Study Area, located primarily in Lincoln and Sublette Counties, covers approximately 735,000 acres. The study area encompasses drainages feeding the mainstem of the Snake River downstream and including its confluence with the Hoback River. Primary stream systems include the Snake, Hoback, and Greys Rivers.

This watershed study was initiated to evaluate watershed function, current and future water sources (including groundwater and geothermal) and natural hazard (e.g. flooding, mass wasting, wildfire and seismic events) impacts on current water infrastructure and future demand. Potable water sources and water quality for rural residential and recreational facilities, including campgrounds, summer homes and outfitter camps, are also being evaluated. The District has experienced impacts to irrigation infrastructure where ditches have been washed out due to landslides. This study will provide baseline information from which the conservation district can help landowners pursue management practices and rehabilitation opportunities such as formation of water districts, spring development, solar conversions, water well development, upland water sources and stock water pipelines. Work to date has included evaluating

existing conditions in the watershed and working with stakeholders to identify issues and potential solutions. This project will be ongoing during 2022.

**67. PROJECT: Interstate Diversion Structure Rehabilitation 2019**

LEVEL: III
SPONSOR: Interstate Irrigation and Reservoir Irrigation District
LOCATION: Sweetwater County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 66 | 2013 | II | $ 180,000 | 2015 |
| Level III | 55 | 2019 | II | $ 420,000 | 2024* |

*67% grant, 33% loan

PROJECT INFORMATION:
The Interstate Irrigation and Reservoir Irrigation District (IIRID) is located in southwestern Wyoming adjacent to the Wyoming-Utah border near McKinnon, Wyoming. The IIRID diverts about 4,525 acre-feet of water per year from the Burnt Fork River, Beaver Meadows Reservoir, and Island Lake to irrigate 2,035 acres of hay, pasture, and alfalfa. Irrigators experience persistent water shortages, especially towards the end of the growing season.

This project will replace the Burnt Fork Diversion Structure with a new concrete structure to secure water deliveries, improve water control and measurements and require less maintenance. The new diversion structure will include a new concrete sill with wing walls, new canal gates, flow measurement device and screens to prevent fish and sediment entrainment. The project is currently in the design phase, and the engineer is working on easements and the United States Forest Service permit.

**68. PROJECT: Interstate Irrigation and Reservoir Irrigation District Improvements 2021**

LEVEL: III
SPONSOR: Interstate Irrigation and Reservoir Irrigation District
LOCATION: Sweetwater County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 66 | 2013 | II | $ 180,000 | 2015 |
| Level III | 55 | 2019 | II | $ 420,000 | 2024* |
| Level III | 12 | 2021 | II | $ 2,827,400 | 2026** |

*67% grant, 33% loan
**67% grant

PROJECT INFORMATION:
The Interstate Irrigation and Reservoir Irrigation District (IIRID) is located in southwestern Wyoming adjacent to the Wyoming-Utah border near McKinnon, Wyoming. The IIRID diverts about 4,525 acre-feet of water per year from the Burnt Fork River, Beaver Meadows Reservoir, and Island Lake to irrigate 2,035 acres of alfalfa, hay, and pasture. Irrigators experience persistent water shortages, especially towards the end of the growing season. Approximately 25 percent or 1,131 acre-feet of the water diverted is lost to seepage.

The goal of this project is to minimize seepage losses and the associated salt loading by converting the first 4.7-miles of the existing 13.1 miles of earthen canal to 34-inch HDPE pipe. A future second phase

of the project will pipe the remaining 9.6-miles. The project is currently in the design phase, and the engineer is currently working on easements.

**69.** **PROJECT:** **Kemmerer Transmission Pipeline 2016**
LEVEL: III
SPONSOR: Kemmerer-Diamondville Joint Powers Water Board
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | I | $ 100,000 | 2010 |
| Level II | 32 | 2010 | I | $ 100,000 | 2011 |
| Level III | 55 | 2016 | I | $ 1,172,500 | 2021* |

*67% grant

PROJECT INFORMATION:
The 2008 Legislature appropriated $100,000 to complete a Level I Master Plan for the Kemmerer/Diamondville JPB. The Master Plan identified several deficiencies and necessary upgrades for further analysis, design, and cost estimates in a Level II study. The Sponsor requested and received funding for a Level II study during the 2010 Legislature. The final Level II report recommended an 18" redundant transmission pipeline between the Hams Fork River, the Union Pacific Rail Road Tracks and U.S. Highway 30. In 2016, the Wyoming Legislature approved $1,172,500 in Level III funding for the Kemmerer Transmission Pipeline 2016 project. In June 2016, the WWDC Project Agreement was executed. The project was bid in August 2018. Construction began in September 2018 and was completed in 2021.

**70.** **PROJECT:** **Kirby Ditch Irrigation District Pipeline 2020**
LEVEL: III
SPONSOR: Kirby Ditch Irrigation District
LOCATION: Hot Springs
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 85 | 2007 | II | $ 200,000 | 2008 |
| Level III | 63 | 2011 | II | $ 420,000 | 2016* |
| Level III | 55 | 2016 | II | $ 0 | 2017** |
| Level II | 65 | 2017 | II | $ 100,000 | 2021 |
| Level III | 113 | 2020 | II | $ 2,310,000 | 2025*** |

*67% grant, 33% loan
**Time extension only from July 1, 2016 to July 1, 2017
***67% grant only

PROJECT INFORMATION:
The Kirby Ditch Irrigation District is located in Hot Springs County and irrigates 3,293 acres for 54 landowners with a Big Horn River direct flow diversion of 44.89 cfs and 3,000 acre-ft of temporary contracted water from Boysen Reservoir.

This project will convert 2.6-miles of open ditch to pipeline to alleviate maintenance, reduce seepage, and improve the efficiency of water delivery. The ditch is perched above lower-lying ground along a county road making the canal in this area susceptible to seepage and instability. Steep erosive slopes frequently

slough into the ditch, obstructing flows, reducing capacity and increasing the potential of a canal breach. Sedimentation from the adjacent Coal Draw would also be eliminated with conversion to pipe. The design for the project has been completed, and it will go to bid in the Spring of 2022.

**71.** **PROJECT:** **LaGrange Water Master Plan**
LEVEL: I
SPONSOR: Town of LaGrange
LOCATION: Goshen County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 150 | 2020 | I | $ 114,000 | 2023 |

PROJECT INFORMATION:
The Town of LaGrange has a population of 438 people and they are served through a total of 208 taps. The Town is supplied with groundwater from the shallow LaGrange Aquifer, from two production wells that have a total average yield of 450 gpm. The supplied groundwater is untreated and stored in an above-ground water storage tank with a capacity of 300,000, located on a hill to the northeast. The Town of LaGrange requested a Level I water master plan to evaluate the current condition of the Town's water system, identify needs, develop a plan to accommodate any future growth, evaluate the current components, determine options for increasing efficiency of operations, and provide a schedule for project improvements.

Recommendations were developed to address water quality concerns, infrastructure upgrades, and several non-structural changes. In this plan, the Town was provided with a survey-grade GIS, along with a hydraulic model and updated water system maps. The Town will be able to utilize the new GIS platform to view data, conduct basic analysis, mapping of tasks, track upgrades, and view data.

Recommended improvements identified for the Town of LaGrange during the Level I study included:

- The construction of a 12-inch Transmission Main on the east side of the railroad tracks, connecting the existing storage tank to the southern extents of the distribution.
- The construction of an elevated storage tank within the Town proper (on the other side of railroad tracks) to provide additional potable water storage (400,000 to 500,000 gallons).
- A 5-year fire hydrant replacement program for ~54 fire hydrants.
- Water valve replacement program for ~160 existing valves.
- Evaluating the Fox Hills water for possible blending with Well #1 and Well #2 to ensure Arsenic levels remain below EPA standards.

This Level I Study is now complete with a public presentation held on July 15, 2021 in LaGrange, WY and a final report submitted in October 2021.

**72.** **PROJECT:** **Lake DeSmet / Healy Reservoir Utilization**
LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Johnson County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 105 | 2019 | I | $ 268,000 | 2022 |

PROJECT INFORMATION:

On June 26, 2018, the State of Wyoming purchased certain water assets in Lake DeSmet (owned by Johnson County) and Healy Reservoir from Sasol Synfuels. The assets are as listed:

- Three storage water right permits in Lake DeSmet totaling 62,199 AF
  - Permit 7533R with a priority date of 8-16-39 and a volume of 11,640 AF
  - Permit 7289R with a priority date of 4-15-57 and a volume of 36,834 AF
  - Permit 7290R with a priority date of 10-14-57 and a volume of 13,725 AF
- Reservoir supply permits to supply water to Lake DeSmet from Rock Creek, French Creek, and Clear Creek (Permits 22930, 22929, and 22928 respectively)
- Clear Creek diversion dam (8729R - diverts water into Healy Reservoir)
- Healy Reservoir with a storage volume of 5,140 AF (7289R)
- Clear Creek water supply system consisting of 6.7 miles of 66" diameter pipeline and pumping facilities located at Healy Reservoir
- Inlet/outlet structure located on the south dike of Lake DeSmet

In 2019, an appropriation for $268,000 was granted by the Legislature to complete a Level II Feasibility study to examine the potential for utilizing the newly acquired assets and to modify infrastructure that could result in operational efficiencies. Along with the water assets purchase came an assigned obligation to deliver irrigation water from Healy Reservoir to legacy shareholders on Clear Creek via two 100 HP electric pumps. The study is examining alternatives and associated cost benefit ratios to construct a gravity delivery system in lieu of the current electrical pumps.

Recently, Montana filed suit against the State of Wyoming for apparent violations to the Yellowstone River Compact. Although this case was settled with a monetary sum, the Special Master's report on the case indicated that a water award from the State of Wyoming could have been an acceptable means of compensation for the injury claimed by Montana in the suit. This study is also exploring options to utilize Lake DeSmet storage water in the Tongue River Basin, potentially preventing the curtailment of Wyoming water users. Having the means to bring additional water into the Tongue River Basin could provide for the State's expanded use of Lake DeSmet. Not only could the water be used to prevent curtailment of Wyoming water rights in the event Montana makes a call on the river, but also could be utilized by irrigators and municipalities in the Tongue River Basin on a more regular and ongoing basis. The draft report for the project was completed in February 2021 and the contract was extended in May of 2021 to allow additional time for internal discussions and coordination with stakeholders.

**73.** **PROJECT:** **Lakeview Carter Creek Siphon/Spillway 2019**

LEVEL: III
SPONSOR: Lakeview Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 57 | 2012 | II | $ 250,000 | 2013 |
| Level III | 100 | 2014 | II | $ 154,770 | 2019* |
| Level III | 55 | 2016 | II | $ 194,300 | 2021* |
| Level III | 55 | 2019 | II | $ 351,000 | 2024** |

*67% grant
**67% grant, 33% loan

PROJECT INFORMATION:
Lakeview Irrigation District (District) conveys irrigation water to service 9,779 acres. Diverting from the South Fork Shoshone River, the District delivers water throughout its service area via the Lakeview Canal which feeds a number of smaller lateral canals. The Lakeview Canal is roughly 22 miles in length and has a capacity of approximately 250 cfs.

The Lakeview Irrigation District requested fund to replace the Carter Creek Syphon Structure with a new concrete structure. The Carter Creek siphon was identified in the 2012 Master plan as needing replacement due to age and condition. The structure has reached, or is very near, the end of its life cycle requiring replacement.

The Lakeview Irrigation District has completed design and awarded the project. The Project should be completed Winter 2021/2022

**74. PROJECT: Lander Storage Tanks and Pump Station 2019**

LEVEL: III
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | I | $ 100,000 | 2009 |
| Level I | 32 | 2011 | I | $ 85,000 | 2011 |
| Level III | 14 | 2012 | I | $ 3,068,000 | 2017* |
| Level III | 55 | 2016 | I | $ 2,070,970 | 2021** |
| Level III | 55 | 2019 | I | $ 227,800 | 2024** |

*50% grant
**67% grant

PROJECT INFORMATION:
The City of Lander diverts its water from the Middle Fork Popo Agie River. From the water treatment plant, below the diversion, water flows by gravity to a 4MG storage tank, thence to town and three other storage tanks (Ellis tank, Mager tank, and Rodeo tank) that serve separate pressure zones. This project is to construct a new water storage tank to replace three existing water storage tanks that have failing roof systems. The funding request also includes upgrading a pump station and construction of a new water transmission pipeline to increase the water supply to the hospital region. The project is currently under design.

**75.** **PROJECT:** **Lander Test Well Study**
LEVEL: II
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 8 | 1995 | I | $ 100,000 | 1996 |
| Level II | 46/81 | 1997/99 | I | $ 283,710 | 1998/2000 |
| Level II | 125/75 | 2002/05 | I | $ 1,005,000 | 2004/07 |
| Level I | 33/32 | 2008/11 | I | $ 185,000 | 2009/11 |
| Level III | 14 | 2012 | I | $ 3,068,000 | 2017* |
| Level III | 55 | 2016 | I | $ 2,070,970 | 2021** |
| Level II | 94 | 2018 | I | $ 2,340,000 | 2021 |

*50% grant
**67% grant

PROJECT INFORMATION:
The City of Lander's primary source of potable water supply is a diversion from the Middle Fork of the Popo Agie River. At certain times of the year, there is high potential for the City of Lander to face deficits in meeting their current demands based on both water supply and not having the most senior territorial water rights. Also, the City of Lander cannot do maintenance on the water treatment plant or intake infrastructure and supply water to their customers at the same time. The City of Lander also believes that they are nearing ultimate capacity of their current supply and need additional supply to allow for future demand. Finding an alternate potable water supply is of high priority of the city. Test drilling in 1999 and 2004-2006 revealed potential production from the Tensleep Formation, Madison Limestone, Flathead Sandstone, and alluvial aquifers and represents an opportunity for supplemental water supply.

The feasibility study that began in July 2018 is tasked with evaluating the portfolio of existing City source supplies and potential for expansion and/or efficient yield increases. Additional groundwater source supply opportunities and any test drilling in this project was based on benchmark supply goals developed with City input. In April 2019, a "Water Supply Evaluation and Groundwater Development Alternatives" technical memorandum was prepared to provide direction for the project. An alluvial test well program was chosen as the best course for advancement of the study. Test bore-hole drilling was completed in late 2019 on a State-owned parcel east of the City's water treatment plan. Six production-size alluvial wells were drilled, completed, and tested in August-September 2020 as a 2MG/day source supply to be supplemental to Lander's primary source. A Level II, Phase I report was completed in October 2020 to accompany the City's 2021 Level III funding application for construction of the wellfield supply project. The State Engineer's Office issued the new Lander well permits in 2021. The Level II, Phase II draft report was submitted for review in October 2021 and has since been finalized. The Lander Test Well, Level II Study will be completed by the end of 2021.

**76.** **PROJECT:** **Lander Transmission Pipeline 2016**
LEVEL: III
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | I | $ 100,000 | 2009 |
| Level I | 32 | 2011 | I | $ 85,000 | 2011 |
| Level III | 14 | 2012 | I | $ 3,068,000 | 2017* |
| Level III | 55 | 2016 | I | $ 2,070,970 | 2021** |

*50% grant
**67% grant

PROJECT INFORMATION:
The City of Lander diverts its water from the Middle Fork Popo Agie River. From the water treatment plant, below the diversion, water flows by gravity to a 4MG storage tank, thence to town and three other storage tanks (Ellis tank, Mager tank, and Rodeo tank) that serve separate pressure zones. The project combines several improvements discussed in the WWDC Level I study completed in October 2011. The project includes the following improvements: 1) Mager Zone transmission line, 2) high pressure feed from Overlook Terrace Dillon PRV, 3) Clubhouse – Dillon isolation to Mount Hope transmission line, 4) Industrial Park transmission, 5) Mount Hope transmission, 6) Pump House demolition, 7) Mager Tank feed, and 8) tank meters and SCADA. The project is complete.

**77. PROJECT: Lander Water Master Plan**

LEVEL: I
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 8 | 1995 | I | $ 100,000 | 1996 |
| Level II | 46/81 | 1997/99 | I | $ 283,710 | 1998/2000 |
| Level II | 125/75 | 2002/05 | I | $1,005,000 | 2004/07 |
| Level I | 33/32 | 2008/11 | I | $ 185,000 | 2009/11 |
| Level III | 14 | 2012 | I | $3,068,000 | 2017 |
| Level III | 55 | 2016 | I | $2,070,970 | 2021 |
| Level II | 94 | 2018 | I | $2,340,000 | 2021 |
| Level III | 55 | 2019 | I | $3,423,700 | 2024 |
| Level I | 11 | 2021 | I | $ 208,000 | 2024 |

PROJECT INFORMATION:
The purpose of this Level I Study is to provide an update to the City of Lander's Water System Master Plan. The City has undergone or is in the process of completing significant improvements to their water systems. Growth and expansion areas were identified in the 2012 Comprehensive Master Plan for the City and alternative source supplies were recently studied in a Level II Study. Water system improvements to accommodate the growth areas are not reflected in current water master planning documents. This Level I Study serves to update water system modeling to reflect capital improvements and new water source supplies and allows the city to adequately plan for maintenance, operation and growth areas. Work to date has included review of background information and gathering data to support hydraulic modeling. This project will be ongoing during 2022.

**78.** **PROJECT:** **Lander Well & Transmission Pipeline 2021**
LEVEL: III
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 8 | 1995 | I | $ 100,000 | 1996 |
| Level II | 46/81 | 1997/99 | I | $ 283,710 | 1998/2000 |
| Level II | 125/75 | 2002/05 | I | $ 1,005,000 | 2004/07 |
| Level I | 33/32 | 2008/11 | I | $ 185,000 | 2009/11 |
| Level III | 14 | 2012 | I | $ 3,068,000 | 2017* |
| Level III | 55 | 2016 | I | $ 2,070,970 | 2021** |
| Level II | 94 | 2018 | I | $ 2,340,000 | 2021 |
| Level III | 12 | 2021 | I | $ 884,400 | 2026* |

*50% grant
**67% grant

PROJECT INFORMATION:
The City of Lander diverts its water from the Middle Fork Popo Agie River. From the water treatment plant below the diversion, water flows by gravity to a 4MG storage tank thence to town and three other storage tanks (Ellis tank, Mager tank, and Rodeo tank) that serve separate pressure zones.

The funding is for a 4-well wellfield construction project to manifold Level II production-size wells drilled, completed, and tested in August-September 2020 into the existing supply infrastructure.

The project is based on the results of the Lander Test Well Level II Study conducted during 2018-2020. The Level II Study was tasked to identify and investigate a groundwater resource in the vicinity of the City's Water Treatment Plant (WTP).
The groundwater resource will provide the following:

- an emergency groundwater supply that allows the temporary shut-down of the WTP in response to facility or diversion failure/repair and to surface water quality upsets (e.g. turbidity during spring runoff, forest fires);

- reduce the risk of water supply deficit caused by late-season drought and surface water regulation;

- a supplemental water supply during seasonal (e.g. low demand winter use) and future demand (e.g. future growth); and

- the operational versatility of a groundwater supply that complements and supports the primary treated surface water supply.

In the Level II Study, four production wells were installed in the alluvial aquifer on the west side of the river on State-owned property northeast of the WTP. A conceptual design and cost estimate were developed for a 4-well wellfield with a production capacity of approximately 1,100 gallons per minute (gpm) (i.e. 1.6 million gallons per day). The sponsor is selecting an engineer for the project.

**79. PROJECT: LaPrele Irrigation District Rehabilitation**

LEVEL: II
SPONSOR: LaPrele Irrigation District
LOCATION: Converse County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 25 | 1984 | II | $ 1,500,000 | 1989 |
| Level I | 65 | 2017 | II | $ 190,000 | 2020 |
| Level II | 105 | 2019 | II | $ 290,000 | 2022 |
| Level II | 150 | 2020 | II | $ 650,000 | 2023 |
| Level II | 11 | 2021 | II | $ 4,300,000 | 2024 |

PROJECT INFORMATION:

In 2018 the LaPrele Irrigation District Master Plan Level I Study identified rock slabs, near the dam, that could break free from the canyon walls and potentially roll into the dam. These findings prompted a Level II Study. Notice to proceed for the study was issued April 3, 2019. The canyon walls, downstream from the dam, were mapped with the use of a drone and specific rock slabs with the potential for breaking free and impacting the dam were identified. As part of the study, the Consultant was also tasked with performing a general structural analysis of the dam to determine if the impact from an identified rock would be detrimental to the integrity of the dam. During the structural analysis the Consultant identified cracking on and near the Dam's buttress #17. The cracks were concerning to the Consultant and they recommended a restriction to the water pool elevation behind the dam. The Office, District, and Consultant agreed that a technical memorandum should be prepared quantifying the issues, explaining the structural analyses that were conducted, and providing conclusions and recommendations. The Technical Memorandum included both immediate and near-term recommendations. A series of meetings ensued between the Consultant, the District, the Office, and the State Engineer's Office (SEO) to discuss this Technical Memorandum. Subsequently, the State Engineer's Office issued a restriction to limit the pool elevation and the Office felt it was prudent to prepare Amendment #1 designed to alter the direction of the Level II study addressing some of these recommendations within the remaining Level II Study's budget.

Amendment #1 eliminated the remaining rockfall hazard analysis tasks from the original scope of work and replaced that work with a structural buttress inspection task to be completed with the remaining contract funds. The new task was to inspect all of the dam's buttresses and prepare documentation of the findings. Work completed under Amendment #1 included a structural inspection performed by a roped access team and an additional aerial drone inspection. Core samples were drilled in strategic locations on the dam and analyzed in a laboratory to determine concrete strength. The findings showed low concrete strengths, cracks in multiple buttresses, and multiple weakened areas throughout the dam. If a single buttress fails, analysis results indicated that the facing slab, spanning between buttresses, will be overstressed and will likely fail. The final opinion of the Consultants was the Dam is reaching or has reached the end of its useful life. These results prompted the Office to begin working on the second project Amendment.

An appropriation of $650,000 was approved for Amendment #2. This amendment centered around developing alternatives for replacing the existing structure with new dam types or infilling the existing dam. To date, multiple alternatives have been identified; roller compacted concrete and infilling of the existing dam are two alternatives that seem likely for further analysis.

In the 2021 Omnibus Planning Bill, $4.3 million was appropriated for future work that was to be approved by the WWDC as planned amendments. In April 2021, Amendment #3 was approved for $194,400 to

perform an initial geotechnical investigation and a bathymetric survey. Additional scope language was added to allow flexibility for planning upcoming work. This work was completed and set the stage for a fourth amendment.

In May 2021, Amendment #4 was approved for $1,710,000 adding budget to project management, meetings, and quality assurance tasks, and to establish site characterization and design advancement tasks. The site characterization and design advancement tasks are progressing simultaneously. Stakeholder engagement and agency coordination was established as part of Amendment #4 and is ongoing. The Consultant, in August 2021, played a significant role in the WWDC summer tour where they provided a project update and participated in the tour of LaPrele Dam. Site characterization work is ongoing and includes field geologic mapping, a geophysical survey, drilling and downhole surveys, lab testing, and a second phase of surveying the reservoir with a drone to map above the high-water mark. Much of this work has been completed; the most recently completed work was in early October 2021 where nine boreholes were drilled and surveyed. Design advancement is ongoing and will lead to a 10% design of the dam. The design report is due in early 2022.

**80.** **PROJECT:** **Laramie North Side Tank**
LEVEL: III
SPONSOR: City of Laramie
LOCATION: Albany
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 75 | 2014 | III | $ 1,200,000 | 2019* |
| Level III | 100 | 2017 | III | $ 8,503,000 | 2020† |
| Level III | | 2020 | III | $ 0 | 2022†† |

*67% grant, 33% loan
†67% grant only. Changed the reversion date from July 1, 2019 to July 1, 2020. The 2017 grant appropriation of $804,000 was increased by $7,303,000 to $8,107,000. The 2017 loan appropriation of $396,000 was unchanged. Total appropriation $8,503,000.
††Changed the reversion date from July 1, 2020 to July 1, 2022.

PROJECT INFORMATION:
In 2013, the City of Laramie submitted a Level III funding application based on a feasibility study prepared by the city. The feasibility study provided water system recommendations to address anticipated growth on the north side of Laramie. Recommendations in the feasibility study included construction of a Zone 3 water storage tank, a pump station and transmission pipeline to supply water from Pressure Zone 1 to the Pressure Zone 3 water storage tank and rezoning areas in Pressure Zone 1 to increase system pressure. The project will also provide increased fire flow capabilities to the north end of Laramie.

In 2014, the Legislature appropriated $1,200,000 for the design of the pumping facility, transmission pipelines and water storage tank. In 2017, the Legislature provided construction funding to the project with an additional appropriation of $6,907,000. This project is currently in the design phase with construction anticipated to begin in 2022.

**81.** **PROJECT:** **Laramie Valley Diversion Structure 2020**
LEVEL: III
SPONSOR: Laramie Valley Municipal Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 94 | 2018 | II | $ 95,000 | 2020 |
| Level III | 113 | 2020 | II | $ 1,150,000 | 2025 |

PROJECT INFORMATION:
The Laramie Valley Municipal Irrigation District (LVMID) is located in Albany County north of Laramie, Wyoming. The District irrigates 9,206 acres of land for 13 landowners with water rights appropriated from the Laramie River. The entire irrigation system of the District relies on the 100-year-old diversion dam, which was rated in poor condition in the 2018 Level II study. The condition of the structure has caused increased maintenance costs and concerns about the overall integrity of the structure. Failure of the structure would cause a significant economic hardship for the members of the District.

This project will replace the existing diversion dam including the installation of a new sluiceway, training dike, trash/debris management, SCADA, headgate, and canal to connect the structure to the Oasis Ditch. The project is currently in the design phase.

**82.** **PROJECT:** **Leavitt Reservoir Expansion**
LEVEL: III
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 99 | 2006 | III | $ 300,000 | 2010 |
| Level II | 32 | 2010 | III | $ 250,000 | 2016 |
| Level II | 57 | 2012 | III | $ 350,000 | 2016 |
| Level II | 66 | 2013 | III | $ 150,000 | 2016 |
| Level II | 74 | 2014 | III | $ 150,000 | 2016 |
| Level II | 168 | 2015 | III | $ 4,500,000 | 2021 |
| Level III | 75 | 2017 | III | $ 41,000,000 | 2025* |
| Level III | 113 | 2020 | III | $ 46,000,000 | 2025† |

*95.9% Grant, 4.1% Loan
†The 2017 appropriation of $41,000,000 was increased by $5,000,000 from $41,000,000 to $46,000,000. The grant percentage was changed from 95.9% to 96.3% and the loan percentage was changed from 4.1% to 3.7%.

PROJECT INFORMATION:
The Shell Valley Watershed Improvement District (District) is interested in expanding Leavitt Reservoir to provide additional supplemental irrigation water to the Beaver Creek and Shell Creek drainages, tributary to the Big Horn River. The Leavitt Reservoir Expansion was identified as the preferred storage alternative to address shortages through previous Level II feasibility studies. The proposed reservoir, located off-channel, replaces the existing Leavitt Reservoir (643 acre-feet) and will be filled with flows from Beaver Creek through a supply pipeline. The reservoir will have a total capacity of approximately

6,604 acre-feet, of which 5,104 acre-feet will serve as a supplemental irrigation supply, leaving a 1,500-acre-foot minimum pool for habitat, fishing and recreational use.

The proposed expansion lies partially on lands managed by the Bureau of Land Management (BLM) and involves Waters of the United States, therefore requiring a BLM issued Right of Way permit and a United States Army Corps of Engineers (USACE) 404 permit. The NEPA process has been followed and a final Environmental Impact Statement (EIS) was published by the BLM in May 2019, to address the issues and analyze a range of alternatives for the Leavitt Reservoir Expansion in order to fully meet Federal requirements. A positive record of decision was received in October 2019 from the BLM and the USACE for a Right of Way permit and 404 permit, respectively. The expanded reservoir, appurtenances, and borrow areas also involve private lands which have required negotiation and execution of easements and land purchases. The Project Agreement was signed by the District in March 2020. The District has been approved for the loan portion of the funding and has hired an engineer for the construction phase of the project. Final design is complete and the project could be bid by the end of 2021. Construction is anticipated to take two to three years to complete.

Once completed, the District will own, operate, and maintain the expanded Leavitt Reservoir for the life of the project to reduce irrigation shortages and provide a more reliable water supply to irrigated lands in the Shell Valley. In regards to secondary benefits, the reservoir will continue to have public access and as stated, a minimum (environmental/recreation) pool which will provide fisheries, wildlife, and recreational uses. Diversions out of Beaver Creek during spring runoff will have some flood control benefits, plus some minor flood benefits provided by the reservoir itself. Wetlands created as part of the project will have water quality and wildlife benefits. Late season irrigation releases out of the reservoir will enhance downstream riparian areas, improve fish habitat and have indirect benefits to wildlife provided through additional agricultural yields and winter pasture. Furthermore, the proposed supply diversion for the reservoir expansion will be approximately one stream mile below the existing reservoir diversion, thus providing additional fish habitat.

**83.** **PROJECT:** **Leiter Ditch Rehabilitation 2016**
LEVEL: III
SPONSOR: Lower Clear Creek Irrigation District
LOCATION: Johnson and Sheridan Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 74 | 2014 | II | $ 100,000 | 2017 |
| Level III | 55 | 2016 | II | $ 1,310,000 | 2021* |

*67% grant, 33% loan

PROJECT INFORMATION:

The Leiter Ditch is a primary permitted conveyance facility that delivers water from a diversion structure on Piney Creek to the District's storage accounts in Lake DeSmet. The existing ditch and structures cannot safely convey more than approximately 50 cubic feet per second (cfs) of the District's 500 cfs diversion right. In addition to reduced capacity, other issues involving the Leiter Ditch include erosion of unstable canal banks, blockage of return flows to Piney Creek from contributing watershed above the ditch, seepage allowing saturation to an adjacent private land, and possible threats to roadways including I-90 and Piney Creek Road. This project aims to increase the capacity of the Leiter Ditch to 200 cfs through rehabilitation efforts that primarily include installation of piped sections, canal reshaping and facilities additions and improvements to existing structures. This Level III project follows the recommendations made in the Level II Leiter Ditch Rehabilitation Study that was completed September 2015. In August 2018, the construction portion of the project was bid. Materials acquisition began in

October 2018. Construction began in July 2019 and was substantially completed in December 2019. However, the project was not closed out until early 2021 due to questions related to final billings.

**84.** **PROJECT:** **Little Snake River Valley Water Supply, Phase II**
LEVEL: II
SPONSOR: Town of Dixon / Town of Baggs
LOCATION: Carbon County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
Town of Dixon

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 38 | 1991 | I | $ 35,000 | 1994 |
| Level II | 74 | 1993 | I | $ 150,000 | 1996 |
| Level III | 28 | 1994 | II | $ 215,000 | 1999 |
| Level II | 85 | 2007 | I | $ 75,000 | 2010 |
| Level II | 94 | 2018 | I | $ 135,000 | 2021 |
| Level II | 11 | 2021 | I | $ 163,000 | 2024 |

Town of Baggs

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 231 | 1991 | I | $ 400,000 | 1994 |
| GW Grant | 82 | 1998 | I | $ 150,000 | 2001 |
| Level II | 36 | 2000 | I | $ 50,000 | 2003 |
| Level III | 2 | 2001 | II | $ 92,000 | 2006 |
| Level I | 7 | 2002 | I | $ 40,000 | 2005 |
| Level III | 125 | 2003 | II | $ 28,000 | 2008 |
| Level II | 34 | 2004 | II | $ 50,000 | 2007 |
| Level III | 125 | 2003 | II | $ 28,000 | 2008 |
| Level III | 114 | 2005 | I | $ 331,500 | 2010 |
| Level II | 94 | 2018 | I | $ 135,000 | 2021 |
| Level II | 11 | 2021 | I | $ 163,000 | 2024 |

PROJECT INFORMATION:
In 2019 a Level II study was completed to conceptually plan a regional potable water supply system for the Little Snake River Valley. The study included the Towns of Baggs and Dixon, the unincorporated Town of Savery, and rural users from Savery to Baggs. At the end of the 2019 study, it was decided that a second phase was appropriate to further study alternatives and refine cost estimates.

This study will develop a final alternative and cost estimates, determine the number of users, and identify regional water rates. The Towns of Dixon and Baggs have established a Steering Committee with representatives from Baggs, Dixon, and rural users to help direct this study which should lead to the establishment of a Joint Powers Board. The Consultant was given notice to proceed May 2021 and they have since refined alternatives for the Steering Committee's consideration. The project will be ongoing in 2022.

**85.** **PROJECT:** **Little Wind River Storage**
LEVEL: II
SPONSOR: Eastern Shoshone and Northern Arapahoe Tribes
LOCATION: Fremont County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 36 | 2000 | I | $ 200,000 | 2002 |
| Level II | 74 | 2014 | III | $ 350,000 | 2017 |
| Level II | 65 | 2017 | III | $ 475,000 | 2022 |

PROJECT INFORMATION:

Irrigation shortages have long been documented in the Wind River Basin upstream of Boysen Reservoir. In a 1965 report, prepared by Bishop and Spurlock, it was concluded that the system hydrology was incapable of meeting the entire irrigation demand in the upper Wind River Basin (the Big Wind and Little Wind River drainages above Boysen Reservoir). These shortages could be offset by constructing dam and reservoir projects in both drainages that would store spring runoff which could then be used by irrigators in either the Little Wind and/or Big Wind River drainage. These shortages were reaffirmed by Short Elliot Hendrickson Inc. (SEH) in the "Upper Wind River Storage Project – Level I Study", which was prepared for the Wyoming Water Development Commission in 2001.

During the 2014 Budget Session, the Eastern Shoshone and Northern Arapaho Tribes (Sponsor) applied for, and received, funding to conduct a Level II, Phase I Storage Feasibility Study that would build on the 2001 Level I study. The Phase I study analyzed irrigation water shortages and water availability to store under a present day water right as well as alternatives for constructing new or enlarging existing dams and reservoirs to offset documented irrigation shortages. Constructing new, or enlarging existing storage, will require issuance of a permit to appropriate water from the Wyoming State Engineer's Office and must take into consideration the implications related to the Big Horn General Adjudication.

Building off of previously completed work and additional data collected under the study, approximately 40 different storage alternatives were analyzed against one another. Taking into consideration criteria such as hydrology, technical feasibility, environmental impacts, estimated costs, and Tribal concurrence, the alternatives were screened. Alternatives were ranked by score and top alternatives were analyzed in greater detail.

In summary, based on the Level II, Phase I investigation, it was concluded that seasonal irrigation water shortages in the Little Wind River watershed exist, additional water is available for a new storage appropriation, and storage alternatives are feasible. Further analysis was then recommended to refine project knowledge.

During the 2017 General Session, the Sponsor applied for, and received, funding to continue to analyze the feasibility of the development of additional surface water storage under a Level II, Phase II Study. The current Phase II analysis being conducted originally included the following key components:

- Hydrologic Model Refinement
- Alternatives Analysis Refinement
- Geological/Geotechnical Analysis and Site Visits
- Environmental and Aquatic Resources Investigation
- Cultural Resource Analysis
- Economic Analysis Refinement

However, much greater effort than anticipated was put into the hydrologic model refinement, as it is the foundation for the purpose and need for storage. As a result, field work associated with geological/geotechnical analysis, environmental and aquatic resources, and cultural resources had to be postponed until additional funding could be appropriated.

The overarching objective of the Phase II analysis is to continue to develop project knowledge by leveraging past and current work to develop a preferred alternative for recommendation for a Level II, Phase III (permitting and final design) funding request.

**86. PROJECT: Lovell Moncur Lateral Rehabilitation 2019**

LEVEL: III
SPONSOR: Lovell Irrigation District
LOCATION: Park & Big Horn Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 52 | 1984 | I | $ 80,000 | 1985 |
| Level III | 116 | 1985 | II | $ 820,000 | 1986 |
| Level II | 125 | 2003 | I | $ 60,000 | 2004 |
| Level III | 38 | 2009 | II | $ 432,000 | 2014** |
| Level III | 14 | 2012 | II | $ 565,000 | 2017* |
| Level III | 141 | 2013 | II | $ 299,000 | 2017** |
| Level III | 100 | 2014 | II | $ 889,000 | 2019** |
| Level I | 38 | 2016 | II | $ 165,000 | 2019 |
| Level III | 55 | 2019 | II | $ 1,670,000 | 2024** |

*This appropriation is replaced by the 2013 appropriation.
**100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
The Lovell Irrigation District is located in the Big Horn Basin near the Town of Lovell, Big Horn County, Wyoming. There are more than 10,000 acres served by the District. Direct flow is diverted from the Shoshone River and delivered through the Elk-Lovell Canal past the Elk Water Users to the Lovell Irrigation District irrigators.

Beginning in 2009 the Lovell Irrigation District received funds to replace open ditch segments of the Bench Lateral with pipe. Funds from WWDC have been 100% grant for the purchase of invoiced materials. The sponsor has funded the engineering, land rights, and permits, and contracted most of the labor, equipment and other resources necessary to construct the project.

The Moncur Lateral project will convert 8,700 ft. of irrigation canal to pipeline. Piping the Moncur Lateral will prevent erosion, reduce seepage, reduce maintenance, and facilitate control of the water. The project has completed construction and is complete except adjustment to the coanda screen.

**87. PROJECT: Lower Nowood Rural Water Supply**

LEVEL: III
SPONSOR: Lower Nowood Improvement and Service District
LOCATION: Washakie County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 1 | 2011 | I | $ 70,000 | 2012 |
| Level II | 66 | 2013 | I | $ 75,000 | 2014 |
| Level III | 23 | 2015 | I | $ 1,423,750 | 2020* |
| Level III | 55 | 2016 | I | $ 1,696,900 | 2020** |

*67% grant

**67% grant. The 2015 appropriation of $1,423,750 was increased by $273,150 to $1,696,900.

PROJECT INFORMATION:

Many of the homeowners on the Lower Nowood Road, North of Ten Sleep, haul their drinking water. Water quality analyses on shallow wells in the area have tested too high in total dissolved solids to be considered potable. In 2011, residents requested a Level I study to consider their options for a good quality drinking water supply and a reliable water system.

A consultant was hired to complete the water supply analysis. Special attention was given to the potential for a regional water supply option. The final report was delivered in the fall of 2012 with recommendations to pursue a Level II Study.

In the fall of 2014, the Level II Study was completed. The Level II Study recommended the district pursue a water supply connection from the Town of Ten Sleep, through the South Circle Subdivision, and that the district apply for grant funding from the Water Development Commission for the eligible project components.

In 2015, the Sponsor received a 67% grant funding appropriation from the New Development program for $1,423,750. The Wyoming Legislature also required that the Director of the Water Development Commission review and approve the water service agreements between the Sponsor, South Circle Improvement and Service Districts and the Town of Ten Sleep. Unfortunately, an acceptable water service agreement was not attainable between the Sponsor and the Town of Ten Sleep. The District obtained 33% matching funds through Rural Development in April 2017. The scope of the project was changed from connecting to the Town to Ten Sleep to installation of a new well and transmission line.

Construction of the well began in 2018 and was completed in 2019. Construction of the transmission pipeline began July 2020 and substantial completion was completed in December 2020.

**88. PROJECT: Lower Shoshone Watershed Study**

LEVEL: I
SPONSOR: Shoshone Conservation District
LOCATION: Big Horn and Park Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 150 | 2020 | I | $ 231,000 | 2023 |

PROJECT INFORMATION:

The Shoshone Conservation District requested a watershed study to evaluate current watershed processes and to develop water projects on the ground. The District is experiencing problems with sediment in their reservoirs as well as in irrigation diversion and conveyance systems. High flows in the Shoshone River move channels and erode irrigated lands. The District is interested in discussing water management on BLM lands and movement toward stemming the inflow of sediment into Big Horn Lake. This study will

not include the Willwood area, but will use the recommendations from the ongoing Willwood dam studies to inform sediment management best management practices within the study area. In addition, irrigators would like better access to water and an understanding of irrigation efficiencies and return flows in order to explore the piping of smaller canals. A current assessment of upland water sources and invasive species is also needed.

The study will provide an inventory of physical, biological, and built systems within the watershed. Watershed studies evaluate water infrastructure and water storage systems for enlargement and rehabilitation, assess current condition of wetlands and riparian areas within the drainage, and provide geomorphic classification. This information will provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage.

The Shoshone River drains a large portion of the Big Horn Basin in NW Wyoming and includes the Buffalo Bill Reservoir. This study will focus on the Lower Shoshone River watershed, located primarily in Big Horn County, and includes the towns of Lovell, Byron, Cowley, Deaver, and Frannie. The watershed includes the primary stream system of the Lower Shoshone River downstream of Powell at Whistle Creek. The main tributaries including Big Wash, Coon Creek, Sage Creek, Dry Creek, Whistle Creek, and Crooked Creek. The portions of the study area that drains from Montana will not be included in the study. The project is expected to result in a draft report by the end of 2021, with a final report in 2022.

**89.** **PROJECT:** **Meeks Cabin Dam Enlargement**

LEVEL: II
SPONSOR: Bridger Valley Water Conservancy District
LOCATION: Uinta County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2013 | I | $ 350,000 | 2015 |
| Level II | 168 | 2015 | III | $ 600,000 | 2018 |

PROJECT INFORMATION:

During the 2013 General Session, $350,000 was appropriated for a Level I Watershed Study sponsored by the Uinta County Conservation District. The study provided a detailed evaluation of the watershed and incorporated available technical information describing conditions and assessments of the watershed. The project consisted of field investigations, development of a Geographic Information System (GIS), development of a prioritized list of potential water development and system rehabilitation projects, preliminary cost estimates, permitting requirements and funding opportunities. In addition, 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.

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.

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 positive.

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 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. The District has submitted a letter to the WWDC expressing their thanks and formally stating the above decision.

**90.** **PROJECT:** **Melody Ranch Water System Improvements 2018**
LEVEL: III
SPONSOR: Melody Ranch Improvement and Service District
LOCATION: Teton County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 46 | 1997 | I | $ 250,000 | 2000* |
| Level I | 38 | 2016 | I | $ 180,000 | 2019 |
| Level III | 121 | 2018 | I | $ 944,700 | 2023** |

*Teton County Water Master Plan
**67% grant

PROJECT INFORMATION:
The Melody Ranch Improvement and Service District is located in Teton County and lies within the Snake River valley floor south of Jackson. The District's public water system serves the population of 900 people through 387 taps. Groundwater is supplied to the District through two wells (400 gpm each). The wells are constructed to approximately 100 feet in depth into the Quaternary-age, Snake River alluvial gravel deposits. The system has a 300,000-gallon, reinforced concrete storage tank for treated water.

A water supply/master plan study was funded by the 2016 Legislature to evaluate the current condition of the District's water system and to determine the ability of the water system to operate with increasing demands and to identify options for increasing system efficiencies. The Level I study conducted a hydrogeologic investigation to select a well location, develop a well design and conceptual designs/cost estimates for a potential new Level III water supply well to supplement the existing water system. The final report was completed in October, 2017 and provided recommendations for advancement to Level III, including transmission upgrades and distribution system components. In November 2018, the District hired an engineering consultant to design the project and provide construction management services. The District requested changes to the preferred alternative well location in an addendum that was approved by the WWDO. Design was put on hold in 2019 for a 2019 WWDO Groundwater Exploration Grant (GWG) project that pump tested the existing wells to determine their capacity, and investigated two potential sites for a deeper third well. Neither site produced adequate water, and the District has decided to drill a test well at the original well site identified in the Level I study. Design remains on hold until the production well is complete.

**91.** **PROJECT:** **Middle Piney Reservoir**
LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Sublette County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 99 | 2006 | III | $ 200,000 | 2010 |
| Level II | 66 | 2009 | III | $ 500,000 | 2012 |
| Level II | 74 | 2014 | III | $ 300,000 | 2016 |
| Level II | 168 | 2015 | III | $ 150,000 | 2016 |
| Level II | 75 | 2017 | III | $ 12,168,000 | 2022 |
| Level II | 75 | 2019 | III | $ 14,228,000 | 2022* |

*The appropriation was increased from $12,168,000 to $14,228,000 with $500,000 of the appropriation deposited in the Middle Piney Reservoir account.

PROJECT INFORMATION:
Construction of Middle Piney Dam was completed in 1940 with a September 4, 1919 priority date (pre-Colorado River Compact). It is located on Middle Piney Creek in the Bridger-Teton National Forest, west of Marbleton and Big Piney. The existing dam embankment is situated along the upstream margin of a massive landslide complex that comprises the right abutment of the dam. The landslide is an ancient feature that originated on the mountain slope southeast of the current dam site and failed towards the north across the valley bottom, forming a natural lake. The dam takes advantage of the partial valley fill created by the landslide.

The U.S. Forest Service (USFS) obtained full ownership of the facility in 2000 from private shareholders. Due to the dam being classified as a high hazard structure because of its potential for loss of life or property in the event of failure and dilapidated condition (noted seepage and inability to operate the outlet works), USFS locked the control gate in the open position and is unable to store the existing reservoir water right. USFS originally planned on breaching the unviable dam to remove any liability, but supports the WWDC's interest in allowing the dam to be reconstructed. Studies have determined that it is feasible to reconstruct the dam and bring it up to Dam Safety standards.

An environmental assessment (EA) to reconstruct the dam has been completed by the USFS and a Finding of No Significant Impact (FONSI) was concluded. Additionally, a Special Use Permit (SUP) from the USFS was issued to the WWDC for the construction phase of the project, as well as to manage the reservoir and enter into a water service agreement with downstream water users. Local irrigators on Middle Piney Creek have formed the Middle Piney Watershed Improvement District (MPWID) to allow for contract with the WWDC to operate, maintain, and beneficially use Middle Piney Reservoir once reconstructed.

A construction contract was awarded, and work commenced in July of 2018. Reconstruction will consist of a cut-off trench, grout curtain, and downstream control section to address seepage; abandonment, relocation, and modernization of the outlet works, and widening of the auxiliary spillway to meet Dam Safety standards; and stabilization of the downstream channel and access road. Construction has been slower than expected due to the short construction seasons at 8,800 feet and greater than expected site dewatering efforts. Furthermore, groundwater conditions have led to additions to the design and further monitoring in advance of final grouting work. The ancient landslide material associated with the project site is complex and a robust seepage collection, cutoff and monitoring system is required for a successful project. The project is anticipated to be complete in the fall of 2022.

**92. PROJECT: Midvale Irrigation District Rehabilitation 2018**

LEVEL: III
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 125 | 2003 | II | $ 300,000 | 2007 |
| Level II | 34 | 2004 | II | $ 75,000 | 2007 |
| Level III | 75 | 2017 | II | $ 355,000 | 2022* |
| Level III | 121 | 2018 | II | $ 995,000 | 2023* |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
The project is to replace open ditch with pipe. The Pilot 27.0 B Lateral segment is approximately 1.5 miles long and serves 700 acres. The Wyoming 31.7 Lateral segment is about 1 mile in length and serves 641 acres. Both laterals have open ditches with deteriorated concrete structures that have been repaired and need to be replaced. Both segments also include failing concrete lining and both the earth ditch and lined section experience considerable seepage. For seepage abatement, the Wyoming 31.7 Lateral was ranked eighteenth in lowest cost per acre-foot of seepage in the Level II Study completed in 2007. The sponsor has completed projects on three higher ranking laterals and applied for materials funding on a fourth lateral that was denied. The Pilot 27.0 B Lateral was also evaluated and recommended for rehabilitation due primarily to deteriorated concrete lining and structures. Completion of this project will reduce maintenance costs, reduce seepage, and improve operations through more precise control of the water. This project is complete and closed out.

**93.** **PROJECT:** **Midvale Irrigation District Rehabilitation 2019**
LEVEL: III
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 125 | 2003 | II | $ 300,000 | 2007 |
| Level II | 34 | 2004 | II | $ 75,000 | 2007 |
| Level III | 75 | 2017 | II | $ 355,000 | 2022* |
| Level III | 121 | 2018 | II | $ 995,000 | 2023* |
| Level III | 55 | 2019 | II | $ 559,000 | 2024* |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
The project is to replace open ditch with pipe. The Wyoming 5-Mile Lateral segment is approximately 0.5 miles long and serves 4,445 acres. The Wyoming 5-Mile A Lateral segment is about .5 mile in length and serves 205 acres. Both laterals have open ditches with deteriorated concrete structures that have been repaired and need to be replaced. Both segments also include failing concrete lining and both the earth ditch and lined section experience considerable seepage. For seepage abatement. Completion of this project will reduce maintenance costs, reduce seepage, and improve operations through more precise control of the water.

The project has completed design of the 5-mile lateral. Construction was complete Winter 2020-2021. Design of Wyoming 5-Mile A Lateral is on hold as sponsor is not confident on the need to replace.

**94.** **PROJECT:** **Mountain View Acres Connection**
LEVEL: III
SPONSOR: Mountain View Acres Water District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 75 | 2005 | II | $ 100,000 | 2008 |
| Level II | 99 | 2006 | II | $ 125,000 | 2008 |
| Level III | 141 | 2013 | I | $ 95,000 | 2018* |
| Level III | 121 | 2018 | I | $ 0 | 2021** |

*67% grant, 33% loan
**3-year time extension from July 1, 2018 to July 1, 2021.

PROJECT INFORMATION:
The Mountain View Acres Water District Level III funding request was based on recommendations from the 2008, Riverton and Mountain View Acres Level II Study.

The District has concerns with the long-term outlook of its two water wells used for supply. The City of Riverton has the Riverton Water Supply (2009 WWDC originally funded) project that borders the District. The construction of Riverton Water Supply provide provides the District an opportunity to connect to the City of Riverton's water supply.

The new connection will provide the District with a redundant water supply connection to the City of Riverton should the District's wells fail. The City of Riverton and the District are committed to the project.

The Mountain View Acres Water District (District) obtained a water sales agreement with the City of Riverton, and the project construction schedule was dependent on the construction of a transmission pipeline by the City of Riverton for the District's connection. The project is complete.

**95. PROJECT: New Fork Lake Dam Enlargement**

LEVEL: II
SPONSOR: New Fork Lake Irrigation District
LOCATION: Sublette County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 168 | 2015 | III | $ 300,000 | 2018 |
| Level II | 65 | 2017 | III | $ 450,000 | 2022 |
| Level II | 105 | 2019 | III | $ 1,500,000 | 2024 |

PROJECT INFORMATION:
The current New Fork Lake Dam was rebuilt in 1933 with a permitted capacity of 20,340 acre-feet and a November 11, 1903 priority date. It is located on the main stem of the New Fork River in the Bridger-Teton National Forest, northwest of Pinedale, WY. The current dam was designed to hold back 17 feet of additional water, on top of the existing glacial New Fork Lakes, which now provide late season supplemental water to the New Fork Lake Irrigation District (District). The primary crop is natural grass hay to support cattle ranching operations.

In 2015, $300,000 was appropriated to study the feasibility of enlarging New Fork Lakes primarily to address shortages in the District and the aging dam infrastructure. The Level II, Phase I project was completed in April 2017 and identified the top alternative as a proposal to lower the outlet to utilize more of the existing ~150 foot deep natural lake. An additional $450,000 was appropriated in 2017 to continue with a Level II, Phase II study of the proposed alternative. The project tasks in the Level II, Phase II study included: bathymetric and topographic survey, hydrologic model refinement, environmental refinement

and field work, geotechnical field work, conceptual designs and cost estimates, an updated economic analysis, and federal agency consultation.

The topographic and bathymetric surveys were completed in the summer of 2017 along with the geotechnical and environmental field investigations. Utilizing this information, the hydrologic modeling and conceptual designs were refined and updated. This resulted in a revised expansion concept of 8,000 acre-feet instead of the previous 9,400 acre-feet. The reduction was a result of optimizing the StateMOD shortage calculation with the design concept, and finding middle ground between the size of the enlargement, firm yield of the reservoir, irrigation shortage reduction, dam design improvements, and construction costs. The optimization also reduced the Opinion of Probable Construction Cost (OPCC) by $1.3M from $12.74M to $11.44M. Meetings with the Wyoming Game and Fish Department (WGFD), USDA Forest Service (USFS), and US Army Corps of Engineers (USACE) also helped further refine the design towards a more NEPA informed concept.

Economics for the project were updated and discussed with the District. A meeting was held with the District board members on September 25, 2018 to present the updated cost estimate, ability to pay analysis, and grant/loan percentages calculated for the project. A discussion of the cost implications to district membership revealed a grant/loan percentage of 91.2/8.8 as the current ability and willingness to pay for the project. The $11.44M construction cost equates to $1,430/acre-foot for the 8,000 acre-foot enlargement. In a broader sense, with the dam safety improvements, the project also preserves the existing 20,340 acre-feet of storage; resulting in a $404/acre-foot project cost when added to the enlargement. The estimated benefit-cost ratio for a 50-year project life is 2.2 for the 8,000 acre-foot enlargement.

Results from the environmental investigations and evaluations were shared and discussed with the USFS, USACE, and WGFD. Based on the pre-application consultation with the agencies, there were no apparent fatal flaws with the project and it was believed permitting could likely be completed through an Environmental Assessment (EA). Due to the government shut down in late 2018 and lack of available USFS personnel in early 2019, the project experienced some delays. The draft report for the Level II, Phase II project was received by the WWDO in January 2020.

In 2019, $1.5M was appropriated to complete permitting (NEPA) and final design of the enlargement concept for New Fork Lakes (Level II, Phase III). The project tasks in the Level II, Phase III study include: permitting, value engineering for spillway alternatives, landowner coordination, final geotechnical drilling, final design, drawings and specifications, special use permit acquisition and operating plan development, emergency action plan preparation, and technical review. The spillway alternatives and permitting (NEPA) tasks are underway. NEPA work is progressing slower than expected due to continued staffing shortages and rollover at the USFS in Jackson and Pinedale Wyoming.

**96.** **PROJECT:** **Newcastle Water System Improvements 2020**

LEVEL: III
SPONSOR: City of Newcastle
LOCATION: Weston County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 23 | 2015 | I | $ 616,400 | 2020* |
| Level II | 121 | 2018 | I | $ 495,800 | 2023* |
| Level III | 113 | 2020 | I | $ 113,900 | 2025* |

*67% grant

PROJECT INFORMATION:
Newcastle's public water supply system is exclusively ground water sourced from four (4) high capacity flowing artesian wells. Booster pumps take water from the wells to three storage tanks where it is then gravity fed to the city distribution system and regional rural users.

This project will retrofit the existing pump station to allow the installation of a wye strainer, booster pump, variable frequency drive controller, pressure reducing control valve, and a chlorine room for the future installation of a gas chlorination system. The project will increase the water system capacity and provide a backup water source. The city has hired an engineer to design the project and provide construction management services. The project is currently in the design phase.

**97.** **PROJECT:** **Newcastle Well 2018**
LEVEL: III
SPONSORS: City of Newcastle
LOCATION: Weston County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 23 | 2015 | I | $ 616,400 | 2020* |
| Level III | 121 | 2018 | I | $ 495,800 | 2023* |

*67% grant

PROJECT INFORMATION:
The City's current wells barely keep up with the current demands. The addition of Well #5 will allow the City to meet current and future demands. The project will also assist in the regionalization of water systems within the area (supplying water to Cambria and Sweetwater Improvement and Service Districts). The City of Newcastle is also replacing 50 plus year-old cast-iron piping between Wells 1 and 4 in the same area during this project.

The design of the well tie-in and new transmission pipelines is completed and a permit to construct has been issued. After the design was complete, it was discovered that the sponsor had not fully secured an easement for the project. The project is currently on hold until the easement can be properly secured. Bidding for the construction project is planned for early 2022 with construction starting in the summer of 2022.

**98.** **PROJECT:** **Nordic Ranches Water Master Plan**
LEVEL: I
SPONSOR: Nordic Ranches Community Water and Sewer District
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 11 | 2021 | I | $63,000 | 7/1/2024 |

PROJECT INFORMATION:
This project provides for the development of a water system master plan to evaluate the current condition of the Nordic Ranches water system. The master plan will provide the tools and guidance necessary to assist in the planning, rehabilitation, upgrading, and management of the water system. The plan will create a framework to establish project priorities and perform financial planning necessary to meet those priorities. The plan will also provide reconnaissance-level information regarding costs and scheduling.

Project work in 2021 has included public outreach, review of existing information and an inventory of above and below ground infrastructure. This project will be ongoing during 2022.

**99.** **PROJECT:** **Northwest Rural Water System Improvements 2019**
LEVEL: III
SPONSOR: Northwest Rural Water District
LOCATION: Big Horn and Park County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 69 | 1997 | I | $ 560,000 | 2002 |
| Level III | 105 | 2006 | I | $ 1,112,000 | 2008 |
| Level III | 14 | 2012 | I | $ 281,400 | 2017 |
| Level III | 141 | 2013 | I | $ 3,690,025 | 2018 |
| Level III | 38 | 2016 | I | $ 230,000 | 2019 |
| Level III | 121 | 2018 | I | $ 1,076,690 | 2023* |
| Level III | 55 | 2019 | I | $ 1,055,250 | 2024* |

*67% grant only

PROJECT INFORMATION:
Northwest Rural Water District (NRWD) contains nine service areas encompassing 162 square miles. Service areas are situated in a corridor that starts south of the Buffalo Bill Reservoir near Cody, continues northeast along the Powell Highway (Hwy 14A), and extends to areas near the towns of Lovell, Deaver, and Frannie. NRWD (District) receives its treated drinking water supply from the Shoshone Municipal Pipeline (SMP). NRWD has six connection points to SMP that serve eight of the nine District's service areas. Users in the other service area (Frannie/Deaver) are connected either directly to SMP or by NRWD transmission lines with master meter pits installed at the user's property.

During 2019, the NWRD received a grant funding appropriation from the New Development Program of $1,055,250 for 67% for the eligible WWDC costs. During 2019, the NWRD hired the services of an engineer, completed the design and secured the necessary permits. The project is complete.

**100.** **PROJECT:** **Northwest Rural Water System Improvements 2020**
LEVEL: III
SPONSOR: Northwest Rural Water District
LOCATION: Big Horn and Park County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 69 | 1997 | I | $ 560,000 | 2002 |
| Level III | 105 | 2006 | I | $ 1,112,000 | 2008 |
| Level III | 14 | 2012 | I | $ 281,400 | 2017 |
| Level III | 141 | 2013 | I | $ 3,690,025 | 2018 |
| Level III | 38 | 2016 | I | $ 230,000 | 2019 |
| Level III | 121 | 2018 | I | $ 1,076,690 | 2023* |
| Level III | 55 | 2019 | I | $ 1,055,250 | 2024* |
| Level III | 113 | 2020 | I | $ 676,700 | 2025* |

*67% grant only

PROJECT INFORMATION:
The ten service areas of NRWD (NRWD) encompass 162 square miles. Service areas are situated in a corridor that starts south of the Buffalo Bill Reservoir near Cody, continues northeast along the Powell Highway (Hwy 14A), and extends to areas near the towns of Lovell, Deaver, and Frannie. NRWD receives its treated drinking water supply from the Shoshone Municipal Pipeline (SMP).

The project involves the replacement of six pumps in 3 pump stations and the replacement of two flow control valves. Both the pumps and control valves are passed their life expectancy. These project components were identified in the NRWD's 2017 Master Plan. The three existing South Fork Pump Stations are around 25 years old, which is close to the end of the service life for these pumps. The existing pumps are constant speed pumps, controlled by pump control valves. In the last 25 years, significant improvements have been made in pumps, motors, and controls to improve the efficiency. The project is under construction.

**101. PROJECT: Northwest Rural Water System Improvements 2021**

LEVEL: III
SPONSOR: Northwest Rural Water District
LOCATION: Big Horn and Park County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 69 | 1997 | I | $ 560,000 | 2002 |
| Level III | 105 | 2006 | I | $ 1,112,000 | 2008 |
| Level III | 14 | 2012 | I | $ 281,400 | 2017 |
| Level III | 141 | 2013 | I | $ 3,690,025 | 2018 |
| Level III | 38 | 2016 | I | $ 230,000 | 2019 |
| Level III | 121 | 2018 | I | $ 1,076,690 | 2023* |
| Level III | 55 | 2019 | I | $ 1,055,250 | 2024* |
| Level III | 113 | 2020 | I | $ 676,700 | 2025* |
| Level III | 12 | 2021 | I | $ 1,413,700 | 2026* |

*67% grant only

PROJECT INFORMATION:
The ten service areas of NRWD (NRWD) encompass 162 square miles. Service areas are situated in a corridor that starts south of the Buffalo Bill Reservoir near Cody, continues northeast along the Powell Highway (Hwy 14A), and extends to areas near the towns of Lovell, Deaver, and Frannie. NRWD receives its treated drinking water supply from the Shoshone Municipal Pipeline (SMP).

This project includes improvements to the Sage Creek Pump Station / Cooper Land Connection building, 70,000 gallons of additional storage for the Sage Creek Service Area, and approximately 2,000 feet of 12-inch main line. The Sage Creek / Cooper Lane Connection building will be replaced with a larger building in a more ideal location and retrofitted with higher capacity pumps and motors to help meet growing demands, and replacement of valves serving the Cooper Lane Service Area. Two 35,000-gallon storage tanks will add 70,000 gallons of additional storage in the Sage Creek Service Area. Approximately 2,000 feet of 12-inch main line will provide added capacity to get water from the pump station to the storage tanks. The engineer has been selected and the design is underway.

**102. PROJECT: Nowood River Storage – Meadowlark Lake**

LEVEL: II
SPONSOR: Nowood Watershed Improvement District
LOCATION: Washakie County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | III | $ 300,000 | 2010 |
| Level II | 32 | 2010 | III | $ 250,000 | 2016 |
| Level II | 57 | 2012 | III | $ 350,000 | 2016 |
| Level II | 74 | 2014 | III | $ 225,000 | 2017 |
| Level II | 168 | 2015 | III | $ 300,000 | 2024 |

PROJECT INFORMATION:

Citizens of the Big Horn Basin requested a Level I Storage/Watershed Study to determine the best and most beneficial water storage system for the Nowood River Watershed area. Level I funding was obtained through the Dams and Reservoirs Program during the 2008 General Session. The study was completed in early 2010. A watershed management and rehabilitation plan was developed that addressed irrigation system conservation and rehabilitation, livestock/wildlife upland watering opportunities, stream channel condition and stability, and grazing management opportunities. Furthermore, the Level I study identified the potential for storage in the watershed.

During the 2010 Budget Session, the Nowood River Steering Committee, formed prior to the commencement of the Level I study, requested and received funding for a Level II Storage Feasibility Study to further explore storage opportunities identified in the Nowood River Storage/Watershed Level I Study. The Nowood River Watershed is inefficiently used and underutilized by a wide variety of interests because it does not have adequate storage balanced with consistent stream flows. Agricultural operations, as well as fish and wildlife, have been negatively impacted in the watershed by severe drought conditions which have led to limited late season flows and calls on the river. At the same time, ample, and at times excessive, spring runoff goes unused as a result of the untimely thaws and the magnitude of the runoff. The sponsor's objective is to develop and/or expand current water storage in the Nowood Watershed to collect the excess spring runoff and allow for controlled, consistent releases, thus providing agricultural benefits through improved management and late season irrigation, potential municipal benefits through reduction of channel erosion and flooding in area communities, as well as environmental and recreational benefits through the enhancement of fisheries and wildlife habitat. The Level II study focused primarily on hydrologic analysis, needs, and site investigations to determine the most viable storage locations. Results of the study were positive and showed that a reservoir on Alkali Creek and enlargement of Meadowlark Lake appear to be the most feasible storage options. Furthermore, several potentially feasible storage sites were deferred due to landowner opposition.

During the 2012 Budget Session, the Nowood River Steering Committee requested and received additional funding for a Level II, Phase II Storage Feasibility Study to further consider the Alkali Creek and Meadowlark Lake sites. The additional study focused primarily on the development of a beneficiary group, hydrologic analysis and environmental investigations. Site survey and geotechnical investigations were carried out on the Alkali Creek site, as it had the most local support and appeared most feasible considering land ownership. Results were positive and during the 2014 Budget Session, additional funding was received to further analyze the Alkali Creek site and advance the project to a point where a decision could be made as to whether or not permitting and final design should be pursued. The additional work focused primarily on stream gauging, hydrologic model refinement, cultural resource survey, environmental investigations, and continued coordination with the local community and appropriate agencies.

Based on the results of the feasibility study of the Alkali Creek Reservoir alternative, the Nowood River Steering Committee formed the Nowood Watershed Improvement District. Level II, Phase III funding to begin permitting and final design of the Alkali Creek Reservoir alternative was requested and received during the 2015 General Session. An Environmental Impact Statement (EIS) has been completed and design is underway. However, considering the geography of the Nowood River Watershed, a single storage project is not able to address needs throughout the basin, thus the additional opportunity of enlarging Meadowlark Lake has also been considered, but has not been advanced to the level of the Alkali Creek site at this point.

During the 2015 General Session, the District requested and received additional funding to continue the Nowood River Level II, Phase II Storage Feasibility Study to further analyze the Meadowlark Lake enlargement alternative. As with the Alkali Creek alternative, the additional Meadowlark Lake work has and will continue to focus primarily on stream gauging, surveying, hydrologic model refinement, cultural resource survey, geotechnical investigations, conceptual design and cost estimate refinement, and continued coordination with the local community and appropriate agencies (U.S. Forest Service). Should the additional investigation on the Meadowlark Lake site prove favorable, the project could be recommended for Level II, Phase III permitting and final design.

**103.** **PROJECT:** **Owl Creek Irrigation District Lucerne Master Plan**
LEVEL: I
SPONSOR: Owl Creek Irrigation District
LOCATION: Hot Springs County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 125 | 2003 | II | $ 150,000 | 2006 |
| Level II | 123 | 2005 | II | $ 100,000 | 2008 |
| Level II | 123 | 2005 | III | $ 200,000 | 2008 |
| Level I | 38 | 2016 | I | $ 375,000 | 2019 |
| Level I | 150 | 2020 | II | $ 170,000 | 2023 |

PROJECT INFORMATION:
The Lucerne area system includes a primary pump station and one re-lift pump station serving three main canals: Upper, Lower, and Dempsey. Inventory of this system has been completed in previous studies and by the sponsor. This study is revisiting prior inventories to provide an update on the condition and needs (operational as well as rehabilitation) for conveyance structures and headgate/turnout metering.

The study included a comprehensive evaluation of the major mechanical systems, electrical systems, and infrastructure associated with replacement of both the primary and re-lift pump stations. This included an assessment of the structural integrity of spillways on the Upper Canal. Final reports were submitted in 2021 and deliverables included detailed conceptual plans, costs and phasing to allow the sponsor to move forward with construction. Identification of funding assistance and the ability to pay for improvements was also included in the study.

**104.** **PROJECT:** **Pavillion Water Master Plan**
LEVEL: I
SPONSOR: Town of Pavillion
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:

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 serves as a framework to establish project priorities, perform financial planning necessary to meet those priorities, and provide reconnaissance-level information regarding costs and scheduling.

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

- Continue the 2022 WWDC Level II program for the proposed new test well (1st Priority).
- Upgrade the SCADA system.
- Install a water mixing system in the water standpipe.
- Expand piping/valving at the tanks and pump station.
- Add auxiliary power for the pump station.
- Additional water system improvements were listed and were eligible for WWDC funding.
- Other system modifications were listed and were not eligible for WWDC funding.

The Pavillion Water Master Plan Level I study was completed October 2021.

**105. PROJECT: Pinedale Water Master Plan**

LEVEL: I
SPONSOR: Town of Pinedale
LOCATION: Sublette County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 231 | 1991 | I | $ 320,000 | 1993 |
| Level I | 10 | 1994 | I | $ 125,000 | 1996 |
| Level III | 59 | 1996 | I | $ 3,500,000 | 1998 |
| Level III | 88 | 2002 | I | $ 193,000 | 2003 |
| Level II | 7 | 2002 | I | $ 40,000 | 2004 |
| Level I | 85 | 2007 | I | $ 210,000 | 2009 |
| Level III | 38/68 | 2009/10 | I | $ 11,470,000 | 2014/15 |
| Level II | 74 | 2014 | I | $ 125,000 | 2016 |
| Level I | 150 | 2020 | I | $ 172,000 | 2023 |

PROJECT INFORMATION:

The Town of Pinedale provides water to a current population of approximately 2,030 people through about 1,200 service connections. The system's source water is from Fremont Lake. In August of 2018, there was a fecal coliform spike in the raw water causing over 10% of samples during a rolling six-month period to exceed fecal coliform criteria. [There has since been a settlement between the Town of Pinedale

and the lab conducting the water quality testing.] The EPA indicated that they will likely require the Town to either (1) implement filtration within the next 18 months, (2) conduct a watershed study to determine the source of fecal coliform or, if not attainable, potential sources of the fecal coliform and provide the EPA with an action plan for reducing the impact of these sources on the Town's supply, or (3) develop an alternate source of water.

The Town requested a municipal water master plan to evaluate their water system, update hydraulic models and mapping, determine future growth and water needs, identify options for water treatment, identify an alternate source of water to meet the EPA requirements stated above, and evaluate water rates to accommodate the findings of the plan. The Consultant was given notice to proceed in Spring of 2020 and the project was completed in 2021.

The study found the system to be in very good condition and that it has been maintained well by the Town. An additional source supply was identified, ground water, but found to be unfeasible to develop. The only option for the Town, if necessary to meet future EPA criterion, is to add filtration to their water treatment system. Also, there were no recommended immediate WWDC eligible projects. The following are the study's recommendations:

- Replace distribution lines that are prone to freezing
- Comprehensive leak detection program
- Metering Pinedale's system bleeders which run in the winter to prevent freezing lines
- A new storage tank is recommended, at the current treatment plant site, if the water system eventually needs filtration treatment.

The Town of Pinedale intends to proceed with the recommendations from the study in 2022. The final deliverable has been received by the Office and the project will be closed out in January.

**106.** **PROJECT:** **Pineview Tank and Booster Pump 2017**
LEVEL: III
SPONSOR: Pineview Improvement and Service District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 75 | 2017 | I | $ 368,500 | 2022* |
| 67% grant | | | | | |

PROJECT INFORMATION:
The Pineview Improvement and Service District (District) is currently served by a well and pressure tanks. In 2016 the District submitted a Level III funding request to construct a water storage tank and booster pump station to supply water in the event of a power outage to the District's well, better accommodate maximum demands and allow for expansion within the district. In 2016, the WWDC recommended the project be incorporated into the New Development program at Level III status with an appropriation of $368,500. The appropriation is a 67% grant for design and construction costs with the Sponsor being responsible for 33% of the project budget from other funding sources. The project was constructed in the Winter 2020/2021 season and was closed out in 2021.

**107. PROJECT: Piney & Cruse Canal Piping**

LEVEL: III
SPONSOR: Piney Cruse Creek Ditch Company Irrigation District
LOCATION: Sheridan County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 34 | 2004 | II | $ 75,000 | 2006 |
| Level III | 100 | 2014 | II | $ 855,000 | 2019* |
| Level III | 55 | 2019 | II | $ 0 | 2022** |

*67% grant, 33% loan
**Time extension from July 1, 2019 to July 1, 2022.

PROJECT INFORMATION:
The Piney Cruse Creek Ditch Company Irrigation District's surface irrigation water diversion structure is located on South Piney Creek. Water is conveyed from this diversion through the Town of Story to North Piney Creek where it is diverted into the District's irrigation delivery system through Tunnel Hill. The crossing through Tunnel Hill is severely degraded as well as a second drop structure further down the irrigation ditch.

The Mead Creek Ditch Rehabilitation Level II Study completed in 2005 analyzed the issues with these drop structures and provided three alternatives to mitigate the continued degradation of the drops. In 2014, the Legislature approved a project to place both drops into pipe with an appropriation of $855,000 as 67% grant and 33% loan.

The project was delayed due to easement and constructability issues. To overcome the easement issues, the District obtained a change in point of diversion and now shares a point of diversion with Prairie Dog Ditch Company. Constructability issues were addressed by changing the design to directionally drilled pipelines rather than buried pipe into steep grades with severe erosion cuts. The project went to bid in October 2020. Construction on Drop #1 and Drop #2 was to be completed in the Fall 2021.

**108. PROJECT: Pioneer Transmission Pipeline 2017**

LEVEL: III
SPONSOR: Pioneer Water and Sewer District
LOCATION: Natrona County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 66 | 2009 | II | $ 75,000 | 2010 |
| Level III | 75 | 2017 | I | $ 1,246,200 | 2022 |

PROJECT INFORMATION:
This project is the result of the 2010 Level II study, which recommended an additional connection to the Central Wyoming Regional Water System (CWRWS) and an additional transmission line for the Pioneer Water and Sewer District. The District is divided into 2 areas with the north area receiving all its water from the southern portion of the District through a 10-inch ductile iron water main. That main has experienced several breaks that deprive the northern portion of the District of water. Additionally, the northern portion of the District serves as a pass-through for water going to 33 Mile Road Improvement and Service District and other local businesses. The project was bid in the winter of 2019/2020 and

construction began in the spring of 2020 and was be completed in summer 2021. The project is now closed out.

**109. River Basin Planning – NHD Plus HR and StreamStats**

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 94 | 2018 | I | $ 240,000 | 2021 |
| Level I | 105 | 2019 | I | $ 631,000 | 2022 |

PROJECT INFORMATION:

The River Basin Planning Section of the WWDO was asked to investigate ways to reduce costs on watershed studies, river basin plan studies, storage studies and instream flow studies. One of the methods to do that is to employ StreamStats in the State of Wyoming. Phases I and II of that effort, including work to improve the National Hydrography Dataset (NHD), were funded during the 2018 Legislative session and completed in 2020. Phases III and IV were funded during the 2019 Legislative session and efforts on these phases continued in 2021.

The National Hydrography Dataset (NHD) is a digital representation of the water surface features found on topographic maps. These features form a stream network and represent the water drainage network across the United States. The NHDPlus High Resolution (NHDPlus HR) integrates hydrographic, topographic, and watershed information at a local resolution and will form the foundation for StreamStats. Phases I and II of this project assisted in evaluating and correcting erroneous flow directions, stream connections, and elevation data to ensure that the digitally modeled streamflow from a basin ultimately connects to the correct basin outlet.

Currently, the WWDO and its consultants use spreadsheet models in river basin plan studies, watershed studies, and storage studies to estimate streamflow characteristics. This method is time intensive and becomes an expensive task for the consultants to perform. StreamStats will replace spreadsheet modeling and will benefit the WWDO and other state agencies by providing a web-based mapping tool for users to quickly access streamflow statistics for any stream site (either at a stream gage or at an ungaged stream site) in Wyoming. The tool can also be used to delineate drainage basins and calculate basin characteristics. Phase I and II of StreamStats included developing GIS base layers, calculating basin characteristics, and analyzing stream gauges to assist in the process of developing regional regression equations. Phases III and IV of this effort include determining at-site streamflow characteristics, at-site peak-flow characteristics and continued development of regression equations. The StreamStats tool will assist all WWDC projects that rely on streamflow quantities and flow duration. This new efficiency will lower individual project costs and improve consistency and defensibility in work products. Phases III and IV of this project are ongoing.

**110. PROJECT: Riverton Valley Irrigation District Rehabilitation 2018**

LEVEL: III
SPONSOR: Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 86 | 2001 | II | $ 40,000 | 2002 |
| Level III | 100 | 2014 | II | $ 136,680 | 2019* |
| Level III | 121 | 2018 | II | $ 542,500 | 2023** |

*67% grant
**25% grant

PROJECT INFORMATION:
The project will restore and rehabilitation Wyoming Canal No. 2 and the main stem of the Big Wind River. Due to historic and unprecedented flooding from snowmelt on the main stem of the Big Wind River, rechanneling of the main stem resulted in direct floodwater entering the main delivery canal of the Riverton Valley Irrigation District, destroying and making unsuitable water delivery for a period of 19 days. The actual canal has been realigned and reconstructed. The 2018 Level III project is to continue the repairs for environmental restoration of damaged lands and erosion protection of the new dike system to prevent a future failure of the canal system. This project will continue the restoration and rehabilitation work on the damaged Wyoming Central Canal No. 2, and includes environmental restoration and armoring of the new flood protection dike. The district has completed construction of the dike. The district is completing the design of the remaining work.

**111. PROJECT: Riverton Water Supply**

LEVEL: III
SPONSOR: City of Riverton
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 99 | 2006 | II | $ 125,000 | 2008 |
| Level III | 36 | 2009 | I | $ 4,958,800 | 2014* |
| Level III | 68 | 2010 | I | $ 7,084,000 | 2014** |
| Level III | 100 | 2014 | I | $ 0 | 2015*** |
| Level III | 23 | 2015 | I | $ 9,856,000 | 2017† |
| Level III | 75 | 2017 | I | $ 0 | 2020†† |
| Level III | 112 | 2020 | I | $ 0 | 2021*** |

*67% grant, 10% loan, 23% Sponsor
**Increased total appropriation by $2,125,200 (from 4,958,800 to 7,084,000), 67% grant, 10% loan, 23% Sponsor
***One-year time extension only
†Increased total appropriation by $2,772,000 (from 7,084,000 to 9,856,000), 67% grant, 10% loan, 23% Sponsor
††Three-year time extension only

PROJECT INFORMATION:
The City of Riverton identified a need for expanded capacity on the east side of town and additional piping on the west side of town. In 2007, the WWDC drilled a Level II test well to increase the groundwater supply. The Level II study, entitled Riverton-Mountain View Acres, also identified the need for increased storage and transmission pipelines.

The budget for the entire project is $9,856,000 of which the City is responsible for 23%. Due to funding constraints, the WWDC had to phase the funding for the project. The 2009 Legislature appropriated funding for the construction of a 2-million-gallon storage tank and pipelines to connect the well and tank

to the distribution system. The legislation also authorized the purchase of the Level II well. The 2010 Legislature provided the remaining funding for additional piping and valves. The project has been completed.

**112. PROJECT: Rock Creek & Trail Ridge Creek Instream Flows 2020**

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Sublette County
PROGRAM: Instream Flow Studies

EXISTING AND PRIOR LEGISLATION: *

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| N/A | N/A | N/A | N/A | $ N/A | N/A |

*Instream flow studies are no longer funded through appropriations in the Omnibus Water Planning Bills. The contract amount is $19,430 and is funded by the Wyoming Game and Fish Commission.

PROJECT INFORMATION:
Per Wyo. Stat. § 41-3-1003 the Wyoming Game and Fish Commission (WGFC) identifies stream segments they consider to have the most critical need for instream flows. The WGFC, though the Wyoming Game and Fish Department (WGFD), studies and produces biological reports for each identified segment. The analyses completed in the development of the biological reports aid the WGFC in identifying the points on the stream at which the need for instream flows begins and ends, 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. The 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 stream recommended by the WGFC.

Per Wyo. Stat. § 41-3-1004(a), the WWDC is generally 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 facilities. In most cases, the WWDC, administered through the Wyoming Water Development Office (WWDO), contracts with an engineering consultant to complete an instream flow feasibility study. However, there are instances when the WWDC/WWDO will complete a feasibility study internally. Two analyses are 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).

This instream flow study will analyze two segments near the towns of Marbleton and LaBarge in Sublette County. The specific segments are:

- Rock Creek, tributary of LaBarge Creek in the Green River basin.
- Trail Ridge Creek, tributary of Beaver Creek in the Green River basin.

The Consultant was given notice to proceed in May of 2021. The study is in progress; field measurements were completed in October 2021, and a scoping meeting was held in Marbleton, WY, June 9, 2021, to inform interested legislators, state and federal government staff, irrigators, and other special interest groups of the study. The draft report is expected in February of 2022.

**113. PROJECT: Rolling Hills Well No. 7 Connection 2019**

LEVEL: III
SPONSOR: Town of Rolling Hills
LOCATION: Converse
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 32 | 2010 | I | $ 250,000 | 2013 |
| Level III-1 | 14 | 2012 | I | $ 160,000 | 2017* |
| Level III-II | 100 | 2014 | I | $ 1,291,200 | 2017** |
| Level II | 65 | 2017 | I | $ 750,000 | 2020 |
| Level III | 55 | 2019 | I | $ 273,360 | 2024** |

*67% grant, 33% loan
**67% grant

PROJECT INFORMATION:
The Town of Rolling Hills is currently supplied by four (4) deep wells completed into the Lance Formation. The wells range in depth from 1,516 to 2,095 feet and yield 65 gpm, 60 gpm, 60 gpm, and 80 gpm; which yield a total of 26-gpm combined. The Town has a 300,000-gallon glass-lined steel storage tank and PVC transmission pipelines varying from 4 to 12 inches in diameter. The water system is chlorinated for water treatment.

During 2016, a lightning strike from a thunderstorm struck one of the Town of Rolling Hills' most productive wells, knocking it out of service, resulting in a major reduction in water availability at the beginning of the summer watering season. The Town constructed Rolling Hills Well No. 7 under the 2017 Level II study, and purchased the well after it was completed. The 2019 Level III provided a treatment building, and connected the well to the Town's water system. The project was completed in the Fall of 2021.

**114. PROJECT: Salt Creek Transmission Pipeline 2021**

LEVEL: III
SPONSOR: Salt Creek Joint Powers Board
LOCATION: Natrona County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 113 | 1986 | I | $ 565,000 | 1988 |
| Level III | 98 | 1986 | II | $ 100,000 | 1988 |
| Level I | 123/38 | 1990/91 | I | $ 60,000 | 1992 |
| Level III | 28 | 1992 | II | $ 3,750,000 | 1997 |
| Level I | 105 | 2019 | I | $ 160,000 | 2022 |

PROJECT INFORMATION:
Salt Creek Joint Powers Board (SCJPB) has a 7 mile stretch of transmission pipeline that needs to be replaced, it has almost constant leaks due to corrosion. This is the sole transmission line supplying water for the towns of Midwest and Edgerton. The Level I Study identified this alternative as the highest priority improvement. The project is currently on hold until the Salt Creek Joint Powers Board can secure their matching funds for the project.

**115. PROJECT: Savery-Little Snake River Water Conservancy District Savery Creek Diversion 2020**

LEVEL: III
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 23 | 2015 | II | $ 871,000 | 2020* |
| Level III | 113 | 2020 | II | $ 301,500 | 2025* |

*67% grant.

PROJECT INFORMATION:
The District has direct flow water rights from Savery Creek and the Little Snake River for a flow of 200 cubic feet per second. The district also has 14,000 acre-feet of storage at High Savery reservoir.

The project replaced an older existing diversion structure and head gate with a structure that operates as intended at lower water flows along with other improvements to make the diversion structure function as intended. The project was constructed in the fall of 2020 and closed out in 2021.

**116. PROJECT: Sheridan Area Water Supply Transmission 2020**
LEVEL: III
SPONSOR: City of Sheridan
LOCATION: Johnson County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 75 | 2005 | II | $ 75,000 | 2008 |
| Level I | 99 | 2006 | II | $ 600,000 | 2009 |
| Level III | 121 | 2007 | II | $ 427,020 | 2012 |
| Level III | 121 | 2007 | I | $ 5,260,840 | 2012* |
| Level II | 67/57 | 2009/12 | III | $ 600,000 | 2012/15 |
| Level III | 141 | 2013 | I | $ 1,566,460 | 2018* |
| Level III | 100 | 2014 | I | $ 1,714,460 | 2019* |
| Level III | 23 | 2015 | I | $ 2,211,000 | 2020* |
| Level III | 23 | 2015 | II | $ 2,144,000 | 2020* |
| Level III | 94 | 2018 | I | $ 1,735,300 | 2023* |
| Level I | 94 | 2018 | I | $ 250,000 | 2021 |
| Level II | 75 | 2018 | I | $ 250,000 | 2021 |
| Level III | 113 | 2020 | I | $ 3,102,100 | 2025* |

*67% grant only
**The 201 appropriation of $1,566,460 was increased by $147,540 to $1,714,460.

PROJECT INFORMATION:
The surface water supply for the City of Sheridan and the Sheridan Area Water Supply Joint Powers Board (SAWSJPB) rural system consists of direct flow from Big Goose Creek and stored water in reservoirs in the Big Horn Mountains. Raw water is diverted, pre-treated, then delivered to one of two water treatment plants (WTP). The system primarily utilizes gravity flow with many pressure reducing stations. There are also several booster stations to serve areas of higher elevations. Gravity storage tanks store a total of 13.5 MG within the various pressure zones. Although there are two entities involved, the same operators and facilities serve the entire Sheridan area system for efficiency. The entire water system covers both the City of Sheridan's system and the SAWS JPB system.

The Sheridan Area Water Supply Joint Powers Board (SAWS JPB), in conjunction with the City of Sheridan water system, participated in a 2018 WWDC master plan to evaluate the combined Sheridan

Water Supply System. This requested WWDC Level III Airport Transmission Main pipeline replacement construction project comes out of the final report of the 2019 Sheridan Water Master Plan, Level I Study, and is the highest priority project identified within the water system. This project is being designed.

**117. PROJECT: Sheridan Supplemental Storage**

LEVEL: III
SPONSOR: Sheridan Area Water Supply Joint Powers Board/City of Sheridan
LOCATION: Sheridan County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 66 | 2009 | III | $ 350,000 | 2010 |
| Level II | 57 | 2012 | III | $ 250,000 | 2014 |
| Level III | 23 | 2015 | III | $ 5,628,000 | 2025 |

The above legislation references appropriations from Water Account III that focus upon opportunities to construct or acquire storage from existing mountain storage (located within the Big Goose drainage above Sheridan) for both the City of Sheridan and the Sheridan Area Water Supply Joint Powers Board. The Water Development Program has funded many other projects for both entities and for the regional municipal rural domestic water system, which serves both rural Sheridan County and the City of Sheridan.

PROJECT INFORMATION:
The City of Sheridan is interested in developing additional water supplies to meet demands due to ongoing growth and development. The completed Sheridan Supplemental Storage Level II, Phase II Study concluded that Sheridan (City) and the Sheridan Area Water Supply System Joint Powers Board should focus on purchasing ownership shares available in Park Reservoir rather than constructing new dam and reservoir facilities.

The Gillispie Draw Reservoir site, which was the focus of the Sheridan Supplemental Storage Level II, Phase I Study, is located near Sheridan, Wyoming approximately ¼ mile from the Sheridan Water Treatment Plant. The opportunity exists to build new storage facilities within Gillispie draw sometime in the future. However, a federal nexus exists due to the presence of wetlands. This federal nexus would trigger review under the National Environmental Policy Act (NEPA) and require Clean Water Act Section 404 Permitting, which would undoubtedly suggest that existing dam and reservoir facilities should be acquired and utilized before constructing new facilities. Construction of the least environmentally damaging alternative is a federal goal during the NEPA/404 review when developing a "preferred alternative." Acquiring shares or acquiring existing reservoirs would undeniably be less environmentally damaging when compared with construction of a new reservoir.

The City is interested in developing storage of 2,000 acre-feet or more. Before concluding in a recommendation, the Level II, Phase II Study included a facility assessment for both Sawmill and Park Reservoirs, permitting and environmental analyses, identification of improvements needed to use the reservoirs to supply water for municipal/rural domestic purposes, and legal issues involving potential transfers of Sawmill storage rights from agricultural use to municipal, rural domestic purposes. The study also addressed the need to acquire a Special Use Permit issued by the U.S. Forest Service for construction of an access road to access Sawmill Dam. Furthermore, the study included an economic analysis and estimate of fair market value for acquiring Park Reservoir shares and for purchase of Sawmill Reservoir.

The cost of a new reservoir, as outlined in the Level II studies, is approximately $9,064 per acre-foot of firm yield at the City's intake. This is significantly higher than the $6,246 per acre-foot of firm yield at

the City's intake associated with acquiring existing Park Reservoir storage at the historical price ($4,200 per acre-foot at the reservoir). Surveys conducted by the consulting firm charged with completing the Level II, Phase II Study indicated that this historical price may secure a portion or perhaps all of the targeted 2,000 acre-feet amount. In the event that not all of the targeted amount may be acquired, the appropriation and process would also constitute an argument or justification for constructing new storage.

During the 2015 General Session, the Sheridan Area Water Supply Joint Powers Board/City of Sheridan requested and received a grant of $5,628,000 from the WWDC Dam and Reservoir Water Account III to acquire up to 2,000 acre-feet of storage within Park Reservoir in the Big Goose drainage above the City of Sheridan, should it become available, on a willing seller, willing buyer basis. Agreements are now in place to allow for solicitation of such acquisitions and several purchases have been executed. The Sponsors has provided 33% matching funds from the City of Sheridan and Sheridan Area Water Supply Long Term Water Supply Fund. The acquisition of the storage is necessary for the supply and utilization of water for municipal uses and it improves the function and sustainability of the Sponsors' regional municipal water supply system. The reversion date for the 2015 appropriation was extended during the 2020 Budget Session to allow the Sponsors to continue the purchase of Park Reservoir shares as they become available.

**118. PROJECT: Shoshone Irrigation District Rehabilitation 2019**

LEVEL: III
SPONSOR: Shoshone Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 99 | 1982 | I | $ 300,000 | 1984 |
| Level III | 28 | 1992 | II | $ 7,500,000 | 1997 |
| Level III | 88 | 2002 | II | $ 570,000 | 2007 |
| Level II | 99 | 2006 | II | $ 300,000 | 2008 |
| Level III | 105 | 2006 | II | $ 1,145,700 | 2010 |
| Level III | 38 | 2009 | II | $ 339,000 | 2014 |
| Level III | 63 | 2011 | II | $ 585,000 | 2016 |
| Level III | 141 | 2013 | II | $ 795,000 | 2018 |
| Level III | 23 | 2015 | II | $ 290,000 | 2020 |
| Level III | 55 | 2019 | II | $ 181,000 | 2024* |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:

The Shoshone Irrigation District has systematically requested funding to complete the rehabilitation projects identified in the 2008 Level II study. Financing from WWDC is used to purchase invoiced materials and the sponsor pays for the engineering, land rights, and permits, and provides labor, equipment, and other resources necessary for construction of the project.

The Shoshone Irrigation District Rehabilitation 2019 Project consists of replacing two concrete drop structures on the Garland Canal, and replacing two ditch segments with buried pipe. Due to long-term deterioration, both drop structures need to be replaced. The piped laterals will better facilitate control of the water and reduce losses to seepage and evaporation. The total length of the lateral segments to be piped is approximately 4,669 feet.

The District has constructed Drop Structure #28. The District bid the materials for Drop structure #29 and the BOV1 Lateral. Construction of this phase of the project was completed Winter 2020-2021. The District intends to start the final phase of the project, 16U-2 Lateral, Winter 2021-2022.

**119. PROJECT: Shoshone Irrigation District Rehabilitation 2021**

LEVEL: III
SPONSOR: Shoshone Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 99 | 1982 | I | $ 300,000 | 1984 |
| Level III | 28 | 1992 | II | $ 7,500,000 | 1997 |
| Level III | 88 | 2002 | II | $ 570,000 | 2007 |
| Level II | 99 | 2006 | II | $ 300,000 | 2008 |
| Level III | 105 | 2006 | II | $ 1,145,700 | 2010 |
| Level III | 38 | 2009 | II | $ 339,000 | 2014 |
| Level III | 63 | 2011 | II | $ 585,000 | 2016 |
| Level III | 141 | 2013 | II | $ 795,000 | 2018 |
| Level III | 23 | 2015 | II | $ 290,000 | 2020 |
| Level III | 55 | 2019 | II | $ 181,000 | 2024* |
| Level III | 12 | 2021 | II | $ 240,000 | 2026* |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
The Shoshone Irrigation District has systematically requested funding to complete the rehabilitation projects identified in the 2008 Level II study. Financing from WWDC is used to purchase invoiced materials and the sponsor pays for the engineering, land rights, and permits, and provides labor, equipment, and other resources necessary for construction of the project.

The Shoshone Irrigation District Rehabilitation 2021 Project consists of replacing two concrete drop structures on the Garland Canal, and replacing a ditch segments with buried pipe. Due to long-term deterioration, both drop structures need to be replaced. The piped lateral will better facilitate control of the water and reduce losses to seepage and evaporation. The total length of the lateral segment to be piped is approximately 3,980 feet.

The District plans to constructed Drop Structures #30 and #31. The District is in the process of bidding the materials for 12-F Lateral. Construction of this phase of the project will be completed Winter 2021-2022.

**120. PROJECT: Shoshoni Water Master Plan**

LEVEL: II
SPONSOR: Town of Shoshoni
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 123 | 1990 | II | $ 75,000 | 1993 |
| Level III | 231 | 1991 | II | $ 740,000 | 1996 |
| Level I | 150 | 2020 | I | $ 157,000 | 2023 |

PROJECT INFORMATION:
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 serves as a framework to establish project priorities, perform financial planning necessary to meet those priorities, and provide reconnaissance-level information regarding costs and scheduling.

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

- Resolve gas problems in the produced water at Well No. 6 with subsequent pipeline surging and repeated transmission pipe failures from Well No. 6 (1st Priority).
- Upgrade SCADA system.
- Replace Well Nos. 5 and 6 vaults with above-ground wellhouses.
- Replace pump in Well No. 6.
- Replace Well Nos. 2 and 4 wellhouses and discharge piping.
- Redevelop Well No. 4.
- Storage Tank & Road and Site Modifications.
- Additional system improvements were listed and were eligible for WWDC funding.
- Other system modifications were listed and were not eligible for WWDC funding.

The Shoshoni Level I study was completed by October 2021.

**121. PROJECT: Sidon Irrigation District Rehabilitation 2020**

LEVEL: III
SPONSOR: Sidon Irrigation District
LOCATION: Park and Big Horn Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 100 | 2014 | II | $ 109,000 | 2019* |
| Level III | 55 | 2016 | II | $ 352,500 | 2021* |
| Level III | 121 | 2018 | II | $ 823,000 | 2023* |
| Level III | 113 | 2020 | II | $ 1,060,000 | 2025* |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
The project authorization is for 100% grant funds to finance the purchase of invoiced materials to replace Gwen Lateral canal with pipe. The sponsor will construct the facilities and will finance the engineering, land rights, and permits, and provide labor, equipment, and other resources necessary for construction of

the project. The project's design is complete but bids were rejected as they were too high. The District intends to rebid Winter 2021/2022.

**122. PROJECT: Sidon Irrigation District Rehabilitation 2021**

LEVEL: III
SPONSOR: Sidon Irrigation District
LOCATION: Park and Big Horn Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 100 | 2014 | II | $ 109,000 | 2019* |
| Level III | 55 | 2016 | II | $ 352,500 | 2021* |
| Level III | 121 | 2018 | II | $ 823,000 | 2023* |
| Level III | 113 | 2020 | II | $ 1,060,000 | 2025* |
| Level III | 12 | 2021 | II | $ 576,000 | 2026* |

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
The project authorization is for 100% grant funds to finance the purchase of invoiced materials to replace multiple gates throughout the system. The sponsor will construct the facilities and will finance the engineering, land rights, and permits, and provide labor, equipment, and other resources necessary for construction of the project. The project is currently in the design phase.

**123. PROJECT: Silver Lake Dam Rehabilitation**

LEVEL: II
SPONSOR: Silver Lake Irrigation District
LOCATION: Sublette County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 94 | 2018 | II | $ 250,000 | 2021 |

PROJECT INFORMATION:
Silver Lake is located in the Bridger-Teton National Forest Wilderness Area east of Boulder, WY. The initial construction of a dam at Silver Lake dates back to the 1920's with a water right priority date of 1924. The facility was rebuilt in the 1940's, enlarged in the early 1950's, and remains as constructed when completed in 1955. The existing Silver Lake Dam provides a total of 2,152 acre-feet of late season irrigation water to 13 landowners and 2,527 acres of grass hay cropland in the Silver Lake Irrigation District (District). The aging infrastructure has deteriorated to the point where the outlet works are no longer serviceable, thereby impeding the District from utilizing their water rights. This led to the District approaching the WWDC for help in investigating rehabilitation options for the dam embankment and outlet works on Silver Lake.

During the 2018 Budget Session, a $250,000 appropriation was authorized for a Level II feasibility study to analyze rehabilitation alternatives for Silver Lake Dam. The study includes tasks for federal agency coordination, dam safety flood routing analysis, hazard classification verification, geotechnical investigation, environmental evaluation, permitting, preliminary designs, construction cost estimates, and an economic analysis. Work on the dam safety flood routing task was completed and a minimum requirements analysis (MRA) document was submitted to the USDA Forest Service (USFS) during the summer of 2018, requesting permission to conduct a geotechnical investigation at the dam site. After

extensive coordination with the USFS, the MRA was completed in early 2020. However, before the geotechnical work could be completed, a NEPA analysis was required, as the dam is located in a Wilderness Area. An Environmental Assessment for the geotechnical investigation ensued and was finished in time for the field work to be completed in September of 2020.

With the geotechnical investigation complete, rehabilitation alternatives are now being developed. Subsequently, as required by NEPA for permitting of construction activities, a second Environmental Assessment will then have to be conducted to analyze the rehabilitation alternatives along with another MRA. Work on these tasks will occur during the winter of 2021-2022. Assuming a finding of no significant impact (FONSI) is reached by the federal regulatory agencies, a construction funding request from the Sponsor could be expected as early as the fall of 2022.

Concurrent to the events described above, the District applied for and received NRCS PL-566 funds. The funds are to be used for a NRCS required Watershed Plan. The Watershed Plan is mainly centered on meeting requirements for NEPA, but will also develop preliminary designs and cost estimates for the proposed alterative, in anticipation of final design and eventually construction. As many of the tasks in the NRCS Watershed Plan are similar to the WWDC Level II feasibility study tasks, the WWDO is coordinating extensively with the District and NRCS to ensure a unified effort to provide an efficient and complete solution for the Sponsor.

**124.** **PROJECT:** **Skyline ISD Water Supply**
LEVEL: II
SPONSOR: Skyline Improvement & Service District
LOCATION: Teton County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:
The Skyline I & S District requested funding for a water supply study that would include elements common to WWDC Level I/II examinations of rural-residential systems. In early 2019, the District self-funded a reconnaissance-level system evaluation, installed fire/flushing hydrants, and commissioned a leak detection survey. Skyline ISD/Ranch is located 2 miles west of Jackson on State HWY 22 above the east banks of the Snake River. It had become increasingly clear to the District that major improvements to the system were needed to extend the life of the system. The ISD has completed the required improvements noted within their EPA sanitary surveys but it was clear that additional upgrades are required. The vision of the feasibility study is to provide a review and master plan for the ISD that includes the well water pumping capacity, an optimal storage system and enhanced delivery system, perhaps using variable frequency drives on well pumps.

The Level II Study gathered and evaluated system information, completed a system inventory, evaluated current water sources, improved GIS mapping, modeled the system and evaluated capabilities, evaluated deficiencies, and provided recommendations for improvements.

The Level II Study concluded that there is a 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 further recommended prioritizing the system improvements in two different phases. The estimated cost for high-priority improvements is $1,035,100. The Office expects that Skyline I & S District will submit Groundwater Exploration Grant and Level III project applications to facilitate system improvements.

The Level II Study draft report was submitted in May 2021 and a Level II public hearing was held on June 22, 2021 in Jackson, WY. The Final report was submitted in July 2021.

**125. PROJECT: Small Water Development Projects**

LEVEL: III
SPONSOR: Numerous
LOCATION: Statewide
PROGRAM: New Development/Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation |
|---|---|---|---|---|
| Small Project | 88 | 2002 | I | $ 500,000 |
| Small Project | 118 | 2004 | I | $ 750,000 |
| Small Project | 114 | 2005 | I | $ 500,000 |
| Small Project | 32 | 2010 | I | $ 200,000 |
| Small Project | 14 | 2011 | I | $ 300,000 |
| Small Project | 100 | 2014 | I | $ 600,000 |
| Small Project | 23 | 2015 | I | $ 500,000 |
| Small Project | 55 | 2016 | I | $ 750,000 |
| Small Project | 121 | 2018 | I | $ 750,000 |
| Small Project | 55 | 2019 | I | $ 2,000,000 |
| Small Project | 113 | 2020 | I | $ 1,063,000 |
| Small Project | 12 | 2021 | I | $ 1,000,000 |
| Small Project | 88 | 2002 | II | $ 500,000 |
| Small Project | 118 | 2004 | II | $ 750,000 |
| Small Project | 114 | 2005 | II | $ 500,000 |
| Small Project | 32 | 2010 | II | $ -200,000 |
| Small Project | 100 | 2014 | II | $ 300,000 |
| Small Project | 23 | 2015 | II | $ 400,000 |
| Small Project | 55 | 2016 | II | $ 300,000 |
| Small Project | 121 | 2018 | II | $ 100,000 |
| Small Project | 55 | 2019 | II | $ 700,000 |
| Small Project | 113 | 2020 | II | $ 701,795 |
| Small Project | 12 | 2021 | II | $ 500,000 |

PROJECT INFORMATION:

Pursuant to W.S. 99-3-1903(k)(vii) and 99-3-1904(m)(vii), a small project is a project where the maximum financial contribution from the WWDC is thirty-five thousand dollars ($35,000.00) or less. Projects may include new development or rehabilitation of small reservoirs, pipelines, wells, windmills, springs, wetland developments, environmental (projects that provide for streambank stability, water quality improvements, and erosion protection), solar platforms, rural community fire suppression, recreation, and irrigation facilities.

Projects should provide public benefit through the improvement of watershed condition and function and provide benefit for wildlife, livestock and the environment. Projects may provide improved water quality, riparian habitat, habitat for fish and wildlife and address environmental concerns by providing water supplies to support plant and animal species or serve to improve natural resource conditions. The following table is a list of ongoing projects:

| Primary Project Name | Approval Date | Account | Expiration Date |
|---|---|---|---|
| Bailey - Red Springs 1 Flat Top Stock Well | 15-Mar-19 | I | 31-Dec-21 |
| Bailey Taylor 1 & 3 | 15-Mar-19 | I | 31-Dec-21 |
| Blue Rim Desert Allotment Stock Water Development | 15-Mar-19 | I | 31-Dec-21 |
| CR Irrigation Pipeline | 15-Mar-19 | I | 31-Dec-21 |
| Fox Pipeline Extension | 15-Mar-19 | I | 31-Dec-21 |
| Gillham Stock Water Project | 15-Mar-19 | I | 31-Dec-21 |
| Herring Water Development | 15-Mar-19 | I | 31-Dec-21 |
| Kimzey Stock Water Pipeline | 15-Mar-19 | I | 31-Dec-21 |
| LF Enterprises Stock Water Pipeline Extension | 15-Mar-19 | I | 31-Dec-21 |
| Muddy Creek Pipeline | 15-Mar-19 | I | 31-Dec-21 |
| Paul Life Trust Project | 15-Mar-19 | I | 31-Dec-21 |
| PK Pipeline | 15-Mar-19 | I | 31-Dec-21 |
| Rock River Ranches - North Pipeline | 15-Mar-19 | I | 31-Dec-21 |
| Rock River Ranches - South Pipeline | 15-Mar-19 | I | 31-Dec-21 |
| Salisbury State Land Well | 15-Mar-19 | I | 31-Dec-21 |
| Short Allotment Water Well | 15-Mar-19 | I | 31-Dec-21 |
| South Flat Creek Fish Passage & Channel Restoration | 15-Mar-19 | I | 31-Dec-21 |
| Wild Horse Pipeline | 15-Mar-19 | I | 31-Dec-21 |
| Spread Creek Irrigation Rehabilitation & Fish Passage | 15-Mar-19 | II | 31-Dec-21 |
| | | | |
| 21 Creek Pipeline Extension - Phase 2 | 20-Mar-20 | I | 31-Dec-22 |
| Alkali Creek | 20-Mar-20 | I | 31-Dec-22 |
| Anderson Wells Project | 20-Mar-20 | I | 31-Dec-22 |
| Antelope Well & Pipeline | 20-Mar-20 | I | 31-Dec-22 |
| Berry Half Section Well | 20-Mar-20 | I | 31-Dec-22 |
| Berry Ranch North Well | 20-Mar-20 | I | 31-Dec-22 |
| Berry Section 24 Well | 20-Mar-20 | I | 31-Dec-22 |
| Big Fan Well | 20-Mar-20 | I | 31-Dec-22 |
| Bird Gulch Pipeline Extension | 20-Mar-20 | I | 31-Dec-22 |
| Bloom Well | 20-Mar-20 | I | 31-Dec-22 |
| Blue Spring | 20-Mar-20 | I | 31-Dec-22 |
| Buck Draw No 3 Well | 20-Mar-20 | I | 31-Dec-22 |
| CCC Road Well | 20-Mar-20 | I | 31-Dec-22 |
| Circle Pasture Well & Pipeline | 20-Mar-20 | I | 31-Dec-22 |
| Clear Creek Stabilization & Fish Passage @ I-25 Crossing | 20-Mar-20 | I | 31-Dec-22 |
| Coad Mountain Spring Development | 20-Mar-20 | I | 31-Dec-22 |

| Primary Project Name | Approval Date | Account | Expiration Date |
|---|---|---|---|
| Criss No 1 | 20-Mar-20 | I | 31-Dec-22 |
| Crow Creek Restoration Wetland Facilities | 20-Mar-20 | I | 31-Dec-22 |
| Crow Creek Revival - Happy Jack Subsection Stream Restoration | 20-Mar-20 | I | 31-Dec-22 |
| Crow Creek Revival - Westland Subsection Stream Restoration | 20-Mar-20 | I | 31-Dec-22 |
| Deer Hills Well | 20-Mar-20 | I | 31-Dec-22 |
| Diesel Well | 20-Mar-20 | I | 31-Dec-22 |
| Dry Lakes Well | 20-Mar-20 | I | 31-Dec-22 |
| EN Stock Water Well No 5 | 20-Mar-20 | I | 31-Dec-22 |
| Federer Solar Well | 20-Mar-20 | I | 31-Dec-22 |
| Fenn Wetland Enhancement | 20-Mar-20 | I | 31-Dec-22 |
| HBL Water Well & Pipeline | 20-Mar-20 | I | 31-Dec-22 |
| Horse Creek Watershed Project 1 | 20-Mar-20 | I | 31-Dec-22 |
| Langseth Well Construction No 1 | 20-Mar-20 | I | 31-Dec-22 |
| Langseth Well Construction No 2 | 20-Mar-20 | I | 31-Dec-22 |
| Lower Snake River Ranch Bank Stabilization & Fish Habitat | 20-Mar-20 | I | 31-Dec-22 |
| Lyon Solar Well | 20-Mar-20 | I | 31-Dec-22 |
| Lyon Stock Well Project | 20-Mar-20 | I | 31-Dec-22 |
| Miller Well | 20-Mar-20 | I | 31-Dec-22 |
| Muddy Creek Ranch Irrigation Pipeline | 20-Mar-20 | I | 31-Dec-22 |
| Muddy Creek Wetland BDA | 20-Mar-20 | i | 31-Dec-22 |
| Prospect Mountain No 1 | 20-Mar-20 | I | 31-Dec-22 |
| Prospect Mountain No 2 | 20-Mar-20 | I | 31-Dec-22 |
| Repshire Solar Stock Well | 20-Mar-20 | I | 31-Dec-22 |
| Rock River Stream Restoration | 20-Mar-20 | I | 31-Dec-22 |
| Shoun Stock Well No 1 | 20-Mar-20 | I | 31-Dec-22 |
| Shoun Stock Well No 2 | 20-Mar-20 | I | 31-Dec-22 |
| South Park Wildlife Habitat Management Area Wetland Enhancement | 20-Mar-20 | I | 31-Dec-22 |
| Tipton Draw Water Well No 2 | 20-Mar-20 | I | 31-Dec-22 |
| Tipton Water Well No 4 | 20-Mar-20 | I | 31-Dec-22 |
| Trough Springs Pond | 20-Mar-20 | I | 31-Dec-22 |
| Upper Big Gulch West Solar Pump | 20-Mar-20 | I | 31-Dec-22 |
| Upper Blue Spring | 20-Mar-20 | I | 31-Dec-22 |
| Vercelli Stock Watering Pipeline | 20-Mar-20 | I | 31-Dec-22 |
| Watson Well & Pipeline | 20-Mar-20 | I | 31-Dec-22 |
| Wood River Diversion Fish Passage | 20-Mar-20 | I | 31-Dec-22 |

| Primary Project Name | Approval Date | Account | Expiration Date |
|---|---|---|---|
| Zezas Ranch 2020 Stock Waterline | 20-Mar-20 | I | 31-Dec-22 |
| Antelope Ranch Streambank & Headgate | 20-Mar-20 | II | 31-Dec-22 |
| Barquin Wetland Restoration | 20-Mar-20 | II | 31-Dec-22 |
| Black Rock Creek Stabilization & Irrigation Improvement | 20-Mar-20 | II | 31-Dec-22 |
| Francis Ditch Diversion No 1 | 20-Mar-20 | II | 31-Dec-22 |
| Gillespie Ditch Pipeline | 20-Mar-20 | II | 31-Dec-22 |
| Granite Creek Supplemental Ditch Headgate Improvement | 20-Mar-20 | II | 31-Dec-22 |
| Heidrich Ditch Diversion Rehabilitation | 20-Mar-20 | II | 31-Dec-22 |
| Highline Canal Structure | 20-Mar-20 | II | 31-Dec-22 |
| Horse Creek Fish Passage & Irrigation Improvements | 20-Mar-20 | II | 31-Dec-22 |
| Josephine Ditch Rehabilitation Phase 1 | 20-Mar-20 | II | 31-Dec-22 |
| Josephine Ditch Rehabilitation Phase 2 | 20-Mar-20 | II | 31-Dec-22 |
| Lower Clear Creek Irrigation | 20-Mar-20 | II | 31-Dec-22 |
| Mailcamp Wetland Restoration | 20-Mar-20 | II | 31-Dec-22 |
| Oxbow Ranch Check Structure | 20-Mar-20 | II | 31-Dec-22 |
| Paintpot Wetland Restoration | 20-Mar-20 | II | 31-Dec-22 |
| Peralta Ditch Conveyance Pipeline | 20-Mar-20 | II | 31-Dec-22 |
| Rock River Diversion | 20-Mar-20 | II | 31-Dec-22 |
| Sandstone Ditch Irrigation Efficiency & Conservation | 20-Mar-20 | II | 31-Dec-22 |
| Upper & Lower Deep Gulch Reservoir Rehabilitation | 20-Mar-20 | II | 31-Dec-22 |
| | | | |
| Anderson Stock Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Big Goose Stock Water Development | 19-Mar-21 | I | 31-Dec-23 |
| Broadbent Spring Development | 19-Mar-21 | I | 31-Dec-23 |
| C&C Stock Ponds | 19-Mar-21 | I | 31-Dec-23 |
| CM Stock Water Well | 19-Mar-21 | I | 31-Dec-23 |
| Coal Bank Well | 19-Mar-21 | I | 31-Dec-23 |
| Cuin Livestock Pipeline 2021 | 19-Mar-21 | I | 31-Dec-23 |
| Cyclone Rim Stock Water Well | 19-Mar-21 | I | 31-Dec-23 |
| Doty Mountain Stock Water Well | 19-Mar-21 | I | 31-Dec-23 |
| Duck Pond No 6 Enlargement | 19-Mar-21 | I | 31-Dec-23 |
| Dutch Joe Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| East Muddy Creek Drop Structure & Headgate Replacement | 19-Mar-21 | I | 31-Dec-23 |
| EC Irrigation Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Evans Stock Water Pond & Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Gentle Stock Diversion | 19-Mar-21 | I | 31-Dec-23 |

| Primary Project Name | Approval Date | Account | Expiration Date |
|---|---|---|---|
| HE Irrigation | 19-Mar-21 | I | 31-Dec-23 |
| High Savery Dam Tailwater Restoration 2021 | 19-Mar-21 | I | 31-Dec-23 |
| HL Irrigation Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Hoblit Dam | 19-Mar-21 | I | 31-Dec-23 |
| Johnson No 1 | 19-Mar-21 | I | 31-Dec-23 |
| Johnson Ranch Stock Pond Wetland & Irrigation | 19-Mar-21 | I | 31-Dec-23 |
| Ladder Irrigation Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Lower Piney Creek Stock Water Development | 19-Mar-21 | I | 31-Dec-23 |
| Mathews Big Horn River Restoration | 19-Mar-21 | I | 31-Dec-23 |
| Meade Creek Irrigation Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| MS Stock Water Pipeline Extension | 19-Mar-21 | I | 31-Dec-23 |
| North Baggs Grazing Allotment Stock Water Pipeline 2021 | 19-Mar-21 | I | 31-Dec-23 |
| Overy Ground Irrigation Improvements | 19-Mar-21 | I | 31-Dec-23 |
| Owl Creek Subdivision - Fire Water Storage | 19-Mar-21 | I | 31-Dec-23 |
| Page Well & Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Paradise Canal | 19-Mar-21 | I | 31-Dec-23 |
| Red Desert Rasmusson No 2 Stock Water Well | 19-Mar-21 | I | 31-Dec-23 |
| Regan Tunnel New Stock Water Well | 19-Mar-21 | I | 31-Dec-23 |
| Roaring Fork Sheep Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Sanchez Solar Stock Well & Tank | 19-Mar-21 | I | 31-Dec-23 |
| SL Stock Water Ponds | 19-Mar-21 | I | 31-Dec-23 |
| Snowbank Stock Water Well | 19-Mar-21 | I | 31-Dec-23 |
| Solar Conversions 60, 61, 65, 66 | 19-Mar-21 | I | 31-Dec-23 |
| Solar Conversions 62, 63, 64, 67 | 19-Mar-21 | I | 31-Dec-23 |
| Solar Conversions 68, 69, 70, 72 | 19-Mar-21 | I | 31-Dec-23 |
| Solar Conversions 71, 73, 74, 75 | 19-Mar-21 | I | 31-Dec-23 |
| South Flat Creek Channel Restoration Phase II | 19-Mar-21 | I | 31-Dec-23 |
| State Land Irrigation Development | 19-Mar-21 | I | 31-Dec-23 |
| State Section 10 Stock Well 2021 | 19-Mar-21 | I | 31-Dec-23 |
| Tuvell Spring Development | 19-Mar-21 | I | 31-Dec-23 |
| West Muddy Creek Drop Structure Rehab & Headgate Replacement | 19-Mar-21 | I | 31-Dec-23 |
| Wild Cow Stock Water Pipeline | 19-Mar-21 | I | 31-Dec-23 |
| Wild Cow Stock Water Well | 19-Mar-21 | I | 31-Dec-23 |
| Willow Creek Grazing Allotment No 1 | 19-Mar-21 | I | 31-Dec-23 |
| Willow Creek Grazing Allotment No 2 | 19-Mar-21 | I | 31-Dec-23 |
| Willow Creek Grazing Allotment No 3 | 19-Mar-21 | I | 31-Dec-23 |

| Primary Project Name | Approval Date | Account | Expiration Date |
|---|---|---|---|
| Cotton Farms Diversion & Pipeline | 19-Mar-21 | II | 31-Dec-23 |
| Duck Pond No 5 RipRap | 19-Mar-21 | II | 31-Dec-23 |
| Highline Canal Company Headgate Bypass | 19-Mar-21 | II | 31-Dec-23 |
| Mill Creek Irrigation Improvement Phase II | 19-Mar-21 | II | 31-Dec-23 |
| Morrel Ditch No 2 Diversion | 19-Mar-21 | II | 31-Dec-23 |
| Section 16 Stock Well Conversion | 19-Mar-21 | II | 31-Dec-23 |
| South Flat Creek Fish Passage & Irrigation Improvements | 19-Mar-21 | II | 31-Dec-23 |
| Tin Can Alley Check Structure | 19-Mar-21 | II | 31-Dec-23 |
| Wagon Hound Reservoir | 19-Mar-21 | II | 31-Dec-23 |

**126.** **PROJECT:** **South End Water Users ISD Transmission**
LEVEL: II
SPONSOR: South End Water Users Improvement & Service District
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 75 | 2008 | I | $ 1,366,800 | 2013 |
| Level III | 141 | 2013 | I | $ 554,023 | 2018 |
| Level I | 168 | 2015 | I | $ 135,000 | 2018 |
| Leve III | 75 | 2017 | I | $ 3,155,700 | 2022 |
| Level II | 150 | 2020 | I | $ 142,000 | 2023 |

PROJECT INFORMATION:
The South End Water Users Improvement and Service District (SEWU) is located south and east of the Town of Cowley. The SEWU requested a study to determine the feasibility of extending their existing water service line west of the current line along Lane 8 and along Lane 9. The Lane 8 extension would allow SEWU to create a looped line for a dead-end line and will serve approximately 8 additional users. The Lane 9 extension would extend service toward the Town of Deaver and allow approximately 25 new users into the District. These new users currently haul water for their domestic use. The Lane 9 extension would also allow for a connection to the Town of Cowley. This will allow both the Town of Cowley and SEWU water lines to become a loop and eliminate dead end lines for both entities, increasing the quality of water that is supplied and improve water pressure. This extension could also potentially become a line for the Shoshone Municipal pipeline and Northwest Rural Water to provide water to their users in case of an emergency. The project has been ongoing during 2021 and is nearing completion with final study findings to be reported in next year's legislative report.

**127.** **PROJECT:** **Sponsor's Contingency Funds-Accounts I, II and III**
LEVEL: III
SPONSOR: Qualifying Level III Sponsors
LOCATION: Statewide
PROGRAM: New Development, Rehabilitation, Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Sponsor's Contingency | 105 | 2006 | I | $ 2,000,000 | 2010 |
| Sponsor's Contingency | 68 | 2010 | I | $ 0 | 2013* |
| Sponsor's Contingency | 14 | 2012 | I | $ 0 | 2015* |
| Sponsor's Contingency | 167 | 2015 | I | $ 0 | 2017* |
| Sponsor's Contingency | 75 | 2017 | I | $ 0 | 2025* |
| Sponsor's Contingency | 55 | 2019 | I | $ 1,000,000 | 2025† |
| Sponsor's Contingency | 105 | 2006 | II | $ 500,000 | 2010 |
| Sponsor's Contingency | 75 | 2008 | II | $ 500,000 | 2013† |
| Sponsor's Contingency | 68 | 2010 | II | $ 0 | 2013* |
| Sponsor's Contingency | 14 | 2012 | II | $ 300,000 | 2015†† |
| Sponsor's Contingency | 167 | 2015 | II | $ 500,000 | 2017†† |
| Sponsor's Contingency | 75 | 2017 | II | $ 0 | 2025* |
| Sponsor's Contingency | 55 | 2019 | II | $ 700,000 | 2025† |
| Sponsor's Contingency | 113 | 2020 | II | $ 1,000,000 | 2025† |
| Sponsor's Contingency | 12 | 2021 | II | $ 1,500,000 | 2026†† |
| Sponsor's Contingency | 113 | 2020 | III | $ 10,000,000 | 2030 |

*Time Extension Only
†Appropriation Increase Only
††Appropriation increase and time extension.

PROJECT INFORMATION:
These funds provide supplemental funding for existing Level III construction projects when construction budgets are insufficient due to inflation and the rapid increase in materials costs. The funds are typically used after construction bids are received and when it is apparent that there are not enough funds in the existing Level III appropriation to award the project. The availability of these funds allows for the award of the construction contract without delays. The purpose of the fund is to avoid delays and increased project costs. Use of funds in this account must be approved by the WWDC.

**128. PROJECT: State Water Plan**

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| State Plan | 1 | 1996 | N/A | N/A | 1996 |
| Aerial Photo | 1 | 1996 | I | $ 250,000 | 1998 |
| State Plan | 46 | 1997 | I | $ 250,000 | 1998 |
| Basin Plan | 30 | 1998 | I | $ 250,000 | 2000 |
| State Water Plan | 81 | 1999 | I | $1,435,000 | 2001 |
| State Water Plan | 36 | 2000 | I | $ 800,000 | 2002 |
| State Water Plan | 86 | 2001 | I | $1,550,000 | 2003 |
| State Water Plan | 125 | 2003 | I | $ 600,000 | 2006 |
| Framework Water Plan | 75 | 2005 | I | $ 500,000 | 2007 |
| State Water Plan | 85 | 2007 | I | $ 600,000 | 2008 |
| Wind/Bighorn Basin | 33 | 2008 | I | $ 500,000 | 2010 |
| Green River DSS | 66 | 2009 | I | $ 250,000 | 2010 |
| Platte River Basin GW | 66 | 2009 | I | $ 250,000 | 2010 |
| Rec/Env. Study | 32 | 2010 | I | $ 75,000 | 2012 |

| | | | | | |
|---|---|---|---|---|---|
| Bear River Basin GW | 32 | 2010 | I | $ 175,000 | 2012 |
| Snake/Salt Basin GW | 1 | 2011 | I | $ 250,000 | 2014 |
| Platte Basin Update | 74 | 2014 | I | $ 350,000 | 2016 |
| Powder/Tongue and Northeast Basin Update | 168 | 2015 | I | $ 375,000 | 2018 |
| Powder/Tongue and Northeast GW | 168 | 2015 | I | $ 275,000 | 2018 |
| Basin Planning: Environmental and Recreational Use Study | 38 | 2016 | I | $ 100,000 | 2019 |
| Bear River Data Model Pilot Study | 38 | 2016 | I | $ 120,000 | 2019 |
| GIS Data Model Implementation | 94 | 2018 | I | $ 115,000 | 2021 |
| NHD Plus HR and StreamStats – Phase I and II | 94 | 2018 | I | $ 240,000 | 2021 |
| Water Supply Index | 94 | 2018 | I | $ 170,000 | 2021 |
| StreamStats – Phase III and IV | 105 | 2019 | I | $ 631,000 | 2022 |

PROJECT INFORMATION:

In 1996, the Wyoming Legislature directed the Wyoming Water Development Commission (WWDC) and the State Engineer's Office (SEO) to develop a proposal for updating the state's Framework Water Plan. WWDC and the SEO prepared and submitted a proposal for updating the 1973 Framework Water Plan and for establishing a statewide planning process to the Governor and the Select Water Committee in October of 1996. During the 1997 Legislative Session, $250,000 was appropriated from Water Development Account I enabling a feasibility study to determine the costs and methods of implementing a new water planning process. The study concluded that a plan for the seven major river basins should be developed, and that a water planning website should be developed to present the data.

During 1997 and 1998, the WWDC undertook a pilot study in the Bear River Basin to test data collection, information dissemination, and presentation methods. A coordination process was developed to present information on the Statewide Water Planning Process and to obtain input from interested parties. The group of citizens and officials assembled as part of the planning process was named the Basin Advisory Group. The Basin Advisory Group coordination process was implemented in each basin to gain input from individuals, private interest groups, and local, state, and federal agencies.

Following authorization by the 1999 Legislature, the WWDC formally established a River Basin Planning section to implement the Statewide Water Planning Process. The state was divided into seven major river basins for study: Bear, Green, Powder/Tongue, Northeast, Wind/Bighorn, Snake/Salt, and the Platte. The culmination of the seven basin planning efforts lead to the development of the Framework Water Plan which aggregates all of the information from each basin plan into one major document. Following the Framework Water Plan, the individual Basin Plans were targeted for updates. It is the intent of River Basin Planning to keep the basin plans updated so the data is current while remaining dynamic to include the study of new issues and gather/develop new pertinent data for the State. In addition to basin plans, there are other studies that were done as part of River Basin planning. These studies are developed where information is required and to focus on more specific issues that basin planning can help to identify and solve.

River Basin Plans are designed to collect large amounts of data and create data where needed. Examples of work products that were created are hydrologic models, irrigated lands mapping, population projections, and current water use and future water use for all categories of users.

In 2018, the WWDO's River Basin Planning efforts were launched in a new direction, to include refining river basin planning. With that, appropriations were received for three projects: the GIS Data Model Implementation, NHD Plus HR and StreamStats, and the Water Supply Index. Please see the project listing under "Other" for a brief summary of these projects. Following are summaries for each Basin Plan, Groundwater Plan, the Framework Water Plan, and other river basin planning studies:

**Bear River Basin**
1999 – Legislature authorized the first Bear River Basin Plan which was completed in 2001.
2010 – Legislature authorized the Bear River Groundwater Study which was completed in 2014.
2012 – A staff planning team from the WWDO, SEO and the University of Wyoming, Water Resources Data System (WRDS) offices completed an update of the Bear River Basin Plan.

**Green River Basin**
1999 - Legislature authorized the first Green River Basin Plan which was completed in 2001.
2007 - Legislature authorized the Green River Basin Plan Update and the Green River Basin Groundwater Plan. Both were completed in 2010.

**Powder/Tongue River Basin**
2000 - Legislature authorized the Powder/Tongue River Basin Plan which was completed in 2002.
2015 – Legislature authorized the Powder/Tongue and Northeast River Basin Plan Update (see Powder/Tongue Northeast River Basin Plan Update) and the Powder/Tongue and Northeast and Groundwater Analysis (see Powder/Tongue Northeast Groundwater Analysis).

**Northeast River Basin**
2000 - Legislature authorized the Northeast River Basin Plan which was completed in 2002.
2015 – Legislature authorized the Powder/Tongue and Northeast River Basin Plan Update (see Powder/Tongue Northeast River Basin Plan Update) and the Powder/Tongue and Northeast and Groundwater Analysis (see Powder/Tongue Northeast Groundwater Analysis).

**Wind/Bighorn River Basin**
2001 – Legislature authorized the Wind/Bighorn River Basin Plan which was completed in 2003.
2008 – Legislature authorized the Wind/Bighorn River Basin Plan Update and the Groundwater Plan. The Basin plan was completed in 2010, and the groundwater plan was completed in 2011.

**Snake/Salt River Basin**
2001 – Legislature authorized the Snake/Salt River Basin Plan which was completed in 2003.
2011 – Legislature authorized the Snake/Salt River Basin – Groundwater Analysis. The study was completed in 2014.
2014 - A staff planning team from the WWDO, SEO and the University of Wyoming, Water Resources Data System (WRDS) offices completed an update of the Snake/Salt River Basin Plan.

**Platte River Basin**
2003 – Legislature authorized the Platte River Basin Plan in 2003 which was completed in 2006.
2009 – Legislature authorized the Platte River Basin Groundwater study which was completed in the spring of 2014.
2014 – Legislature authorized the Platte River Basin Plan Update. (See Platte River Basin Plan Update)

**Framework Water Plan**
2005 – Legislature authorized the Framework Water Plan. The Plan was initiated in June 2006, and included a summary of the seven river basin plans and a projection of future demands. The Framework was completed in 2007.

**Other**
2009 – Legislature authorized the Green River Decision Support System Feasibility Study. This study determined the feasibility for the development of a decision support system (DSS) in the Green River Basin. The DSS consists of extensive databases and water right's allocation, and consumptive use models.
2010 – Legislature authorized the Recreation and Environmental Study. The study assisted the Office in developing methodologies to define environmental and recreational water demands and benefits, and to incorporate this information in the river basin planning. The study was completed in 2011.
2016 – Legislature authorized the Basin Planning: Environmental and Recreational Use Study in the Bear, Green and Wind/Bighorn Basins (see Basin Planning: Environmental and Recreational Use Study) and the Bear River Data Model Pilot Study to be performed under the Statewide Water Planning effort. For a detailed description of these projects, please refer to the titles, listed in this report.
2018 – Legislature authorized River Basin Planning - GIS Data Model Implementation, River Basin Planning - NHD Plus HR and StreamStats – Phase I and II and River Basin Planning - Water Supply Index to be performed under the Statewide Water Planning effort. For a detailed description of these projects, please refer to the titles, listed in this report.
2019 – Legislature authorized River Basin Planning – StreamStats – Phase III and IV to be performed under the Statewide Water Planning effort. For a detailed description of these projects, please refer to the titles, listed in this report.

**129. PROJECT: Stateline Dam Enlargement**

LEVEL: II
SPONSOR: Bridger Valley Water Conservancy District
LOCATION: South of WY state line in Utah
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:
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.

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.

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 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. The District has submitted a letter to the WWDC expressing their thanks and formally stating the above decision.

**130.** **PROJECT:** **Statewide Water Research**
LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 30 | 1998 | I | $ 41,584 | 2000 |
| Level I | 36 | 2000 | I | $140,000 | 2002 |
| Level I | 86 | 2001 | II | $140,000 | 2002 |
| Level I | 7 | 2002 | I | $200,000 | 2004 |
| Level I | 125 | 2003 | I | $200,000 | 2004 |
| Level I | 31 | 2004 | I | $200,000 | 2006 |
| Level I | 75 | 2005 | I | $200,000 | 2006 |
| Level I | 99 | 2006 | I | $300,000 | 2008 |
| Level I | 85 | 2007 | I | $300,000 | 2008 |
| Level I | 33 | 2008 | I | $300,000 | 2010 |
| Level I | 66 | 2009 | I | $300,000 | 2010 |
| Level I | 32 | 2010 | I | $300,000 | 2012 |
| Level I | 1 | 2011 | I | $300,000 | 2012 |
| Level I | 57 | 2012 | I | $400,000 | 2014 |
| Level I | 66 | 2013 | I | $400,000 | 2014 |
| Level I | 74 | 2014 | I | $319,000 | 2017 |
| Level I | 168 | 2015 | I | $397,338 | 2018 |
| Level I | 38 | 2016 | I | $311,328 | 2019 |
| Level I | 65 | 2017 | I | $384,529 | 2020 |
| Level I | 94 | 2018 | I | $285,150 | 2021 |
| Level I | 105 | 2019 | I | $350,511 | 2022 |
| Level I | 150 | 2020 | I | $243,888 | 2023 |
| Level I | 11 | 2021 | I | $283,454 | 2024 |

PROJECT INFORMATION:

The University of Wyoming's Office of Water Programs annually solicits Wyoming stakeholders to identify areas of needed water research to be conducted by the University. The Advisory Committee, made up of federal and state agency representatives, prioritizes these topics in concert with the Wyoming Water Development Commission and Legislative Select Water Committee and issues a request for proposals to address these areas of concern. From these requests, proposals are ranked by the Advisory Committee based on peer-reviewed selection criteria. The WWDC and SWC then select projects for funding, with Wyoming Water Development Commission funds being augmented with those from the United States Geological Survey (USGS) and the University of Wyoming. The USGS's annual appropriation is approximately $100,000. Research projects in process are listed below:

- Improved Forecasting of Water Content Spatial Distribution and Aquifer Potential Assessment Using Geostatistical and Hydro-Geophysical Methods
- Improving Hydrologic Predictions in Wyoming's Headwaters Through Detailed Quantification of Snowmelt
- Identifying, Predicting and Managing the Occurrence of Harmful Cyanobacterial Blooms in Wyoming Reservoirs
- Understanding the Contribution of Different Microbial Sources to Surface Water for Informed Management of Waterborne Pathogens in Wyoming
- Sediment and Fisheries: An Assessment to Inform Sediment Management Practices at Wyoming Dams
- Recycling Co-Produced Water in the Energy Industry for Economic Development
- Numerical Simulations of the Impact of Cloud Seeding in the Wind River Range on Precipitation, Snowpack and Streamflow

**131. PROJECT: Sundance Tank 2018**

LEVEL: III
SPONSOR: City of Sundance
LOCATION: Crook County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 57 | 2012 | I | $ 150,000 | 2015 |
| Level II | 74 | 2014 | I | $ 183,000 | 2017 |
| Level III | 121 | 2018 | I | $ 722,930 | 2023* |

*67% grant

PROJECT INFORMATION:
The August 31, 2015, Level II Sundance Water System Reconnaissance final report recommended this Level III construction project. The Canyon (40,000 gallon) and Brewer (40,000 gallons) Tanks are reaching their life expectancy and the Town of Sundance has experienced leaks along with erosion and malfunctions of the existing tanks.

The new tank will replace the Canyon and Brewer tanks with a total capacity of 100,000 gallons to provide water to the Sundance West subdivision. Along with the design and construction of the 100,000-gallon tank, the project will also include the design and construction of piping, pump upsizing, and a PRV. The project went to bid in July 2020. Construction began in August 2020 and completed in May 2021. The project is closed out.

**132. PROJECT: Torrington Well Connection 2021**

LEVEL: III
SPONSOR: City of Torrington
LOCATION: Goshen County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 8/15 | 1995/96 | I | $ 250,000 | 1998/99 |
| Level III | 38 | 1998 | I | $ 4,500,000 | 2002/2007 |
| Level III | 88 | 2002 | I | $ 96,000 | 2007 |
| Level I | 105 | 2019 | I | $ 174,000 | 2022 |
| Level III | 12 | 2021 | I | $ 389,270 | 2026 |

PROJECT INFORMATION:
The project is to connect a new well, completed under a Ground Water Grant, to the City of Torrington's water system. The City of Torrington operates a municipal system with about 3,000 taps. Source supply is 5 wells completed in the valley fill (Quaternary-age alluvium) of the North Platte River and the wells have a total average yield of 4,800 gpm. The supplied groundwater is treated at the Central Water Plant by reverse osmosis/blending/chlorination and stored in above-ground tanks with a total capacity of 3.03 million gallons. Torrington received a Ground Water [Exploration] Grant to install an emergency supply well which is in the process of being constructed. The Level III project is for the Well house, necessary piping, pumps and SCADA components to bring the new well on-line. The town has selected an engineer and until the well is completed the design is being held.

**133. PROJECT: Upper Wind River Instream Flows 2019**

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Fremont County
PROGRAM: Instream Flow Studies

EXISTING AND PRIOR LEGISLATION: *

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| N/A | N/A | N/A | N/A | $ N/A | N/A |

*Instream flow studies are no longer funded through appropriations in the Omnibus Water Planning Bills. The contract amount is $64,400 and is funded by the Wyoming Game and Fish Commission.

PROJECT INFORMATION:
Per Wyo. Stat. § 41-3-1003 the Wyoming Game and Fish Commission (WGFC) identifies stream segments they consider to have the most critical need for instream flows. The WGFC, though the Wyoming Game and Fish Department (WGFD), studies and produces biological reports for each identified segment. The analyses completed in the development of the biological reports aid the WGFC in identifying the points on the stream at which the need for instream flows begins and ends, 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. The 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 stream recommended by the WGFC.

Per Wyo. Stat. § 41-3-1004(a), the WWDC is generally 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 facilities. In most cases, the WWDC, administered through the Wyoming Water Development Office (WWDO), contracts with an engineering consultant to complete an instream flow feasibility study. However, there are instances when the WWDC/WWDO will complete a feasibility study internally. Two analyses are 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).
This instream flow study will analyze five segments in the Upper Wind River area, near the Town of Dubois, in Fremont County. The specific segments are:

- Burroughs Creek, tributary of Horse Creek, tributary of Wind River, tributary of Big Horn River, tributary of Yellowstone River.
- Middle Fork Long Creek, tributary of Long Creek, tributary of Wind River, tributary of Big Horn River, tributary of Yellowstone River.
- Sheridan Creek, tributary of Wind River, tributary of Big Wind River, tributary of Big Horn River, tributary of Yellowstone River.
- Stonefly Creek, tributary of Wind River, tributary of Big Wind River, tributary of Big Horn River, tributary of Yellowstone River.
- West Fork Long Creek, tributary of Long Creek, tributary of Wind River, tributary of Big Wind River, tributary of Big Horn River, tributary of Yellowstone River.

The Consultant was given notice to proceed early February, 2020, and the study was completed in 2021. The final report has been delivered to the Wyoming State Engineer's Office (SEO), the WGFD, and the SEO Board of Control Office (BOC) in Division 3. A public hearing was held virtually by the SEO on June 9, 2021. The findings of the study were presented at the hearing. The hearing is part of the process for the SEO to determine if an application will become a permit and move towards adjudication. The

following are the findings from the study. Note that bold and underlined values indicate that a threshold has been met based on the instream flow request for the time period. The threshold for mean monthly unappropriated direct flow is met is when that flow is greater than or equal to the instream flow request. The threshold for % exceedance of requested flow is met when the % exceedance is 20% or greater.

| **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 Long 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 |

**134.** **PROJECT:** **Upton Water Master Plan**
LEVEL: I
SPONSOR: Town of Upton
LOCATION: Weston County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 123 | 1990 | I | $ 150,000 | 1993 |
| Level III | 231 | 1991 | I | $ 365,000 | 1994 |
| Level III | 88 | 2002 | II | $ 158,800 | 2007 |
| Level III | 85 | 2007 | I | $ 75,000 | 2010 |
| Level III | 38 | 2009 | I | $ 395,000 | 2014 |
| Level I | 11 | 2021 | I | $ 153,000 | 2024 |

PROJECT INFORMATION:
The Town of Upton requested a Level I water master plan study to evaluate the current condition of their water system and to provide the tools and guidance necessary to assist in the planning, rehabilitation, upgrading, and managing of their system. The plan would serve as a framework to establish project priorities and to perform financial planning necessary to meet those priorities. The plan would also provide reconnaissance-level information regarding costs and scheduling. Upton is located in Weston County and resides within the Cheyenne River Basin. The Town has a population of 1,100 people and they are served through 525 taps within the corporate limits and 2 taps outside of the corporate limits. The Town is supplied with Madison Limestone aquifer groundwater from three (3) wells and the wells have a total average yield estimated to be approximately 1,100 gpm. The groundwater is treated by chlorination and stored in four (4) storage tanks with a total capacity of 900,000 gallons. The Level I study commenced in the middle 2021 and is scheduled to be completed Summer 2022.

**135. PROJECT: West Fork Reservoir (Little Snake Supplemental Storage)**

LEVEL: II
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 33 | 2008 | III | $ 250,000 | 2010 |
| Level II | 32 | 2010 | III | $ 300,000 | 2012 |
| Level II | 66 | 2013 | III | $ 7,000,000 | 2016 |
| Level II | 66 | 2013 | III | $ (6,220,000) | 2016 |
| Level II | 65 | 2017 | III | $ 6,220,000 | 2022 |
| Level III | 121 | 2018 | III | $ 4,698,000 | 2026 |

PROJECT INFORMATION:

In 2007, the Savery-Little Snake River Water Conservancy District (District) and the Little Snake River Conservation District requested an appropriation of $15 million for Level III funding to finance construction of a dam and reservoir to provide supplemental late season irrigation water to lands within the Little Snake River Basin. The request was in response to the unmet demand for supplemental irrigation water in the Little Snake River Basin. However, the WWDC recommended a Level II study be initiated instead.

In 2008, the District sponsored the Little Snake River Supplemental Storage Level II feasibility analysis which was carried out to identify location and timing of irrigation shortages, determine purpose and need for storage within the Little Snake River Basin, and to analyze storage alternatives. Considering the shortage reductions resulting from the High Savery Reservoir project, alternatives analysis concentrated on smaller storage sites to further reduce the remaining shortages. The identification and screening of thirteen alternatives clearly indicated that one site, West Fork, was the best alternative from a federal permitting and multiple purpose perspective to serve the needs of the District.

In 2010, additional analysis was undertaken to refine the project to the status necessary to advance to permitting and design. During this time, it was determined that the project was feasible, but it became apparent that the one of the reservoir's major supply tributaries, Haggarty Creek would require additional data collection for the NEPA permitting process to be completed. The West Fork Reservoir site is located approximately 7 miles downstream of the inactive Ferris-Haggarty Mine. This mine has impacted stream ecology for over 100 years by discharging copper laden water to Haggarty Creek. Although copper presented significant challenges for the project to overcome, it also presented opportunities for environmental benefits. Furthermore, as eluded to, from wetland, terrestrial wildlife, fishery, sensitive plant species, and cultural perspectives, erecting a dam on the West Fork site, when compared to other potential sites, exhibited the least adverse environmental impact.

In 2013, an appropriation for $7,000,000 was granted by the Legislature to complete water quality analysis, update hydrologic modeling with temporary stream gauging, procure NEPA liaison services, and complete permitting and final design. Hydrologic modeling has been updated and refined with additional data, resulting in estimated average annual irrigation shortages in the West Fork Reservoir service area of 3,600 acre-feet and much higher in some years. A series of water quality and sediment samples have been collected and analyzed, compared against historic water quality data, as well as discussed at length with WYDEQ. Results indicate that post-project conditions will be equal to or better than current water quality conditions experienced in Haggarty Creek, therefore confirming the feasibility in moving forward with permitting and design of the West Fork Reservoir site. The 2013 appropriation

not obligated by contract (approx. $6.22M) reverted to Water Development Account III in 2016 and was subsequently re-appropriated in 2017.

An economic analysis of the project indicates a benefit-cost ratio greater than one. Furthermore, the public benefit for the life of the project would justify a 90%+ grant, making West Fork Reservoir affordable for the District. A legislated land exchange with the U.S. Forest Service was originally discussed and would have required Federal legislation. In 2018, a request was made to the Legislature to appropriate $40M of the $73M required for project construction. A portion of the request ($4.698M) was appropriated with special conditions related to securing additional funding commitments from project beneficiaries in both Wyoming and Colorado on a pro rata basis. Discussions with State of Colorado officials were initiated to describe the project as well as the benefits that accrue to lands within both states. All entities have expressed support for additional storage in the Little Snake/Yampa River drainages and support for the West Fork project. In 2019, the Savery-Little Snake River Water Conservancy District and the Pothook Water Conservancy District jointly applied for financial assistance through the NRCS PL-566 program. A 50% grant in the amount of $1.25M was awarded for watershed planning and NEPA. A Third-Party NEPA Consultant has now been hired to complete a Watershed Project Plan – EIS that will address the issues and analyze a range of alternatives for the West Fork Reservoir Project and associated USFS administrative Land Exchange.

Construction of West Fork Dam and Reservoir will provide supplemental late season irrigation water to lands within the Little Snake River Basin which includes lands in both Wyoming and Colorado. At the same time, the project will provide secondary environmental benefits to the watershed. The 10,000 acre-foot reservoir could have a 6,500 acre-foot active irrigation account, 2,000 acre-foot conservation pool, and a 1,500 acre-foot minimum streamflow bypass account. Managing the new reservoir in conjunction with the existing High Savery Reservoir would have benefits throughout the Basin.

**136. PROJECT: Wheatland Irrigation District Tunnel Dam Rehabilitation 2019**

LEVEL: III
SPONSOR: Wheatland Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 268 | 1989 | II | $ 118,534 | 1991 |
| Level II | 268 | 1989 | II | $ 180,913 | 1991 |
| Level II | 123 | 1990 | II | $ 113,667 | 1992 |
| Level III | 28 | 1992 | II | $ 392,000 | 1994 |
| Level II | 8 | 1995 | II | $ 100,000 | 1996 |
| Level I | 15 | 1996 | I | $ 200,000 | 1998 |
| Level III | 45 | 1997 | II | $ 315,000 | 2000 |
| Level III | 38 | 1998 | II | $ 475,000 | 2002 |
| Level III | 16 | 1999 | II | $ 141,500 | 2000 |
| Level III | 88 | 2002 | II | $ 78,500 | 2006 |
| Level II | 75 | 2005 | II | $ 100,000 | 2006 |
| Level III | 105 | 2006 | II | $ 150,080 | 2010 |
| Level II | 99 | 2006 | II | $ 300,000 | 2008 |
| Level I | 66 | 2009 | II | $ 300,000 | 2010 |
| Level III | 66 | 2011 | II | $ 723,600 | 2016 |
| Level III | 23 | 2015 | II | $ 874,350 | 2020 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Level II | 65 | 2017 | II | $ | 150,000 | 2020 |
| Level III | 55 | 2019 | II | $ | 388,000 | 2024* |
| Level III | 113 | 2020 | II | $ | 5,538,000 | 2024† |

*67% grant, 33% loan

†The 2019 appropriation of $388,000 was increased by $5,150,000 to $5,538,000.

PROJECT INFORMATION:

During the 2017 General Session, the Wheatland Irrigation District (WID) requested, and received, funding to conduct a Level II Feasibility Study to investigate rehabilitation options for the "Tunnel Dam." The Tunnel Dam is a diversion structure on the Laramie River used to create head to divert water via a tunneled conveyance through a surface water divide into Bluegrass Creek. Water is conveyed from Bluegrass Creek downstream to any number of WID's diversions and used throughout the District for irrigation on approximately 54,000 acres of high value cropland.

The Tunnel Dam, originally constructed in approximately 1901, has previously been resurfaced; however, the repairs are failing. The face and toe of the dam are dilapidated and there is extensive scouring, spalling, and exposed rebar which is plainly visible, and the outlet works that allow live stream flow to bypass the structure are no longer functioning. This structure is utilized to deliver stored irrigation water from upstream reservoir facilities and is absolutely crucial to the delivery of water within WID.

Rehabilitation options for the structure were analyzed at its current location, as well as at two alternate locations. The on-site investigation included surveying, geotechnical investigation of the earthen embankment portion of the structure, and concrete-coring of the existing diversion dam and associated appurtenances. The report recommends to rehabilitate the existing diversion dam at its current location by installing a concrete overlay, new gate structure, sluiceway, and stilling basin. The concrete overlay design will incorporate an ogee crest and stepped spillway, allowing larger flood events to pass over the structure, eliminating the need for the auxiliary spillway. Furthermore, the larger slide gates and sluiceway will promote longevity of the rehabilitated structure by bypassing flows whenever possible and providing better sediment management on the upstream side of the diversion. Results of the stated geotechnical investigation revealed saturation and weakness in the earthen embankment portion of the structure and the floodplain deposits. Additionally, the existing left abutment wall is failing and at the end of its useful life, therefore should be removed and replaced. For these reasons, it has been recommended to excavate all of the existing dam fill and floodplain deposits to bedrock to access the abutment wall and rebuild the embankment at a 3:1 slope with the appropriate compaction.

In 2019 the Legislature appropriated $388,000 for Level III design only funding. In 2020 the Legislature approved an additional $5,150,000 for project construction. The project was bid summer 2020 and the project has currently issued substantial completion.

**137.** **PROJECT:** **Wheatland Water Master Plan**

LEVEL: I
SPONSOR: Town of Wheatland
LOCATION: Platte County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 2 | 2001 | I | $ 222,000 | 2006 |
| Level III | 69 | 2003 | I | $ 100,000 | 2008 |
| Level III | 121 | 2007 | I | $ 222,440 | 2012 |
| Level I | 66 | 2009 | I | $ 150,000 | 2012 |
| Level III | 23 | 2015 | I | $ 502,500 | 2020 |
| Level III | 55 | 2016 | I | $ 522,600 | 2021 |
| Level III | 75 | 2017 | I | $ 994,950 | 2022 |
| Level I | 11 | 2021 | I | $ 125,000 | 2024 |

PROJECT INFORMATION:

A water master plan was requested by the Town of Wheatland to evaluate the current condition of their water system and to provide the tools and guidance necessary to assist the planning, rehabilitation, upgrading, and managing of their system. The plan will serve as a framework for the town to establish project priorities and to perform financial planning necessary to meet those priorities. The study will also include a plan to accommodate future growth and provide reconnaissance level information regarding costs and scheduling.

The water master plan will identify the system's problems such as storage, transmission, and distribution. Specific system concerns include: conducting a life-cycle comparison for resealing the epoxy-lined Black Mountain Tank versus replacing it with a new tank; recommending options to address several areas of the town with small diameter distribution lines; and ensuring the town's wells remain within EPA compliance for water quality, particularly in regards to uranium content. The project will be ongoing in 2022.

**138. PROJECT: Wheatland Wells 2017**

LEVEL: III
SPONSOR: Town of Wheatland
LOCATION: Platte County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 75 | 2017 | I | $ 994,950 | 2022* |

*67% grant

PROJECT INFORMATION:

The project included drilling two new municipal wells approximately 500 feet deep on Town land and connecting them to the Town's water system. Also included in the project are two new well houses, well pumps, control equipment and piping to connect the new wells to the adjacent water transmission lines. The Town has recently found that two of its older wells have uranium concentrations and Well No. 6 has failed with a likely casing collapse. The Town currently has two wells that are 80 plus years old (one is Well No. 6), one well that is 58 years old, two wells that are 48 years old, and two wells that are near 37 years old. This project will replace Well No. 6 as well as backup to the other aging wells that are nearing the end of their useful lives. The new wells have been completed. The construction of the new transmission pipeline was completed in the winter of 2020. Upon initiating pumping of the wells, it was discovered that there were issues with the pumps and pump starters. The contractor and engineer finalized repairs to the controllers and the project was completed at the end of 2020 and closed out in 2021.

**139.** **PROJECT:** **Wind River Inter-Tribal Council Rehabilitation 2019**

LEVEL: III
SPONSORS: Eastern Shoshone and/or Northern Arapaho Tribes through the Office of the Tribal Engineer
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 55 | 2019 | II | $ 929,000 | 2024* |

*50% grant

PROJECT INFORMATION:
The Wind River Irrigation System which is operated by the Bureau of Indian Affairs and is in dire need of rehabilitation. Deferred maintenance has been estimated in the range of $90M by past studies. The tribes have taken on the task of rehabilitating the irrigation system in phases. The rehabilitation of the system will increase the efficiency of the irrigation project and as a result will allow for a longer more profitable growing season. The sponsor is currently working to select engineers for the design of the next project with this funding.

**140.** **PROJECT:** **Wind River Irrigation Rehabilitation 2015**

LEVEL: III
SPONSORS: Eastern Shoshone and/or Northern Arapaho Tribes through the Office of the Tribal Engineer
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 23 | 2015 | II | $ 1,482,121 | 2020* |
| Level III | 112 | 2020 | II | $ 0 | 2022† |

*67% Grant
†Time extension only

PROJECT INFORMATION:
The Wind River Irrigation System which is operated by the Bureau of Indian Affairs and is in dire need of rehabilitation. Deferred maintenance has been estimated in the range of $90M by past studies. The tribes have taken on the task of rehabilitating the irrigation system in phases. The rehabilitation of the system will increase the efficiency of the irrigation project and as a result will allow for a longer more profitable growing season. The project has been completed.

# COMPLETED PROJECT REPORTS

# CHAPTER 4 – COMPLETED PROJECT REPORTS

## Completed Planning (Level I and II) Projects

If you require information on any of the following reports, please contact WWDO or visit our web site at wwdc.state.wy.us. Many of these reports are available on the web site and can be reviewed or downloaded:

1. Aladdin Water Supply
2. Alpine Master Plan Update
3. Alta Master Plan/Test Well
4. Arapahoe Water Supply
5. Austin and Wall Rehabilitation
6. Austin Wall Canals
7. Austin-Wall Reservoir Rehabilitation
8. Badwater-Poison Creek Watershed Study
9. Basin-Big Horn Canal
10. Basin Planning Environmental and Recreation
11. Basin Planning: Environmental and Recreational Use Study
12. Bear River Data Model Pilot Study
13. Bear River Groundwater Basin Planning
14. Bear River Hydrology Model
15. Bear River Watershed Study
16. Beaver Creek Watershed Study
17. Bedford Water Supply Master Plan
18. Belle Fourche River Watershed Study
19. Bench Canal Company Master Plan
20. Beulah Water Supply
21. Big Horn Canal Rehabilitation
22. Big Horn Regional Groundwater
23. Big Horn Regional Southern Water Supply
24. Big Laramie River Oasis Ditch Diversion Rehabilitation
25. Big Sandy Enlargement
26. Big Sandy Watershed Study
27. Big Valley & Crossed Arrows Improvement District Water Supply
28. Big Wind River Storage Study
29. Bitter Creek/East Flaming Gorge Watershed Study
30. Black Willow Water Supply
31. Blacks Fork Watershed Study
32. Bluff/Upper Bluff Irrigation Districts Master Plan
33. Boulder Flats Water Supply
34. Boulder Irrigation District Rehabilitation
35. Boulter Lake Enlargement
36. Bridger Valley Level II Reservoir Project
37. Bridger Valley Water Supply
38. Broken Wheel Ranch Master Plan
39. Buckskin Extension Master Plan/Gillette Regional
40. Buffalo Creek Watershed Study
41. Buffalo Groundwater Supply
42. Buffalo Master Plan
43. Buffalo Northwest Water Supply
44. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
45. Burns Water Supply
46. Byron Master Plan

47. Cambria/Sweetwater Water Supply
48. Canyon/Newcastle Area Water Supply
49. Casper Alcova Rehabilitation, GIS
50. Centennial Well and Master Plan
51. CBM Aquifer Storage and Retrieval
52. Cheyenne Belvoir Ranch Groundwater
53. Cheyenne Hydro Power
54. Cheyenne/Laramie County Water Service Area
55. Clear Creek Watershed Study
56. Clearmont CBM Impact
57. Clearmont Test Well Study
58. Cody Canal Irrigation District Hydropower
59. Cody Canal Laterals
60. Cody Canal Rehabilitation, GIS
61. Cody Master Plan
62. Cokeville Reservoir
63. Cokeville Tri-Diversion Rehabilitation
64. Corner Mountain Test Well
65. Cottonwood/Grass Creek Storage
66. Cottonwood/Grass Creek Watershed Management Plan
67. Cottonwood Irrigation District Master Plan
68. Cottonwood Lake Enlargement
69. Cowley Master Plan
70. Crook County Reservoirs and Water Management
71. Crook County Rural Water Supply Plan
72. Crow Creek Groundwater Recharge
73. Crowheart Area/Dinwoody Canal System
74. Dayton Raw Water Irrigation
75. Deaver Irrigation District Master Plan Update
76. Deaver (Town of ) Master Plan
77. Deer Creek Dam and Reservoir
78. Dixon Water Supply
79. Douglas Ground Water
80. Douglas Master Plan
81. Dry Creek Irrigation District Master Plan
82. Dubois Regional Water Supply
83. Eden Valley (Farson) Master Plan Level I
84. Eden Valley (Farson) Master Plan Level II
85. Eden Valley Irrigation District Master Plan
86. Eight Mile-High Plains Well
87. Encampment/Sierra Madre Water Supply
88. Enterprise Conservation Program
89. Evanston Water Master Plan
90. Evansville Master Plan
91. Fontenelle Pipeline
92. Fort Laramie Water Supply
93. Fox Ridge Extension Master Plan/Gillette Regional
94. Frannie Raw Water
95. Frannie Well Rehabilitation
96. Gillette Regional Connections
97. Gillette Regional Master Plan
98. Glenrock Master Plan
99. Goose Creek Watershed Study

100. Goshen Irrigation District Master Plan 2006
101. Goshen Re-regulating Reservoir
102. Grace Land Extension Master Plan/Gillette Regional
103. Granger Water Supply
104. Green River Basin Plan-Groundwater
105. Green River Basin Plan-Update
106. Green River Decision Support System Feasibility Study
107. Green River Groundwater Recharge and Alternate Storage
108. Green River-Rock Springs-Sweetwater County Master Plan
109. Green River/Rock Springs/Sweetwater County JPWB Pipeline Feasibility Study
110. GR/RS/SC JPWB Pump Station & Transmission
111. GR-RS-SC JPB Water Supplies
112. Green River/Rock Springs/Sweetwater County JPWB Wind River Zone Study
113. Green River West Water Supply
114. Greybull Raw Water
115. Greybull River Watershed Study
116. Greybull Tank and Master Plan
117. Greybull Valley Hydropower
118. Greybull Valley Rehabilitation, GIS
119. Greybull Valley Sunshine Diversion
120. Greybull Wells Rehabilitation
121. Guernsey Master Plan
122. Hanna Water System Level I
123. Hanna Water System Level II
124. Hanover ID Bighorn Flume Replacement
125. Hanover Irrigation District Master Plan
126. Hawk Springs Master Plan
127. Hawk Springs Water Supply
128. Heart Mountain Canal Rehabilitation
129. Heart Mountain Irrigation District Master Plan
130. Heart Mountain ID Return Flow Study
131. Heart Mountain Rehabilitation
132. High Meadow Ranch, Level II
133. High Meadow Ranch Master Plan
134. Hoback Junction Rural Regional Master Plan
135. Hoback Junction Water Supply
136. Hog Island Water Master Plan
137. Hopkins Producers Irrigation District Reservoir Study
138. Horse Creek Watershed Study
139. Hot Springs State Park, Big Springs Study
140. Hyattville Water Supply
141. Indian Paintbrush Water Supply
142. Interstate Canal and Beaver Meadows Reservoir Rehabilitation
143. Irrigation Hydro Power
144. James Town/Rio Vista Water Supply
145. Jeffrey City Water Supply
146. Jons Drop Hydropower
147. Kaycee Well & Storage
148. Kemmerer-Diamondville Master Plan
149. Kemmerer/Diamondville Water Supply
150. Kennington Springs
151. Keystone and Farmers Canal Master Plan
152. Kirby Area Water Supply Study

153. Kirby Creek Watershed Study
154. Kirby Ditch Rehabilitation
155. Kirby Irrigation District Conservation Program
156. Kirby Municipal Master Plan
157. LaBarge Water Supply
158. Lake DeSmet Facilities Acquisition
159. Lakeview Irrigation Master Plan
160. Lance Creek Water Supply
161. Lance Creek Well
162. Lander Master Plan
163. Lander Paleozoic Well
164. LaPrele Irrigation District Master Plan
165. Laramie County Aquifer Study
166. Laramie Water Management Study
167. Laramie Master Plan
168. LeClair Irrigation District Master Plan
169. LeClair/Riverton Valley Irrigation Storage
170. Little Snake Canals
171. Little Snake River Valley Municipal Water Supply
172. Little Snake River Watershed Study
173. Little Snake Supplemental Storage
174. Little Wind River Storage Study
175. Lodgepole Creek ASR
176. Lovell ID Hydro Power
177. Lovell ID Master Plan
178. Lovell Master Plan
179. Lower Clear Creek Irrigation District – Leiter Ditch Rehabilitation Study
180. Lower Laramie River Watershed Study
181. Lower Nowood Rural Water Supply
182. Lucerne Water Supply
183. Lusk Master Plan
184. Lusk Water Supply Study
185. Lysite Water Supply
186. Manderson Water Master Plan
187. Manville Water Supply
188. Manville Well
189. Means First Extension Master Plan/Gillette Regional Connection
190. Medicine Bow River Watershed Study
191. Meeteetse Master Plan
192. Melody Ranch Water Supply Study
193. Middle Big Horn River Watershed Study
194. Middle Fork Dam
195. Middle Fork Powder Watershed Management Plan
196. Middle North Platte – Glendo Watershed Study
197. Middle North Platte Watershed
198. Middle Piney Dam Reservoir
199. Midvale Conservation Program
200. Midvale Irrigation District Hydropower Study
201. Moorcroft Master Plan
202. Newcastle Madison Well
203. New Fork River Watershed Study
204. Niobrara/Lower North Platte Rivers Watershed Study
205. North Canal-Grover

206. North Cheyenne Master Plan
207. North Fork Shoshone Water Supply
208. North Platte Water Yield Analysis
209. Northeast Wyoming Interactive Database
210. Northern Arapaho Ground Water
211. Northwest Rural Water Master Plan
212. Nowood River Watershed Study
213. Opal Master Plan
214. Opal Regional Water Supply
215. Osage Water Master Plan
216. Owl Creek Irrigation District Conservation Study
217. Owl Creek Irrigation Master Plan
218. Owl Creek Water Supply
219. Owl Creek Watershed Study
220. Pavillion Area Water Supply
221. Pavillion Water Supply
222. Pine Bluffs Master Plan
223. Pine Haven Master Plan
224. Pine Haven Tank and Well Study
225. Pinedale Hydro Power
226. Pinedale Hydro Power Study
227. Pinedale Master Plan
228. Piney Cruse Diversion
229. Pioneer Rehabilitation
230. Platte Alliance Water Supply (PAWS) Study
231. Platte-Goshen Regional Master Plan
232. Platte River Basin Plan-Groundwater
233. Platte River Basin Plan Update
234. Poison Spider Pipelines
235. Popo Agie Watershed Management Plan
236. Popo Agie Watershed Study, Phase II
237. Powder River Water Supply
238. Powder/Tongue Northeast Groundwater Analysis
239. Powder/Tongue Northeast River Basin Plan Update
240. Powell Airport Water Supply
241. Probable Maximum Precipitation Study
242. Rawlins Master Plan
243. Rawlins Operations Study
244. Ray Lake Enlargement
245. River Basin Planning-GIS Data Model Implementation
246. River Basin Planning-NHDPlus and Streamstats – Phase I and II
247. River Basin Planning-Water Supply Index
248. Red Lane Master Plan
249. Rock Springs East Water Supply
250. Rock River Water Master Plan
251. Rolling Hills Groundwater Supply
252. Rolling Hills Master Plan
253. Salt Creek-Edgerton-Midwest Master Plan
254. Saratoga Groundwater
255. Saratoga Water Master Plan
256. SEO/Lusk Area Ground Water
257. Shell Canal Tunnel
258. Sheridan Municipal Watershed Wildfire Hazard Mitigation Assessment

259. Sheridan Supplemental Storage
260. Sheridan Water Master Plan
261. Shell Valley Watershed Management Plan
262. Shell Valley Storage
263. Shell Water Master Plan
264. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
265. Shoshone ID Rehabilitation, GIS
266. Smith's Fork Dam
267. Snake/Salt River Basin-Groundwater Analysis
268. South Big Horn County Rural Water District Expansion
269. South Circle Master Plan
270. South Garden Creek Water Supply
271. South Platte River Watershed Study
272. South Worland Water Master Plan
273. Squaw Creek Water Supply
274. Star Valley Ranch Water Supply
275. Star Valley Regional Master Plan
276. State Stream Gage System
277. Sublette Creek Reservoir
278. Sundance Master Plan, Level I
279. Sundance Water System Feasibility Study
280. Sweetwater River Watershed
281. Sweetwater Water Supply
282. Tensleep/Hyattville Master Plan
283. Tensleep Water Supply
284. Thermopolis Master Plan
285. Thermopolis Storage and Raw Water
286. Three Horses Watershed Study
287. Thunder Basin Watershed Studies I and II
288. Torrington Water Master Plan
289. University of Wyoming Irrigation Water Supply
290. Upper Green River Watershed Study
291. Upper Green River Westside Storage
292. Upper Laramie River Watershed Study
293. Upper North Platte Watershed Study
294. Upper Snake River Watershed Study
295. Upper Wind River Storage
296. Viva Naughton Enlargement
297. Wagner Cherokee Irrigation Rehabilitation
298. Wamsutter Well 2010
299. Washakie County Safety
300. Weather Modification Bighorn, Laramie, Medicine Bow and Sierra Madre Mountains-2016
301. Weather Modification Pilot Program
302. Weather Modification – Salt River and Wyoming Ranges
303. Weather Modification – Wyoming Range
304. Westside Irrigation NEPA
305. Wheatland ID Master Plan
306. Wheatland ID System Phase II
307. Wheatland Irrigation District Tunnel Dam Rehabilitation
308. Wheatland Master Plan
309. Willwood Irrigation District Master Plan
310. Willwood ID Rehabilitation, GIS

311. Wind River/Big Horn River Basin Plan Update
312. Wind River Glaciers
313. Worland Area Irrigated Lands GIS
314. Worland Eastside Transmission Linew
315. Worland Wells Test
316. Wright Master Plan
317. Yoder Groundwater Project
318. York/South Side Ditch Master Plan

**Completed Planning Instream Flow (Level I) Projects**

1. Report on the Feasibility of Providing Instream Flow in a Segment of the Clarks Fork Yellowstone River
2. Report on the Feasibility of Providing Instream Flow in a Segment of the Middle Fork Powder River
3. Report on the Feasibility of Providing Instream Flow in Segment Number One of the Tongue River
4. Report on the Feasibility of Providing Instream Flow for Sand Creek
5. Report on the Feasibility of Providing Instream Flow in Segment Number One of Tensleep Creek
6. Report on the Feasibility of Providing Instream Flow in a Segment Number One of the Green River
7. Report on the Feasibility of Providing Instream Flow in New Fork River Instream Flow Segment No. 1
8. Report on the Feasibility of Providing Instream Flow in the Laramie River Instream Flow Segment No. 1
9. Report on the Feasibility of Providing Instream Flow in the Little Bighorn River Flow Segment No. 1 Temporary Filing No. 26 5/339
10. Report on the Feasibility of Providing Instream Flow in the North Cottonwood Creek Instream Flow Segment No. 1 Temporary Filing No. 26 4/388
11. Report on the Feasibility of Providing Instream Flow in the South Fork Grand Encampment River Flow Segment No. 1 Temporary Filing No. 26 5/399
12. Report on the Feasibility of Providing Instream Flow in the South Cottonwood Creek Instream Flow Segment No. 1 Temporary Filing No. 26 6/383
13. Report on the Feasibility of Providing Instream Flow in the Big Wind River - - Instream Flow Segment No. 1 Temporary Filing No. 26 5/341
14. Final Report Little Snake River Instream Flow Study Project
15. Final Report on the Feasibility of Providing Instream Flows in the Douglas Creek Drainage
16. Final Report on the Feasibility of Providing Instream Flows in the North Platte River
17. Report on the Feasibility of Providing Instream Flow in the Fish Creek Instream Flow Segment No. 1 Temporary Filing No. 27 2/186
18. Report on the Feasibility of Providing Instream Flow in the La Barge Creek Instream Flow Segment No. 1 Temporary Filing No. 27 3/146
19. Report on the Feasibility of Providing Instream Flow in the Middle Piney Creek Instream Flow Segment No. 1 Temporary Filing No. 27 6/185
20. Report on the Feasibility of Providing Instream Flow in the North Piney Creek Instream Flow Segment No. 1 Temporary Filing No. 27 5/185
21. Report on the Feasibility of Providing Instream Flow in the South Piney Creek Instream Flow Segment No. 1 Temporary Filing No. 27 1/186
22. Feasibility of Providing Deer Creek Instream Flows in Segment No. 1 - Deer Creek Canyon Temporary Filing No. 27/3/185
23. Report on the Feasibility of Providing Instream Flow in Segments 1 and 2 of Shell Creek
24. Report on the Feasibility of Providing Instream Flow in Segment 1 of the Sweetwater River

25. Report on the Feasibility of Providing Instream Flow in Grey's River Instream Flow Segment No. 1 Temporary Filing No. 28 2/159
26. Report on the Feasibility of Providing Instream Flow in Fish Creek Instream Flow Segment No. 1 and No. 2 Temporary Filing No. 28 4/158 and No. 28 5/158
27. Report on the Feasibility of Providing Instream Flow in Salt River Instream Flow Segment No. 1 Temporary Filing No. 28 3/80
28. Report on the Feasibility of Providing Instream Flow in East Fork Smiths Fork Creek Instream Flow Segment No. 1 Temporary Filing No. 28 2/84
29. Final Report of the Savery Area Instream Flow Study
30. Report on the Feasibility of Providing Instream Flow in the Salt Creek/Thomas Fork Drainage for Water Canyon; Giraffe Creek; Coal Creek; Raymond Creek; Salt Creek; Huff Creek
31. Final Report on the Feasibility of Providing Instream Flow in the Little Popo Agie River Instream Flow Segment No. 1 Temporary Filing No. 28 3/159
32. Report on the Feasibility of Providing Instream Flow in the Medicine Lodge Creek Instream Flow Segment No. 1 Temporary Filing No. 27 2/146
33. Report on the Feasibility of Providing Instream Flow in the Salt Creek/Thomas Fork Drainage for Packstring Creek Segment; Little White Creek Segment
34. Report on the Feasibility of Providing Instream Flow in the Smiths Fork Drainage for Smiths Fork; Porcupine Creek; Hobble Creek; Coantag Creek; Coal Creek; Poker Hollow Creek; Lander Creek; Trespass Creek; North Fork Smiths Fork River
35. Report on the Feasibility of Providing Instream Flow in the Hams Fork Instream Flow Segment No. 1 Temporary Filing No. 26 2/332
36. Report on the Green River Tibutaries #2 Instream Flow for Gilbert Creek; Little Gilbert Creek; Sage Creek; Currant Creek; Trout Creek; Red Creek
37. Reports on the Feasibility of Providing Instream Flow in Pine Creek (at Pinedale) Direct Flow Instream Flow Filing No. 31 4/105 Secondary Storage Instream Flow Filing No. 31 5/70 (From Permit Nos. 4452R, 4453R & 4465R)
38. Report on the Instream Flow Feasibility for Dry Fork Tributary of the Little Big Horn Creek Segment
39. Report on the Instream Flow Feasibility for Wagonhound Creek
40. Report on the Instream Flow Feasibility for Clear Creek - Segment #1; Clear Creek - Segment #2
41. Reports on the Feasibility of Providing Instream Flows on Greybull River Tributaries
42. Reports on the Feasibility of Providing Instream Flows on Wood River Tributaries
43. Rock Creek Instream Flow Study, Rock Creek Instream Flow, TFN 33 1/276
44. Marquette Creek and Trout Creek Instream Flow, Level I Study, Marquette Creek Instream Flow, TFN 33 5/275; Trout Creek Instream Flow, TFN 33 6/275
45. East Fork Wind River Area Instream Flows, Level I Study
46. Greys-Hoback Basin Instream Flows, Level I Study
47. Muddy Creek Basin Instream Flows, Level I Study
48. Bighorn and Nowood Basins Instream Flows, Level I Study
49. Shoshone River Instream Flow Hydrologic Study (Technical Memorandum)
50. Savery Creek Instream Flow Feasibility Study (Report)
51. Bighorn Mountains Instream Flows, Level I Study
52. Sunlight Basin Instream Flows, Level I Study

## Completed Construction (Level III) Projects

**01.** **PROJECT:** **33 Mile Pump Station**
SPONSOR: 33 Mile Road Improvement & Service District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $139,695
ACTUAL EXPENDITURES: $129,827
DESCRIPTION: Construction of a booster pump station near the intersection of 33 Mile Road and Enberg Road to alleviate low water pressures being experienced by the residents.
ENGINEER: Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR: Wayne Coleman Construction, Inc.; Casper, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2011

**02.** **PROJECT:** **Afton Springs Water Supply**
SPONSOR: Town of Afton
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $450,000
ACTUAL EXPENDITURES: $450,000
DESCRIPTION: Renovation of Periodic Springs intake and pipeline to protect from rock fall
ENGINEER: BRS, Inc.; Riverton, WY
CONTRACTOR: Roberts Construction; Evanston, WY
Kilroy and Company; Alpine, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 2000

**03.** **PROJECT:** **Afton Water Supply**
SPONSOR: Town of Afton
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $2,600,000
ACTUAL EXPENDITURES: $2,518,911
DESCRIPTION: Spring renovation, pipeline, storage tank, well
ENGINEER: Sunrise Engineering; Afton, WY
CONTRACTOR: Kilroy Construction; Alpine, WY
Snyder Construction; Lyman, WY
AG SERVICES, Inc.; Blackfoot, ID
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1991

**04.** **PROJECT:** **Afton Well**
SPONSOR: Town of Afton
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $250,000
ACTUAL EXPENDITURES: $250,000
DESCRIPTION: Well house, meter, well controls and pipeline

| | | |
|---|---|---|
| | ENGINEER | Sunrise Engineering; Afton, WY |
| | CONTRACTOR: | Johnson Excavation, Inc.; Inkom, ID |
| | YEAR COMPLETED: | 2008 |
| | SESSION LAW YEAR: | 2006 |
| **05.** | **PROJECT:** | **Airport Bench Water Supply** |
| | SPONSOR: | Airport Bench W&S District |
| | LOCATION: | Big Horn County (Greybull) |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $225,000 |
| | ACTUAL EXPENDITURES: | $225,000 |
| | DESCRIPTION: | Pipeline, storage tank |
| | ENGINEER: | Engineering Associates; Cody, WY |
| | CONTRACTOR: | Whitlock Construction; Powell, WY |
| | YEAR COMPLETED: | 1995 |
| | SESSION LAW YEAR: | 1991 |
| **06.** | **PROJECT:** | **Albin 2005 Well** |
| | SPONSOR: | Town of Albin |
| | LOCATION: | Laramie County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $227,280 |
| | ACTUAL EXPENDITURES: | $155,274 |
| | DESCRIPTION: | Incorporate well into municipal system |
| | ENGINEER: | BenchMark Engineering; Cheyenne, WY |
| | CONTRACTOR: | Strong Construction, Inc.; Torrington, WY |
| | YEAR COMPLETED: | 2008 |
| | SESSION LAW YEAR: | 2005, 2006 |
| **07.** | **PROJECT:** | **Albin Pipelines and Well Rehabilitation** |
| | SPONSOR: | Town of Albin |
| | LOCATION: | Laramie County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $235,100 |
| | ACTUAL EXPENDITURES: | $152,073 |
| | DESCRIPTION: | Well rehabilitation and transmission pipelines |
| | ENGINEER: | BenchMark Engineers; Cheyenne, WY |
| | CONTRACTOR: | Crow Creek Construction; Greeley, CO |
| | YEAR COMPLETED: | 2011 |
| | SESSION LAW YEAR: | 2004 |
| **08.** | **PROJECT:** | **Alpine Raw Water** |
| | SPONSOR: | Town of Alpine |
| | LOCATION: | Lincoln County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $41,700 |
| | ACTUAL EXPENDITURES: | $ 7,409 |
| | DESCRIPTION: | Pipeline, storage tank |
| | ENGINEER: | Engineering Associates; Cody, WY |
| | CONTRACTOR: | Whitlock Construction; Powell, WY |
| | YEAR COMPLETED; | 2005 |
| | SESSION LAW YEAR: | 2002 |

| | | |
|---|---|---|
| **09.** | **PROJECT:** | **Alpine Water Supply** |
| | SPONSOR: | Town of Alpine |
| | LOCATION: | Lincoln County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $700,000 |
| | ACTUAL EXPENDITURES: | $700,000 |
| | DESCRIPTION: | Pipeline, storage tanks, well |
| | ENGINEER: | Sunrise Engineering; Afton, WY |
| | CONTRACTOR: | Kilroy Construction; Alpine, WY |
| | | ABC Tank; Salt Lake City, UT |
| | YEAR COMPLETED: | 1997 |
| | SESSION LAW YEAR: | 1995 |

| | | |
|---|---|---|
| **10.** | **PROJECT:** | **Alpine Water Supply** |
| | SPONSOR: | Town of Alpine |
| | LOCATION: | Lincoln County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $688,090 |
| | ACTUAL EXPENDITURES: | $ 87,162 |
| | DESCRIPTION: | Well completion and connection piping |
| | ENGINEER: | Rendezvous Engineering; Jackson, WY |
| | CONTRACTOR: | Kilroy, LLC; Afton, WY |
| | | Thomas Drilling; Afton, WY |
| | | Pump Tech Co. Inc.; Idaho Falls, ID |
| | YEAR COMPLETED: | 2012 |
| | SESSION LAW YEAR: | 2007 |

| | | |
|---|---|---|
| **11.** | **PROJECT:** | **Alpine Wells Rehabilitation** |
| | SPONSOR: | Town of Alpine |
| | LOCATION: | Lincoln County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $359,790 |
| | ACTUAL EXPENDITURES: | $359,720 |
| | DESCRIPTION: | Well pump upgrades, emergency power generator |
| | ENGINEER: | Rendezvous Engineering; Jackson, WY |
| | CONTRACTOR: | Thomas Drilling; Afton, WY |
| | YEAR COMPLETED: | 2011 |
| | SESSION LAW YEAR: | 2006 |

| | | |
|---|---|---|
| **12.** | **PROJECT:** | **Alta/Targhee Towne Water Supply** |
| | SPONSOR: | Targhee Towne Water District |
| | LOCATION: | Teton County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $466,000 |
| | ACTUAL EXPENDITURES: | $418,671 |
| | DESCRIPTION: | Two well completions, well houses and pipeline |
| | ENGINEER: | Rendezvous, Engineering; Jackson, WY |
| | CONTRACTOR: | Westwood Curtis Construction, Inc.; Jackson WY |
| | YEAR COMPLETED: | 2008 |
| | SESSION LAW YEAR: | 2005 |

**13.** **PROJECT:** **American Road Water Supply Project**
SPONSOR: American Road Water and Sewer District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $250,000
ACTUAL EXPENDITURES: $132,010
DESCRIPTION: New Well
ENGINEER: Wester-Wetstein Associates; Laramie, WY
CONTRACTOR: Ruby Drilling; Gillette, WY
YEAR COMPLETED; 1999
SESSION LAW YEAR: 1997

**14.** **PROJECT:** **Antelope Valley Regional Connection**
SPONSOR: Antelope Valley Improvement and Service District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $201,000
ACTUAL EXPENDITURES: $201,000
DESCRIPTION: Connection to Gillette Regional System, blending vault, chlorination system, and storage tank transmission piping
ENGINEER: EnTech Inc.; Sheridan, WY
CONTRACTOR: DRM, Inc.; Gillette, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2014

**15.** **PROJECT:** **Antelope Valley Storage Facility**
SPONSOR: Antelope Valley Improvement & Service Dist.
LOCATION: Campbell County
PROGRAM: Rehabilitation
APPROPRIATION: $850,000
ACTUAL EXPENDITURES: $378,621
DESCRIPTION: Storage Tank
ENGINEER: Bruce Engineering Services; Gillette, WY
CONTRACTOR: L&T Fabrication; Gillette, WY
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1994

**16.** **PROJECT:** **Antelope Valley Water Supply**
SPONSOR: Antelope Valley Improvement & Service District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $102,000
ACTUAL EXPENDITURES: $ 94,107
DESCRIPTION: New Well
ENGINEER: Wester-Wetstein and Associates; Laramie, WY
CONTRACTOR: Michael's Construction; Gillette; WY
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2000

**17.** **PROJECT:** **Arapahoe Water Supply**
SPONSOR: Northern Arapaho Tribal Business Council
LOCATION: Fremont County (Wind River Indian Reservation)
PROGRAM: New Development

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|---|---|
| APPROPRIATION: | $385,250 |
| ACTUAL EXPENDITURES: | $364,077 |
| DESCRIPTION: | Water Supply |
| ENGINEER: | Gores |
| CONTRACTOR: | 71 Construction |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2010 |

**18. PROJECT: Austin-Wall Canal Rehabilitation Phase I**

| | |
|---|---|
| SPONSOR: | Austin-Wall Irrigation District |
| LOCATION: | Uinta County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,600,000 |
| ACTUAL EXPENDITURES: | $1,411,253 |
| DESCRIPTION: | Repairs to leaking canals |
| ENGINEER: | Sunrise Engineering, Inc.; Afton, WY |
| CONTRACTOR: | MD Nursery & Landscaping, Inc.; Driggs, ID |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2013, 2014, 2015 |

**19. PROJECT: Baggs Raw Water and Dedicated Transmission Line**

| | |
|---|---|
| SPONSOR: | Town of Baggs |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $331,500 |
| ACTUAL EXPENDITURES: | $331,500 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Lidstone and Associates; Fort Collins CO |
| CONTRACTOR: | Edward Hawley, LLC; Torrington, WY |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2005 |

**20. PROJECT: Baggs Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Baggs |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $120,000 |
| ACTUAL EXPENDITURES: | $114,519 |
| DESCRIPTION: | Construction of stream bed infiltration intake and pipeline to provide for a more reliable raw water source from the river. |
| ENGINEER: | A.V.I. Professional Corporation; Cheyenne, WY |
| CONTRACTOR: | High Plains Construction, Inc.; Mills, WY |
| YEAR COMPLETED: | 2003 |
| SESSION LAW YEAR: | 2001, 2003 |

**21. PROJECT: Bairoil Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Bairoil |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $480,000 |
| ACTUAL EXPENDITURES: | $445,040 |
| DESCRIPTION: | To develop an alternative groundwater supply to the Battle Springs Pipeline. |

| | | |
|---|---|---|
| | ENGINEER: | Wester-Wetstein & Associates; Laramie, WY<br>Camp Creek Engineering; Laramie, WY |
| | CONTRACTOR: | Three Sons; Hanna WY<br>Bartlett Oilfield Services; Bairoil, WY<br>Bruce Thayer; Rawlins WY |
| | YEAR COMPLETED: | 2006 |
| | SESSION LAW YEAR: | 2000, 2004 |
| **22.** | **PROJECT:** | **Basin Area Water Supply (formerly Manderson Water Supply)/Basin Gardens Water Project** |
| | SPONSOR: | South Big Horn County Water Supply JPB |
| | LOCATION: | Big Horn County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $670,000+$5,360,000+$200,000+<br>$559,450=$6,789,450 |
| | ACTUAL EXPENDITURES: | $6,566,455 |
| | DESCRIPTION: | The project consists of wells, storage and transmission pipelines to Manderson, Basin and the surrounding areas. |
| | ENGINEER: | Graham, Dietz and Associates; Cody, WY |
| | CONTRACTOR: | Cyclone Drilling; Gillette, WY<br>Larry's, Inc.; Gillette, WY<br>Brandon Construction, Inc.; Powell, WY<br>Lamax Construction, Inc.; Basin, WY<br>Lamax Construction, Inc.; Basin, WY |
| | YEAR COMPLETED: | 1995-2006 |
| | SESSION LAW YEAR: | 1995, 1996, 1998, & 2003 |
| **23.** | **PROJECT:** | **Basin Storage Tank** |
| | LEVEL: | III |
| | SPONSOR: | Town of Basin |
| | LOCATION: | Big Horn County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,634,000 |
| | ACTUAL EXPENDITURES: | $ 939,928 |
| | DESCRIPTION: | Replace two existing storage tanks with one tank |
| | ENGINEER: | Donnell & Allred, Inc.; Worland, WY |
| | CONTRACTOR: | EAI, West; Loveland CO |
| | YEAR COMPLETED: | 2011 |
| | SESSION LAW YEAR: | 2009 |
| **24.** | **PROJECT:** | **Basin Water Supply** |
| | SPONSOR: | Town of Basin |
| | LOCATION: | Big Horn County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,750,000 |
| | ACTUAL EXPENDITURES: | $1,152,204 |
| | DESCRIPTION: | Pipeline, reservoirs |
| | ENGINEER: | Civil Engineering Professionals, Inc.; Casper, WY |
| | CONTRACTOR: | Larry's Inc.; Gillette, WY |
| | YEAR COMPLETED: | 1987 |
| | SESSION LAW YEAR: | 1984 |

**25.** **PROJECT:** **Bear River/Evanston Regional Pipeline**
SPONSOR: Bear River Regional Joint Powers Board
LOCATION: Uinta County
PROGRAM: New Development
APPROPRIATION: $3,699,070
ACTUAL EXPENDITURES: $3,699,070
DESCRIPTION: 25 mile regional pipeline, storage tank, inter-connect and meter building, booster pump station
ENGINEER: Sunrise Engineering; Afton, WY
CONTRACTOR: Allied Construction; Corrine, UT
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2006

**26.** **PROJECT:** **Bedford Water Supply**
SPONSOR: Bedford Water and Sewer District
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $1,300,000
ACTUAL EXPENDITURES: $1,151,230
DESCRIPTION: Springs, well, pipeline
ENGINEER: Forsgren Associates, Inc.; Evanston, WY
CONTRACTOR: Snyder Construction, Inc.; Evanston, WY
YEAR COMPLETED: 1989
SESSION LAW YEAR: 1988, 1989

**27.** **PROJECT:** **Bedford Water Tank**
SPONSOR: Bedford Water & Sewer District
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $835,000
ACTUAL EXPENDITURES: $652,891
DESCRIPTION: 500,000 gallon Storage Tank
ENGINEER: Forsgren Associates, Inc.; Evanston, WY
CONTRACTOR: Engineering America, Inc. dba EAI West; Loveland, CO
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2004, 2007

**28.** **PROJECT:** **Big Horn Basin Rural Water Supply**
SPONSOR: Northwest Rural Water District
LOCATION: Park and Big Horn Counties
PROGRAM: New Development
APPROPRIATION: $11,410,000
ACTUAL EXPENDITURES: $11,410,000
DESCRIPTION: Rural domestic water supply for rural Park and Big Horn Counties residents
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Several
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1991, 1995, 1996, 1997

**29. PROJECT:** **Big Horn Canal Improvements**

| | |
|---|---|
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Washakie and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $693,000 |
| ACTUAL EXPENDITURES: | $485,420 |
| DESCRIPTION: | Elk Creek Siphon |
| ENGINEER: | Natural Resources Conservation Service<br>Donnell & Allred, Inc.; Worland, WY |
| CONTRACTOR: | Big Horn Redi-Mix; Greybull, WY |
| YEAR COMPLETED: | 1998 |
| SESSION LAW YEAR: | 1995 |

**30. PROJECT:** **Big Horn Canal Lining**

| | |
|---|---|
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Washakie and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $500,000 |
| ACTUAL EXPENDITURES: | $500,000 |
| DESCRIPTION: | Replacement of existing concrete canal lining |
| ENGINEER: | Engineering Associates; Cody, WY |
| CONTRACTOR: | EHC, LLC; Deaver, WY |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2008 |

**31. PROJECT:** **Big Horn Canal Rehabilitation 2009**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Big Horn and Washakie Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,180,000 |
| ACTUAL EXPENDITURES: | $ 948,866 |
| DESCRIPTION: | Replace diversion and drop structures |
| ENGINEER: | Big Horn Engineering; Harrison, AR |
| CONTRACTOR: | CC&G; Lander WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009, 2010 |

**32. PROJECT:** **Big Horn Canal Rehabilitation 2012**

| | |
|---|---|
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Big Horn and Park Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,440,000 |
| ACTUAL EXPENDITURES: | $1,324,060 |
| DESCRIPTION: | Replace check-drop structure |
| ENGINEER: | Sage Civil Engineering; Cody, WY |
| CONTRACTOR: | Big Horn Canal Irrigation District; Basin, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2012 |

**33.** **PROJECT:** **Big Horn Canal Underway**

| | |
|---|---|
| SPONSOR: | Big Horn Regional Joint Powers Board |
| LOCATION: | Big Horn and Washakie Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $175,000 |
| | $ 30,150* |
| ACTUAL EXPENDITURES: | $141,556* |
| DESCRIPTION: | Replace underway in Big Horn Canal |
| ENGINEER: | Sage Civil Engineering; Cody, WY |
| CONTRACTOR: | Dale Weaver Wyoming, LLC; Powell, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2015 |

*$30,150 grant from Sponsor's Contingency Fund, Account II, 2017 with $24,306 expended

**34.** **PROJECT:** **Big Horn Canal Wasteway Rehabilitation 2019**

| | |
|---|---|
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Washakie and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $960,000 |
| ACTUAL EXPENDITURES: | $872,691 |
| DESCRIPTION: | Replacement of check wasteway structure |
| ENGINEER: | Sage Civil Engineering; Cody, WY |
| CONTRACTOR: | Wilson Brothers Construction; Cowley, WY |
| YEAR COMPLETED: | 2020 |
| SESSION LAW YEAR: | 2019 |

**35.** **PROJECT:** **Big Horn Regional Joint Powers Board Pipeline**

| | |
|---|---|
| SPONSOR: | Big Horn Regional Joint Powers Board |
| LOCATION: | Big Horn, Washakie, Hot Springs Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $23,838,600 |
| ACTUAL EXPENDITURES: | $23,105,228 |
| DESCRIPTION: | Regional transmission pipeline. |
| ENGINEER: | HKM Engineering; Sheridan, WY |
| | John Donnell - Water Rights Contractor; Worland, WY |
| | Engineering Associates; Cody, WY |
| CONTRACTOR: | Lamax Construction; Basin, WY |
| | COP Construction; Sheridan, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2002, 2004, 2007, 2012 |

**36.** **PROJECT:** **Big Horn Regional Well Connection**

| | |
|---|---|
| SPONSOR: | Big Horn Regional Joint Powers Board (BHRJPB) |
| LOCATION: | Big Horn, Hot Springs and Washakie Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $4,730,200 |
| ACTUAL EXPENDITURES: | $4,730,200 |
| DESCRIPTION: | Water Supply |
| ENGINEER: | Dowl |
| CONTRACTOR: | Mountain View Building |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2015 |

**37. PROJECT:** **Big Horn Spillway Improvement**

| | |
|---|---|
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Washakie County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $120,000 |
| ACTUAL EXPENDITURES: | $120,000 |
| DESCRIPTION: | Crooked S Wasteway |
| ENGINEER: | Soil Conservation Service; Worland, WY |
| CONTRACTOR: | Big Horn Redi-Mix; Greybull, WY |
| YEAR COMPLETED: | 1995 |
| SESSION LAW YEAR: | 1993 |

**38. PROJECT:** **Big Piney Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Big Piney |
| LOCATION: | Sublette County |
| PROGRAM: | New Development |
| APPROPRIATION: | $410,000 |
| ACTUAL EXPENDITURES: | $265,784 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Jorgensen Engineering; Jackson, WY |
| CONTRACTOR: | Eiden's Construction; Marbleton, WY |
| YEAR COMPLETED: | 1998 |
| SESSION LAW YEAR: | 1995 |

**39. PROJECT:** **Big Piney Water Supply Project**

| | |
|---|---|
| SPONSOR: | Town of Big Piney |
| LOCATION: | Sublette County |
| PROGRAM: | New Development |
| APPROPRIATION: | $512,500 |
| ACTUAL EXPENDITURES: | $492,866 |
| DESCRIPTION: | Storage tank, transmission pipeline, metering station |
| ENGINEER: | Rendezvous, Engineering; Jackson, WY |
| CONTRACTOR: | Transmission line – Rice-Kilroy Construction; Dubois, WY<br>Storage tank – Caldwell Tanks, Inc.; Louisville, KY<br>Controls – PFIX Controls; Alabaster, AL<br>Meter Building – Moose Valley Construction; Big Piney, WY |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2003, 2005 |

**40. PROJECT:** **Bluff/Upper Bluff System Improvements 2019**

| | |
|---|---|
| SPONSOR: | Bluff/Upper Bluff Irrigation District |
| LOCATION: | Washakie Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $291,000 |
| ACTUAL EXPENDITURES: | $212,526.26 |
| DESCRIPTION: | replacement of two aging pumps in Pumping Plant No. 1 |
| ENGINEER: | Western Heritage Consulting, Casper, WY |
| CONTRACTOR: | Copper Mountain Irrigation; Worland, WY |
| YEAR COMPLETED: | 2021 |
| SESSION LAW YEAR: | 2019 |

**41.** **PROJECT:** **Boulder Irrigation District**

| | |
|---|---|
| SPONSOR: | Boulder Irrigation District Board |
| LOCATION: | Sublette County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $42,815 |
| ACTUAL EXPENDITURES: | $52,815 |
| DESCRIPTION: | Repairs to diversion structure |
| ENGINEER: | NA |
| CONTRACTOR: | NA |
| YEAR COMPLETED: | 1988 |
| SESSION LAW YEAR: | 1987 |

**42.** **PROJECT:** **Bridger Valley Big Hill Transmission Line**

| | |
|---|---|
| SPONSOR: | Bridger Valley Joint Powers Board |
| LOCATION: | Uinta County |
| PROGRAM: | New Development |
| APPROPRIATION: | $67,600 |
| ACTUAL EXPENDITURES: | $67,600 |
| DESCRIPTION: | To extend a transmission line to serve Big Hill. |
| ENGINEER: | Uinta Engineering & Surveying, Inc.; Evanston, WY |
| CONTRACTOR: | SCI, Inc.; Lyman WY |
| YEAR COMPLETED: | 2007 |
| SESSION LAW YEAR: | 2005 |

**43.** **PROJECT:** **Bridger Valley Intake Structure Rehabilitation**

| | |
|---|---|
| SPONSOR**:** | Bridger Valley Joint Powers Board |
| LOCATION: | Uinta County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $505,000 |
| ACTUAL EXPENDITURES: | $505,000 |
| DESCRIPTION: | Diversion/intake structure, raw water transmission line, 0.5 MG finished water storage tank |
| ENGINEER: | Uinta Engineering & Surveying, Inc. |
| CONTRACTOR: | Intake/diversion structure – X-It Const.; Lyman, WY<br>Transmission line – SCI, Inc.; Lyman, WY |
| YEAR COMPLETED: | Intake/diversion structure – 2003<br>Transmission line – 2003<br>Storage tank - 2004 |
| SESSION YEAR LAW: | 2001 and 2002 |

**44.** **PROJECT:** **Bridger Valley Pipeline**

| | |
|---|---|
| SPONSOR: | Bridger Valley Joint Powers Board |
| LOCATION: | Uinta County |
| PROGRAM: | New Development |
| APPROPRIATION: | $625,000 |
| ACTUAL EXPENDITURES: | $577,466 |
| DESCRIPTION: | Transmission line |
| ENGINEER: | Uinta Engineering & Surveying; Evanston, WY |
| CONTRACTOR: | Snyder Construction; Lyman, WY |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1991 |

**45.** **PROJECT:** **Brooks Hat Six Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Evansville |
| LOCATION: | Natrona County |
| PROGRAM: | New Development |
| APPROPRIATION: | $150,000 |
| ACTUAL EXPENDITURES: | $150,000 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Hibsman Associates; Casper, WY |
| CONTRACTOR: | Hedquist Construction; Casper, WY |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR | 1993 |

**46.** **PROJECT:** **Buffalo Bill Dam and Reservoir**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| LOCATION: | Park County |
| PROGRAM: | New Development |
| APPROPRIATION: | $52,000,000 |
| ACTUAL EXPENDITURES: | $52,000,000 |
| DESCRIPTION: | Dam enlargement and power facilities |
| ENGINEER: | Bureau of Reclamation; Cody, WY |
| CONTRACTOR: | ASI Moltz; Cody, WY |
| YEAR COMPLETED: | 1993 |
| SESSION LAW YEAR: | 1982, 1989 |

**47.** **PROJECT:** **Buffalo Hydropower**

| | |
|---|---|
| SPONSOR: | Town of Buffalo |
| LOCATION: | Johnson County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,075,000 |
| ACTUAL EXPENDITURES: | $1,045,033 |
| DESCRIPTION: | Installation of a hydropower unit |
| ENGINEER: | States West Water Resources; Cheyenne, WY |
| CONTRACTOR: | Sulzer Canada; Ontario, Canada<br>Larry's Inc.; Gillette, WY<br>ASI Moltz; Cody, WY |
| YEAR COMPLETED: | 2001 |
| SESSION LAW YEAR: | 1992, 1996 |

**48.** **PROJECT:** **Buffalo Main Street Pipeline**

| | |
|---|---|
| SPONSOR: | City of Buffalo |
| LOCATION: | Johnson |
| PROGRAM: | New Development |
| APPROPRIATION: | $154,100 |
| ACTUAL EXPENDITURES: | $154,100 |
| DESCRIPTION: | Main Street transmission pipeline |
| ENGINEER: | WWC Engineering, Sheridan, WY |
| CONTRACTOR: | Barnum Construction, Buffalo, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2016 |

**49.** **PROJECT:** **Buffalo Municipal Reservoir**
SPONSOR: Town of Buffalo
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: $13,600,000
ACTUAL EXPENDITURES: $13,232,084
DESCRIPTION: Construction of a municipal water supply reservoir
ENGINEER: States West Water Resources; Cheyenne, WY
CONTRACTOR: ASI Moltz; Cody, WY
Lamax Construction, Inc.; Basin, WY
Bartlett Construction; Hanna, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1992, 1996, 1997

**50.** **PROJECT:** **Buffalo Northwest Pipeline**
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: $4,009,000
ACTUAL EXPENDITURES: $3,531,998
DESCRIPTION: Transmission Pipeline Construction
ENGINEER: CPG Engineering; Buffalo, WY
CONTRACTOR: North Star Energy and Construction; Buffalo, WY
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2012, 2013

**51.** **PROJECT:** **Buffalo Pipeline**
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: $1,182,000
ACTUAL EXPENDITURES: $ 983,132
DESCRIPTION: New transmission line from treatment plant to City
ENGINEER: Wenck Associates, Inc.; Cheyenne, WY
CONTRACTOR: Barnum Construction Services; Buffalo, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2010

**52.** **PROJECT:** **Buffalo Raw Water Supply**
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: $270,000
ACTUAL EXPENDITURES: $270,000
DESCRIPTION: Diversion facilities, pipeline
ENGINEER: R.G. Stuckert & Associates; Buffalo, WY
CONTRACTOR: Venture Construction; Worland, WY
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1986

**53.** **PROJECT:** **Buffalo South Loop Pipeline**
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: $775,000
ACTUAL EXPENDITURES: $556,962
DESCRIPTION: Transmission Pipeline Construction
ENGINEER: Nelson Engineering; Buffalo, WY
CONTRACTOR: Mountain View Builders; Sheridan, WY
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2013

**54.** **PROJECT:** **Buffalo Tank Valve**
SPONSOR: City of Buffalo
LOCATION: Johnson
PROGRAM: New Development
APPROPRIATION: $117,250
ACTUAL EXPENDITURES: $117,250
DESCRIPTION: Water level control valve for the Buffalo South Tank
ENGINEER: WWC Engineering, Sheridan, WY
CONTRACTOR: Barnum Construction, Buffalo, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2016

**55.** **PROJECT:** **Buffalo Valley Water Supply**
SPONSOR: Buffalo Valley Water District
LOCATION: Teton County
PROGRAM: New Development
APPROPRIATION: $475,000
ACTUAL EXPENDITURES: $454,711
DESCRIPTION: 80,000 gallon storage tank, well pump installation, chlorination facilities, valving, telemetry and transmission line
ENGINEER: Rendezvous, Engineering; Jackson, WY
CONTRACTOR: Tucker Excavation; Moran, WY
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2001 and 2005

**56.** **PROJECT:** **Buffalo Water Storage Tank**
SPONSOR: Town of Buffalo
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: 2003: $2,152,500
2005: $ 550,000
2006: $ 576,870
TOTAL: $3,279,370
ACTUAL EXPENDITURES: $2,938,260
DESCRIPTION: Storage tank and transmission pipelines
ENGINEER: States West; Cheyenne, WY
CONTRACTOR: Storage Tank: Reiman Corporation; Cheyenne, WY
Pipeline: Western Municipal Construction; Sheridan, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2003, 2005, 2006

**57.** **PROJECT:** **Buffalo Water Supply**
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: Rehabilitation
APPROPRIATION: $1,000,000
ACTUAL EXPENDITURES: $1,000,000
DESCRIPTION: Diversion dam, pipeline
ENGINEER: Grizzly Engineering, Inc.; Buffalo, WY
CONTRACTOR: Fletcher Construction; Sheridan, WY
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1984

**58.** **PROJECT:** **Burlington Water Supply**
SPONSOR: Town of Burlington
LOCATION: Big Horn County
PROGRAM: New Development
APPROPRIATION: $360,000
ACTUAL EXPENDITURES: $316,957
DESCRIPTION: Transmission Pipeline and Well Pumps
ENGINEER: MSE-HKM, Inc.; Sheridan, WY
CONTRACTOR: Brandon Construction, Inc.; Powell, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1996

**59.** **PROJECT:** **Burns Storage Tank**
SPONSOR: Town of Burns
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $930,000
ACTUAL EXPENDITURES: $889,581
DESCRIPTION: New storage tank and necessary system connections
ENGINEER: Lidstone & Associates, Ft. Collins, CO
CONTRACTOR: Caldwell Tanks Inc., Louisville, KY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2010

**60.** **PROJECT:** **Burns Well Connection**
SPONSOR: Town of Burns
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $1,214,000
ACTUAL EXPENDITURES: $ 897,925
DESCRIPTION: Design and construction of a transmission pipeline.
ENGINEER: Lidstone and Associates, Inc., Fort Collins, CO
CONTRACTOR: Aztec Construction, Cheyenne, WY
YEAR COMPLETED: 2017
SESSION LAW YEAR: 2013

**61.** **PROJECT:** **Byron Raw Water Supply**
SPONSOR: Town of Byron
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $1,561,000
ACTUAL EXPENDITURES: $ 170,214
DESCRIPTION: Design to replace ditch system with pipe
ENGINEER: Engineering Associates, Inc.; Cody, WY
CONTRACTOR: Never constructed
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2003, 2004, 2008, 2010

**62.** **PROJECT:** **Cambria Tank**
SPONSOR: Cambria Improvement and Service District
LOCATION: Weston County
PROGRAM: New Development
APPROPRIATION: $626,450
ACTUAL EXPENDITURES: $600,340
DESCRIPTION: Transmission Pipeline and Tank
ENGINEER: Camp Creek Engineering; Laramie, WY
CONTRACTOR: JR Civil; Sheridan, WY
YEAR COMPLETED: 2020
SESSION LAW YEAR: 2015

**63.** **PROJECT:** **Canyon Water Supply**
SPONSOR: Canyon Improvement & Service District
LOCATION: Weston County
PROGRAM: New Development
APPROPRIATION: $1,457,600
ACTUAL EXPENDITURES: $ 642,915
DESCRIPTION: Well, storage tank, and transmission pipeline
ENGINEER: Stetson Engineering, Inc.; Gillette, WY
CONTRACTOR: Site Work Specialists, Inc.; Rapid City, SD
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2005, 2006, 2007

**64.** **PROJECT:** **Carpenter Water Supply**
SPONSOR: Carpenter Water and Sewer District
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $360,000
ACTUAL EXPENDITURES: $328,620
DESCRIPTION: Wells, pumps, controls, disinfection, storage, pipeline
ENGINEER: States West Water Resources Corporation; Cheyenne, WY
CONTRACTOR: Town & Country Plumbing, Inc.; Burns, WY
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1997

**65.** **PROJECT:** **Casper Alcova**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $1,263,000
ACTUAL EXPENDITURES: $1,231,925
DESCRIPTION: Canal lining
ENGINEER: Soil Conservation Service
CONTRACTOR: LaMax Construction; Basin, WY
Central Contractors; Mills, WY
Jerry's Irrigation; Powell, WY
Hedquist Construction; Casper, WY
71 Construction, Casper; WY
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1985

**66.** **PROJECT:** **Casper Alcova Ditch Rehabilitation**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $1,174,800
ACTUAL EXPENDITURES: $ 742,261
DESCRIPTION: Pipe laterals 256-680&681, 128-170, pipe drop 239
ENGINEER: Natural Resources Conservation Service; Casper, WY
Inberg-Miller Engineers, Inc.; Casper, WY
Worthington, Lenhart, and Carpenter, Inc.; Casper, WY
CONTRACTOR: Casper Alcova Irrigation District
Pioneer Irrigation Co.; Casper, WY
Lanphier, Inc.; Lingle, WY
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2004, 2005, 2006

**67.** **PROJECT:** **Casper Alcova Rehabilitation 2009**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $184,920
ACTUAL EXPENDITURES: $ 83,855
DESCRIPTION: Rehabilitate four Lateral 256 drop structures
ENGINEER: WLC Engineering; Casper, WY
CONTRACTOR: Lindstat Construction; Riverton, WY
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2009

**68.** **PROJECT:** **Casper Alcova Rehabilitation 2010**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $477,040
ACTUAL EXPENDITURES: $473,548
DESCRIPTION: Pipe Lateral 210 and 210-250

ENGINEER: WLC Engineering, Surveying, & Planning; Casper, WY
CONTRACTOR: Grizzly Excavation & Construction; Casper, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2010

**69. PROJECT: Casper Alcova Rehabilitation 2015**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $187,600
ACTUAL EXPENDITURES: $70,607
DESCRIPTION: Converting segment of ditch to buried pipe
ENGINEER: WLC, Engineering; Casper, WY
CONTRACTOR: Ferguson Enterprises, Inc.; Casper, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2015

**70. PROJECT: Casper Alcova Rehabilitation 2016**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona Counties
PROGRAM: Rehabilitation
APPROPRIATION: $369,840
ACTUAL EXPENDITURES: $149,380.90
DESCRIPTION: Replacement of two underdrain structures
ENGINEER: WLC Engineering and Survey; Casper, WY
CONTRACTOR: Andreen Hunt Construction; Mills, WY
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2016

**71. PROJECT: Casper Alcova Tunnel Rehabilitation**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $170,000
ACTUAL EXPENDITURES: $ 85,000
DESCRIPTION: Repair concrete cracks, Tunnels 3 & 4 Casper Canal
ENGINEER: Inberg-Miller Engineers, Inc.; Casper, WY
CONTRACTOR: Cook's Fabrication, Mills; WY
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2003

**72. PROJECT: Casper Effluent Water Supply**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $600,000
ACTUAL EXPENDITURES: NONE – Project terminated by Sponsor prior to design.
DESCRIPTION: Irrigation project for the North Casper Recreation Complex utilizing wastewater treatment plant effluent.
ENGINEER: N.A.
CONTRACTOR: N.A.
YEAR COMPLETED: N.A.
SESSION LAW YEAR: 2000

**73.** **PROJECT:** **Casper Paradise Valley Pipeline**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,139,000
ACTUAL EXPENDITURES: $ 595,994
DESCRIPTION: Construction of 16-inch pipeline and appurtenances in Paradise Drive from CY Avenue to a pipeline on the north side of the North Platte River.
ENGINEER: WWC Engineering; Casper, WY
CONTRACTOR: Andreen Hunt Construction; Casper, WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2009

**74.** **PROJECT:** **Casper Poplar Transmission Pipeline**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,541,000
ACTUAL EXPENDITURES: $1,026,949
DESCRIPTION: Design and construction of a transmission pipeline.
ENGINEER: Civil Engineering Professionals, Inc.
CONTRACTOR: Hedquist Construction, Inc.
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2012

**75.** **PROJECT:** **Casper Raw Water Irrigation Supply Project**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $452,500
ACTUAL EXPENDITURES: $435,811
DESCRIPTION: Raw water supply system from the North Platte River to irrigate soccer fields.
ENGINEER: CEPI, Inc.; Casper; WY
CONTRACTOR: 71 Construction; Casper, WY
YEAR COMPLETED: 2007
SESSION LAW YEAR: 2004

**76.** **PROJECT:** **Casper Raw Water Supply**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $1,600,000
ACTUAL EXPENDITURES: $1,117,314
DESCRIPTION: Diversion structure, dam rehabilitation, pipeline
ENGINEER: Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR: Lamax Construction, Inc.; Basin, WY
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1989

**77.** **PROJECT:** **Casper Raw Water Supply II**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $487,559
ACTUAL EXPENDITURES: $487,559
DESCRIPTION: Design and construction of a transmission pipeline.
ENGINEER: WWC Engineering
CONTRACTOR: High Plains Construction, Inc.
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2013

**78.** **PROJECT:** **Casper Rock Creek Dam Rehabilitation**
SPONSOR: City of Casper
LOCATION: Fremont County (Project), Natrona County (Beneficiary)
PROGRAM: Rehabilitation
APPROPRIATION: $834,150
ACTUAL EXPENDITURES: $834,150
DESCRIPTION: Outlet works, spillway rehab, SCADA and electrical
ENGINEER: Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR: Rice-Kilroy Construction, Inc.; Dubois, WY
Automation and Electronics, Inc.; Casper, WY
Rocky Mountain Line Systems, Inc.; Mills, WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2008

**79.** **PROJECT:** **Casper Zone II**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Construction
APPROPRIATION: $3,188,000
ACTUAL EXPENDITURES: $1,366,401
DESCRIPTION: This project was constructed in two phases. The first phase consisted of a transmission pipeline that was installed as part of the 21st street extension. The second phase was the construction of the remainder of the transmission pipeline and water storage tank east of Casper.
ENGINEER: Civil Engineering Professionals, Inc.
CONTRACTORS: JTL Group; Cheyenne, WY
Hedquist Construction, Inc.; Casper, WY
YEAR COMPLETED: 2007
SESSION LAW YEAR: 2002

**80.** **PROJECT:** **Casper Zone II – Phase II**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,300,000
ACTUAL EXPENDITURES: $1,150,292
DESCRIPTION: Construction of a transmission pipeline, storage tank and SCADA controls in the city's Zone II pressure zone.

ENGINEER: Civil Engineering Professionals, Inc.
CONTRACTOR: Andreen Hunt Construction, Inc.; Casper, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005

**81. PROJECT: Casper Zone III**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Construction
APPROPRIATION: $3,200,000
ACTUAL EXPENDITURES: $1,873,848
DESCRIPTION: Design and construction of transmission pipelines, a booster pump station and a storage tank.
ENGINEER: Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR: High Plains Construction, Inc.; Casper, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2007

**82. PROJECT: Casper Zone 3 Improvements**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $3,685,000
ACTUAL EXPENDITURES: $2,879,622
DESCRIPTION: Transmission pipeline, pumping facilities, and storage tank
ENGINEER: Civil Engineering Professionals Inc.; Casper, WY
CONTRACTOR: Andreen Hunt Construction, Inc.; Casper, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2014/19

**83. PROJECT: Casper Zone IV Improvements**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $663,300
ACTUAL EXPENDITURES: $475,538
DESCRIPTION: Increased the wall height of the existing 400,000 gallon welded steel water storage tank sixteen feet and construction of approximately 1,300 feet of 12-inch pipe.
ENGINEER: 609 Consulting, LLC; Casper WY
CONTRACTOR: High Plains Construction, Inc.; Mills, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2010

**84. PROJECT: Centennial Water Supply**
SPONSOR: Centennial Water and Sewer District
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $315,000
ACTUAL EXPENDITURES: $315,000
DESCRIPTION: Wells, pumps, pipeline, storage

ENGINEER: J.M. Montgomery; Laramie, WY
CONTRACTOR: Pete's Excavating; Torrington, WY
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1990

**85. PROJECT: Centennial Water Supply**
SPONSOR: Centennial Water and Sewer District
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $110,000
ACTUAL EXPENDITURES: $110,000
DESCRIPTION: Buried concrete water storage tank
ENGINEER: Wester-Wetstein & Associates, Inc.; Laramie, WY
CONTRACTOR: Timberline Excavating, LLC; Laramie, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1999

**86. PROJECT: Central Wyoming Regional Elevated Tank**
SPONSOR: Central Wyoming Regional Water System JPB
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $1,648,200
ACTUAL EXPENDITURES: $1,648,200
DESCRIPTION: New 1,000,000-gallon elevated water tank
ENGINEER: 609 Engineering, Casper, WY
CONTRACTOR: Landmark Tanks, Fort Worth, TX
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2014

**87. PROJECT: Central Wyoming Regional Zone II B**
SPONSOR: Central Wyoming Regional Water System JPB
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,959,750
ACTUAL EXPENDITURES: $1,340,599
DESCRIPTION: Design and construction of a pump station and transmission pipeline.
ENGINEER: Civil Engineering Professionals, Inc.
CONTRACTOR: High Plains Construction Inc.
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2011

**88. PROJECT: Chamberlain Reservoir**
SPONSOR: LaPrele Irrigation District
LOCATION: Converse County
PROGRAM: Rehabilitation
APPROPRIATION: $150,000
ACTUAL EXPENDITURES: $117,241
DESCRIPTION: Dam rehabilitation
ENGINEER: Western Water Consultants; Laramie, WY
CONTRACTOR: Domino Construction; Laramie, WY
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1991

**89.** **PROJECT:** **Cheyenne's Granite Dam Spillway Improvements**
SPONSOR: City of Cheyenne Board of Public Utilities
LOCATION: Laramie County
PROGRAM: Rehabilitation
APPROPRIATION: $670,000
ACTUAL EXPENDITURES: $473,730
DESCRIPTION: Concrete spillway rehabilitation
ENGINEER: States West Water Resources; Cheyenne, WY
CONTRACTOR: Domson Incorporated; Torrington, WY
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2008

**90.** **PROJECT:** **Cheyenne King II Storage Facility**
SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $1,534,000
ACTUAL EXPENDITURES: $1,510,000
DESCRIPTION: 15 MG storage facility
ENGINEER: Black & Veatch; Denver, CO
CONTRACTOR: TIC; Casper, WY
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1993

**91.** **PROJECT:** **Cheyenne R. L. Sherard Water Treatment Plant**
SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: Public Purpose Investment
APPROPRIATION: $28,000,000 (permanent mineral trust fund loan)
ACTUAL EXPENDITURES: $28,000,000
DESCRIPTION: Construction of a new water treatment plant
ENGINEER: Brown and Caldwell, Denver, Colorado
CONTRACTOR: Danis Environmental Industries, Inc., Ohio
YEAR COMPLETED: 2003
SESSION LAW YEAR: 1998

**92.** **PROJECT:** **Cheyenne Raw Water Supply**
SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: Rehabilitation
APPROPRIATION: $1,800,000
ACTUAL EXPENDITURES: $1,800,000
DESCRIPTION: Irrigation of park lands
ENGINEER: States West Water Resources Corporation; Cheyenne, WY
CONTRACTOR: Excel Construction; Sheridan, WY
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1997

**93.** **PROJECT:** **Cheyenne Raw Water Supply #2**
SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $5,000,000

ACTUAL EXPENDITURES: $4,992,769
DESCRIPTION: Transmission lines from the Crow Creek Wastewater plant to cemeteries. East High fields, VA center grounds, parkways, softball fields, and golf courses.
ENGINEER: States West Water Resources Corp.; Cheyenne, WY
CONTRACTOR: Mechanical Systems Inc.; Cheyenne WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2003

**94. PROJECT: Cheyenne South Crow Dam Water Supply Rehabilitation Project**

SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: Rehabilitation
APPROPRIATION: $750,000
ACTUAL EXPENDITURES: $554,807
DESCRIPTION: Rehabilitation to existing dam and controls.
ENGINEER: States West Water Resources Corporation; Cheyenne, WY
CONTRACTOR: Moltz Constructors, Inc.; Cody, WY
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2001, 2002

**95. PROJECT: Cheyenne Southern Pipeline**

SPONSOR: City of Cheyenne – Board of Public Utilities
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $18,291,000
ACTUAL EXPENDITURES: $16,467,137
DESCRIPTION: Transmission
ENGINEER: Burns and McDonell
CONTRACTOR: Garney Construction
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2015

**96. PROJECT: Cheyenne Southern Pipeline-Phase III**

SPONSOR: City of Cheyenne – Board of Public Utilities
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $10,720,000
ACTUAL EXPENDITURES: $ 7,883,333
DESCRIPTION: Transmission pipeline
ENGINEER: DOWL, Laramie, WY
CONTRACTOR: Mountain View Builders, Sheridan, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2014/2016

**97. PROJECT: Cheyenne Stage I Rehabilitation**

SPONSOR: City of Cheyenne
LOCATION: Carbon and Albany Counties
PROGRAM: Rehabilitation
APPROPRIATION: $13,700,000
ACTUAL EXPENDITURES: $12,126,939

DESCRIPTION: Slip lining existing collection pipe and transmission line improvements
ENGINEER: CH2M Hill; Denver, CO
CONTRACTOR: Barcon Wyoming; Sheridan, WY
YEAR COMPLETED; 1999
SESSION LAW YEAR: 1993, 1995, 1996

**98. PROJECT: Cheyenne Supply Pipeline**
SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $14,000,000
ACTUAL EXPENDITURES: $14,000,000
DESCRIPTION: Parallel raw water transmission line from Crystal Dam to Sherard Water Treatment Plant
ENGINEER: Black and Veatch; Aurora, CO
CONTRACTOR: TCI Wyoming, Inc.; Casper, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2000, 2003, 2005

**99. PROJECT: Cheyenne Upper North Crow Reservoir**
SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: Rehabilitation
APPROPRIATION: $3,500,000
ACTUAL EXPENDITURES: $3,070,448
DESCRIPTION: Dam rehabilitation
ENGINEER: States West Water Resources Corporation; Cheyenne, WY
CONTRACTOR: Larry's Inc.; Gillette, WY
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1991

**100. PROJECT: Cheyenne Water (Stage II)**
SPONSOR: City of Cheyenne
LOCATION: Carbon County
PROGRAM: New Development
APPROPRIATION: $20,000,000
ACTUAL EXPENDITURES: $20,000,000
DESCRIPTION: Dams (2), collector pipeline
ENGINEER: Banner Associates, Inc.; Laramie, WY
CONTRACTOR: Several
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1980

**101. PROJECT: Cheyenne Water (Stage II)**
SPONSOR: City of Cheyenne
LOCATION: Carbon County
PROGRAM: Public Purpose Investment
APPROPRIATION: $40,000,000 (permanent mineral trust fund loan)
ACTUAL EXPENDITURES: $40,000,000
DESCRIPTION: Little Snake River collection system, enlargement or Hog Park reservoir, pipeline from Hog Park to Encampment

ENGINEER: Banner Associates, Inc.; Laramie, WY
CONTRACTOR: Johnson Brothers; Litchfield, MN
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1980

**102. PROJECT: Cheyenne Well Rehabilitation**
SPONSOR: City of Cheyenne
LOCATION: Laramie County
PROGRAM: Rehabilitation
APPROPRIATION: $1,450,000
ACTUAL EXPENDITURES: $1,450,000
DESCRIPTION: Replace 15 wells in the municipal well field
ENGINEER: Bearlodge Ltd.; Sundance, WY
Wester-Wetstein & Associates; Laramie, WY
Weston Engineering, Inc.; Laramie, WY
CONTRACTOR: Sargent Irrigation; Scottsbluff, NE
D.C. Drilling Co.; Lusk, WY
Weston Engineering, Inc.; Upton, WY
Magee Trucking; Cheyenne, WY
Ward's Well Service; Riverton, WY
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1988 and 1993

**103. PROJECT: Chugwater Water Supply**
SPONSOR: Town of Chugwater
LOCATION: Platte County
PROGRAM: Rehabilitation
APPROPRIATION: $103,500
ACTUAL EXPENDITURES: $101,818
DESCRIPTION: Pipeline
ENGINEER: States West Water Resources Corporation; Cheyenne, WY
CONTRACTOR: 71 Construction; Casper, WY
DATE COMPLETED: 1998
SESSION LAW DATE: 1997

**104. PROJECT: Chugwater Water Supply**
SPONSOR: Town of Chugwater
LOCATION: Platte County
PROGRAM: New Development
APPROPRIATION: $1,341,800
ACTUAL EXPENDITURES: $1,302,436
DESCRIPTION: Two wells, new concrete storage tank, rehabilitation of the old concrete storage tank, pipelines
ENGINEER: States West Water Resources Corporation; Cheyenne, WY
CONTRACTOR: Three Sons; Hanna; WY
Sargent Irrigation Co., Inc.; Scottsbluff, NE
Richardson Construction; Cheyenne, WY
D.C. Drilling, Inc.; Lusk, WY
Kelly-Deines Irrigation, Inc.; Gering, NE
DATE COMPLETED: 2007
SESSION LAW DATE: 1999, 2003, 2005, 2006

**105. PROJECT:** **Clearview Water Supply**

| | |
|---|---|
| SPONSOR: | Clearview Improvement and Service District |
| LOCATION: | Sweetwater County |
| PROGRAM: | New Development |
| APPROPRIATION: | $245,000 |
| ACTUAL EXPENDITURES: | $167,500 |
| DESCRIPTION: | Pipeline |
| ENGINEER: | Johnson-Fermelia Company, Inc.; Rock Springs, WY |
| CONTRACTOR: | Lamax Construction; Basin, WY |
| YEAR COMPLETED: | 1990 |
| SESSION LAW YEAR: | 1989 |

**106. PROJECT:** **Cody Area Water Supply (Valley View)**

| | |
|---|---|
| SPONSOR: | City of Cody |
| LOCATION: | Park County |
| PROGRAM: | New Development |
| APPROPRIATION: | $785,000 |
| ACTUAL EXPENDITURES: | $785,000 |
| DESCRIPTION: | Potable water service to Valley View |
| ENGINEER: | Engineering Associates; Cody, WY |
| CONTRACTOR: | Harris Trucking**,** Cody; WY |
| YEAR COMPLETED: | 1999 |
| SESSION LAW YEAR: | 1996 |

**107. PROJECT:** **Cody Canal Chute**

| | |
|---|---|
| SPONSOR: | Cody Canal Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $223,000 |
| ACTUAL EXPENDITURES: | $177,654 |
| DESCRIPTION: | Replace Newton Ave Chute with pipe drop |
| ENGINEER: | Sage Civil Engineering, Cody, WY |
| CONTRACTOR: | Patrick Construction, Lander, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2011 |

**108. PROJECT:** **Cody Canal Drop Structure**

| | |
|---|---|
| SPONSOR: | Cody Canal Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $50,000 |
| ACTUAL EXPENDITURES: | $36,959 |
| DESCRIPTION: | Replace Glory Hole Drop Structure |
| ENGINEER: | Sage Civil Engineering, Cody, WY |
| CONTRACTOR: | Cody Canal Irrigation District |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2011 |

**109. PROJECT:** **Cody Canal Rehabilitation**

| | |
|---|---|
| SPONSOR: | Cody Canal Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,375,000 |

ACTUAL EXPENDITURES: $1,161,876
DESCRIPTION: Replace Sulphur Creek Siphon, Spillway, Diamond Creek Flume
ENGINEER: Engineering Associates; Cody WY
CONTRACTOR: Excel Construction; Sheridan, WY
Sletten Construction; Cody, WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2007, 2008

**110. PROJECT: Cody Canal Rehabilitation 2013**
SPONSOR: Cody Canal Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $144,000
ACTUAL EXPENDITURES: $ 41,210
DESCRIPTION: Replace 20th Street pipeline
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Harris Trucking & Construction; Cody, WY
SESSION LAW YEAR: 2013

**111. PROJECT: Cody Raw Water**
SPONSOR: City of Cody
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $850,000
ACTUAL EXPENDITURES: $714,060
DESCRIPTION: Raw Water irrigation system rehabilitation
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Brandon Construction, Inc.; Powell, WY
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1997

**112. PROJECT: Cody West Transmission Pipeline**
SPONSOR: City of Cody
LOCATION: Park County
PROGRAM: New Development
APPROPRIATION: $408,700
ACTUAL EXPENDITURES: $290,323
DESCRIPTION: Replacement and upsizing of transmission main
ENGINEER: GDA Engineers; Cody, WY
CONTRACTOR: Harris Trucking and Construction; Cody, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2012

**113. PROJECT: Cokeville Tri-Diversion Dam**
SPONSOR: Cokeville Watershed Improvement District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $160,000
ACTUAL EXPENDITURES: $ 17,919
DESCRIPTION: Bank realignment, channel stabilization and placement of bank rip rap

| | | |
|---|---|---|
| | ENGINEER: | Rio Verde Engineering; Pinedale, WY |
| | CONTRACTOR: | Noble Construction; Cora, WY |
| | YEAR COMPLETED: | 2000 |
| | SESSION LAW YEAR: | 1996 |
| **114.** | **PROJECT:** | **Cokeville Water Supply** |
| | SPONSOR: | Town of Cokeville |
| | LOCATION: | Lincoln County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $629,000 |
| | ACTUAL EXPENDITURES: | $629,000 |
| | DESCRIPTION: | Wells, pumping station, transmission pipeline and storage tank |
| | ENGINEER: | Forsgren Associates; Evanston, WY |
| | CONTRACTOR: | JASCO, Inc.; Evanston, WY |
| | YEAR COMPLETED: | 1998 |
| | SESSION LAW YEAR: | 1994 |
| **115.** | **PROJECT:** | **Collins Heights Water Supply** |
| | SPONSOR: | Collins Heights Industrial Park I&S District |
| | LOCATION: | Campbell County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $200,000 |
| | ACTUAL EXPENDITURES: | $141,182 |
| | DESCRIPTION: | Transmission pipelines |
| | ENGINEER: | Centennial Engineering and Research; Gillette, WY |
| | CONTRACTOR: | S & S Builders; Gillette, WY |
| | YEAR COMPLETED: | 1996 |
| | SESSION LAW YEAR: | 1994 |
| **116.** | **PROJECT:** | **Cook Road Water Supply** |
| | SPONSOR: | Cook Road Water District |
| | LOCATION: | Campbell County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,700,000 |
| | ACTUAL EXPENDITURES: | $1,373,487 |
| | DESCRIPTION: | New tank and transmission pipelines |
| | ENGINEER: | Stetson Engineering; Gillette, WY |
| | CONTRACTOR: | Larry's Inc.; Gillette, WY |
| | YEAR COMPLETED: | 1996 |
| | SESSION LAW YEAR: | 1994, 1995 |
| **117.** | **PROJECT:** | **Cook Road Well** |
| | SPONSOR: | Cook Road Water District |
| | LOCATION: | Campbell County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,290,000 |
| | ACTUAL EXPENDITURES: | $1,308,779 (additional funds for water quality testing) |
| | DESCRIPTION: | New well, connection piping to existing system and well house improvements |

| | |
|---|---|
| ENGINEER: | Stetson Engineering; Gillette, WY |
| CONTRACTOR: | Black Cat Construction; Gillette, WY<br>Grosch Drilling; Yuma, CO |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2010 |

**118. PROJECT: Cowley Tank 2017**

| | |
|---|---|
| SPONSOR: | Town of Cowley |
| LOCATION: | Big Horn Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $3,155,700 |
| ACTUAL EXPENDITURES: | $2,574,736.03 |
| DESCRIPTION: | Build a new 500K gal elevated storage tank |
| ENGINEER: | Pryor Mountain; Cowley, WY |
| CONTRACTOR: | JR Civil; Billings, MT |
| YEAR COMPLETED: | 2021 |
| SESSION LAW YEAR: | 2017 |

**119. PROJECT: Cowley Transmission Pipeline**

| | |
|---|---|
| SPONSOR: | Town of Cowley |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,920,823 |
| ACTUAL EXPENDITURES: | $1,806,869 |
| DESCRIPTION: | Transmission Pipeline Construction |
| ENGINEER: | Prior Mountain Engineering; Cowley, WY |
| CONTRACTOR: | Mountain View Builders; Sheridan, WY |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2008, 2013 |

**120. PROJECT: Crestview Water Supply**

| | |
|---|---|
| SPONSOR: | Crestview Estates Improvement & Service District |
| LOCATION: | Campbell County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $41,000 |
| ACTUAL EXPENDITURES: | $24,382 |
| DESCRIPTION: | Tie in to Antelope Valley System |
| ENGINEER: | Bruce Engineering; Gillette, WY |
| CONTRACTOR: | EXP Backhoe; Gillette, WY |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 2000 |

**121. PROJECT: Crystal-Granite Dam Rehabilitation**

| | |
|---|---|
| SPONSOR: | City of Cheyenne |
| LOCATION: | Laramie County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $4,100,000 |
| ACTUAL EXPENDITURES: | $4,041,703 |
| DESCRIPTION: | Dams (2) |

ENGINEER: Harza Engineering Company; Denver, CO
CONTRACTOR: Gracon Construction Company; Loveland, CO
YEAR COMPLETED: 1989
SESSION LAW YEAR: 1985, 1989

**122. PROJECT: Dayton Groundwater**
LEVEL: III
SPONSOR: Town of Dayton
LOCATION: Sheridan County
PROGRAM: New Development
APPROPRIATION: $3,000
ACTUAL EXPENDITURES: $2,962
DESCRIPTION: Sale of the well to the town, and purchase of trees for Right of Way Agreement.
ENGINEER: NA
CONTRACTOR: NA
YEAR COMPLETED: 2004
SESSION LAW YEARS: 2004

**123. PROJECT: Dayton Water Supply Rehabilitation**
SPONSOR: Town of Dayton
LOCATION: Sheridan County
PROGRAM: Rehabilitation
APPROPRIATION: $619,200
ACTUAL EXPENDITURES: $619,200
DESCRIPTION: Replacement of a Water Transmission Line from the Water Treatment Plant to town and construction of a booster pump station at the Water Treatment Plant.
ENGINEER: Entech, Inc.
HKM Engineering; Sheridan, WY
CONTRACTOR: Western Municipal; Sheridan, WY
Hofer Building
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2001 and 200

**124. PROJECT: Deaver Canal Rehabilitation**
SPONSOR: Town of Deaver and Deaver Irrigation District
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $120,000
ACTUAL EXPENDITURES: $ 51,786
DESCRIPTION: Canal conversion to pipeline
ENGINEER: Soil Conservation Service; Worland, WY
CONTRACTOR: Deaver Irrigation District
YEAR COMPLETED: 1990
SESSION LAW YEAR: 1989

**125. PROJECT: Deaver Flume Rehabilitation**
SPONSOR: Deaver Irrigation District
LOCATION: Park/Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $210,000
ACTUAL EXPENDITURES: $210,000

DESCRIPTION: Deaver Siphon, steel liner for Polecat Flume
ENGINEER: Engineering Associates, Inc.; Cody, WY
CONTRACTOR: Deaver Irrigation District
MATERIALS: Riverton Concrete Products, Inc.; Riverton, WY
Production Machine Co., Inc.; Powell, WY
Miller Fabrication, Inc.; Lovell, WY
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2003, 2005

**126. PROJECT: Deaver Flume Rehabilitation II**
SPONSOR: Deaver Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $461,000
ACTUAL EXPENDITURES: $461,000
DESCRIPTION: Replace Frannie Flume, extend Lateral 114F siphon
ENGINEER: Engineering Associates, Inc.; Cody, WY
Sage Civil Engineering; Cody, WY
CONTRACTOR: Deaver Irrigation District
MATERIALS: Miller Fabrication, Inc.; Lovell, WY
J&E Irrigation, Inc., Basin, WY
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2007

**127. PROJECT: Deaver Irrigation District Flume Replacement/Laterals 2017**
SPONSOR: Deaver Irrigation District
LOCATION: Park and Big Horn Counties
PROGRAM: Rehabilitation
APPROPRIATION: $91,000
ACTUAL EXPENDITURES: $39,746
DESCRIPTION: Replace D-23 flume with inverted siphon, replace main spillway box on lateral D-44 with two weir boxes, and, replace open lateral into buried pipe. Provided construction materials only.
ENGINEER: Sage Civil Engineering; Cody, WY
CONTRACTOR: Deaver Irrigation District
MATERIALS: Waterworks Irrigation, Inc.; Ralston, WY;
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2017

**128. PROJECT: Deaver Irrigation District Rehabilitation 2018**
SPONSOR: Deaver Irrigation District
LOCATION: Park and Bighorn Counties
PROGRAM: Rehabilitation
APPROPRIATION: $230,000
ACTUAL EXPENDITURES: $147,686
DESCRIPTION: Construction of a new siphon to replace an aging flume
ENGINEER: Sage Civil Engineering Inc., Cody, WY
CONTRACTOR: Deaver Irrigation District, Deaver, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2018

**129. PROJECT:** **Deaver Irrigation District Rehabilitation 2019**

| | |
|---|---|
| SPONSOR: | Deaver Irrigation District |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $424,000 |
| ACTUAL EXPENDITURES: | $270,962 |
| DESCRIPTION: | Converting segment of ditch to buried pipe |
| ENGINEER: | Sage Civil Engineering; Cody, WY |
| CONTRACTOR: | Big Horn Trucking and Equipment; Manderson, WY |
| YEAR COMPLETED: | 2020 |
| SESSION LAW YEAR: | 2019 |

**130. PROJECT:** **Deaver Rehabilitation 2009**

| | |
|---|---|
| SPONSOR: | Deaver Irrigation District |
| LOCATION: | Park and Bighorn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,023,000 |
| ACTUAL EXPENDITURES: | $ 878,378 |
| DESCRIPTION: | Converting segments of ditch to buried pipe |
| ENGINEER: | Sage Civil Engineering, Cody, WY<br>Engineering Associates, Cody, WY |
| CONTRACTOR: | J&E Irrigation, Inc.; Basin, WY<br>Big Horn Truck & Equipment, Inc.; Manderson, WY<br>WDI Systems; Powell, WY<br>Triple L Sales, Inc.; Cody, WY<br>Ferguson Enterprises, Inc.; Casper, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2009 |

**131. PROJECT:** **Deaver Transmission Pipeline**

| | |
|---|---|
| SPONSOR: | Deaver Irrigation Distinct |
| LOCATION: | Park and Bighorn Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,083,700.00* |
| ACTUAL EXPENDITURES: | $1,038,722.34 |
| DESCRIPTION: | Design and construction of a transmission pipeline. |
| ENGINEER: | WENCK Associates; Cheyenne, WY |
| CONTRACTOR: | DRM Inc.; Gillette, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2018 |

*Includes $313,200.00 Account II Sponsor's Contingency Funds

**132. PROJECT:** **Dixon Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Dixon |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $215,000 |
| ACTUAL EXPENDITURES: | $215,000 |
| DESCRIPTION: | Infiltration gallery and transmission pipeline |

ENGINEER: Lidstone and Anderson; Fort Collins, CO
CONTRACTOR: Bartlett Construction; Hanna, WY
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1985, 1989

**133. PROJECT: Douglas Area Water Supply**
SPONSOR: City of Douglas
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $1,700,000
ACTUAL EXPENDITURES: $1,676,442
DESCRIPTION: Well, pipeline, storage facility
ENGINEER: CEPI; Casper, WY
CONTRACTOR: Hedquist Construction; Casper, WY
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1992, 1994

**134. PROJECT: Douglas Intake Structure**
SPONSOR: City of Douglas
LOCATION: Converse County
PROGRAM: Rehabilitation
APPROPRIATION: $400,000
ACTUAL EXPENDITURES: $307,872
DESCRIPTION: Diversion and intake structure
ENGINEER: CEPI; Casper, WY
CONTRACTOR: Russell Construction; Douglas, WY
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1991

**135. PROJECT: Douglas Water Supply Project**
SPONSOR: City of Douglas
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $2,070,000
ACTUAL EXPENDITURES: $2,031,652
DESCRIPTION: New Roof on spring house and addition of chlorination facilities. Construction of one new tank and rehabilitation of two other tanks. Construction of a new pump station for Wyoming Law Enforcement Academy.
ENGINEER: Civil Engineering Professionals Inc.; Casper, WY
CONTRACTOR: Salt Creek Welding; Casper, WY
High Plains Construction; Casper, WY
Water System Drilling; Gillette WY
Russell Construction, Douglas, WY
YEAR COMPLETED: 2004
SESSION LAW YEAR: 1999, 2003

**136. PROJECT: Downer Neighborhood Water Supply**
SPONSOR: Downer Neighborhood Improvement and Service District
LOCATION: Sheridan County
PROGRAM: Rehabilitation
APPROPRIATION: $1,198,000
ACTUAL EXPENDITURES: $ 868,650

| | |
|---|---|
| DESCRIPTION: | Pipeline rehabilitation |
| ENGINEER: | HKM Engineering; Sheridan, WY |
| CONTRACTOR: | Hot Iron Construction; Gillette, WY |
| YEAR COMPLETED: | 2003 |
| SESSION LAW YEAR: | 1999, 2001 |

**137.** **PROJECT:** **Dubois SCADA**

| | |
|---|---|
| SPONSOR: | Town of Dubois |
| LOCATION: | Fremont County |
| PROGRAM: | New Development |
| APPROPRIATION: | $45,000 |
| ACTUAL EXPENDITURES: | $45,000 |
| DESCRIPTION: | New Telemetry System |
| ENGINEER: | Stetson Engineering; Gillette, WY |
| CONTRACTOR: | Electrical Experts; Dubois, WY |
| YEAR COMPLETED: | 2005 |
| SESSION LAW YEAR: | 2004 |

**138.** **PROJECT:** **Dubois Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Dubois |
| LOCATION: | Fremont County |
| PROGRAM: | New Development |
| APPROPRIATION: | $90,000 |
| ACTUAL EXPENDITURES: | $83,108 |
| DESCRIPTION: | Pump Station |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | Wilkinson Construction; Dubois, WY |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1992 |

**139.** **PROJECT:** **Dubois Water Supply**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Town of Dubois |
| LOCATION: | Fremont |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,157,000 |
| ACTUAL EXPENDITURES: | $1,780,154 |
| DESCRIPTION: | Well and Transmission Line |
| ENGINEER: | Stetson, Riverton WY |
| CONTRACTOR: | 71 Construction, Riverton WY |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2009, 2010 |

**140.** **PROJECT:** **Dubois Well Acquisition**

| | |
|---|---|
| SPONSOR: | Town of Dubois |
| LOCATION: | Fremont |
| PROGRAM: | New Development |
| APPROPRIATION: | $0 |
| ACTUAL EXPENDITURES: | $7,429 |
| DESCRIPTION: | Purchase of a Level II well (33% of actual well construction costs) from the WWDC. |

ENGINEER: None
CONTRACTOR: None
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2016

**141. PROJECT: Dubois Well No. 11 Supply**
LEVEL: III
SPONSOR: Town of Dubois
LOCATION: Fremont
PROGRAM: New Development
APPROPRIATION: $415,000
ACTUAL EXPENDITURES: $271,197
DESCRIPTION: Connect new well to system
ENGINEER: Stetson, Riverton WY
CONTRACTOR: 71 Construction; Riverton WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2006, 2008

**142. PROJECT: Dull Knife Reservoir Spillway Rehabilitation**
SPONSOR: Dull Knife Irrigation District
LOCATION: Johnson County
PROGRAM: Rehabilitation
APPROPRIATION: $2,257,850
ACTUAL EXPENDITURES: $2,219,064
DESCRIPTION: Rehabilitate and improve the spillway, upgrade the water release structure
ENGINEER: Tetra Tech Inc.; Casper, WY
CONTRACTOR: Big Sky Civil; Helena, MT
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2015/17/18

**143. PROJECT: Dry Creek Irrigation District Pipeline Replacement 2017**
SPONSOR: Dry Creek Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $670,000
ACTUAL EXPENDITURES: $371,890
DESCRIPTION: Replace failing steel pipelines with high density polyethylene pipe beginning at LN-5 and LN-5b connection and terminating at 5,455 feet to west at Salt River
ENGINEER: Sunrise Engineering, Inc.; Afton, WY
CONTRACTOR: Western Oilfields Supply Company dba Rain for Rent; Bakersfield, CA
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2017

**144. PROJECT: Eastern Shoshone Boulder Flats Well Field**
SPONSOR: Eastern Shoshone Tribe & Shoshone Utilities Organization (SUO)
LOCATION: Fremont County
PROGRAM: New Development
APPROPRIATION: $804,000
ACTUAL EXPENDITURES: $763,072

DESCRIPTION: Design and construction of a well field, pumping facilities, pipeline
ENGINEER: HDR, Inc.; Lander, WY
CONTRACTOR: Bornhoft Construction, Inc.; Riverton, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2014

**145. PROJECT: Eden Valley Farson Project**
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sweetwater County
PROGRAM: Rehabilitation
APPROPRIATION: $3,276,000
ACTUAL EXPENDITURES: $2,839,862
DESCRIPTION: Canal to Pipeline conversion
ENGINEER: JUB Engineers; Kaysville, UT
CONTRACTOR: Searle Bros; Rock Springs, WY
YEAR COMPLETED: 2020
SESSION LAW YEAR: 2013/15/16/19

**146. PROJECT: Eden Valley Irrigation District Rehabilitation–Phase I**
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sweetwater County
PROGRAM: Rehabilitation
APPROPRIATION: $1,508,000
ACTUAL EXPENDITURES: $1,460,402
DESCRIPTION: Laterals E-19 and E-25 diversion structures and HDPE pipeline replacement of 50,500 l.f. open lateral ditches
ENGINEER: NRCS; Riverton, WY; Nelson Engineering; Jackson, WY
CONTRACTOR: Johansen Construction; Mt. Pleasant, UT
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2005

**147. PROJECT: Eden Valley Rehabilitation 2009**
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sweetwater
PROGRAM: Rehabilitation
APPROPRIATION: $7,907,000.00
ACTUAL EXPENDITURES: $7,543,516.76
DESCRIPTION: Construction of irrigation canal conversion from ditch to pipe
ENGINEER: JUB Engineers.; Kaysville, UT
CONTRACTOR: Knife River; Casper, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2009, 2013

**148. PROJECT: Eden Valley Rehabilitation 2011**
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sweetwater County
PROGRAM: Rehabilitation
APPROPRIATION: $1,713,000
ACTUAL EXPENDITURES: $1,710,431
DESCRIPTION: (Phase IV of Eden Valley Rehab 2009) Line Eden Canal with synthetic rubber liner covered with fiber-reinforced shotcrete, repair of existing concrete liner up and downstream of the

siphon, and piping of open ditch irrigation laterals (E-5 and E-6) with HDPE pipe.

ENGINEER: JUB Engineers, Inc.
CONTRACTOR: Knife River Corporation
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2011

**149. PROJECT: Edgerton/Midwest Water Supply**

SPONSOR: Salt Creek Joint Powers Board
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $3,750,000
ACTUAL EXPENDITURES: $3,208,580
DESCRIPTION: Potable Water Transmission Pipeline
ENGINEER: Worthington, Lenhart and Carpenter, Inc.; Casper, WY
CONTRACTOR: Larry's, Inc.; Gillette; WY
Bartlett, Inc.; Hanna, WY
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1992

**150. PROJECT: Eight Mile/High Plains Well**

SPONSOR: Eight Mile Improvement & Service District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $371,850
ACTUAL EXPENDITURES: $371,850
DESCRIPTION: Well, storage tank, and transmission pipeline
ENGINEER: Wester-Wetstein & Associates; Laramie, WY
CONTRACTOR: Miller Mechanical; Gillette, WY
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2006

**151. PROJECT: Elk Mountain Water Supply**

SPONSOR: Town of Elk Mountain
LOCATION: Carbon County
PROGRAM: New Development
APPROPRIATION: $335,000
ACTUAL EXPENDITURES: $331,743
DESCRIPTION: Put Level II well on line
ENGINEER: PMPC; Saratoga, WY
CONTRACTOR: Bartlett Construction; Hanna, WY
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1996

**152. PROJECT: Encampment Raw Water Line**

SPONSOR: Town of Encampment
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $400,000
ACTUAL EXPENDITURES: $268,043
DESCRIPTION: Construction of a raw water pipeline in the Town's open ditch conveyance system. This project completes this pipeline from the end of the existing pipe to the water treatment plant.

ENGINEER: PMPC Civil Engineers; Saratoga, WY
CONTRACTOR: Three Way, Inc.; Gillette, WY and Hot Iron, Inc., Gillette, WY, a joint venture
YEAR COMPLETED: 2002
SESSION LAW YEAR: 2001, 2002

**153. PROJECT: Encampment Water**
SPONSOR: Town of Encampment
LOCATION: Carbon County
PROGRAM: New Development
APPROPRIATION: $200,000
ACTUAL EXPENDITURES: $181,602
DESCRIPTION: Diversion dam, pipeline
ENGINEER: Probity Engineering; Cheyenne, WY
CONTRACTOR: Great Divide Construction; Baggs, Wyoming
YEAR COMPLETED: 1988
SESSION LAW YEAR: 1985

**154. PROJECT: Encampment Water Supply**
SPONSOR: Town of Encampment
LOCATION: Carbon County
PROGRAM: New Development
APPROPRIATION: $137,000
ACTUAL EXPENDITURES: $ 23,800
DESCRIPTION: Expand municipal raw water irrigation system
ENGINEER: Westerfield Engineering; Encampment, WY
CONTRACTOR: Town of Encampment; Encampment, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

**155. PROJECT: Etna Diversion Dam**
SPONSOR: Etna Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $200,000
ACTUAL EXPENDITURES: $152,765
DESCRIPTION: Diversion dam replacement
ENGINEER: Forsgren Associates; Evanston, WY
CONTRACTOR: T.J.G., Inc.; Evanston, WY
YEAR COMPLETED: 1991
SESSION LAW YEAR: 1991

**156. PROJECT: Etna Water Supply**
SPONSOR: Etna Water and Sewer District
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $690,000
ACTUAL EXPENDITURES: $630,666
DESCRIPTION: Springs development, well and transmission line
ENGINEER: Forsgren Associates Inc.; Evanston, WY
CONTRACTOR: Peavler's Mountain Star Inc.; Afton, WY
YEAR COMPLETED: 2002
SESSION LAW YEAR: 1994 & 1998

**157.** **PROJECT:** **Evanston Raw Water Supply**
SPONSOR: City of Evanston
LOCATION: Uinta County
PROGRAM: New Development
APPROPRIATION: $1,500,000
ACTUAL EXPENDITURES: $1,500,000
DESCRIPTION: Irrigation pipeline, pumps and primary filters
ENGINEER: Sunrise Engineering, Inc.; Afton, WY
CONTRACTOR: Flare Construction; Coalville, UT
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1998

**158.** **PROJECT:** **Evansville Elkhorn Creek Water Supply**
SPONSOR: Town of Evansville
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $50,000
ACTUAL EXPENDITURES: $0
DESCRIPTION: Infiltration gallery and monitoring facility
ENGINEER: Hibsman Associates; Casper, WY
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1996

**159.** **PROJECT:** **Evansville Emergency Connection**
SPONSOR: Town of Evansville
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $141,370
ACTUAL EXPENDITURES: $165,160*
DESCRIPTION: Transmission pipeline.
ENGINEER: WLC; Casper, WY
CONTRACTOR: 71 Construction; Casper, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2013
*In 2017, the Wyoming Water Development Commission and the Select Water Committee approved $31,170 from Account I of the Sponsor's Contingency Fund. The Sponsor expended $23,790.03 of the approved contingency funds.

**160.** **PROJECT:** **Evansville Water Supply**
SPONSOR: Town of Evansville
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $750,000
ACTUAL EXPENDITURES: $382,606
DESCRIPTION: Water storage tank
ENGINEER: Hibsman Associates; Casper, WY
CONTRACTOR: Bartlett Construction; Hanna, WY
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1992

**161. PROJECT:** **Fairview Water Supply**

| | |
|---|---|
| SPONSOR: | Fairview Irrigation District |
| LOCATION: | Lincoln County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $150,000 |
| ACTUAL EXPENDITURES: | $150,000 |
| DESCRIPTION: | Open canal to pipeline design |
| ENGINEER: | ARIX; Riverton, WY |
| CONTRACTOR: | NA |
| YEAR COMPLETED: | 1990 |
| SESSION LAW YEAR: | 1988 |

**162. PROJECT:** **Fairview Water Supply**

| | |
|---|---|
| SPONSOR: | Fairview Water and Sewer District |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $502,000 |
| ACTUAL EXPENDITURES: | $391,640 |
| DESCRIPTION: | Well, storage and pipeline |
| ENGINEER: | Forsgren Associates; Evanston, WY |
| CONTRACTOR: | JASCO; Evanston, WY |
| YEAR COMPLETED: | 1995 |
| SESSION LAW YEAR: | 1992 |

**163. PROJECT:** **Farview Water Supply**

| | |
|---|---|
| SPONSOR: | Farview Water District |
| LOCATION: | Fremont County |
| PROGRAM: | New Development |
| APPROPRIATION: | $100,000 |
| ACTUAL EXPENDITURES: | $ 97,632 |
| DESCRIPTION: | Completion of a Level II well and pipeline |
| ENGINEER: | Stetson Engineering; Riverton, WY |
| CONTRACTOR: | 71 Construction; Riverton, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2010 |

**164. PROJECT:** **Fayette Irrigation District**

| | |
|---|---|
| SPONSOR: | Fayette Irrigation District |
| LOCATION: | Sublette County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $ 75,000 (2002)<br>$160,000 (2006)<br>$235,000 TOTAL |
| ACTUAL EXPENDITURES: | $216,774 |
| DESCRIPTION: | New diversion structure at West Lateral, re-routing part of West Lateral, reshaping and re-grading of West Lateral (10,100 l.f.), CMP culverts |
| ENGINEER: | Rio Verde Engineering; Pinedale, WY |
| CONTRACTOR: | Koch Construction; Daniel, WY |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2002, 2006 |

**165. PROJECT:** **Fayette Irrigation Rehabilitation**

| | |
|---|---|
| SPONSOR: | Fayette Irrigation District |
| LOCATION: | Sublette |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $300,000 |
| ACTUAL EXPENDITURES: | $296,689 |
| DESCRIPTION: | Design and construction of water canal system improvements |
| ENGINEER: | Jorgensen Engineering |
| CONTRACTOR: | Teletractors Inc. |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2012/2016 |

**166. PROJECT:** **Ferris Diversion Dam Rehabilitation**

| | |
|---|---|
| SPONSOR: | Ferris Irrigation District/Town of Torrington |
| LOCATION: | Goshen County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $500,000 |
| ACTUAL EXPENDITURES: | $475,847 |
| DESCRIPTION: | Diversion dam, pipeline |
| ENGINEER: | Western Water Consultants; Laramie, WY |
| CONTRACTOR: | Pete's Excavation; Torrington, WY |
| YEAR COMPLETED: | 1992 |
| SESSION LAW YEAR: | 1990 |

**167. PROJECT:** **Fontenelle Dam Repair**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| LOCATION: | Sweetwater County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $3,500,000 |
| ACTUAL EXPENDITURES: | $3,247,283 |
| DESCRIPTION: | Dam |
| ENGINEER: | Bureau of Reclamation |
| YEAR COMPLETED: | 1989 |
| SESSION LAW YEAR: | 1986, 1989 |

**168. PROJECT:** **Fort Laramie Storage Tank**

| | |
|---|---|
| SPONSOR: | Town of Fort Laramie |
| LOCATION: | Goshen County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,139,100 |
| ACTUAL EXPENDITURES: | $ 891,062 |
| DESCRIPTION: | Construction of a new elevated water storage tank |
| ENGINEER: | Baker and Assoc. |
| CONTRACTOR: | Maguire Iron, Inc., Sioux Falls, SD |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2012/2013 |

**169. PROJECT:** **Freedom Water Supply**

| | |
|---|---|
| SPONSOR: | Freedom Water and Sewer District |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $737,000 |
| ACTUAL EXPENDITURES: | $678,899 |

DESCRIPTION: Well, storage, pipeline
ENGINEER: Forsgren; Evanston, WY
CONTRACTOR: Snyder Construction; Lyman, WY
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1993

**170. PROJECT: Fremont Lake Reservoir**
SPONSOR: Highland Irrigation District
LOCATION: Sublette County
PROGRAM: New Development
APPROPRIATION: $457,834
ACTUAL EXPENDITURES: $411,862
DESCRIPTION: Dam, headgates
ENGINEER: Soil Conservation Service
CONTRACTOR: Bartlett Construction; Hanna, WY
Noble Construction; Pinedale, WY
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1982, 1986, 1992

**171. PROJECT: Gillette Central Zone Isolation Project**
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: Rehabilitation
APPROPRIATION: $759,500
ACTUAL EXPENDITURES: $379,621
DESCRIPTION: New transmission line
ENGINEER: Stetson Engineering; Gillette, WY
CONTRACTOR: Hot Iron Inc.; Gillette, WY
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2001, 2002

**172. PROJECT: Gillette Fort Union Well Field**
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: Rehabilitation
APPROPRIATION: $1,725,000
ACTUAL EXPENDITURES: $1,331,818
DESCRIPTION: Storage Tank, Pipeline
ENGINEER: Stetson Engineering; Gillette, WY
Wester-Wetstein; Laramie, WY
CONTRACTOR: DRM Inc.; Gillette, WY
Ruby Drilling; Gillette, WY
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1995, 1996, 1998

**173. PROJECT: Gillette Fort Union Well Field – Phase I**
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $1,000,000
ACTUAL EXPENDITURES: $ 107,764
DESCRIPTION: Well field and transmission pipeline

| | | |
|---|---|---|
| | ENGINEER: | Wester-Wetstein & Assoc.; Laramie, WY |
| | YEAR COMPLETED: | 2008 |
| | SESSION LAW YEAR: | 2005 |
| **174.** | **PROJECT:** | **Gillette Fort Union Wells** |
| | SPONSOR: | City of Gillette |
| | LOCATION: | Campbell County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $6,970,000 |
| | ACTUAL EXPENDITURES: | $4,497,726 |
| | DESCRIPTION: | Construction of five Fort Union formation wells and tie-in to the city's existing water system. |
| | ENGINEER: | Morrison-Maierle; Billings, MT |
| | CONTRACTOR: | Henkle Drilling; Fort Lupton, CO |
| | YEAR COMPLETED: | 2010 |
| | SESSION LAW YEAR: | 2008 |
| **175.** | **PROJECT:** | **Gillette Hidden Valley Storage and Transmission** |
| | SPONSOR: | City of Gillette |
| | LOCATION: | Campbell County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,350,000 |
| | ACTUAL EXPENDITURES: | $1,028,531 |
| | DESCRIPTION: | Storage Tank, Pipeline |
| | ENGINEER: | Stetson Engineering, Gillette, WY |
| | CONTRACTOR: | DRM Inc.; Gillette, WY |
| | SESSION LAWS: | 2000 |
| | COMPLETION YEAR: | 2002 |
| **176.** | **PROJECT:** | **Gillette Madison and Pine Ridge Tanks** |
| | SPONSOR: | City of Gillette |
| | LOCATION: | Campbell County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $550,000 |
| | ACTUAL EXPENDITURES: | $531,986 |
| | DESCRIPTION: | Construction of two 200,000-gallon storage reservoirs and rehabilitation of two existing storage reservoirs. |
| | ENGINEER: | Stetson Engineering; Gillette, WY |
| | CONTRACTOR: | DRM, Inc.; Gillette, WY |
| | YEAR COMPLETED: | 2007 |
| | SESSION LAW YEAR: | 2004 |
| **177.** | **PROJECT:** | **Gillette Madison Pipeline Joint Bonding** |
| | SPONSOR: | City of Gillette |
| | LOCATION: | Campbell and Crook Counties |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $5,077,500 |
| | ACTUAL EXPENDITURES: | $4,159,467 |
| | DESCRIPTION: | Design and construction of a cathodic system for the Gillette Madison transmission pipeline. |

| | | |
|---|---|---|
| | ENGINEER: | Wester-Wetstein & Associates, Laramie, WY<br>DOWL HKM, Sheridan, WY |
| | CONTRACTOR: | Western Municipal Construction, Meeteetse, WY<br>Garney of Wyoming, Guernsey, WY<br>WBI Energy Corrosion Services, Billings, MT |
| | YEAR COMPLETED: | 2016 |
| | SESSION LAW YEAR: | 2005, 2006, 2009, 2014, 2015 |
| **178.** | **PROJECT:** | **Gillette Madison Well Field Expansion** |
| | SPONSOR: | City of Gillette |
| | LOCATION: | Campbell County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,628,250 |
| | ACTUAL EXPENDITURES: | $1,619,192 |
| | DESCRIPTION: | Two New Wells, Improvement of another well, pipeline |
| | ENGINEER: | Wester-Wetstein; Gillette, WY |
| | CONTRACTOR: | Jim's Water Service; Gillette, WY<br>Hot Iron; Gillette, WY<br>Tower Construction; Gillette, WY |
| | YEAR COMPLETED: | 2000 |
| | SESSION LAW YEAR: | 1995, 1996 |
| **179.** | **PROJECT:** | **Gillette Pipeline Project** |
| | SPONSOR: | City of Gillette |
| | LOCATION: | City of Gillette |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $408,700 |
| | ACTUAL EXPENDITURES: | $301,684 |
| | DESCRIPTION: | Pipeline |
| | ENGINEER: | Consolidated Engineers and Materials Testing; Gillette, WY |
| | CONTRACTOR: | S&S Builders; Gillette, Wyoming |
| | YEAR COMPLETED; | 1995 |
| | SESSION LAW YEAR: | 1993 |
| **180.** | **PROJECT:** | **Gillette Regional Extensions** |
| | SPONSOR: | City of Gillette |
| | LOCATION: | Campbell County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $6,432,000 |
| | ACTUAL EXPENDITURES: | $5,383,812 |
| | DESCRIPTION: | Provide pipeline extensions from the mainframe water supply system to serve rural water districts such as Antelope Valley, Pinnacle Heights, Bennor Estates, Overbrook, and Spring Hill Ranch Improvement & Service Districts as well as Rafter D Homeowners' Association, Cook Road Water District, and Force Road Joint Powers Board |
| | ENGINEER: | DOWL, LLC; Gillette, WY |
| | CONTRACTOR: | Action Direct LLC dba Redpoint Contracting; Phoenix, AZ |
| | YEAR COMPLETED: | 2018 |
| | SESSION LAW YEAR: | 2012, 2013, 2014 |

**181. PROJECT:** **Gillette Rehabilitation**

| | |
|---|---|
| LEVEL: | III |
| PROGRAM: | Rehabilitation |
| LOCATION: | Campbell County |
| SPONSOR: | City of Gillette |
| APPROPRIATION: | $300,000 |
| ACTUAL EXPENDITURES: | $300,000 |
| DESCRIPTION: | Installation electrical distribution cable, surge arresters, transformers, switch gear, and electrical controls. |
| ENGINEER: | Cooper Power Systems; Pittsburgh, PA<br>Consolidated Engineering & Material Testing; Gillette, WY |
| CONTRACTOR: | Automation & Electronics; Casper, WY |
| YEAR COMPLETED: | 2000 |
| SESSION LAW YEAR; | 1997 |

**182. PROJECT:** **Gillette Storage & East End Transmission Improvements**

| | |
|---|---|
| SPONSOR: | City of Gillette |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,040,000 |
| ACTUAL EXPENDITURES: | $1,095,729 |
| ENGINEER: | Stetson Engineering; Gillette, WY<br>PCA; Gillette, WY. |
| CONTRACTOR: | Larry's Inc.; Gillette, WY<br>DRM; Gillette, WY |
| YEAR COMPLETED: | 2001 |
| SESSION LAW YEAR: | 1998 |

**183. PROJECT:** **Glendo Well**

| | |
|---|---|
| SPONSOR: | Town of Glendo |
| LOCATION: | Platte County |
| PROGRAM: | New Development |
| APPROPRIATION: | $780,000 |
| ACTUAL EXPENDITURES: | $292,404 |
| DESCRIPTION: | Installation of a well pump and transmission pipeline to connect a Level II well to the town's water system. |
| ENGINEER: | WWC Engineering; Laramie, WY |
| CONTRACTOR: | Schmidt Earth Builders; Windsor CO |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007, 2009 |

**184. PROJECT:** **Glenrock Transmission Pipeline 2017**

| | |
|---|---|
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $254,600 |
| ACTUAL EXPENDITURES: | $254,600 |
| DESCRIPTION: | Construction of T15 transmission pipeline |
| ENGINEER: | Civil Engineering Professionals Inc. (CEPI); Casper, WY |
| CONTRACTOR: | Grizzly Excavating and Construction, LLC; Casper, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2017 |

**185. PROJECT:** **Glenrock Groundwater Supply**

| | |
|---|---|
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,822,000 |
| ACTUAL EXPENDITURES: | $1,639,709 |
| DESCRIPTION: | New Well, pipeline, controls |
| ENGINEER: | Civil Engineering Professionals Inc.; Casper, WY |
| CONTRACTOR: | 71 Construction; Casper, WY |
| YEAR COMPLETED: | 2003 |
| SESSION LAW YEAR: | 2000, 2002 |

**186. PROJECT:** **Glenrock Sunup Ridge Tank Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $132,750 |
| ACTUAL EXPENDITURES: | $129,824 |
| DESCRIPTION: | Storage reservoir interior and exterior coating systems |
| ENGINEER: | CEPI; Casper, WY |
| CONTRACTOR: | Wyoming Power Wash, Inc.; Casper, WY |
| YEAR COMPLETED: | 2007 |
| SESSION LAW YEAR: | 2004 |

**187. PROJECT:** **Glenrock Tank Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $ 1,236,835 |
| ACTUAL EXPENDITURES: | $ 846,617 |
| DESCRIPTION: | Storage tank, yard piping |
| ENGINEER: | CEPI; Casper, WY |
| CONTRACTOR: | EAI; Loveland, CO |
| COMPLETION DATE: | 2008 |
| SESSION LAW YEAR: | 2006 |

**188. PROJECT:** **Glenrock Transmission Pipeline**

| | |
|---|---|
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $381,900 |
| ACTUAL EXPENDITURES: | $322,722 |
| DESCRIPTION: | Transmission Pipeline Construction |
| ENGINEER: | CEPI; Casper, WY |
| CONTRACTOR: | High Plains Construction; Casper, WY |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2014 |

**189. PROJECT:** **Glenrock Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,500,000 |

ACTUAL EXPENDITURES: $1,941,720
DESCRIPTION: Wells, pipeline
ENGINEER: Nelson Engineering; Jackson, WY
CONTRACTOR: Larry's Inc.; Gillette, WY
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1986

**190. PROJECT: Glenrock Well**
LEVEL: III
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $ 700,000
ACTUAL EXPENDITURES: $ 614,137
DESCRIPTION: Connect new well to system
ENGINEER: CEPI; Casper WY
CONTRACTOR: High Plains; Casper WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2008, 2009

**191. PROJECT: Gooseberry Rehabilitation**
LEVEL: III
SPONSOR: Gooseberry Creek Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation
APPROPRIATION: $1,260,000
ACTUAL EXPENDITURES: $1,207,767
DESCRIPTION: Rehabilitation of headgates and diversion structures
ENGINEER: Lidstone and Associates; Fort Collins CO
CONTRACTOR: COP Wyoming, LLC; Sheridan WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2008, 2010

**192. PROJECT: Goshen Canal Improvements**
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $24,500
ACTUAL EXPENDITURES: $24,303
DESCRIPTION: Automate three canal spillway gates

ENGINEER: Lidstone & Anderson; Fort Collins, CO
CONTRACTOR: Sutron Corporation; Sterling, VA
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1993

**193. PROJECT: Goshen Irrigation District - Guernsey Spillway Rehabilitation**
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $449,570.00
ACTUAL EXPENDITURES: $333,725.20

| | | |
|---|---|---|
| | DESCRIPTION: | Design and construction of replacement spillway gates |
| | ENGINEER: | Bureau of Reclamation |
| | CONTRACTOR: | Lillard and Clark Construction Company, Inc.; Denver, CO |
| | YEAR COMPLETED: | 2019 |
| | SESSION LAW YEAR: | 2015 |
| **194.** | **PROJECT:** | **Goshen Irrigation District Rehabilitation 2013** |
| | SPONSOR: | Goshen Irrigation District |
| | LOCATION: | Goshen |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $1,400,000 |
| | ACTUAL EXPENDITURES: | $1,224,613 |
| | DESCRIPTION: | Construction of irrigation canal conversion from ditch to pipe |
| | ENGINEER: | Benchmark Engineers; Torrington, WY |
| | CONTRACTOR: | Lanphier, Inc., Lingle, WY; International Water Screens, Shafter, CA; Ferguson Enterprises, Casper, WY; Watch Technologies, Grants Pass, OR; Flowmation, Brighton, CO; Goshen County Construction, Torrington, WY |
| | YEAR COMPLETED: | 2018 |
| | SESSION LAW YEAR: | 2013 |
| **195.** | **PROJECT:** | **Goshen Irrigation District Rehabilitation 2017** |
| | SPONSOR: | Goshen Irrigation District |
| | LOCATION: | Goshen |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $214,000 |
| | ACTUAL EXPENDITURES: | $126,357 |
| | DESCRIPTION: | Replace tile on Lateral 6.7 and 45.1 with 24” PVC pipe |
| | ENGINEER: | WWC Engineering, Sheridan, WY |
| | CONTRACTOR: | Barnum Construction, Buffalo, WY |
| | YEAR COMPLETED: | 2019 |
| | SESSION LAW YEAR: | 2017 |
| **196.** | **PROJECT:** | **Goshen Irrigation District Rehabilitation** |
| | SPONSOR: | Goshen Irrigation District |
| | LOCATION: | Goshen County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $600,000 |
| | ACTUAL EXPENDITURES: | $437,688 |
| | DESCRIPTION: | Canal conversion to pipeline |
| | ENGINEER: | Kennedy Engineering; Wheatland, WY |
| | CONTRACTOR: | Goshen Irrigation District |
| | YEAR COMPLETED: | 1991 |
| | SESSION LAW YEAR: | 1986 |
| **197.** | **PROJECT:** | **Goshen Irrigation District Water System** |
| | SPONSOR: | Goshen Irrigation District |
| | LOCATION: | Goshen County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $2,226,000 |
| | ACTUAL EXPENDITURES: | $2,226,000 |
| | DESCRIPTION: | Automate 11 control sites, pipe 16 miles in 29 segments |

ENGINEER: Anderson Consulting Engineers; Fort Collins, CO
CONTRACTOR: Goshen Irrigation District
Lanphier, Inc.; Lingle, WY
Waterman Industries, Inc.; Garden City, KS
Innovative Process Design, Inc.; Aurora, CO
Smitty's Repair Service, Inc.; Torrington, WY
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2000, 2004

**198. PROJECT: Goshen Pump Station**
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $330,000
ACTUAL EXPENDITURES: $330,000
DESCRIPTION: Pump station
ENGINEER: AVI; Cheyenne, Wyoming
Lidstone-Anderson; Ft. Collins, CO
CONTRACTOR: Bartlett Construction; Hanna, WY
John's Pump Service; Torrington, WY
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1992, 1994, 1995, and 1996

**199. PROJECT: Goshen Rehabilitation 2009**
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $1,200,000
ACTUAL EXPENDITURES: $1,126,139
DESCRIPTION: Horse Creek Automation, Table Mountain Lateral 83.6 and Springer Main 10.1 irrigation ditch to pipe conversion
ENGINEER: Anderson Consulting Engineers; Ft. Collins, CO
CONTRACTOR: Flowmation, Inc.; Brighton, CO
Smitty's Repair Service, Inc.; Torrington, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2009, 2011

**200. PROJECT: Goshen Rehabilitation 2011 Project**
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $1,100,000
ACTUAL EXPENDITURES: $1,100,000
DESCRIPTION: Completion of Table Mountain Lateral ditch to pipeline conversion, Check Structure 45.1 rehabilitated
ENGINEER: Baker & Associates, Laramie, WY
CONTRACTOR: Aqua Systems 2000, Inc. Alberta, Canada; Smitty's Repair Service, Inc., Torrington, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2011

**201. PROJECT:** **Granger Water Storage Project**

| | |
|---|---|
| SPONSOR: | Town of Granger |
| LOCATION: | Sweetwater County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,024,430 |
| ACTUAL EXPENDITURES: | $1,024,430 |
| DESCRIPTION: | 500,000 gallon storage tank, transmission line |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | DYK, Inc.; El Cajon, CA |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007 |

**202. PROJECT:** **Green River/Rock Springs Water Treatment Plant**

| | |
|---|---|
| SPONSOR: | GR-RS-SC JPWB |
| LOCATION: | Sweetwater County |
| PROGRAM: | Public Purpose Investment |
| APPROPRIATION: | $24,000,000 (permanent mineral trust fund loan) |
| ACTUAL EXPENDITURES: | $24,000,000 |
| DESCRIPTION: | Construction of a new water treatment plant |
| ENGINEER: | Forsgren Associates; Evanston, WY |
| CONTRACTOR: | Ellsworth Peck; American Fork, UT<br>Weststates Construction; Salt Lake City, UT |
| COMPLETION DATE: | 2000 |
| SESSION LAW: | 1995 |

**203. PROJECT:** **Green River Supply Canal Rehabilitation**

| | |
|---|---|
| SPONSOR: | Green River Irrigation District |
| LOCATION: | Sublette County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $350,000 |
| ACTUAL EXPENDITURES: | $346,961 |
| DESCRIPTION: | Diversion and flume rehabilitation, canal reshaping |
| ENGINEER: | Jack T. Doyle; Pinedale, WY |
| CONTRACTOR: | Teletractors, Inc.; Pinedale, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2005, 2009 |

**204. PROJECT:** **Greybull Crossing and Tank Project**

| | |
|---|---|
| SPONSOR: | Town of Greybull |
| LOCATION: | Big Horn County |
| PROGRAM: | New Construction |
| APPROPRIATION: | $1,850,000 |
| ACTUAL EXPENDITURES: | $1,255,658 |
| DESCRIPTION: | Big Horn River pipeline crossing, and a transmission pipeline to a new water storage tank. |
| ENGINEER: | Crank Companies, Inc.; Diamondville, WY |
| CONTRACTOR: | LaMax Construction; Basin, WY |
| YEAR COMPLETED: | 2005 |
| SESSION LAW YEAR: | 2000 |

**205. PROJECT:** **Greybull Highway 14 Crossing**

| | |
|---|---|
| SPONSOR: | Town of Greybull |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $240,000 |
| ACTUAL EXPENDITURES: | $ 77,222 |
| DESCRIPTION: | Lower and reroute several of the Town of Greybull's potable water transmission pipelines for the Wyoming Department of Transportation's reconstruction of a portion of U.S. Highway 14. |
| ENGINEER: | WYDOT; Cheyenne, WY |
| CONTRACTOR: | Unknown |
| YEAR COMPLETED: | 2005 |
| SESSION LAW YEAR: | 2003 |

**206. PROJECT:** **Greybull Pipeline and Well Improvements Project**

| | |
|---|---|
| SPONSOR: | Town of Greybull |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,470,000 |
| ACTUAL EXPENDITURES: | $ 860,854 |
| DESCRIPTION: | Design and construction of transmission pipeline and well improvements. The town's well field is located near the community of Shell, about 15 miles east of Greybull. |
| ENGINEER: | Engineering Associates; Cody, WY |
| CONTRACTOR: | LAMAX CONSTRUCTION, INC.; Basin, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2008 |

**207. PROJECT:** **Greybull Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Greybull |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $355,000 |
| ACTUAL EXPENDITURES: | $322,764 |
| DESCRIPTION: | Water system rehabilitation |
| ENGINEER: | Crank Companies, Inc.; Kemmerer, WY |
| CONTRACTORS: | Lamax Construction; Basin, WY<br>Automation Electronics; Casper, WY |
| YEAR COMPLETED; | 2000 |
| SESSION LAW YEAR: | 1996 |

**208. PROJECT:** **Greybull Shell Water Supply/Greybull Groundwater**

| | |
|---|---|
| SPONSOR: | Town of Greybull |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $517,000 |
| ACTUAL EXPENDITURES: | $517,000 |
| DESCRIPTION: | Pipeline, storage tank, and disinfection facilities |
| CONTRACTOR | LaMax Construction, Inc.; Basin, WY |
| COMPLETION DATE | 2002 |
| SESSION LAW | 1998, 1999 |

**209. PROJECT:** **Greybull Transmission Pipeline**

| | |
|---|---|
| SPONSOR: | Town of Greybull |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $824,100 |
| ACTUAL EXPENDITURES: | $622,069 |
| DESCRIPTION: | New transmission pipeline to connect Town's water system to storage tank at airport for additional municipal potable storage |
| ENGINEER: | Nelson Engineering; Buffalo, WY |
| CONTRACTOR: | Copper Creek Construction, LLC; Basin, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2016 |

**210. PROJECT:** **Greybull Valley Dam and Reservoir**

| | |
|---|---|
| SPONSOR: | Greybull Valley Irrigation District |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $32,057,458 |
| ACTUAL EXPENDITURES: | $31,202,416 |
| DESCRIPTION: | Diversion structure, supply canal and dam |
| ENGINEER: | URS, Inc.; Denver, CO |
| CONTRACTOR: | Ogden Engineering and Construction, Inc.; Cody, WY |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 1994, 1996, 2002, 2005 |

**211. PROJECT:** **Greybull Valley ID Hydroelectric**

| | |
|---|---|
| SPONSOR: | Greybull Valley Irrigation District |
| LOCATION: | Park/Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $150,000 |
| ACTUAL EXPENDITURES: | $123,755 |
| DESCRIPTION: | Determined project feasibility |
| ENGINEER: | AECOM; Denver, CO |
| YEAR COMPLETED: | 2014 |
| SESSION LAW YEAR: | 2012 |

**212. PROJECT:** **Grover Water Supply**

| | |
|---|---|
| SPONSOR: | Grover Water and Sewer District |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $493,000 |
| ACTUAL EXPENDITURES: | $493,000 |
| DESCRIPTION: | Well storage, pipeline |
| ENGINEER: | Forsgren Associates; Evanston, WY |
| CONTRACTOR: | JASCO; Evanston, WY |
| YEAR COMPLETED: | 1995 |
| SESSION LAW YEAR: | 1992 |

**213. PROJECT:** **Guernsey Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Guernsey |
| LOCATION: | Goshen County |
| PROGRAM: | New Development |
| APPROPRIATION: | $550,000 |

ACTUAL EXPENDITURES: $511,995
DESCRIPTION: Construction of a new well and a supply pipeline
ENGINEER: TST Engineering; Denver, CO
Weston Engineering; Laramie WY
CONTRACTOR: D. C. Drilling; Wheatland, WY
High Plains Construction; Casper, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1996

**214. PROJECT: Gunbarrel Lateral Rehabilitation**
SPONSOR: Platte County Resource District
LOCATION: Platte County
PROGRAM: Rehabilitation
APPROPRIATION: $250,000
ACTUAL EXPENDITURES: $210,782
DESCRIPTION: Replaced an open ditch with a buried pipeline.
Provided construction materials only.
ENGINEER: Natural Resources Conservation Service
CONTRACTOR: Sponsor
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1997

**215. PROJECT: GVID Upper Sunshine Diversion**
SPONSOR: Greybull Valley Irrigation District
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $3,900,000
ACTUAL EXPENDITURES: $3,891,391
DESCRIPTION: Replacement of the Upper Sunshine Diversion on the Greybull River.
ENGINEER: Wenck & Associates; Cheyenne, WY
CONTRACTOR: Groathouse Construction; Laramie, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2009, 2011

**216. PROJECT: Hanover Flume Rehabilitation**
SPONSOR: Hanover Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation
APPROPRIATION: $87,000
ACTUAL EXPENDITURES: $43,500
DESCRIPTION: Coat steel flume liner
ENGINEER: Engineering Associates, Inc.; Cody, WY
CONTRACTOR: Industrial Coatings, Inc.; Great Falls, MT
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2003

**217. PROJECT: Hanover Irrigation**
SPONSOR: Hanover Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation
APPROPRIATION: $600,000
ACTUAL EXPENDITURES: $600,000

DESCRIPTION: Moss catcher and structure
ENGINEER: Crank Companies, Inc.; Kemmerer, WY
CONTRACTOR: R-D Construction; Casper, WY
Magic Valley Heliac; Twin Falls, ID
YEAR COMPLETED: 1992
SESSION LAW YEAR: 1990

**218. PROJECT: Hartville Water Supply**
SPONSOR: Town of Hartville
LOCATION: Platte County
PROGRAM: New Development
APPROPRIATION: $0
ACTUAL EXPENDITURES: $0
DESCRIPTION: Authorize transfer Level II well to town for $19,020.
ENGINEER: NA
CONTRACTOR: NA
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

**219. PROJECT: Hawk Springs**
SPONSOR: Horse Creek Conservation District
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $8,871,000
ACTUAL EXPENDITURES: $8,491,098
DESCRIPTION: Dams, canals
ENGINEER: Soil Conservation Service; Casper, WY
DMJM; Denver, CO
Stone and Webster; Denver, CO
CONTRACTOR: Larry's Plumbing and Heating; Gillette, WY
Scott and Son; Torrington, WY
Lower and Co., Casper, WY
DATE COMPLETED: 1989
SESSION LAW DATE: 1983, 1985, 1993

**220. PROJECT: Heart Mountain Lining**
SPONSOR: Heart Mountain Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $978,000
ACTUAL EXPENDITURES: $758,863
DESCRIPTION: Replace concrete inlet of Buck Springs Siphon
ENGINEER: Engineering Associates, Inc.; Cody, WY
CONTRACTOR: Reiman Corporation; Cheyenne, WY
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2007, 2008

**221. PROJECT: Heart Mountain Pipe Conversion**
SPONSOR: Heart Mountain Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $715,340
ACTUAL EXPENDITURES: $715,340

DESCRIPTION: Pipe laterals H28, R39, part of R15-2N&6N
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Heart Mountain Irrigation District
DATE COMPLETED: 2008
SESSION LAW DATE: 2004, 2006

**222. PROJECT: Heart Mountain Rehabilitation**
SPONSOR: Heart Mountain Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $1,574,500
ACTUAL EXPENDITURES: $ 835,030
DESCRIPTION: Pipe laterals R15-2N & 6N, R26, R28, Weed Screen on Heart Mountain Canal
ENGINEER: Engineering Associates, Inc.; Cody, WY
CONTRACTOR: Heart Mountain Irrigation District
MATERIALS: Waterworks Irrigation, Inc.; Ralston, WY
J&E Irrigation, Inc.; Basin, WY
Miller's Fabrication & Construction, Inc.; Lovell, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2008

**223. PROJECT: Heart Mountain Rehabilitation 2010**
SPONSOR: Heart Mountain Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $1,990,000
ACTUAL EXPENDITURES: $1,963,075
DESCRIPTION: Replace open ditches with pipe.
ENGINEER: Sage Civil Engineering; Cody, WY
CONTRACTOR: Rubicon Systems America, Inc.; Fort Collins, CO
Waterworks Irrigation, Inc.; Ralston, WY
Triple L Sales; Cody, WY
Yellowstone Computer Service; Cody, WY
Big Horn Truck and Equipment, Inc.; Manderson, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2010

**224. PROJECT: Hidden Valley**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $2,969,543
ACTUAL EXPENDITURES: $2,854,367
DESCRIPTION: Gravity pressure irrigation delivery pipeline
ENGINEER: Natural Resources Conservation Service
Anderson Consulting Engineers; Fort Collins, CO
CONTRACTOR: Midvale Irrigation District
DATE COMPLETED: 2010
SESSION LAW DATE: 2004, 2006

**225. PROJECT:** **Highland Hanover Rehabilitation**

| | |
|---|---|
| SPONSOR: | Highland Hanover Irrigation District |
| LOCATION: | Washakie County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $536,000 |
| ACTUAL EXPENDITURES: | $536,000 |
| DESCRIPTION: | Pump station rehab; canal and lateral repairs |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | Mainline Construction; Billings, MT<br>Big Horn Red-Mix; Worland, WY<br>Tesco Electric; Worland, WY |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1989 |

**226. PROJECT:** **Highline Canal**

| | |
|---|---|
| SPONSOR: | Shell Valley Watershed Improvement District |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $808,050 |
| ACTUAL EXPENDITURES: | $714,608 |
| DESCRIPTION: | Construction of a replacement diversion structure; installation of a pipeline in the canal; and installation of new delivery structures. |
| ENGINEER: | Sage Civil Engineering; Cody WY |
| CONTRACTOR: | Wilson Brothers Construction; Cowley WY |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2008 |

**227. PROJECT:** **Highline Ditch Rehabilitation**

| | |
|---|---|
| SPONSOR: | Highline Irrigation District |
| LOCATION: | Sheridan County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $260,000 |
| ACTUAL EXPENDITURES: | $231,560 |
| DESCRIPTION: | Diversion dam, pipeline |
| ENGINEER: | Engineering, Inc.; Sheridan, WY |
| CONTRACTOR: | Fletcher Construction; Sheridan, WY |
| YEAR COMPLETED: | 1990 |
| SESSION LAW DATE: | 1988 |

**228. PROJECT:** **Highline Irrigation Ditch Rehabilitation**

| | |
|---|---|
| SPONSOR: | Highline Watershed Improvement District |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $726,000 |
| ACTUAL EXPENDITURES: | $726,000 |
| DESCRIPTION: | Ditch erosion control and renovation |
| ENGINEER: | PMPC, Inc.; Saratoga, WY |
| CONTRACTOR: | A & D Dozers, Inc.; Rawlins, WY |
| YEAR COMPLETED: | 2002 |
| SESSION LAW YEAR: | 2000 |

**229. PROJECT:** **High Savery Dam and Reservoir**

| | |
|---|---|
| SPONSOR: | The State of Wyoming |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $33,800,000 |
| ACTUAL EXPENDITURES: | $31,527,606 |
| DESCRIPTION: | Dam and reservoir |
| ENGINEER: | States West Water Resources Corporation; Cheyenne, WY |
| CONTRACTOR: | Ames Construction, Inc.; Denver, CO |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 1988, 1989, 1993, 2001 |

**230. PROJECT:** **Hill Irrigation District - Guernsey Spillway Rehabilitation**

| | |
|---|---|
| SPONSOR: | Hill Irrigation District |
| LOCATION: | Goshen County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $36,850.00 |
| ACTUAL EXPENDITURES: | $28,382.79 |
| DESCRIPTION: | Design and construction of replacement spillway gates |
| ENGINEER: | Bureau of Reclamation |
| CONTRACTOR: | Lillard and Clark Construction Company, Inc.; Denver, CO |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2015 |

**231. PROJECT:** **Hopkins Producers Supply**

| | |
|---|---|
| SPONSOR: | Hopkins Producers Irrigation District |
| LOCATION: | Johnson County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $703,500 |
| ACTUAL EXPENDITURES: | $702,538 |
| DESCRIPTION: | Construction of gravity pipelines to replace the Hopkins Irrigation Canal. |
| ENGINEER: | Natural Resource Conservation Service; Casper, WY<br>Grizzly Engineering; Buffalo, WY |
| CONTRACTOR: | Mulinax Concrete Service Co., Inc.; Sheridan, WY<br>Johansen Construction; Mt. Pleasant, UT |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2006 |

**232. PROJECT:** **Horse Creek Conservation District Rehabilitation**

| | |
|---|---|
| SPONSOR: | Horse Creek Conservation District |
| LOCATION: | Goshen County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $246,600 |
| ACTUAL EXPENDITURES: | $190,124 |
| DESCRIPTION: | Replace ditch with pipe, install structures |

ENGINEER: PMPC; Saratoga, WY
BenchMark Engineering; Torrington, WY
CONTRACTOR: Horse Creek Conservation District; Hawk Springs, WY
MATERIALS: Shively Hardware Co.; Saratoga, WY
Vaughn Concrete Products, Inc.; Cheyenne, WY
Lanphier, Inc.; Lingle, WY
Panhandle Concrete Products, Inc.; Scottsbluff, NE
YEAR COMPLETED: 2001
SESSION LAW DATE: 1999

**233. PROJECT: Hudson Water Supply**
LEVEL: III
SPONSOR: Town of Hudson
LOCATION: Fremont County
PROGRAM: New Development
APPROPRIATION: $1,520,000
ACTUAL EXPENDITURES: $ 617,566
DESCRIPTION: Replacement of 10 alluvial wells and collection system
ENGINEER: James Gores and Associates; Riverton, WY
CONTRACTOR: Jerry Bornhoft Construction, Inc.; Riverton WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2009

**234. PROJECT: Hugus-Mullison Ditch (Hugus Ditch)**
SPONSOR: Hugus Watershed improvement District
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $325,000
ACTUAL EXPENDITURES: $303,107
DESCRIPTION: Renovation of the existing ditch to improve several street crossings, improve overflow structures, and provide a concrete lining in that portion of the ditch which passes through the Town.
ENGINEER: PMPC Civil Engineers; Saratoga, WY
CONTRACTOR: Foster Construction Co., Inc.; Riverton, WY
YEAR COMPLETED: 2002
SESSION LAW YEAR: 2001

**235. PROJECT: Hulett Water Supply**
SPONSOR: Town of Hulett
LOCATION: Crook County
PROGRAM: New Development
APPROPRIATION: $250,000
ACTUAL EXPENDITURES: $246,635
DESCRIPTION: Pump, storage tank and pipeline
ENGINEER: Weston Engineering; Upton, WY
CONTRACTOR: S & S Builders; Gillette, WY
YEAR COMPLETED: 1994
SESSION LAW DATE: 1991

**236. PROJECT:** **Hunt Canal Rehabilitation**

| | |
|---|---|
| SPONSOR: | Hunt Irrigation District |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $650,000 |
| ACTUAL EXPENDITURES: | $640,000 |
| DESCRIPTION: | Diversion dam and headgate replacement, canal repairs |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | Nichols and Lewis; Lovell, WY |
| YEAR COMPLETED: | 1994 |
| SESSION LAW DATE: | 1990 |

**237. PROJECT:** **Hyattville Water Supply Project**

| | |
|---|---|
| SPONSOR: | Hyattville Improvement and Service District |
| LOCATION: | Big Horn County |
| PROGRAM: | New Construction |
| APPROPRIATION: | $835,000 |
| ACTUAL EXPENDITURES: | $793,424 |
| DESCRIPTION: | New transmission pipelines, pipeline connections to the new well and well house enclosure. This system does not have a water storage tank. It operates off of the wellhead pressure and flow. |
| ENGINEER: | Wester-Wetstein; Laramie, WY |
| CONTRACTOR: | Wilson Brothers Construction; Lovell, WY |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2006 |

**238. PROJECT:** **Indian Paintbrush Water Supply**

| | |
|---|---|
| SPONSOR: | Indian Paintbrush Water District |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $616,400 |
| ACTUAL EXPENDITURES: | $616,400 |
| DESCRIPTION: | Well and Transmission |
| ENGINEER: | Nelson Engineering, Jackson, WY |
| CONTRACTOR: | Westwood Curtis, Jackson, WY |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2015 |

**239. PROJECT:** **Indian Springs Water Supply**

| | |
|---|---|
| SPONSOR: | Indian Springs Improvement and Service District |
| LOCATION: | Natrona County |
| PROGRAM: | New Development |
| APPROPRIATION: | $150,000 |
| ACTUAL EXPENDITURES: | $107,713 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Hibsman Associates; Casper, WY |
| CONTRACTOR: | High Plains Construction; Mills, WY |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1992 |

**240. PROJECT:** **Iron Creek Rehabilitation**

| | |
|---|---|
| SPONSOR: | Shoshone/Deaver Irrigation Districts |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,500,000 |
| ACTUAL EXPENDITURES: | $1,500,000 |
| DESCRIPTION: | Tunnel repair |
| ENGINEER: | Harza Engineering Company; Denver, CO |
| CONTRACTOR: | Shoshone Irrigation District |
| YEAR COMPLETED: | 1987 |
| SESSION LAW DATE: | 1984 |

**241. PROJECT:** **Jackson Raw Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Jackson |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $450,000 |
| ACTUAL EXPENDITURES: | $450,000 |
| DESCRIPTION: | Irrigation and thaw wells, pipeline, and pumps |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | Thomas Drilling; Afton, WY |
| | G.M. Stewart Corporation; Evanston, WY |
| YEAR COMPLETED; | 2001 |
| SESSION LAW YEAR; | 1999 |

**242. PROJECT:** **Jackson Storage Tanks**

| | |
|---|---|
| SPONSOR: | Town of Jackson |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $4,000,000 |
| ACTUAL EXPENDITURES: | $3,509,230 |
| DESCRIPTION: | Replacement of two ground level storage tanks |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | MD Nursery & Landscaping; Driggs, ID |
| | Westwood Curtis Construction; Jackson, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2010 |

**243. PROJECT:** **Jackson Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Jackson |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,300,000 |
| ACTUAL EXPENDITURES: | $1,952,515 |
| DESCRIPTION: | Three new wells with control building |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | H-K Contractors, Inc.; Idaho Falls, ID |
| YEAR COMPLETED: | 1998 |
| SESSION LAW YEAR: | 1994 |

**244.** **PROJECT:** **Jamestown/Rio Vista Water Supply**
SPONSOR: Jamestown-Rio Vista Water and Sewer District
LOCATION: Sweetwater County
PROGRAM: New Development
APPROPRIATION: $4,288,000
ACTUAL EXPENDITURES: $3,151,287
DESCRIPTION: Transmission pipeline from the GR-RS-SC JPWB, transmission pipeline within District to provide water to areas that have not had access to system previously, and construct new storage tank
ENGINEER: Sunrise Engineering; Afton, WY
CONTRACTOR: Western Municipal Construction of Wyoming, Inc; Meeteetse, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2015

**245.** **PROJECT:** **Jeffrey City Water System Improvements**
SPONSOR: Jeffrey City Water & Sewer District
LOCATION: Freemont County
PROGRAM: New Development
APPROPRIATION: $418,750
ACTUAL EXPENDITURES: $352,526
DESCRIPTION: Well improvements, new well, storage tanks, piping and appurtenances
ENGINEER: 609 Consulting; Casper, WY
CONTRACTOR: Atnip Construction; Cody, WY
High Plains Construction; Casper, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2013

**246.** **PROJECT:** **Jon's Drop/Four Mile Flume Rehabilitation**
SPONSOR: Savery-Little Snake Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $142,000
ACTUAL EXPENDITURES: $ 90,254
DESCRIPTION: Renovation
ENGINEER: Merrill Engineering Consultants; WY
CONTRACTOR: Willies Dirt Service; Wamsutter WY
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2003

**247.** **PROJECT:** **Kaycee Replacement Tank**
SPONSOR: Town of Kaycee
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: $435,500
ACTUAL EXPENDITURES: $404,185
DESCRIPTION: Storage tank construction
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Dale Weaver Wyoming; Powell, WY
YEAR COMPLETED: 2017
SESSION LAW YEAR: 2015

**248. PROJECT:** **Kaycee Storage & Transmission**

| | |
|---|---|
| SPONSOR: | Town of Kaycee |
| LOCATION: | Johnson County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,350,000 |
| ACTUAL EXPENDITURES: | $1,174,883 |
| DESCRIPTION: | Storage tank, transmission pipeline, control valves |
| ENGINEER: | CEPI; Casper, WY |
| CONTRACTOR: | High Plains; Casper, WY |
| COMPLETION DATE | 4/21/2009 |
| SESSION LAW | 2006 |

**249. PROJECT:** **Kemmerer City Dam Rehabilitation**

| | |
|---|---|
| SPONSOR: | City of Kemmerer |
| LOCATION: | Lincoln County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $940,000 |
| ACTUAL EXPENDITURES: | $940,000 |
| DESCRIPTION: | Dam repair |
| ENGINEER: | Woodward-Clyde Consultants; Denver, CO |
| CONTRACTOR: | Nicholas Construction Company; Denver, CO |
| YEAR COMPLETED: | 1990 |
| SESSION LAW YEAR: | 1988, 1990 |

**250. PROJECT:** **Kemmerer-Diamondville Water System**

| | |
|---|---|
| SPONSOR: | Kemmerer-Diamondville Joint Power Water Board |
| LOCATION: | Lincoln |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,587,900 |
| ACTUAL EXPENDITURES: | $1,185,838 |
| DESCRIPTION: | Design and construction of a storage tank and pipeline |
| ENGINEER: | Sunrise Engineering, Afton, WY |
| CONTRACTOR: | Dale Cox Contracting, Manti, UT |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2015 |

**251. PROJECT:** **Kirby Ditch**

| | |
|---|---|
| SPONSOR: | Kirby Irrigation District |
| LOCATION: | Hot Springs County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $141,000 |
| ACTUAL EXPENDITURES: | $ 70,363 |
| DESCRIPTION: | Siphon, measuring devices |
| ENGINEER: | Soil Conservation Service; Worland, WY |
| CONTRACTOR: | Big Horn Red Mix; Greybull, WY |
| YEAR COMPLETED: | 1987 |
| SESSION LAW DATE: | 1984 |

**252. PROJECT:** **Kirby Ditch**

| | |
|---|---|
| SPONSOR: | Kirby Ditch Irrigation District |
| LOCATION: | Hot Springs County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $60,000 |

ACTUAL EXPENDITURES: $42,069
DESCRIPTION: Siphon and Wasteway
ENGINEER: Natural Resources Conservation Service, WY
CONTRACTOR: W.A.R., Inc.; Thermopolis, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR; 1999

**253. PROJECT: Kirby Municipal Project**
SPONSOR: Town of Kirby
LOCATION: Hot Springs County
PROGRAM: New Construction
APPROPRIATION: $608,000
ACTUAL EXPENDITURES: $203,357
DESCRIPTION: Construction of transmission pipelines and modifications to the town's storage tank.
ENGINEER: Engineering Associates; Thermopolis, WY
CONTRACTOR: Lamax Construction; Basin, WY
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2007

**254. PROJECT: Kirby Rehabilitation 2011**
SPONSOR: Kirby Irrigation District
LOCATION: Hot Springs County
PROGRAM: Rehabilitation
APPROPRIATION: $420,000
ACTUAL EXPENDITURES: $420,000
DESCRIPTION: Headgate rehabilitation and canal improvements
ENGINEER: Anderson Consulting Engineers; Fort Collins, CO
CONTRACTOR: Big Horn Redi Mix; Thermopolis, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2011

**255. PROJECT: LaBarge Water Supply**
SPONSOR: Town of LaBarge
LOCATION: Lincoln
PROGRAM: New Development
APPROPRIATION: $425,000*
ACTUAL EXPENDITURES: $398,170
DESCRIPTION: Design and construction of a river raw water intake system.
ENGINEER: Rendezvous Engineering, Jackson, WY
CONTRACTOR: Kilroy LLC, Afton, WY
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2011, 2016
*In 2016, $55,000 from the Sponsor's Contingency Fund was added to the original 2011 appropriation of $370,000.

**256. PROJECT: Lake Adelaide Reservoir Enlargement**
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: New Development
APPROPRIATION: $2,200,000
ACTUAL EXPENDITURES: $1,840,503
DESCRIPTION: Dam enlargement

ENGINEER: ESA Consultants, Inc.; Fort Collins, CO
CONTRACTOR: MRC, Inc.; Casper, WY
YEAR COMPLETED: 1992
SESSION LAW DATE: 1986

**257. PROJECT: Lake DeSmet Rehabilitation**
SPONSOR: Lake DeSmet Counties Coalition, JPB
LOCATION: Johnson County
PROGRAM: Rehabilitation
APPROPRIATION: $1,430,000
ACTUAL EXPENDITURES: $1,430,000
DESCRIPTION: Riprap, grading, sediment removal, piezometers
ENGINEER: WWC Engineering; Sheridan, WY
CONTRACTOR: Donnes Incorporated; Shepherd, MT
C&S Construction, Inc.; Billings, MT
Big Horn Welding, Inc.; Buffalo, WY
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2005, 2009

**258. PROJECT: Lake Hattie Dam**
SPONSOR: Pioneer Canal-Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $840,000.00
$282,000.00 (Sponsor's Contingency Fund, 2012)
ACTUAL EXPENDITURES: $1,083,172.21
DESCRIPTION: Replace outlet valves and reline outlet pipes.
ENGINEER: DOWL-HKM, Laramie WY
CONTRACTOR: Hamaker Excavation, Inc., Laramie WY
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2010
*Includes $282,000 Sponsor's Inflation Fund, Account II, 2013

**259. PROJECT: Lake Hattie Dam Rehabilitation**
SPONSOR: Pioneer Canal - Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $360,000
ACTUAL EXPENDITURES: $345,580
DESCRIPTION: Dam repair
ENGINEER: Western Water Consultants; Laramie, WY
CONTRACTOR: Domino Construction; Laramie, WY
YEAR COMPLETED: 1990
SESSION LAW DATE: 1988

**260. PROJECT: Lake Hattie Outlet Works**
SPONSOR: Pioneer Canal – Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $163,000
ACTUAL EXPENDITURES: $163,000
DESCRIPTION: New Outlet structure to prevent the buildup of sediment in the outlet pipes

ENGINEER: WWC Engineering
CONTRACTOR: Hamaker Excavation; Laramie, WY
Timberline Excavating; Sundance, WY
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2004

**261. PROJECT: Lake Hattie Supply Canal**
SPONSOR: Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $1,400,000
ACTUAL EXPENDITURES: $1,270,195
DESCRIPTION: Canal structures and alignment
ENGINEER: Western Water Consultants; Laramie, WY
CONTRACTOR: Bartlett Construction; Hanna, WY
Domson, Inc.; Torrington, WY
YEAR COMPLETED: 1996
SESSION LAW DATE: 1990

**262. PROJECT: Lakeview Improvement and Service District Water Supply**
SPONSOR: Lakeview Improvement and Service District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $390,000
ACTUAL EXPENDITURES: $314,185
DESCRIPTION: Transmission Pipelines
ENGINEER: Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR: Hedquist Construction, Inc., Casper, WY
YEAR COMPLETED: 2002
SESSION LAW YEAR: 2000

**263. PROJECT: Lakeview Irrigation District Rehabilitation 2014**
SPONSOR: Lakeview Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $154,770
ACTUAL EXPENDITURES: $154,770
DESCRIPTION: Replace a siphon
ENGINEER: Sage Engineering; Cody, WY
CONTRACTOR Wilson Brothers Construction; Lovell, WY
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2014

**264. PROJECT: Lakeview Irrigation District Rehabilitation 2016**
SPONSOR: Lakeview Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $194,300
ACTUAL EXPENDITURES: $194,300
DESCRIPTION: Replace a siphon

ENGINEER: Sage Engineering; Cody, WY
CONTRACTOR: Harris Trucking; Cody, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2016

**265. PROJECT: Lance Creek Water Rehabilitation**
SPONSOR: Lance Creek Water and Sewer District
LOCATION: Niobrara County
PROGRAM: Rehabilitation
APPROPRIATION: $327,900
ACTUAL EXPENDITURES: $327,900
DESCRIPTION: Pipeline, backflow prevention
ENGINEER: Western Water Consultants; Laramie, WY
CONTRACTOR: Excel Construction, Inc.; Sheridan, WY
YEAR COMPLETED: 2001
SESSION LAW DATE: 1997

**266. PROJECT: Lance Creek Well Connection**
SPONSOR: Lance Creek Water and Sewer District
LOCATION: Niobrara County
PROGRAM: New Development
APPROPRIATION: $170,000
ACTUAL EXPENDITURES: $0
DESCRIPTION: Connect Level II supply well to District's system; Project not completed
ENGINEER: N/A*
CONTRACTOR: N/A*
YEAR COMPLETED: N/A*
SESSION LAW YEAR: 2013
*Sponsor did not execute the WWDC Project Agreement. Funding reverted back into WWDA I.

**267. PROJECT: Lander Intake Facilities**
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $200,000
ACTUAL EXPENDITURES: $108,642
DESCRIPTION: Relocate and renovate intake structure
ENGINEER: Aspen Engineering, Inc.; Riverton, WY
CONTRACTOR: Excel Construction Inc.; Sheridan, WY
YEAR COMPLETED: 2002
SESSION LAW YEAR: 1999

**268. PROJECT: Lander Water Supply**
LEVEL: III
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: New Development
APPROPRIATION: $3,068,000
ACTUAL EXPENDITURES: $3,068,000
DESCRIPTION: Installation of transmission lines.

ENGINEER: Dowl, Lander, WY
CONTRACTOR: Patrick Construction, Lander, WY
YEAR COMPLETED: 2017
SESSION LAW YEAR: 2012

**269. PROJECT: Lander Water Supply Rehabilitation**
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $1,696,000
ACTUAL EXPENDITURES: $1,016,077
DESCRIPTION: Raw and treated transmission pipelines
ENGINEER: Aspen Engineering Inc.; Riverton, WY
CONTRACTOR: Excel Construction Inc.; Sheridan, WY
YEAR COMPLETED: 2002
SESSION LAW YEAR: 1999 & 2000

**270. PROJECT: Lander Worthen Meadows Dam Rehabilitation**
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $1,250,000
ACTUAL EXPENDITURES: $ 811,804
DESCRIPTION: Dam repair
ENGINEER: Versar; Riverton, WY
CONTRACTOR: C.J. Abbot; Casper, WY
YEAR COMPLETED: 1991
SESSION LAW YEAR; 1989

**271. PROJECT: LaPrele Rehabilitation**
SPONSOR: LaPrele Irrigation District
LOCATION: Converse County
PROGRAM: Rehabilitation
APPROPRIATION: $1,500,000
ACTUAL EXPENDITURES: $1,476,203
DESCRIPTION: Tunnel repair, canals
ENGINEER: Nelson Engineering; Jackson, WY
CONTRACTOR: Central Contractors, Inc.; Mills, WY
YEAR COMPLETED; 1985
SESSION LAW YEAR; 1984

**272. PROJECT: Laramie County Archer Water Supply**
SPONSOR: Laramie County
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $201,000
ACTUAL EXPENDITURES: $115,153
DESCRIPTION: Drilling, testing and completion of a production well
ENGINEER: Western R&D; Cheyenne, WY
Dahlgren Consulting, Inc.; Cheyenne, WY
CONTRACTOR: Sargent Irrigation; Broken Bow, NE
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2009

**273. PROJECT:** **Laramie East Side Tank**

| | |
|---|---|
| SPONSORS: | City of Laramie |
| LOCATION: | Albany County |
| PROGRAM: | New Development |
| APPROPRIATION: | $4,780,000 |
| ACTUAL EXPENDITURES: | $4,756,142 |
| DESCRIPTION: | The purpose of this project is to construct transmission lines, water storage facilities, and pump stations for the City of Laramie. |
| ENGINEER: | Wester-Wetstein; Laramie, WY |
| CONTRACTOR: | Reiman Corporation/Aslan Construction; Cheyenne, WY |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2002 |

**274. PROJECT:** **Laramie North Side Supply**

| | |
|---|---|
| SPONSOR: | City of Laramie |
| LOCATION: | Albany County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $4,240,000 |
| ACTUAL EXPENDITURES: | $3,919,670 |
| DESCRIPTION: | Design and construction of a transmission line in North Laramie, including cathodic protection and partial line replacement. This project also included design for the Laramie East Side Tank Project. |
| ENGINEER: | Aspen Banner for Laramie North design and construction and Wester-Wetstein for Laramie East Side Tank Project design. |
| CONTRACTOR: | Excel Construction, Inc.; Sheridan, WY |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2000, 2001, 2002 |

**275. PROJECT:** **Laramie Rehabilitation**

| | |
|---|---|
| SPONSOR: | City of Laramie |
| LOCATION: | Albany County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,750,000 |
| ACTUAL EXPENDITURES: | $1,546,216 |
| DESCRIPTION: | Replacement of water supply pipelines; New pumphouse; Reservoir rehabilitation |
| ENGINEER: | Western Water Consultants; Laramie, WY<br>Wester-Wetstein & Associates; Laramie WY |
| CONTRACTOR: | Johnson's Pump and Excavating; Wheatland, WY Domino Construction, Laramie, WY; High Plains Construction; Mills, WY; Bartlett Inc.; Hanna, WY |
| YEAR COMPLETED: | 1999 |
| SESSION LAW YEAR: | 1995, 1996 |

**276. PROJECT:** **Laramie Rivers**

| | |
|---|---|
| SPONSOR: | Pioneer Canal-Lake Hattie Irrigation District |
| LOCATION: | Albany County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $165,000 |
| ACTUAL EXPENDITURES: | $165,000 |
| DESCRIPTION: | Refinanced existing loans |

ENGINEER: NA
CONTRACTOR: NA
DATE COMPLETED: 1988
SESSION LAW DATE: 1987

**277. PROJECT: Laramie Transmission Pipeline**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $10,850,000
ACTUAL EXPENDITURES: $ 8,483,915
DESCRIPTION: Transmission pipeline from the Laramie River to the City of Laramie water treatment plant.
ENGINEER: DOWL-HKM, Laramie WY
CONTRACTOR: TIC, Denver CO
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2009, 2012

**278. PROJECT: Laramie Transmission Pipeline and Pioneer Canal Diversion**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $4,945,000
ACTUAL EXPENDITURES: $4,237,768
ENGINEER: Banner & Associates; Laramie WY
Western Water Consultants; Laramie, WY
CONTRACTOR: Bartlett Construction; Hanna, WY
TIC; Casper, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

**279. PROJECT: Laramie Water Management Project (meters)**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $97,150
ACTUAL EXPENDITURES: $70,422
DESCRIPTION: Replacement of transmission main meters
ENGINEER: Camp Creek Engineering; Laramie, WY
CONTRACTOR: Six Point Solutions, LLC; Laramie, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2006

**280. PROJECT: Laramie Water Supply**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $4,400,000
ACTUAL EXPENDITURES: $3,124,801

ENGINEER: Western Water Consultants; Laramie WY
CONTRACTOR: High Plains Construction; Casper, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1995, 1996

**281. PROJECT: Laramie West Storage**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $2,950,000
ACTUAL EXPENDITURES: $2,852,065
ENGINEER: Wester-Wetstein & Associates; Laramie WY
CONTRACTOR: High Plains Construction; Casper, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1999

**282. PROJECT: LeClair Irrigation District Rehabilitation 2016**
SPONSOR: LeClair Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $760,000
ACTUAL EXPENDITURES: $ 0
DESCRIPTION: Replace diversion structure
ENGINEER: None
CONTRACTOR None
YEAR COMPLETED: 2017*
SESSION LAW YEAR: 2016
*Following the 2016 Legislature appropriating funding for the diversion structure, the District identified three sections of irrigation canals that were experiencing significant seepage loses. The District elected to revert the 2016 appropriation (reverted on July 1, 2017) and seek new funding to address the seepage issue (LeClair Irrigation District Rehabilitation 2017 project).

**283. PROJECT: LeClair Irrigation District Rehabilitation 2017**
SPONSOR: LeClair Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $1,530,910
ACTUAL EXPENDITURES: $ 677,597
DESCRIPTION: Design and construction of canal lining
ENGINEER: HDR, Lander, WY
CONTRACTOR: Granite Peak Construction Services, Inc.; Casper, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2017

**284. PROJECT: LeClair Irrigation Rehabilitation**
SPONSOR: LeClair Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $470,000
ACTUAL EXPENDITURES: $442,845
DESCRIPTION: Canal repairs

ENGINEER: Crank Company, Inc.; Kemmerer, WY
CONTRACTOR: Foster Construction Company, Inc.; Riverton, WY
YEAR COMPLETED: 1990
SESSION LAW YEAR: 1989

**285. PROJECT: LeClair Lateral**
SPONSOR: LeClair Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $750,000
ACTUAL EXPENDITURES: $361,342
DESCRIPTION: Lateral open ditches replacement with pipelines.
ENGINEER: Apex Surveying - R.D. Connell and Associates; Riverton, WY
CONTRACTOR: LeClair Irrigation District; Riverton, WY
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1994

**286. PROJECT: LeClair Laterals Rehabilitation**
LEVEL: III
SPONSOR: LeClair Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $565,000
ACTUAL EXPENDITURES: $426,376
DESCRIPTION: Various work on laterals
ENGINEER: APEX Surveying; Riverton, WY
MATERIALS: Killebrew Irrigation, Inc.; Lander, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2003

**287. PROJECT: Lingle Water Supply Phase II**
SPONSOR: Town of Lingle
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $711,000
ACTUAL EXPENDITURES: $693,035
DESCRIPTION: Higher elevation standpipe, upgrade pipelines
ENGINEER: BenchMark of Torrington, P.C.; Torrington, WY
CONTRACTOR: Strong Construction, Inc.; Torrington, WY
YEAR COMPLETED: 2005
SESSION LAW DATE: 2002

**288. PROJECT: Lingle Water Supply System Rehabilitation**
SPONSOR: Town of Lingle
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $400,000
ACTUAL EXPENDITURES: $312,228
DESCRIPTION: Upgrade transmission pipelines
ENGINEER: BenchMark of Torrington, P.C.; Torrington, WY
CONTRACTOR: Scott and Son, Inc.; Torrington, WY
YEAR COMPLETED: 2001
SESSION LAW DATE: 1999

**289. PROJECT:** **Little Snake Diversions**

| | |
|---|---|
| SPONSOR: | Savery – Little Snake River Conservancy District |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $2,756,370 |
| ACTUAL EXPENDITURES: | $2,740,953 |
| DESCRIPTION: | Reconstruction of existing surface water diversions |
| ENGINEER: | S-LSRCD |
| CONTRACTOR: | Willies Dirt Service, Inc., Baggs, WY |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2006/2010/2012 |

**290. PROJECT:** **Little Snake Rehabilitation**

| | |
|---|---|
| SPONSOR: | Little Snake Conservancy District |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $2,700,000 |
| ACTUAL EXPENDITURES: | $2,700,000 |
| DESCRIPTION: | Diversion Dam Replacements and Canal Repairs |
| ENGINEER: | States West Inc.; Cheyenne, WY |
| CONTRACTOR: | Bartlett Construction; Hanna, WY |
| YEAR COMPLETED: | 1998 |
| SESSION LAW YEAR: | 1993 |

**291. PROJECT:** **Little Snake Rehabilitation 2011**

| | |
|---|---|
| SPONSOR: | Savery-Little Snake River Water Conservancy District |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $154,100 |
| ACTUAL EXPENDITURES: | $85,622 |
| DESCRIPTION: | Canal rehabilitation |
| ENGINEER: | NRCS, Baggs, WY |
| CONTRACTOR: | HB Lee Construction; Baggs, WY |
| YEAR COMPLETED: | 2016 |
| SESSION LAW YEAR: | 2011 |

**292. PROJECT:** **Little Snake River Small Dams & Reservoirs**

| | |
|---|---|
| SPONSOR: | Little Snake River Conservation District |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $265,000 |
| ACTUAL EXPENDITURES: | $265,000 |
| DESCRIPTION: | Construction of two small dams and reservoirs |
| ENGINEER: | Rio Verde Engineering; Pinedale, WY |
| CONTRACTOR: | Willies Dirt Service; Wamsutter, WY |
| YEAR COMPLETED: | 2001 |
| SESSION LAW YEAR: | 1999, 2001 |

**293. PROJECT:** **Little Snake River Small Dams & Reservoirs**

| | |
|---|---|
| SPONSOR: | Little Snake River Conservation District |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $852,000 |

| | |
|---|---|
| ACTUAL EXPENDITURES: | $846,156 |
| DESCRIPTION: | Construction of four small dams and reservoirs |
| ENGINEER: | Sponsor, Baggs, WY |
| CONTRACTOR: | Willies Dirt Service; Wamsutter, WY |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 1999, 2001, 2006, 2008 |

**294. PROJECT: Lovell Canal Rehabilitation 2014**

| | |
|---|---|
| SPONSOR: | Lovell Irrigation District |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $889,000 |
| ACTUAL EXPENDITURES: | $613,158 |
| DESCRIPTION: | Pipe Phase IV of Bench Lateral |
| ENGINEER: | Pryor Mountain Engineering, Cowley, WY |
| MATERIALS: | Big Horn Truck & Equipment, Manderson, WY |
| YEAR COMPLETED: | 2016 |
| SESSION LAW YEAR: | 2014 |

**295. PROJECT: Lovell Irrigation District Rehabilitation**

| | |
|---|---|
| SPONSOR: | Lovell Irrigation District |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $820,000 |
| ACTUAL EXPENDITURES: | $749,958 |
| DESCRIPTION: | Canal Repairs |
| ENGINEER: | Soil Conservation Service; Casper, WY |
| CONTRACTOR: | Nichols & Lewis, Inc.; Lovell, WY<br>C. A. Wilson Construction Company; Cowley, WY<br>Jerry's Irrigation and Drainage, Inc.; Powell, WY<br>Dale Weaver, Inc.; Worland, WY |
| YEAR COMPLETED: | 1990 |
| SESSION LAW DATE: | 1985 |

**296. PROJECT: Lovell Rehabilitation 2009**

| | |
|---|---|
| SPONSOR: | Lovell Irrigation District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $432,000 |
| ACTUAL EXPENDITURES: | $427,339 |
| DESCRIPTION: | Pipe two segments of Bench Lateral |
| ENGINEER: | Sage Civil Engineering; Cody, WY<br>Pryor Mountain Engineering; Cowley, WY |
| CONTRACTOR: | Lovell Irrigation District |
| MATERIALS: | J&E Irrigation, Inc.; Basin, WY<br>Waterworks Irrigation, Inc.; Ralston, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**297. PROJECT:** **Lovell Rehabilitation 2012**

| | |
|---|---|
| SPONSOR: | Lovell Irrigation District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $299,000 |
| ACTUAL EXPENDITURES: | $299,000 |
| DESCRIPTION: | Pipe one segment of Bench Lateral |
| ENGINEER: | Pryor Mountain Engineering, Cowley, WY |
| CONTRACTOR: | James Hinckley, Inc., Cowley, WY |
| MATERIALS: | Waterworks Irrigation, Inc., Ralston, WY |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2012, 2013 |

**298. PROJECT:** **Lovell Tank/Zone 2 Improvements**

| | |
|---|---|
| SPONSOR: | Town of Lovell |
| LOCATION: | Big Horn |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,700,100 |
| ACTUAL EXPENDITURES: | $2,165,220 |
| DESCRIPTION: | 400,000-gallon water storage tank, transmission pipeline and pump station |
| ENGINEER: | DOWL, Sheridan, WY |
| CONTRACTOR: | Wilson Brothers, Lovell, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2015/2016 |

**299. PROJECT:** **Lovell Transmission Pipeline**

| | |
|---|---|
| SPONSOR: | Town of Lovell |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,299,800 |
| ACTUAL EXPENDITURES: | $1,086,734 |
| DESCRIPTION: | Transmission pipelines |
| ENGINEER: | DOWL HKM; Lovell, WY |
| CONTRACTOR: | Wilson Brothers Construction; Cowley, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2008 |

**300. PROJECT:** **Lovell Transmission Pipeline**

| | |
|---|---|
| SPONSOR: | Town of Lovell |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $770,500 |
| ACTUAL EXPENDITURES: | $668,022 |
| DESCRIPTION: | Transmission pipeline construction |
| ENGINEER: | DOWL; Sheridan, WY |
| CONTRACTOR: | Wilson Brothers; Cowley, WY |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2012, 2013 |

**301. PROJECT:** **Lusk Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Lusk |
| LOCATION: | Niobrara County |
| PROGRAM: | New Development |
| APPROPRIATION: | $709,000 |
| ACTUAL EXPENDITURES: | $550,982 |
| DESCRIPTION: | Transmission pipelines, storage tank, pump, controls |
| ENGINEER: | MK Centennial Engineering, Inc.; Cheyenne, WY |
| CONTRACTOR: | Western Municipal Construction, Inc.; Billings, MT |
| YEAR COMPLETED: | 1998 |
| SESSION LAW DATE: | 1996 |

**302. PROJECT:** **Lusk Water System Improvements 2018**

| | |
|---|---|
| SPONSOR: | Town of Lusk |
| LOCATION: | Niobrara County |
| PROGRAM: | New Development |
| APPROPRIATION: | $546,050 |
| ACTUAL EXPENDITURES: | $289,126 |
| DESCRIPTION: | Replacement Well |
| ENGINEER: | AVI Engineering; Cheyenne, WY |
| CONTRACTOR: | DC Drilling; Lusk, WY |
| YEAR COMPLETED: | 2020 |
| SESSION LAW YEAR: | 2018 |

**303. PROJECT:** **Lusk Well**

| | |
|---|---|
| SPONSOR: | Town of Lusk |
| LOCATION: | Niobrara County |
| PROGRAM: | New Development |
| APPROPRIATION: | $415,000 |
| ACTUAL EXPENDITURES: | $359,037 |
| DESCRIPTION: | Lusk Well No. 10 |
| ENGINEER: | M. C. Schaff & Associates; Douglas, WY |
| CONTRACTOR: | Sargent Drilling, Inc.; Broken Bow, NE |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2007 |

**304. PROJECT:** **Lyman Springs Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Lyman |
| LOCATION: | Uinta County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $255,000 |
| ACTUAL EXPENDITURES: | $255,000 |
| DESCRIPTION: | Springs renovation and pumping station |
| ENGINEER: | Forsgren Associates, Inc.; Evanston, WY |
| CONTRACTOR: | X-it Construction, Inc.; Lyman, WY<br>S.C.I. Inc.; Lyman, WY |
| YEAR COMPLETED: | 1999 |
| SESSION LAW YEAR: | 1996 |

**305. PROJECT:** **Manville Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Manville |
| LOCATION: | Niobrara County |
| PROGRAM: | New Development |
| APPROPRIATION: | $69,000 |
| ACTUAL EXPENDITURES: | $67,104 |
| DESCRIPTION: | New well and supply pipeline |
| ENGINEER: | Western Water Consultants; Laramie WY |
| CONTRACTOR: | Landkammer Trenching; Lance Creek, WY |
| YEAR COMPLETED: | 2002 |
| SESSION LAW YEAR: | 1998 |

**306. PROJECT:** **Manville Well Connection**

| | |
|---|---|
| SPONSOR: | Town of Manville |
| LOCATION: | Niobrara County |
| PROGRAM: | New Development |
| APPROPRIATION: | $490,000 |
| ACTUAL EXPENDITURES: | $268,522 |
| DESCRIPTION: | Connect Level II supply well to Town's system |
| ENGINEER: | WWC Engineering; Laramie, WY |
| CONTRACTOR: | DC Drilling, LLC; Lusk, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2014 |

**307. PROJECT:** **McKenney Water Supply**

| | |
|---|---|
| SPONSOR: | McKenney I&S District |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $140,000 |
| ACTUAL EXPENDITURES: | $109,107 |
| DESCRIPTION: | Transmission pipelines |
| ENGINEER: | TSP TWO, Inc.; Gillette, WY |
| CONTRACTOR: | Larry's Inc.; Gillette, WY |
| YEAR COMPLETED: | 1996 |
| SESSION LAW YEAR: | 1994 |

**308. PROJECT:** **McNutt Water Supply**

| | |
|---|---|
| SPONSOR: | McNutt Improvement and Service District |
| LOCATION: | Washakie County |
| PROGRAM: | New Development |
| APPROPRIATION: | $25,000 |
| ACTUAL EXPENDITURES: | $23,317 (Level II) |
| DESCRIPTION: | Potable water delivery system. |
| ENGINEER: | BRS, Inc.; Riverton, WY |
| CONTRACTOR: | None |
| YEAR COMPLETED: | N.A. |
| SESSION LAW YEAR: | 1999 |

**309. PROJECT:** **Meade Creek Ditch Rehabilitation**

| | |
|---|---|
| SPONSOR: | Meade Creek Ditch Company Irrigation District |
| LOCATION: | Sheridan County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $401,250 |

ACTUAL EXPENDITURES: $267,500
DESCRIPTION: Directional Drilled Pipe Drop through Tunnel Hill
ENGINEER: Natural Resources Conservation Service
OWNER'S REPRESENTATIVE: EnTech, Inc.; Sheridan, WY
CONTRACTOR: Fletcher Construction; Sheridan, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005, 2006

**310. PROJECT: Means Water Supply**
SPONSOR: Means First Extension W&S District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $225,000
ACTUAL EXPENDITURES: $212,253
DESCRIPTION: Pump station improvements, storage tank, and transmission pipeline
ENGINEER: Bruce Engineering Services; Gillette, WY
CONTRACTOR: DRM, Inc.; Gillette, WY
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1994

**311. PROJECT: Medicine Bow Transmission Pipeline**
SPONSOR: Town of Medicine Bow
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $1,052,000
ACTUAL EXPENDITURES: $959,502
DESCRIPTION: Transmission pipeline construction
ENGINEER: Sunrise Engineering; Cheyenne, WY
CONTRACTOR: Redpoint Contracting; Phoenix, AZ
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2014

**312. PROJECT: Meeteetse Storage Tank Rehabilitation**
SPONSOR: Town of Meeteetse
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $125,000
ACTUAL EXPENDITURES: $104,831
DESCRIPTION: Repainting of an existing potable water storage tank.
ENGINEER: James Gores and Associates; Riverton, WY
CONTRACTOR: Eastern Colorado Builders, Inc.; Colorado Springs, CO
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2005

**313. PROJECT: Meeteetse Tank/SCADA/Retrofit**
SPONSOR: Town of Meeteetse
LOCATION: Park County
PROGRAM: New Development
APPROPRIATION: $93,800
ACTUAL EXPENDITURES: $93,799
DESCRIPTION: Upgrade main tank vault and modernize SCADA system

ENGINEER: James Gores and Associates, Inc.; Riverton, WY
CONTRACTOR: Dale Weaver Wyoming, LLC; Powell, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2016

**314. PROJECT: Meeteetse Water Supply**
SPONSOR: Town of Meeteetse
LOCATION: Park County
PROGRAM: New Development
APPROPRIATION: $333,000
ACTUAL EXPENDITURES: $333,000
DESCRIPTION: New intake structure, raw water pipeline, and finished water pipeline
ENGINEER: Sear –Brown; Fort Collins, CO
CONTRACTOR: LAMAX Construction; Basin, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

**315. PROJECT: Midvale Bull Lake Rehabilitation 2015**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $2,653,200
ACTUAL EXPENDITURES: $0
DESCRIPTION: Dam and Spillway Rehabilitation, completed by BOR and WWDC funds not used
ENGINEER: NA
CONTRACTOR: NA
YEAR COMPLETED: NA
SESSION LAW YEAR: 2015

**316. PROJECT: Midvale Canal Rehabilitation**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $230,000
ACTUAL EXPENDITURES: $165,890
DESCRIPTION: Wyoming Canal 2nd Division Drop Structure Replacement
ENGINEER: APEX Surveying; Riverton, WY
MATERIALS: Cretex Concrete Products; Casper WY
Pacific Steel & Recycling; Mills WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2007

**317. PROJECT: Midvale Conservation/Automation**
LEVEL: III
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $542,700
ACTUAL EXPENDITURES: $521,127
DESCRIPTION: Automation of canal

ENGINEER: Anderson; Fort Collins CO
CONTRACTOR: Midvale Irrigation District
MATERIALS: Flowmation; Fort Collins CO
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2006

**318. PROJECT: Midvale Diversion Dam Rehabilitation**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $138,000
ACTUAL EXPENDITURES: $127,842
DESCRIPTION: Replace gearboxes on Diversion Dam headgates
ENGINEER: Anderson Consulting Engineers, Inc.; Fort Collins, CO
CONTRACTOR: Midvale Irrigation District
MATERIALS: Advanced Hydraulics & Machine; Casper, WY
DATE COMPLETED: 2008
SESSION LAW DATE: 2005

**319. PROJECT: Midvale Irrigation District Rehabilitation 2018**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $995,000.00
ACTUAL EXPENDITURES: $726,307.64
DESCRIPTION: Replacement of 27A and 31.7 lateral to pipe
ENGINEER: APEX Surveying Inc; Riverton, WY
CONTRACTOR: Midvale Irrigation District; Pavillion, WY
YEAR COMPLETED: 2020
SESSION LAW YEAR: 2018

**320. PROJECT: Midvale Pilot 27.0 A Lateral 2017**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $355,000.00
ACTUAL EXPENDITURES: $204,843.66
DESCRIPTION: Convert open channel canal to pipeline. Provided construction materials only.
ENGINEER: APEX Surveying, Inc., Riverton, WY
CONTRACTOR: Midvale Irrigation District
MATERIALS: Big Horn Trucking and Equipment, Manderson, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2017

**321. PROJECT: Midvale Rehabilitation 2010**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $263,000
ACTUAL EXPENDITURES: $207,530
DESCRIPTION: Wyoming Lateral 44.1 pipeline

ENGINEER: Natural Resources Conservation District; Casper, WY
APEX Surveying; Riverton, WY
CONTRACTOR: Midvale Irrigation District
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2010

**322. PROJECT: Midvale Rehabilitation 2011**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $450,000
ACTUAL EXPENDITURES: $307,273
DESCRIPTION: Pavillion Main East Project
ENGINEER: APEX Surveying; Riverton, WY
CONTRACTOR: Midvale Irrigation District
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2011

**323. PROJECT: Midvale Rehabilitation 2012**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $945,000
ACTUAL EXPENDITURES: $462,934
DESCRIPTION: Replace ditch with buried pipe on Wyoming Lateral 15.1
ENGINEER: APEX Surveying; Riverton; WY
MATERIALS: Big Horn Truck & Equipment; Manderson, WY
YEAR COMPLETED: 2014
SESSION LAW YEAR: 2012

**324. PROJECT: Midvale Rehabilitation 2013**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $381,000
ACTUAL EXPENDITURES: $304,083
DESCRIPTION: Replace Wyoming Canal 37.2 Drop Structure
ENGINEER: APEX Surveying, Riverton, WY
MATERIALS: Ferguson Enterprises, Casper, WY
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2013, 2015

**325. PROJECT: Midvale Sand Butte 2 Lateral**
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $420,000
ACTUAL EXPENDITURES: $420,000
DESCRIPTION: Headgate rehabilitation and canal improvements
ENGINEER: APEX Surveying, Inc.; Riverton, WY
CONTRACTOR: Ferguson Enterprises, Inc.; Casper, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2016

**326. PROJECT:** **Midvale Sand Mesa Pipeline**

| | |
|---|---|
| SPONSOR: | Midvale Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $3,000,000 |
| ACTUAL EXPENDITURES: | $2,900,879 |
| DESCRIPTION: | Gravity pressure irrigation delivery pipeline |
| ENGINEER: | Natural Resources Conservation Service<br>R. D. Connell & Associates; Riverton, WY |
| CONTRACTOR: | Midvale Irrigation District |
| DATE COMPLETED: | 1999 |
| SESSION LAW DATE: | 1995 |

**327. PROJECT:** **Midwest Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Midwest |
| LOCATION: | Natrona County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $100,000 |
| ACTUAL EXPENDITURES: | $100,000 |
| DESCRIPTION: | Pipeline |
| ENGINEER: | Geocivil Engineers, Inc.; Casper, WY |
| CONTRACTOR: | La Max Construction; Basin, WY |
| YEAR COMPLETED: | 1988 |
| SESSION LAW YEAR: | 1986 |

**328. PROJECT:** **Mile-Hi Water Supply Project**

| | |
|---|---|
| SPONSOR: | Mile-Hi Improvement and Service District |
| LOCATION: | Natrona County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,015,360 |
| ACTUAL EXPENDITURES: | $595,593 |
| DESCRIPTION: | Design and construction of transmission pipelines within the district. |
| ENGINEER: | 609 Consulting, LLC; Casper, WY |
| CONTRACTOR: | Grizzly Excavating and Construction, LLC; Casper, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**329. PROJECT:** **Moorcroft Madison Well Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Moorcroft |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $3,865,900 |
| ACTUAL EXPENDITURES: | $2,826,323 |
| DESCRIPTION: | Well pump, storage tank, booster pump station, generator, pipeline to town, SCADA. |
| ENGINEER: | Weston Engineering; Upton, WY |
| CONTRACTOR: | Western Municipal Construction; Sheridan, WY<br>Excel Construction; Sheridan, WY<br>Engineering America, Inc.; Loveland, CO<br>Electrofab, Inc.; Gillette, WY |
| DATE COMPLETED: | 2013 |
| SESSION LAW DATE: | 2003, 2008, 2011 |

**330. PROJECT:** **Moorcroft Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Moorcroft |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $930,000 |
| ACTUAL EXPENDITURES: | $853,767 |
| DESCRIPTION: | Wells, pipeline, and storage tank |
| ENGINEER: | Weston Engineering; Upton, WY |
| CONTRACTOR: | Hot Iron, Inc.; Gillette, WY |
| | Williams Drilling Co.; Gillette, WY |
| DATE COMPLETED: | 1997 |
| SESSION LAW DATE: | 1994 |

**331. PROJECT:** **Muddy Guard**

| | |
|---|---|
| SPONSOR: | North Fork Irrigation District |
| LOCATION: | Johnson County |
| PROGRAM: | New Development |
| APPROPRIATION: | $600,000 |
| ACTUAL EXPENDITURES: | $600,000 |
| DESCRIPTION: | Purchase of minimum pool in storage |
| ENGINEER: | NA |
| CONTRACTOR: | NA |
| SESSION LAW YEAR: | 1982 |

**332. PROJECT:** **Natrona County Regional Rehabilitation**

| | |
|---|---|
| SPONSOR: | Central Wyoming Water System JPB |
| LOCATION: | Natrona County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $5,357,000 |
| ACTUAL EXPENDITURES: | $5,357,000 |
| DESCRIPTION: | Wellfield, pipeline and storage tank rehabilitation |
| ENGINEER: | CH2M Hill; Denver, CO |
| CONTRACTOR | Lillard & Clark; Denver, CO |
| Completion Date | June 2002 |
| Session Law | 1995-1998 |

**333. PROJECT:** **Natrona County Regional Water Supply**

| | |
|---|---|
| SPONSOR: | Central Wyoming Regional Water System JPB |
| LOCATION: | Natrona County |
| PROGRAM: | New Development |
| APPROPRIATION: | $26,750,000 |
| ACTUAL EXPENDITURES: | $25,421,545 |
| DESCRIPTION: | Transmission Pipelines, storage tanks, pumping stations, disinfection facilities and appurtenances |
| ENGINEER: | CH2M Hill; Denver, CO |
| CONTRACTOR: | Lillard & Clark; Denver, CO |
| | Hedquist Construction, Inc.; Casper, WY |
| | JTL Group, Inc.; Casper, WY |
| | High Plains Construction, Inc.; Casper, WY |
| COMPLETION DATE: | June 2002 |
| SESSION LAW: | 1995-1998 |

**334. PROJECT:** **Natrona County Regional Water Treatment Project**

| | |
|---|---|
| SPONSOR: | Natrona County Regional Water System JPB |
| LOCATION: | Natrona County |
| PROGRAM: | Public Purpose Investment |
| APPROPRIATION: | $23,000,000 (permanent mineral trust fund loan) |
| ACTUAL EXPENDITURES: | $23,000,000 |
| DESCRIPTION: | Increase capacity of existing water treatment plant, improve facilities of second water treatment plant, and implement a well head protection program |
| ENGINEER: | CH2M Hill; Denver, CO |
| CONTRACTOR: | Lillard & Clark; Denver, CO<br>Hedquist Construction, Inc.; Casper, WY<br>JTL Group, Inc.; Casper, WY<br>High Plains Construction, Inc.; Casper, WY |
| COMPLETION DATE: | 2000 |
| SESSION LAW: | 1995 |

**335. PROJECT:** **Newcastle 2015**

| | |
|---|---|
| SPONSOR: | City of Newcastle |
| LOCATION: | Weston County |
| PROGRAM: | New Development |
| APPROPRIATION: | $ 616,400 |
| ACTUAL EXPENDITURES: | $ 616,400 |
| DESCRIPTION: | Transmission pipeline; pumping equipment; pump house; and pressure control buildings. |
| ENGINEER: | Camp Creek Engineering, Laramie, WY |
| CONTRACTOR: | Hot Iron Inc., Gillette, WY |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2015 |

**336. PROJECT:** **Newcastle Area Water Supply**

| | |
|---|---|
| SPONSOR: | City of Newcastle |
| LOCATION: | Weston County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,200,000 |
| ACTUAL EXPENDITURES: | $1,472,099 |
| DESCRIPTION: | Four pressure reducing stations, booster pump station, and pipeline to storage tank. |
| ENGINEER: | Wester-Wetstein & Associates, Inc.; Laramie, WY<br>City of Newcastle; Newcastle, WY |
| CONTRACTOR: | Sundance Plumbing and Heating; Newcastle, WY<br>DRM, Inc.; Gillette, WY |
| DATE COMPLETED: | 2006 |
| SESSION LAW DATE: | 2000, 2004 |

**337. PROJECT:** **Nine Mile Water Supply**

| | |
|---|---|
| SPONSOR: | Nine Mile Water and Sewer District |
| LOCATION: | Albany County |
| PROGRAM: | New Development |
| APPROPRIATION: | $920,000 |
| ACTUAL EXPENDITURES | $526,699 |

| | | |
|---|---|---|
| | DESCRIPTION: | Water main system including taps to City of Laramie transmission lines, control house, a booster pump station, and transmission mains. |
| | ENGINEER: | WWC Engineering; Laramie, WY |
| | CONTRACTOR: | Strong Construction; Torrington, WY |
| | COMPLETION DATE: | 2003 |
| | SESSION LAW: | 2000 |
| **338.** | **PROJECT:** | **North Alpine** |
| | SPONSOR: | North Alpine Improvement and Service District |
| | LOCATION: | Lincoln County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $257,000 |
| | ACTUAL EXPENDITURES | $254,761 |
| | DESCRIPTION: | Water system including new wells, buried storage transmission lines, control house and pump station. |
| | ENGINEER: | Sunrise Engineering; Afton, WY<br>Rendezvous Engineering; Jackson, WY |
| | CONTRACTOR: | VanDeburg Excavation; Thayne, WY<br>Thomas Drilling; Afton, WY |
| | COMPLETION DATE: | October 2005 |
| | SESSION LAW: | 2003 |
| **339.** | **PROJECT:** | **North Fork Crazy Woman Rehabilitation** |
| | SPONSOR: | Crazy Woman Watershed Improvement District |
| | LOCATION: | Johnson County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $650,000 |
| | ACTUAL EXPENDITURES: | $471,366 |
| | DESCRIPTION: | Canal improvements, pipeline |
| | ENGINEER: | HKM Associates; Sheridan, WY |
| | CONTRACTOR: | S&S Builders; Gillette, Wyoming<br>Mollinax Concrete Service Company; Sheridan, WY |
| | YEAR COMPLETED: | 1995 |
| | SESSION LAW YEAR: | 1992 |
| **340.** | **PROJECT:** | **North Platte Gages** |
| | SPONSOR: | State Engineer's Office |
| | LOCATION: | Carbon, Converse, Goshen and Natrona Counties |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $850,000 |
| | ACTUAL EXPENDITURES: | $790,000 |
| | DESCRIPTION: | Six (6) major stream gaging stations on the North Platte River and tributaries |
| | ENGINEER: | States West Water Resources; Cheyenne, WY |
| | CONTRACTOR: | Bartlett Construction; Hanna, WY<br>High County Construction; Casper, WY<br>Rieman Construction; Cheyenne, WY |
| | YEAR COMPLETED: | 1996 |
| | SESSION LAW YEAR: | 1989 |

**341. PROJECT:** **North Uinta/Bear River Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Bear River |
| LOCATION: | Uinta County |
| PROGRAM: | New Development |
| APPROPRIATION: | $580,000 |
| ACTUAL EXPENDITURES: | $580,000 |
| DESCRIPTION: | Buried concrete storage tank, pump house renovation, and transmission lines. |
| ENGINEER: | Cook/Sanders Associates; Evanston, WY |
| CONTRACTOR: | JASCO Construction; South Weber, UT<br>Kilroy and Company; Alpine, WY |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2003 |

**342. PROJECT:** **Northwest Rural Northern Expansion**

| | |
|---|---|
| SPONSOR: | Northwest Rural Water District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $3,690,025 |
| ACTUAL EXPENDITURES: | $2,642,976 |
| DESCRIPTION: | Design and construction of a transmission pipeline. |
| ENGINEER: | Engineering Associates |
| CONTRACTOR: | Western Municipal Construction of Wyoming, Inc. |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2012 |

**343. PROJECT:** **Northwest Rural Water Storage**

| | |
|---|---|
| SPONSOR: | Northwest Rural Water District |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,120,000 |
| ACTUAL EXPENDITURES: | $1,111,506 |
| DESCRIPTION: | Add eight buried fiberglass tanks over five sites. |
| ENGINEER: | Engineering Associates, Inc.; Cody, WY |
| CONTRACTOR: | Hot Iron, Inc.; Gillette, WY |
| DATE COMPLETED: | 2005 |
| SESSION LAW DATE: | 2003 |

**344. PROJECT:** **Northwest Rural Water Storage II**

| | |
|---|---|
| SPONSOR: | Northwest Rural Water District |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,960,000 |
| ACTUAL EXPENDITURES: | $2,817,207 |
| DESCRIPTION: | Garland area expansion, added storage at Sage Creek. |
| ENGINEER: | Engineering Associates, Inc.; Cody, WY |
| CONTRACTOR: | LaMax Construction, Inc.; Basin, WY |
| DATE COMPLETED: | 2009 |
| SESSION LAW DATE: | 2006 |

**345. PROJECT:** **Northwest Rural Water System Improvements 2018**

| | |
|---|---|
| SPONSOR: | Northwest Rural Water District |
| LOCATION: | Big Horn and Park County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,076,690 |
| ACTUAL EXPENDITURES: | $1,009,330 |
| DESCRIPTION: | Design and construction of new storage tanks, transmission pipelines |
| ENGINEER: | DOWL, Sheridan, WY |
| CONTRACTOR: | Nicholson Dirt Contracting; Cody, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2018 |

**346. PROJECT:** **North Wright Transmission Line**

| | |
|---|---|
| SPONSOR: | Wright Water & Sewer District |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $434,000 |
| ACTUAL EXPENDITURES: | $428,743 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Stetson Engineering, Inc.; Gillette, WY |
| CONTRACTOR: | Wright Water & Sewer District |
| MATERIALS: | Dana Kepner; Casper, WY |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2005, 2007 |

**347. PROJECT:** **Oakley Water Supply**

| | |
|---|---|
| SPONSOR: | Oakley Service and Improvement District |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $176,000 |
| ACTUAL EXPENDITURES: | $155,711 |
| DESCRIPTION: | Water transmission line |
| ENGINEER: | Sunrise Engineering, Inc.; Afton, WY |
| CONTRACTOR: | Peavler's Mountain Star, Inc.; Afton, WY |
| YEAR COMPLETED: | 2001 |
| SESSION LAW YEAR: | 2001 |

**348. PROJECT:** **Opal Well Improvements 2017**

| | |
|---|---|
| SPONSOR: | Town of Opal |
| LOCATION: | Lincoln |
| PROGRAM: | New Development |
| APPROPRIATION: | $4,690 |
| ACTUAL EXPENDITURES: | $4,690 |
| DESCRIPTION: | Well head and well house piping improvements |
| ENGINEER: | Crank Companies, Kemmerer, WY |
| CONTRACTOR: | Chapin Construction, Opal, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2017 |

**349. PROJECT:** **Osage Water Supply**

| | |
|---|---|
| SPONSOR: | Osage Water District |
| LOCATION: | Weston County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,205,000 |
| ACTUAL EXPENDITURES: | $ 954,951 |
| DESCRIPTION: | Pipeline, storage, disinfection, pump, controls |
| ENGINEER: | Weston Engineering, Inc.; Upton, WY |
| CONTRACTOR: | DRM, Inc.; Gillette, WY |
| YEAR COMPLETED: | 2000 |
| SESSION LAW DATE: | 1997 |

**350. PROJECT:** **Owl Creek Water Supply**

| | |
|---|---|
| SPONSOR: | Owl Creek Water District |
| LOCATION: | Hot Springs County |
| PROGRAM: | New Development |
| APPROPRIATION: | $3,182,500 |
| ACTUAL EXPENDITURES: | $2,907,059 |
| DESCRIPTION: | Transmission pipeline and storage tanks |
| ENGINEER: | Engineering Associates, Cody, WY |
| CONTRACTOR: | High Country Construction, Inc. |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2010 |

**351. PROJECT:** **Park Reservoir Dam**

| | |
|---|---|
| SPONSOR: | Park Reservoir Company |
| LOCATION: | Sheridan County |
| PROGRAM: | New Development |
| APPROPRIATION: | $3,750,000 |
| ACTUAL EXPENDITURES: | $3,725,000 |
| DESCRIPTION: | Dam |
| ENGINEER: | Woodward Clyde Consultants; Denver, CO |
| CONTRACTOR: | McIntyre Construction; Great Falls, MT |
| YEAR COMPLETED: | 1982 |
| SESSION LAW YEAR: | 1981, 1982 |

**352. PROJECT:** **Pathfinder Modification Project**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| LOCATION: | Natrona County |
| PROGRAM: | Dams and Reservoirs |
| APPROPRIATION: | $8,500,000 |
| ACTUAL EXPENDITURES: | $5,997,076 |
| DESCRIPTION: | Construction of a 3.39’ spillway raise at Pathfinder Dam |
| ENGINEER: | URS; Denver, CO |
| CONTRACTOR: | ASI Constructors; Pueblo, CO |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2006 |

**353. PROJECT:** **Pavillion East Water Supply**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| LOCATION: | Fremont County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,050,000 |

ACTUAL EXPENDITURES: $ 929,268
DESCRIPTION: A total of 31 cistern systems were constructed in the defined project area, which is located east of the Town of Pavillion, from January 2014 to February 2015. Eighteen (18) cistern systems were installed under Phase I and thirteen (13) cistern systems were installed under Phase II. In addition, a water-loading station was constructed in the Town of Pavillion. In return for a cistern system, the rural residents signed an access agreement that allows Wyoming DEQ to collect samples from private wells as part of an on-going groundwater investigation in the Pavillion area. The average cost for each cistern system was approximately $25,000.
ENGINEER: James Gores and Associates, Inc., Riverton, WY (design-build contractor)
CONTRACTOR: Viper Construction, Riverton, WY
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2012/14

**354. PROJECT: Pavillion Water Supply**
SPONSOR: Town of Pavillion
LOCATION: Fremont County
PROGRAM: New Development
APPROPRIATION: $400,000
ACTUAL EXPENDITURES: $300,000
DESCRIPTION: Well, storage tank, and pipeline
ENGINEER: Rolly Connell & Associates; Riverton, WY
CONTRACTOR: Rieman Construction; Cheyenne, WY
Rawhide Mechanical; Riverton, WY
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1994

**355. PROJECT: Pavillion Water System Improvements**
SPONSOR: Town of Pavillion
LOCATION: Fremont County
PROGRAM: New Development
APPROPRIATION: $214,500
ACTUAL EXPENDITURES: $143,715
DESCRIPTION: Transmission
ENGINEER: Gores
CONTRACTOR: 71 Construction
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2015

**356. PROJECT: Pine Bluffs Brule Formation Water Supply**
SPONSOR: Town of Pine Bluffs
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $250,000
ACTUAL EXPENDITURES: $212,044
DESCRIPTION: Pump, controls, building, pipe, for new well

ENGINEER: Lidstone & Associates, Inc.; Fort Collins, CO
CONTRACTOR: Town & Country Plumbing, Inc.; Burns, WY
DATE COMPLETED: 2005
SESSION LAW DATE: 2003

**357. PROJECT: Pine Bluffs Deep Well 2009**
SPONSOR: Town of Pine Bluffs
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $583,570
ACTUAL EXPENDITURES: $319,344
DESCRIPTION: Drilling, testing and completion of a production well
ENGINEER: Lidstone & Associates; Ft. Collins, CO
CONTRACTOR: Sargent Irrigation; Broken Bow, NE
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2009

**358. PROJECT: Pine Bluffs Lance, Fox Hills Well**
SPONSOR: Town of Pine Bluffs
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $435,240
ACTUAL EXPENDITURES: $318,889
DESCRIPTION: Complete Level II well and upgrades to existing wells
ENGINEER: Dahlgren Consulting; Cheyenne, WY
CONTRACTOR: W.G. Dale Electric; Cheyenne, WY
Mechanical Systems Inc.; Cheyenne, WY
Bowman Irrigation; Pine Bluffs, WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2006, 2008

**359. PROJECT: Pine Bluffs North Well Field**
SPONSOR: Town of Pine Bluffs
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $2,300,000
ACTUAL EXPENDITURES: $ 1,483,832
DESCRIPTION: Design and construction of a new well, rehabilitated well and transmission pipelines.
ENGINEER: Lidstone and Associates, Fort Collins, CO
CONTRACTOR: Sargent Drilling, Broken Bow, NE and Town & Country Plumbing, Burns, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2014

**360. PROJECT: Pine Bluffs Supply**
SPONSOR: Town of Pine Bluffs
LOCATION: Laramie County
PROGRAM: New Development
APPROPRIATION: $1,245,000
ACTUAL EXPENDITURES: $1,185,639
DESCRIPTION: Transmission pipeline, well rehab, new irrigation well

ENGINEER: Lidstone & Associates, Inc.; Fort Collins, CO
CONTRACTOR: Aztec Construction Co., Inc.; Cheyenne, WY
Timberline Electric & Control Corp.; Morrison, CO
Town & Country Plumbing, Inc.; Burns, WY
DATE COMPLETED: 2004
SESSION LAW DATE: 2000

**361. PROJECT: Pine Bluffs Well Rehabilitation**
SPONSOR: Town of Pine Bluffs
LOCATION: Laramie County
PROGRAM: Rehabilitation
APPROPRIATION: $155,000
ACTUAL EXPENDITURES: $132,723
DESCRIPTION: Well rehabilitation
ENGINEER: Lidstone & Associates, Inc.; Fort Collins, CO
CONTRACTOR: Sargent Irrigation Company; Scottsbluff, NE
DATE COMPLETED: 2000
SESSION LAW DATE: 1996

**362. PROJECT: Pine Haven Madison Well**
SPONSOR: Town of Pine Haven
LOCATION: Crook County
PROGRAM: New Development
APPROPRIATION: $115,000
ACTUAL EXPENDITURES: $ 81,528
DESCRIPTION: Pump, controls, pipe, for Well #2
ENGINEER: Wester-Wetstein & Associates; Laramie & Gillette, WY
CONTRACTOR: Weston Engineering, Inc.; Upton, WY
SESSION LAW DATE: 2003

**363. PROJECT: Pine Haven Pipeline Rehabilitation**
SPONSOR: Town of Pine Haven
LOCATION: Crook County
PROGRAM: Rehabilitation
APPROPRIATION: $235,000
ACTUAL EXPENDITURES: $235,000
DESCRIPTION: Upgrade transmission pipelines re-plumb storage
ENGINEER: Stetson Engineering, Inc.; Gillette, WY
CONTRACTOR: Hot Iron, Inc.; Gillette, WY
DATE COMPLETED: 2002
SESSION LAW DATE: 2001

**364. PROJECT: Pine Haven Transmission 2006**
SPONSOR: Town of Pine Haven
LOCATION: Crook County
PROGRAM: New Development
APPROPRIATION: $348,000
ACTUAL EXPENDITURES: $154,500
DESCRIPTION: North Loop Transmission Pipeline
ENGINEER: Stetson Engineering, Inc.; Gillette, WY
CONTRACTOR: Site Work Specialists; Rapid City, SD
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2006

**365. PROJECT:** **Pine Haven Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Pine Haven |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $165,000 |
| ACTUAL EXPENDITURES: | $ 97,162 |
| DESCRIPTION: | Pipeline, storage tank |
| ENGINEER: | Bearlodge Engineering; Sundance, WY |
| CONTRACTOR: | Sundance Construction; Newcastle, WY |
| YEAR COMPLETED: | 1989 |
| SESSION LAW YEAR: | 1988 |

**366. PROJECT:** **Pine Haven Well and Tank**

| | |
|---|---|
| SPONSOR: | Town of Pine Haven |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,469,000 |
| ACTUAL EXPENDITURES: | $2,130,169 |
| DESCRIPTION: | New well, transmission line, and tank |
| ENGINEER: | HDR Engineering; Gillette, WY |
| CONTRACTOR: | DRM, Inc.; Gillette, WY |
| YEAR COMPLETED: | 2020 |
| SESSION LAW YEAR: | 2015 |

**367. PROJECT:** **Pinedale Intake Project**

| | |
|---|---|
| SPONSOR: | Town of Pinedale |
| LOCATION: | Sublette County |
| PROGRAM: | New Development |
| APPROPRIATION: | $193,000 |
| ACTUAL EXPENDITURES: | $ 63,051 |
| DESCRIPTION: | Rock cover over existing lake intake |
| ENGINEER: | Rio Verde Engineering.; Pinedale, WY |
| CONTRACTOR: | Noble Construction; Pinedale, WY |
| SESSION LAWS: | 2002 |
| COMPLETION DATE: | 2003 |

**368. PROJECT:** **Pinedale Pipeline**

| | |
|---|---|
| SPONSOR: | Town of Pinedale |
| LOCATION: | Sublette County |
| PROGRAM: | New Development |
| APPROPRIATION: | $320,000 |
| ACTUAL EXPENDITURES: | $202,974 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Rio Verde; Pinedale, WY |
| CONTRACTOR: | Snyder Construction; Lyman, WY |
| YEAR COMPLETED: | 1993 |
| SESSION LAW YEAR: | 1991 |

**369. PROJECT:** **Pinedale Pipelines**

| | |
|---|---|
| SPONSOR: | Town of Pinedale |
| LOCATION: | Sublette County |
| PROGRAM: | New Development |
| APPROPRIATION: | $11,470,000 |

ACTUAL EXPENDITURES: $ 5,150,420
DESCRIPTION: New development of two transmission lines
ENGINEER: Rio Verde Engineering; Pinedale, WY
CONTRACTOR: Knife River Construction; Cheyenne, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2009, 2010

**370. PROJECT: Pinedale Transmission Line**
SPONSOR: Town of Pinedale
LOCATION: Sublette County
PROGRAM: New Development
APPROPRIATION: $3,550,000
ACTUAL EXPENDITURES: $2,980,351
DESCRIPTION: Transmission pipeline
ENGINEER: Rio Verde Engineering; Pinedale, WY
CONTRACTOR: Snyder Construction, Inc.; Lyman, WY
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1996

**371. PROJECT: Pioneer Canal/Lake Hattie Loan**
SPONSOR: Pioneer Canal-Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $93,000
ACTUAL EXPENDITURES: $87,000
DESCRIPTION: Refinanced existing loan
ENGINEER: NA
CONTRACTOR: NA
DATE COMPLETED: 1988
SESSION LAW DATE: 1988

**372. PROJECT: Poison Spider Pipelines**
SPONSOR: Poison Spider Improvement and Service District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,036,000
ACTUAL EXPENDITURES: $1,027,859
DESCRIPTION: Construction of a new delivery system
ENGINEER: 609 Consulting, LLC; Casper, WY
CONTRACTOR: Andreen Hunt Construction, Inc.; Casper, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2011

**373. PROJECT: Poison Spider Water Supply**
SPONSOR: Poison Spider Improvement & Service Dist.
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $640,000
ACTUAL EXPENDITURES: $538,076
DESCRIPTION: Pipelines, metering, chlorination

ENGINEER: Civil Engineering Professionals; Casper, WY
CONTRACTOR: Hedquist Construction, Inc.; Casper, WY
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1995

**374. PROJECT: Porto Canal**
SPONSOR: Porto Canal Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $808,000
ACTUAL EXPENDITURES: $681,040
DESCRIPTION: Converting open ditch to pipeline
ENGINEER: Sunrise Engineering; Afton, WY
CONTRACTOR: H-K Construction; Idaho Falls, ID
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1996

**375. PROJECT: Powell Master Plan/Powell Water Supply Rehabilitation**
SPONSOR: City of Powell
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $1,163,000
ACTUAL EXPENDITURES: $1,163,000
DESCRIPTION: Construction of elevated water storage tank, repainting of the existing elevated water storage tank, installation of pressure control facilities and rerouting of some transmission pipelines.
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Maguire Iron, Inc., Sioux Falls, SD
Engineered Fluids, Inc.; Centralia, IL
Western Municipal Construction; Gillette, WY
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2001, 2002, 2003 & 2004

**376. PROJECT: Powell Transmission Pipeline Project**
SPONSOR: City of Powell
LOCATION: Park County
PROGRAM: New Construction
APPROPRIATION: $1,689,070
ACTUAL EXPENDITURES: $ 454,815
DESCRIPTION: Construction of a transmission pipeline along the eastside of the city to provide additional pressures, flow of water and looping of the system.
ENGINEER: Sage Civil Engineering; Cody, WY
CONTRACTOR: Grace Inc., DBA Capstone Construction; Powell, WY
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2007

**377. PROJECT: Rafter J Rehabilitation**
SPONSOR: Rafter J Improvement and Service District
LOCATION: Teton County
PROGRAM: Rehabilitation
APPROPRIATION: $1,152,000

ACTUAL EXPENDITURES: $1,152,000
DESCRIPTION: New well and replacement well, storage tank
ENGINEER: Rendezvous Engineering; Jackson, WY
CONTRACTOR: Thomas Drilling; Afton, WY
Westwood Curtis Construction; Jackson, WY
Associated Brigham Contractors; Brigham City, UT
Hansen Excavation, LLC; Jackson, WY
Weber Drilling, LLC; Jackson, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2003, 2005, 2006, 2007

**378. PROJECT: Ranchester Storage Tank**
SPONSOR: Town of Ranchester
LOCATION: Sheridan
PROGRAM: Rehabilitation
APPROPRIATION: $454,000
ACTUAL EXPENDITURES: $373,582
DESCRIPTION: New storage tank
ENGINEER: EnTech Engineering, Inc.; Sheridan, WY
CONTRACTOR: EAI West, Inc.; Loveland, CO
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005, 2006

**379. PROJECT: Rawlins Atlantic Rim Pipeline**
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $3,900,000
ACTUAL EXPENDITURES: $2,621,202
DESCRIPTION: Transmission/Supply pipeline
ENGINEER: Wester-Wetstein & Associates Inc.; Laramie, WY
CONTRACTOR: Paul Reed Construction & Supply; Nebraska
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2009, 2010

**380. PROJECT: Rawlins Groundwater Supply**
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: New Development
APPROPRIATION: $8,200,000
ACTUAL EXPENDITURES: $7,505,939
DESCRIPTION: Wells, pipeline
ENGINEER: J.M. Montgomery; Laramie, WY
CONTRACTOR: Several
YEAR COMPLETED: 1989
SESSION LAW YEAR: 1986, 1989

**381. PROJECT: Rawlins Pipeline & Atlantic Rim Reservoir**
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: Reservoir $6,930,000
ACTUAL EXPENDITURES: Reservoir $5,972,112.36

DESCRIPTION: Rehabilitation of the existing Atlantic Rim Reservoir
ENGINEER: Wester-Wetstein & Associates, Inc.; Laramie, WY, Subconsultants: RJH Consultants; Inc., Englewood, CO
CONTRACTOR: Paul Reed Construction & Supply; Gering, Nebraska
YEAR COMPLETED: 2013
SESSION LAW YEAR: Reservoir 2009 and 2010/2010 and 2011

**382. PROJECT: Rawlins Springs Rehabilitation**
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $220,000
ACTUAL EXPENDITURES: $ 55,722
DESCRIPTION: Springs enhancement
ENGINEER: J.M. Montgomery; Laramie, WY
CONTRACTOR: City of Rawlins
YEAR COMPLETED: 1985
SESSION LAW YEAR: 1984

**383. PROJECT: Rawlins Treated Water Tank Rehabilitation**
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $1,727,930
ACTUAL EXPENDITURES: $1,154,298
DESCRIPTION: Rehabilitation of Painted Hills and Hospital Tanks
ENGINEER: PMPC Civil Engineers; Saratoga, WY
CONTRACTOR: Purcell P & C, LLC; Richland WA
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2007

**384. PROJECT: Rawlins Water Supply**
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $3,810,000
ACTUAL EXPENDITURES: $3,547,318
DESCRIPTION: Construct North Platte River raw water intake, pump station and transmission line; rehabilitation of existing Thayer pump station and construction of a treated water transmission line to Sinclair storage tank
ENGINEER: Western Water Consultants; Laramie, WY
CONTRACTOR: Western Municipal Construction; Billings MT
Three Sons Construction; Hanna, WY
YEAR COMPLETED: 2003
SESSION LAW YEAR: 1998 and 2002

**385. PROJECT: Reliance Water Supply**
SPONSOR: Green River / Rock Springs / Sweetwater County Joint Powers Board
LOCATION: Sweetwater County
PROGRAM: New Development
APPROPRIATION: $1,742,000

ACTUAL EXPENDITURES: $1,694,513
DESCRIPTION: New development including tank, transmission line and booster station
ENGINEER: Nelson Engineering; Jackson, WY
CONTRACTOR: Debernardi Construction; Rock Springs, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2011

**386. PROJECT: Riverside**
SPONSOR: Sierra Madre Water & Sewer Joint Powers Board
LOCATION: Carbon County
PROGRAM: New Development
APPROPRIATION: $1,225,000
ACTUAL EXPENDITURES: $ 834,574
DESCRIPTION: Municipal water supply
ENGINEER: PMPC; Saratoga, Wyoming
CONTRACTOR: Bartlett Construction; Hanna, WY
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1992

**387. PROJECT: Riverton Raw Water Supply Rehabilitation Project**
SPONSOR: City of Riverton
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $1,086,500
ACTUAL EXPENDITURES: $ 64,293 (City refunded this amount.)
DESCRIPTION: Rehabilitating a raw water conveyance system which serves the City of Riverton.
ENGINEER: Apex Surveying, Inc.; Riverton, WY
CONTRACTOR: None
YEAR COMPLETED: Project was terminated
SESSION LAW YEAR: 2001 and 2004

**388. PROJECT: Riverton Valley**
SPONSOR: City of Riverton/Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $5,750,000
ACTUAL EXPENDITURES: $5,743,436
DESCRIPTION: Canal, pipeline
ENGINEER: R.D. Connell and Associates; Riverton, WY
CONTRACTOR: Larry's Inc.; Gillette, WY
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1984

**389. PROJECT: Riverton Valley Laterals**
SPONSOR: City of Riverton/Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $350,000
ACTUAL EXPENDITURES: $348,544
DESCRIPTION: Canal, pipeline

| | |
|---|---|
| ENGINEER: | R.D. Connell and Associates; Riverton, WY |
| CONTRACTOR: | City of Riverton/Riverton Valley Irrigation District; Riverton, WY |
| YEAR COMPLETED: | 1999 |
| SESSION LAW YEAR: | 1994 |

**390. PROJECT: Riverton Valley Pipeline Relocation**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Riverton Valley Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $670,000 |
| ACTUAL EXPENDITURES: | $583,594 |
| DESCRIPTION: | Relocate pipeline in highway right-of-way |
| ENGINEER: | Apex: Riverton WY |
| CONTRACTOR: | Paul Reed; Torrington WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**391. PROJECT: Riverton Valley Rehabilitation 2009**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Riverton Valley Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $79,000 |
| ACTUAL EXPENDITURES: | $52,000 |
| DESCRIPTION: | Various work on laterals |
| ENGINEER: | APEX Surveying; Riverton, WY |
| MATERIALS: | Killebrew Irrigation, Inc.; Lander, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**392. PROJECT: Riverton Valley Rehabilitation 2013**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Riverton Valley Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $137,000 |
| ACTUAL EXPENDITURES: | $ 75,747 |
| DESCRIPTION: | Lateral rehabilitation. |
| ENGINEER: | Apex, Riverton, WY |
| CONTRACTOR: | Riverton Valley Irrigation District, Riverton, WY |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2013 |

**393. PROJECT: Riverton Valley Rehabilitation 2014**

| | |
|---|---|
| SPONSOR: | Riverton Valley Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $136,680 |
| ACTUAL EXPENDITURES: | $95,782 |
| DESCRIPTION: | Pipe Lining |

ENGINEER: Apex, Denver, CO
CONTRACTOR: Riverton Valley Irrigation District
YEAR COMPLETED: 2017
SESSION LAW YEAR: 2014

**394. PROJECT: Riverton Valley Rehabilitation No. 2-I**
SPONSOR: Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $335,000
ACTUAL EXPENDITURES: $334,987
DESCRIPTION: Rehabilitate various laterals on the system.
ENGINEER: Apex Engineering; Riverton, WY
CONTRACTOR: Riverton Valley Irrigation District; Riverton, WY
YEAR COMPLETED: 2007
SESSION LAW YEAR: 2002

**395. PROJECT: Riverton Valley Rehabilitation #2, Phase II/Riverton Valley Underflow Project**
SPONSOR: Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $140,000
ACTUAL EXPENDITURES: $105,024
DESCRIPTION: Rehabilitation of four underflow structures
ENGINEER: Apex Surveying, Inc.; Riverton, WY
CONTRACTOR: Doug Evans Excavation; Riverton, WY
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2003

**396. PROJECT: Riverton Water Supply**
SPONSOR: City of Riverton
LOCATION: Fremont County
PROGRAM: New Construction
APPROPRIATION: $312,000
ACTUAL EXPENDITURES: $283,106
DESCRIPTION: Well and Transmission Pipeline
ENGINEER: Wester-Wetstein & Assoc., Inc.; Laramie, WY
CONTRACTOR: Patrick Construction; Lander, WY
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1996, 1999

**397. PROJECT: Rock River Transmission Line Replacement**
SPONSOR: Town of Rock River
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $1,159,100
ACTUAL EXPENDITURES: $1,073,871
DESCRIPTION: Intake Structure and 2.7 miles of transmission line

ENGINEER: Sunrise Engineering; Cheyenne, WY
CONTRACTOR: Harris Trucking & Construction Company; Cody, WY
Dale Weaver Wyoming, LLC; Powell, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2014

**398. PROJECT: Rock River Transmission Pipeline**
SPONSOR: Town of Rock River
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $670,000
ACTUAL EXPENDITURES: $495,246
DESCRIPTION: Intake Structure and Raw Water Transmission Line
ENGINEER: Banner Associates; Laramie, WY
CONTRACTOR: Bartlett, Inc.; Hanna, WY
Moltz Constructors, Inc.; Cody, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

**399. PROJECT: Rock Springs/Green River Area Supply**
SPONSOR: GR-RS-SC JPWB
LOCATION: Sweetwater County
PROGRAM: New Development
APPROPRIATION: $27,000,000
ACTUAL EXPENDITURES: $27,000,000
DESCRIPTION: Transmission Line, Storage, Pumping, Controls
ENGINEER: Forsgren Engineering; Evanston, WY
Crank Companies; Kemmerer, WY
CONTRACTOR: DeBernardi Construction; Rock Springs, WY
Snyder Construction; Lyman, WY
H-K Construction; Idaho Falls, ID
High Pains Construction; Casper, WY
Resource Engineering; Rock Springs, WY
C M E; Green River, WY
ENGINEER: Forsgren Engineering; Evanston, WY
Crank Companies; Kemmerer, WY
CONTRACTOR: DeBernardi Construction; Rock Springs, WY
Snyder Construction; Lyman, WY
H-K Construction; Idaho Falls, ID
High Pains Construction; Casper, WY
Resource Engineering; Rock Springs, WY
C M E; Green River, WY
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1990, 1994

**400. PROJECT: Rolling Hills Water Supply**
SPONSOR: Town of Rolling Hills
LOCATION: Converse
PROGRAM: New Development
APPROPRIATION: $282,000
ACTUAL EXPENDITURES: $221,878
DESCRIPTION: New Tank and Transmission Lines

ENGINEER: R. C. H and Associates; Glenrock, WY
CONTRACTOR: CVIC; Casper, WY
Phipps; Glenrock, WY
D.C. Drilling; Lusk, WY
Bartlett; Hanna, WY
DATE COMPLETED: 2001
SESSION LAW YEAR: 2000

**401. PROJECT: Rolling Hills Water Supply**
SPONSOR: Town of Rolling Hills
LOCATION: Converse
PROGRAM: New Development
APPROPRIATION: $1,344,000
ACTUAL EXPENDITURES: $1,156,590
DESCRIPTION: Design and construction of storage tank and water delivery system improvements
ENGINEER: Civil Engineering Professionals Inc.
CONTRACTOR: High Plains Contracting
YEAR COMPLETED: 2017
SESSION LAW YEAR: 2012/2014

**402. PROJECT: Rolling Hills Well**
SPONSOR: Town of Rolling Hills
LOCATION: Converse County
PROGRAM: Rehabilitation
APPROPRIATION: $225,000
ACTUAL EXPENDITURES: $205,723
DESCRIPTION: New Well
ENGINEER: Wester-Wetstein and Associates; Laramie, WY
CONTRACTOR: Ruby Drilling; Gillette, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 2000

**403. PROJECT: Sahara Rehabilitation**
SPONSOR: Powder River Irrigation District
LOCATION: Johnson County
PROGRAM: Rehabilitation
APPROPRIATION: $900,000
ACTUAL EXPENDITURES: $900,000
DESCRIPTION: Diversion structure, canal improvements
ENGINEER: Western Water Consultants; Sheridan, WY
CONTRACTOR: Foster Construction; Riverton, WY
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1992, 1993

**404. PROJECT: Salt Creek Water Supply**
SPONSOR: Salt Creek Water & Sewer District
LOCATION: Weston County
PROGRAM: New Development
APPROPRIATION: $690,000
ACTUAL EXPENDITURES: $690,000
DESCRIPTION: Upgrade transmission pipeline, put new well on line
ENGINEER: Wester-Wetstein & Associates, Inc.; Laramie, WY

CONTRACTOR: Hawley, Inc.; Torrington, WY
DATE COMPLETED: 2003
SESSION LAW YEAR: 2000

**405. PROJECT: Saratoga Storage Standpipe Rehabilitation**
SPONSOR: Town of Saratoga and Carbon County Impact JPB
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $200,000
ACTUAL EXPENDITURES: $172,569
DESCRIPTION: Rehabilitation of a 1 million gallon welded steel storage standpipe that was constructed in 1978. The major rehabilitation items for included stair and railing modifications, relocation of the overflow piping, sandblasting and painting the interior, cleaning and painting the exterior, and installing a cathodic protection system.
ENGINEER: PMPC Civil Engineers; Saratoga, WY
CONTRACTOR: Coating Systems, Inc.
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2004

**406. PROJECT: Saratoga Well Field**
SPONSOR: Town of Saratoga and Carbon County Impact JPB
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $4,656,500
ACTUAL EXPENDITURES: $3,079,680
DESCRIPTION: Developed a well field for the Town
ENGINEER: PMPC Civil Engineers; Saratoga, WY
CONTRACTOR: Arapahoe Utilities & Infrastructure; Englewood, CO
YEAR COMPLETED: 2010

**407. PROJECT: Savery Creek Diversions Phase II**
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $1,900,000
ACTUAL EXPENDITURES: $1,040,418
DESCRIPTION: Replace two diversion structures and construct two new diversion structures
ENGINEER: Natural Resources Conservation Service; Baggs, WY
CONTRACTOR: Elk River Construction; Pagosa Springs, CO
Stocks Services; Savery, WY
C&B Sand and Gravel, Inc.; Baggs, WY
H.B. Lee Construction Co., Inc.; Baggs, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2013, 2018

**408. PROJECT: Savery-Little Snake-Battle Creek Diversions**
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $871,000

ACTUAL EXPENDITURES: $842,493
DESCRIPTION: Design and construction of water diversion structures
ENGINEER: NRCS, Baggs, WY
CONTRACTOR: HB Lee Construction; Baggs, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2015

**409. PROJECT: Shell Canal**
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $190,000
ACTUAL EXPENDITURES: $190,000
DESCRIPTION: Sheldon Gulch Siphon, Canal repairs
ENGINEER: Soil Conservation Service; Worland, WY
CONTRACTOR: Big Horn Ready Mix, Inc.; Greybull, WY
YEAR COMPLETED: 1989
SESSION LAW DATE: 1983

**410. PROJECT: Shell Canal Tunnel Rehabilitation**
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $1,220,000
ACTUAL EXPENDITURES: $611,661
DESCRIPTION: Removal of 562 foot long irrigation canal tunnel
ENGINEER: States West Water Resources; Sheridan, WY
CONTRACTOR: GK Construction Inc.; Lovell, WY
YEAR COMPLETED: 2014
SESSION LAW YEAR: 2012

**411. PROJECT: Shell Valley/Greybull Water Supply**
SPONSOR: Town of Greybull
LOCATION: Big Horn County
PROGRAM: New Development
APPROPRIATION: $666,400
ACTUAL EXPENDITURES: $521,291
DESCRIPTION: Wells, pipeline
ENGINEER: Crank Company; Kemmerer, WY
CONTRACTOR: Continental Construction; Jackson, WY
YEAR COMPLETED: 1989

**412. PROJECT: Sheridan 4 MG WTP Tank**
SPONSOR: City of Sheridan
LOCATION: Sheridan
PROGRAM: Rehabilitation
APPROPRIATION: $2,144,000
ACTUAL EXPENDITURES: $1,752,393
DESCRIPTION: Replace water treatment plant tank concrete roof
ENGINEER: DOWL, Sheridan, WY
CONTRACTOR: Lillard & Clark, Denver, CO
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2015

**413. PROJECT:** **Sheridan Area Water Supply**

| | |
|---|---|
| LEVEL: | III |
| PROGRAM: | New Development |
| SPONSOR: | Sheridan Area Water Supply Joint Powers Board |
| LOCATION: | Sheridan County |
| PROGRAM: | New Development, Public Purpose Investment |
| APPROPRIATION: | $37,206,000<br>$ 6,750,000 (permanent mineral trust fund loan) |
| ACTUAL EXPENDITURES: | $37,206,000<br>$ 6,750,000 (permanent mineral trust fund loan) |
| DESCRIPTION: | Enlargement of Twin Lakes Reservoir, Water transmission facilities, Water treatment plant in Big Goose Valley, Raw water transmission pipeline, |
| ENGINEER: | Several |
| CONTRACTOR: | Several (21 separate contracts) |
| YEAR COMPLETED: | 2000 |
| SESSION LAW YEAR; | 1989, 1990, 1993, 1996 |

**414. PROJECT:** **Sheridan/Big Goose Slip Lining**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Sheridan County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $427,020 |
| ACTUAL EXPENDITURES: | $354,852 |
| DESCRIPTION: | Cement mortar lining of transmission pipelines |
| ENGINEER: | DOWL HKM; Sheridan, WY |
| CONTRACTOR: | Spiniello Companies; Pomona, CA |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007 |

**415. PROJECT:** **Sheridan Big Goose Water Supply**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Sheridan County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,291,000 |
| ACTUAL EXPENDITURES: | $2,184,261 |
| DESCRIPTION: | Update and improve the Sheridan Big Goose Water Supply Intake |
| ENGINEER: | HKM; Sheridan, WY |
| CONTRACTOR | Larry's; Gillette, WY |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEARS: | 2000, 2002, and 2003 |

**416. PROJECT:** **Sheridan Intake Structure**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Sheridan County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $200,000 |
| ACTUAL EXPENDITURES: | $200,000 |
| DESCRIPTION: | Diversion dam |

| | |
|---|---|
| ENGINEER: | TSP; Sheridan, WY |
| CONTRACTOR: | Husman Construction; Sheridan, WY |
| YEAR COMPLETED: | 1987 |
| SESSION LAW YEAR: | 1985 |

**417.** **PROJECT:** **Sheridan Leopard Street Pipeline 2018**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Sheridan County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,211,000.00 |
| ACTUAL EXPENDITURES: | $2,051,563.90 |
| DESCRIPTION: | Design and construction of new transmission pipelines |
| ENGINEER: | DOWL; Sheridan, WY |
| CONTRACTOR: | Wilson Brothers Construction; Cowley, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2015 |

**418.** **PROJECT:** **Sheridan North Loop Transmission Line**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Johnson County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,714,460 |
| ACTUAL EXPENDITURES: | $1,714,460 |
| DESCRIPTION: | 2.8 miles of 16” PVC transmission main pipeline |
| ENGINEER: | DOWL, Sheridan, WY |
| CONTRACTOR: | Wilson Brothers |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2013, 2014 |

**419.** **PROJECT:** **Sheridan NW/Big Goose Tanks**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Sheridan County |
| PROGRAM: | New Development |
| APPROPRIATION: | $5,260,840 |
| ACTUAL EXPENDITURES: | $5,189,447 |
| DESCRIPTION: | Two concrete storage tanks, transmission line and necessary system connections |
| ENGINEER: | DOWL HKM, Sheridan, WY; HDR, Billings, MT |
| CONTRACTOR: | Fletcher Construction, Sheridan, WY; COP Construction, Sheridan, WY |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2007 |

**420.** **PROJECT:** **Sheridan North Side Transmission Pipeline 2018**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Sheridan County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,735,300.00 |
| ACTUAL EXPENDITURES: | $1,705,217.62 |
| DESCRIPTION: | Design and construction of new transmission pipelines |

ENGINEER: DOWL; Sheridan, WY
CONTRACTOR: Wilson Brothers Construction; Cowley, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2018

**421. PROJECT: Sheridan Pipeline Rehabilitation**
SPONSOR: City of Sheridan
LOCATION: Sheridan County
PROGRAM: Rehabilitation
APPROPRIATION: $6,044,000
ACTUAL EXPENDITURES: $5,880,982
DESCRIPTION: Transmission line replacement
ENGINEER: HKM Engineering; Sheridan, WY
CONTRACTOR: Excel Construction, Inc.; Sheridan, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2003, 2005, 2006

**422. PROJECT: Sheridan Raw Water Supply**
SPONSOR: City of Sheridan
LOCATION: Sheridan County
PROGRAM: New Development
APPROPRIATION: $796,000
ACTUAL EXPENDITURES: $796,000
ENGINEER: MSE-HKM; Sheridan, WY
CONTRACTOR: Larry's Inc.; Gillette, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1999, 2000

**423. PROJECT: Sheridan Raw Water Supply Rehabilitation Project**
SPONSOR: City of Sheridan
LOCATION: Sheridan County
PROGRAM: Rehabilitation
APPROPRIATION: $50,000
ACTUAL EXPENDITURES: $42,290
DESCRIPTION: Raw water transmission to Kendrick Golf Course, engineering design of pump station.
ENGINEER: HKM Engineering; Sheridan, WY
CONTRACTOR: NA, design only
YEAR COMPLETED 2003
SESSION LAW YEAR 2001

**424. PROJECT: Shoshone Drop Structures**
SPONSOR: Shoshone Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $570,000
ACTUAL EXPENDITURES: $549,777
DESCRIPTION: Five Garland Canal Drop Structures, Lateral 36F, Ralston Reservoir Check Structure

ENGINEER: Sage Civil Engineering; Cody, WY
MATERIALS: J&E Irrigation, Inc.; Basin, WY
White Cap Construction Supply; Ft. Collins, CO
Teton Steel, Inc.; Casper, WY
Eden Farms; Powell, WY
Big Horn Redi-Mix, Inc.; Thermopolis, WY
DATE COMPLETED: 2006
SESSION LAW DATE: 2002

**425. PROJECT: Shoshone Eagle Nest Creek**
SPONSOR: Shoshone Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $1,145,700
ACTUAL EXPENDITURES: $1,110,599
DESCRIPTION: Replace Eagle Nest Creek crossing structure, Pipe laterals 4C, 2W, 24F, D, 6S, 9S, 16T, 20B, and R.
ENGINEER: Sage Civil Engineering; Cody, WY
MATERIALS: Cretex Concrete Products; West; Minneapolis, MN
J&E Irrigation, Inc.; Basin, WY
Waterworks Irrigation, Inc.; Ralston, WY
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2006

**426. PROJECT: Shoshone Irrigation District Rehabilitation 2013**
SPONSOR: Shoshone Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $827,245*
ACTUAL EXPENDITURES: $827,245
DESCRIPTION: Pipe Laterals 7V 9-16, 12T, 16T 6-14, 16T 16-19, Replace Garland Canal Drop 22, 27
ENGINEER: Sage Civil Engineering; Cody, WY
CONTRACTOR: Shoshone Irrigation District
MATERIALS: Waterworks Irrigation, Inc.; Ralston, WY
Waterworks Industries, Inc.; Casper, WY
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2013
*Includes $32,245 Sponsor's Inflation Fund, Account II, 2014

**427. PROJECT: Shoshone Irrigation District Rehabilitation 2015**
SPONSOR: Shoshone Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $290,000
ACTUAL EXPENDITURES: $290,000
DESCRIPTION: Replace two drop structures and three segments of open canal with pipe
ENGINEER: Sage Civil Engineering; Cody, WY
CONTRACTOR: Waterworks Irrigation, Inc.; Ralston, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2015

**428. PROJECT:** **Shoshone Irrigation District Rehabilitation 2017**

| | |
|---|---|
| SPONSOR: | Shoshone Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $234,000.00 |
| ACTUAL EXPENDITURES: | $224,852.90 |
| DESCRIPTION: | Design and replacement of open channel canals with pipeline. Provided construction materials only. |
| ENGINEER: | Sage Civil Engineering; Cody, WY |
| CONTRACTOR: | Shoshone Irrigation District |
| MATERIALS: | Waterworks Irrigation, Inc.; Ralston, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2017 |

**429. PROJECT:** **Shoshone Municipal Pipeline**

| | |
|---|---|
| SPONSOR: | Shoshone Municipal Water Supply Joint Powers Board |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $38,750,000 |
| ACTUAL EXPENDITURES: | $38,451,942 |
| DESCRIPTION: | Pipeline, storage tanks, controls |
| ENGINEER: | Banner Associates; Laramie, WY |
| CONTRACTOR: | Barcon; Sheridan, WY<br>ASI Moltz; Cody, WY |
| YEAR COMPLETED: | 1992 |
| SESSION LAW YEAR: | 1987, 1990 |

**430. PROJECT:** **Shoshone Municipal Pipeline - 2009**

| | |
|---|---|
| SPONSOR: | Shoshone Municipal Water JPB |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $2,428,800 |
| ACTUAL EXPENDITURES: | $1,705,303 |
| DESCRIPTION: | Pipeline relocation due to highway construction |
| ENGINEER: | DOWL HKM; Laramie, WY |
| CONTRACTOR: | Garney Wyoming, Inc.; Chugwater, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**431. PROJECT:** **Shoshone Municipal Water Treatment**

| | |
|---|---|
| SPONSOR: | Shoshone Municipal Water Supply Joint Powers Board |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | Public Purpose Investment |
| APPROPRIATION: | $16,500,000 (permanent mineral trust fund loan) |
| ACTUAL EXPENDITURES: | $15,775,959 |
| DESCRIPTION: | Water treatment plant |
| ENGINEER: | Banner Associates; Laramie, WY |
| CONTRACTOR: | TIC; Casper, WY<br>ASI Moltz; Cody, WY |
| YEAR COMPLETED: | 1992 |
| SESSION LAW YEAR: | 1987, 1990 |

**432. PROJECT:** **Shoshone Rehabilitation**

| | |
|---|---|
| SPONSOR: | Shoshone Irrigation Project Joint Powers Board |
| LOCATION: | Park/Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $7,500,000 |
| ACTUAL EXPENDITURES: | $7,448,171 |
| DESCRIPTION: | Pipelines, canal structures, tunnel grouting, siphon coating, headgate repair |
| ENGINEER: | Graham, Dietz & Associates; Powell, WY<br>Engineering Associates; Cody, WY<br>Inberg-Miller Engineers; Powell, WY<br>ESA; Bozeman, MT<br>Engineering Science, Inc.; Salt Lake City, UT<br>Water Resources Engineers; Powell, WY |
| CONTRACTOR: | LaMax Construction; Basin, WY<br>Miller Fabrication; Lovell, WY<br>Elkhorn Construction; Powell, WY<br>Moltz Construction; Cody, WY<br>Excel Construction; Sheridan, WY |
| MATERIALS: | Elk River Concrete; Helena, MT<br>A-C Supply; Basin, WY<br>Boomers Irrigation; Powell, WY<br>J&E, Inc.; Greybull, WY<br>TNT Irrigation, Inc.; Powell, WY |
| DATE COMPLETED: | 2001 |
| SESSION LAW DATE: | 1992 |

**433. PROJECT:** **Shoshone Rehabilitation 2009**

| | |
|---|---|
| SPONSOR: | Shoshone Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $339,000 |
| ACTUAL EXPENDITURES: | $256,221 |
| DESCRIPTION: | Lateral 11U, Drop #22, Buck Creek Undershot |
| ENGINEER: | Sage Civil Engineering; Cody, WY |
| CONTRACTOR: | Shoshone Irrigation District |
| MATERIALS: | Waterworks Irrigation, Inc.; Ralston, WY<br>Northwest Pipe Fittings; Billings, MT |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**434. PROJECT:** **Shoshone Rehabilitation 2011**

| | |
|---|---|
| SPONSOR: | Shoshone Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $585,000 |
| ACTUAL EXPENDITURES: | $585,000 |
| DESCRIPTION: | Laterals 6W, 20D, 10A, Drops #17, #31. |
| ENGINEER: | Sage Civil Engineering, Cody, Wyoming |
| CONTRACTOR: | Shoshone Irrigation District |
| MATERIALS: | Waterworks Irrigation, Inc., Ralston, WY |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2011 |

**435. PROJECT:** **Shoshone Transmission Pipeline 2016**

| | |
|---|---|
| SPONSOR: | Shoshone Municipal Water Joint Powers Board |
| LOCATION: | Park County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,227,500.00 |
| ACTUAL EXPENDITURES: | $611,777.63 |
| DESCRIPTION: | Design and construction of new transmission pipelines |
| ENGINEER: | DOWL, Sheridan, WY<br>Morrison-Maierle; Cody, WY |
| CONTRACTOR: | Wilson Brothers Construction; Cowley, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2016 |

**436. PROJECT:** **Shoshone Well and Transmission**

| | |
|---|---|
| SPONSOR: | Eastern Shoshone Tribe |
| LOCATION: | Fremont County, Wind River Indian Reservation |
| PROGRAM: | New Development |
| APPROPRIATION: | $824,000 |
| ACTUAL EXPENDITURES: | $624,473 |
| DESCRIPTION: | Well and Transmission Line |
| ENGINEER: | Lidstone & Associates, Inc.; Fort Collins, CO |
| CONTRACTOR: | Patrick Construction Inc.; Lander WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007 |

**437. PROJECT:** **Shoshoni Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Shoshoni |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $740,000 |
| ACTUAL EXPENDITURES: | $660,066 |
| DESCRIPTION: | Well replacement, water storage improvements |
| ENGINEER: | Civil Engineering Professionals, Inc.; Casper, WY |
| CONTRACTOR: | 71 Construction, Inc.; Casper, WY |
| YEAR COMPLETED: | 1995 |
| SESSION LAW YEAR: | 1991 |

**438. PROJECT:** **Sidon Bitter Creek Crossing Rehabilitation**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $217,000 |
| ACTUAL EXPENDITURES: | $217,000 |
| DESCRIPTION: | Replace concrete structure passing Bitter Creek over Sidon Canal |
| ENGINEER: | Engineering Associates, Inc.; Cody, WY |
| CONTRACTOR: | Wilson Brothers Construction; Cowley, WY |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 2002 |

**439. PROJECT:** **Sidon Canal Rehabilitation**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,060,000 |
| ACTUAL EXPENDITURES: | $ 730,260 |
| DESCRIPTION: | Diversion Headgate, Inverted Siphons |
| ENGINEER: | Inberg-Miller Engineers; Riverton, WY |
| CONTRACTOR: | Excel Construction, Inc.; Sheridan, WY |
| DATE COMPLETED: | 1998 |
| SESSION LAW DATE: | 1995 |

**440. PROJECT:** **Sidon Irrigation District Rehabilitation 2014**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $109,000 |
| ACTUAL EXPENDITURES: | $109,000 |
| DESCRIPTION: | Replace six ditches with pipe |
| ENGINEER: | Pryor Mountain Engineering, Cowley, WY |
| MATERIALS: | Big Horn Truck & Equipment, Manderson, WY |
| YEAR COMPLETED: | 2016 |
| SESSION LAW YEAR: | 2014 |

**441. PROJECT:** **Sidon Irrigation District Rehabilitation 2016**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $352,500 |
| ACTUAL EXPENDITURES: | $229,324 |
| DESCRIPTION: | Convert open channel canals to pipeline |
| ENGINEER: | Pryor Mountain Engineering; Cowley, WY |
| CONTRACTOR: | Sidon Irrigation District |
| MATERIALS: | Waterworks Irrigation Inc., Ralston, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2016 |

**442. PROJECT:** **Sidon Irrigation District Rehabilitation 2017**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $483,000 |
| ACTUAL EXPENDITURES: | $437,446 |
| DESCRIPTION: | Converting segment of ditch to buried pipe |
| ENGINEER: | Pryor Mountain; Cowley, WY |
| CONTRACTOR: | Waterworks Industries Inc.; Casper, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2017 |

**443. PROJECT:** **Sidon Irrigation District Rehabilitation 2018**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $823,000 |
| ACTUAL EXPENDITURES: | $823,000 |
| DESCRIPTION: | Convert the Gwen Lateral open channel to pipeline |
| ENGINEER: | Pryor Mountain Engineering; Cowley, WY |
| CONTRACTOR: | Sidon Irrigation District |
| MATERIALS: | Big Horn Truck & Equipment; Manderson, WY |
| YEAR COMPLETED: | 2019 |
| SESSION LAW YEAR: | 2018 |

**444. PROJECT:** **Sidon Rehabilitation**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $295,000 |
| ACTUAL EXPENDITURES: | $273,372 |
| DESCRIPTION: | Pipe Black-Miller Ditch, mechanical weed screen |
| ENGINEER: | Pryor Mountain Engineering; Cowley, WY |
| CONTRACTOR: | Sidon Irrigation District |
| MATERIALS: | Waterworks Irrigation, Inc.; Ralston, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2008, 2009 |

**445. PROJECT:** **Sinclair Water Supply Project**

| | |
|---|---|
| SPONSOR: | Town of Sinclair |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $672,500 (50% Grant) |
| ACTUAL EXPENDITURES: | $433,915 |
| DESCRIPTION: | New potable water storage tank, connecting pipeline and appurtenances. |
| ENGINEER: | PMPC Consulting Engineers; Saratoga, WY |
| CONTRACTOR: | Hot Iron Construction, Inc.; Gillette, WY |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 2002 |

**446. PROJECT:** **Sinnard Dam**

| | |
|---|---|
| SPONSOR: | Horse Creek Conservation District |
| LOCATION: | Goshen County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,100,000 |
| ACTUAL EXPENDITURES: | $ 918,814 |
| DESCRIPTION: | Dam and outlet works |
| ENGINEER: | ECI; Englewood, CO |
| CONTRACTOR: | Domino Construction; Laramie, WY |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1993 |

**447. PROJECT:** **Sleepy Hollow Pipeline**

| | |
|---|---|
| SPONSOR: | Central Campbell County Improvement and Service District |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $200,000 |
| ACTUAL EXPENDITURES: | $200,000 |
| DESCRIPTION: | Construction of a transmission pipeline from the district's new well to the storage tank and installation of a well pump. |
| ENGINEER: | Falcon Consulting Services; Gillette, WY |
| CONTRACTOR: | DRM, Inc.; Gillette, WY |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2004 |

**448. PROJECT:** **Sleepy Hollow Tank Rehabilitation**

| | |
|---|---|
| SPONSOR: | Central Campbell County Improvement and Service District |
| LOCATION: | Campbell County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $50,000 |
| ACTUAL EXPENDITURES: | $45,885 |
| DESCRIPTION: | Stabilization of tank settlement, modification of pipeline connections, and rehabilitation of tank control building. |
| ENGINEER: | Falcon Consulting Services; Gillette, WY |
| CONTRACTOR: | Long's Plumbing & Heating, Inc.; Gillette, WY |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 2002 |

**449. PROJECT:** **Sleepy Hollow Well Replacement**

| | |
|---|---|
| SPONSOR: | Central Campbell County I&S District |
| LOCATION: | Campbell County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $350,000 |
| ACTUAL EXPENDITURES: | $227,811 |
| DESCRIPTION: | Replacement of well, pump, controls, pipe |
| ENGINEER: | Soda Butte Services; Upton, WY |
| CONTRACTOR: | Williams Drilling; Gillette, WY<br>Hladky Construction; Gillette, WY |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1994 |

**450. PROJECT: Small Water Projects**

| Small Water Project | Account | Year Approved |
|---|---|---|
| Asperation Well | New Development | 2003 |
| Bad Land Well | New Development | 2003 |
| Bench Well | New Development | 2003 |
| Big Bend Pasture Well | New Development | 2003 |
| Big Horn River Ranch Pipeline | New Development | 2003 |
| Blue Forest Well | New Development | 2003 |
| Central Well | New Development | 2003 |
| Crowfoot Ranch Well | New Development | 2003 |
| Diamond S Ranch Pipeline | New Development | 2003 |
| East Dry Creek #1 Well | New Development | 2003 |
| Emigrant Well | New Development | 2003 |
| Emigrant/Four Mile Pits | New Development | 2003 |
| Four Mile Gulch Well | New Development | 2003 |
| Gasson Well #2 | New Development | 2003 |
| Gooseberry Creek Ranch Well | New Development | 2003 |
| Jensen Wash Well | New Development | 2003 |
| Lombard Well | New Development | 2003 |
| Migration Well | New Development | 2003 |
| Perino Pipeline | New Development | 2003 |
| Russell Ranch Pipeline | New Development | 2003 |
| Twelve Mile Sink Well | New Development | 2003 |
| Big Sandy Pipeline | Rehabilitation | 2003 |
| Cabin Creek Water Development | Rehabilitation | 2003 |
| Coyote Reservoirs | Rehabilitation | 2003 |
| Croonberg Water Development | Rehabilitation | 2003 |
| Diamond S Ranch Well | Rehabilitation | 2003 |
| Jones Water Project | Rehabilitation | 2003 |
| Old Steve Adams Duck Pond | Rehabilitation | 2003 |
| Poison Buttes/Cottonwood Ponds | Rehabilitation | 2003 |
| TY Ranch Pipeline | Rehabilitation | 2003 |
| Aaron Carollow Livestock | New Development | 2004 |
| Antelope Hills Water Well | New Development | 2004 |
| Antone Swanda Well & Pipeline | New Development | 2004 |
| Basin Allotment Project | New Development | 2004 |
| Black Thunder Watershed Project | New Development | 2004 |
| Butte Water Development | New Development | 2004 |
| Chant Water Well #1 | New Development | 2004 |
| Cherokee Allotment Ground Water | New Development | 2004 |
| Coal Gulch Grade Control/Diversion | New Development | 2004 |
| Dobie Ridge Project | New Development | 2004 |
| Gordon Pries Irrigation Pipeline/Pond | New Development | 2004 |
| Muddy Creek Ox Bow Restoration | New Development | 2004 |
| PH livestock Fillmore Pasture | New Development | 2004 |
| Range Unit 40 Young Bench Well | New Development | 2004 |
| Shant Stock Ponds #7 & #8 | New Development | 2004 |

| Small Water Project | Account | Year Approved |
|---|---|---|
| Springfield Ranch-Laramie Plains | New Development | 2004 |
| Vineyard Ranch Small Water Project | New Development | 2004 |
| Big Poddy Creek Pipeline | Rehabilitation | 2004 |
| Blakely Big Draw | Rehabilitation | 2004 |
| Double Tanks Pipeline | Rehabilitation | 2004 |
| Hay Creek Project | Rehabilitation | 2004 |
| Henthorne Pipeline | Rehabilitation | 2004 |
| Irvine Ranch Small Water Project | Rehabilitation | 2004 |
| Jones Bros. 2-B & #8 Reservoirs | Rehabilitation | 2004 |
| Little Jack Res., South Flat Top | Rehabilitation | 2004 |
| Lodgepole Water Project | Rehabilitation | 2004 |
| Mishurda Mtn. Ranch, Phase 2 Pipeline | Rehabilitation | 2004 |
| Morrisey Pipeline Rehabilitation | Rehabilitation | 2004 |
| Muley Meadows Pipeline | Rehabilitation | 2004 |
| Range Unit 38 Water Rocks Pipeline | Rehabilitation | 2004 |
| Range Unit 40 Crowheart Butte Pipeline | Rehabilitation | 2004 |
| Red Butte Water Project | Rehabilitation | 2004 |
| South Coffee Project | Rehabilitation | 2004 |
| Struempf Ponds | Rehabilitation | 2004 |
| Hall Butte Reservoir Project | New Development | 2005 |
| Upper Nowater Stock Well & Storage | New Development | 2005 |
| West Keester Project | New Development | 2005 |
| Canyon Springs Prairie Project | Rehabilitation | 2005 |
| Neiber Pipeline Project | Rehabilitation | 2005 |
| Pole Mountain Water Development | Rehabilitation | 2005 |
| Six Mile Spring Development | Rehabilitation | 2005 |
| Sun Land & Cattle Co. Project | Rehabilitation | 2005 |
| Upper Beaver creek Pipeline | Rehabilitation | 2005 |
| Bunch-Wetland Restoration | New Development | 2006 |
| Casey Jones Well | New Development | 2006 |
| Dull Center Well | New Development | 2006 |
| East Woody & NW Ireton Wells | New Development | 2006 |
| Frog Creek Well | New Development | 2006 |
| Gordon Well | New Development | 2006 |
| Hall Butte Range Water Development | New Development | 2006 |
| Hibbard Stock Rest Water Development | New Development | 2006 |
| Hills Well | New Development | 2006 |
| Iberlin Bobcat Well | New Development | 2006 |
| Iberlin Solar Well | New Development | 2006 |
| Jones Pond #1 Red Hole & Offsite | New Development | 2006 |
| Jones Pond #2 Red Hole | New Development | 2006 |
| Jones Pond #3 Red Hole | New Development | 2006 |
| Kaycee Stock Rest Water Development | New Development | 2006 |
| Lower Horse Section 35 Well | New Development | 2006 |
| M Creek Section 26 Well | New Development | 2006 |

| Small Water Project | Account | Year Approved |
|---|---|---|
| North M Creek | New Development | 2006 |
| Nuemiller Section 15 Well | New Development | 2006 |
| Nuemiller Upper Meadow Portable Solar | New Development | 2006 |
| Reed Pipeline | New Development | 2006 |
| Riehle Well | New Development | 2006 |
| Rochelle Hills Spring Development | New Development | 2006 |
| Rock Well | New Development | 2006 |
| Rothluetner Solar Well | New Development | 2006 |
| Russell Ranch Wetland Restoration | New Development | 2006 |
| South M Creek | New Development | 2006 |
| West Railroad Well | New Development | 2006 |
| 2 Coyote Pipeline | Rehabilitation | 2006 |
| 2 Coyote Storage | Rehabilitation | 2006 |
| 2 Coyote-East Pipeline | Rehabilitation | 2006 |
| Baird-Sand Draw Pipeline | Rehabilitation | 2006 |
| Downs Solar Pipeline | Rehabilitation | 2006 |
| East Pasture-South Pipeline | Rehabilitation | 2006 |
| Government Reservoir Water Development | Rehabilitation | 2006 |
| Hall Butte Stock Pond Rehab | Rehabilitation | 2006 |
| Henthorne Stock Ponds Rehab | Rehabilitation | 2006 |
| JJ Springs Water Development | Rehabilitation | 2006 |
| Jones Pipeline & Storage Tank | Rehabilitation | 2006 |
| Lona Solar | Rehabilitation | 2006 |
| Mud Springs/Arch Cr Water Development | Rehabilitation | 2006 |
| Reed Reservoir | Rehabilitation | 2006 |
| Rothleutner Stock Tanks | Rehabilitation | 2006 |
| Russell Ranch Stock Pond Rehab | Rehabilitation | 2006 |
| Tracy Solar Systems | Rehabilitation | 2006 |
| Tracy Wells | Rehabilitation | 2006 |
| Upper Antelope-Coal Bank Pipeline | Rehabilitation | 2006 |
| V-Ventures Below Frost Pipeline | Rehabilitation | 2006 |
| V-Ventures Boxcars Rehab | Rehabilitation | 2006 |
| V-Ventures West Kirby Pond Rehab | Rehabilitation | 2006 |
| V-Ventures-Wetland Rehab | Rehabilitation | 2006 |
| West Horse Underground Pipeline | Rehabilitation | 2006 |
| Whitt-Homestead Pipeline | Rehabilitation | 2006 |
| Little Grass Creek Water Development | New Development | 2008 |
| West Prospect, Otty, Urwin Pipeline | New Development | 2008 |
| Arkansas Creek Stockwater Pipeline | New Development | 2009 |
| Dickie 21/Bear Cr./Urwin 21 Pipeline | New Development | 2009 |
| Grass Creek Divide | New Development | 2009 |
| Horse Pasture Putney Flat Pipeline | New Development | 2009 |
| LU Farm Pivot Diversion | New Development | 2009 |
| North Prospect Pipeline | New Development | 2009 |
| Pats Draw Pipeline | New Development | 2009 |
| Putney School Section Pipeline | New Development | 2009 |

| Small Water Project | Account | Year Approved |
|---|---|---|
| Ramul 21 Pipeline | New Development | 2009 |
| Reds Creek Pasture Pipeline | New Development | 2009 |
| Spring Gulch Pipeline | New Development | 2009 |
| Wagonhound Spring Pipeline | New Development | 2009 |
| Jesse Brown Ditch Diversion | Rehabilitation | 2009 |
| Littlejohn Ditch Turnout | Rehabilitation | 2009 |
| Sawmill Creek Headgate | Rehabilitation | 2009 |
| Coal Bank Pipeline | New Development | 2010 |
| Keyton Creek Spring Development | New Development | 2010 |
| Lower Antelope North Pipeline | New Development | 2010 |
| Lower Antelope South Pipeline | New Development | 2010 |
| Rock Well Pipeline | New Development | 2010 |
| West Dorr 1-1 Well Pipeline | New Development | 2010 |
| West Spring Gulch Pipeline | New Development | 2010 |
| Wohlford TB-6A Well | New Development | 2010 |
| Bond #1 Well | Rehabilitation | 2010 |
| Bond #2 Well | Rehabilitation | 2010 |
| Enterprise Ditch Bifurcation | Rehabilitation | 2010 |
| Kirby Ditch Headgate | Rehabilitation | 2010 |
| M Creek Pipeline | Rehabilitation | 2010 |
| North M Creek 14-1 Well | Rehabilitation | 2010 |
| Airport Pipeline | New Development | 2011 |
| Dam Teresa | New Development | 2011 |
| East Alkali Pipeline | New Development | 2011 |
| Henthorne Solar Project | New Development | 2011 |
| Jones Pond #2 Diversion Pipeline | New Development | 2011 |
| Jones Wildhorse Spring Pipeline | New Development | 2011 |
| Lower Frog Creek Well | New Development | 2011 |
| Mesa Well | New Development | 2011 |
| MMR Lake Creek Spring Development | New Development | 2011 |
| MMR Rock Spring Development | New Development | 2011 |
| MMR Towers Spring Development | New Development | 2011 |
| Pellatz North Well | New Development | 2011 |
| River Well | New Development | 2011 |
| TB 231 | New Development | 2011 |
| West Alkali Pipeline | New Development | 2011 |
| Anita Ditch Pipeline | Rehabilitation | 2011 |
| West Allotment Pipeline | Rehabilitation | 2011 |
| 214 Jacobs W20-1 Well | New Development | 2012 |
| 216 Jacobs W29-1 Well | New Development | 2012 |
| 220 Jacobs TB081B Well | New Development | 2012 |
| Beef Pasture Pipeline | New Development | 2012 |
| Canyon Spring | New Development | 2012 |
| Cook Spring | New Development | 2012 |
| Edwards-Robinson South | New Development | 2012 |

| Small Water Project | Account | Year Approved |
|---|---|---|
| Hazen Draw | New Development | 2012 |
| Jim's Meadow Pipeline | New Development | 2012 |
| Kruse Ranch Dam | New Development | 2012 |
| Pellatz Pipeline | New Development | 2012 |
| Pellatz Spreader | New Development | 2012 |
| 246 Rothluetner | New Development | 2013 |
| BLM Wild Horse | New Development | 2013 |
| Dexter Pipeline | New Development | 2013 |
| Iberlin Pipeline | New Development | 2013 |
| Oaks Pasture | New Development | 2013 |
| Patterson Upland | New Development | 2013 |
| Reservoir #3 | New Development | 2013 |
| TB 020B Pipeline | New Development | 2013 |
| TB 099B | New Development | 2013 |
| BLM Solar Pump | Rehabilitation | 2013 |
| Ditch Creek Irrigation | Rehabilitation | 2013 |
| Ditch Creek Solar | Rehabilitation | 2013 |
| #1 Pat Sheehananigans | New Development | 2014 |
| 47 Ranch | New Development | 2014 |
| Baggs Grazing Allotment | New Development | 2014 |
| BLM Cottonwood Creek Pasture Water Development | New Development | 2014 |
| C Weber Wetland | New Development | 2014 |
| Cameron Upland Project 1 | New Development | 2014 |
| Coal Mine Spring Development | New Development | 2014 |
| E Black Thunder W20-1 | New Development | 2014 |
| Elk Mountain Spring | New Development | 2014 |
| Good Luck Well | New Development | 2014 |
| H&C Stock Water Well | New Development | 2014 |
| HB Lee Irrigation Return Flow Wetland | New Development | 2014 |
| Hog Eye Ranch - Little Savery Creek New Pasture Ponds | New Development | 2014 |
| Kester Coulee South Pipeline | New Development | 2014 |
| Ladder Livestock #1 | New Development | 2014 |
| McClanahan Well and Pipeline Project | New Development | 2014 |
| Muddy Creek Wetland Duck Pond #8 | New Development | 2014 |
| Otty Wagonhound Pipeline Project | New Development | 2014 |
| PH Livestock Alamosa Gulch | New Development | 2014 |
| PH Livestock Delaney Rim Well | New Development | 2014 |
| PH Livestock Fillmore Allotment Long Draw | New Development | 2014 |
| Steve Adams Irrigation Return Flow Wetland | New Development | 2014 |
| Stinking Water 1 Well and Pipeline | New Development | 2014 |
| Weber Ranch Doty Mountain Allotment | New Development | 2014 |
| Deep Creek Pasture Rehab 1 | Rehabilitation | 2014 |
| Casey Jones 49 | Rehabilitation | 2014 |
| Deep Creek Pasture Rehab 2 | Rehabilitation | 2014 |
| Deep Creek Pasture Rehab 3 | Rehabilitation | 2014 |

| Small Water Project | Account | Year Approved |
|---|---|---|
| Deep Hills Solar Conversion | Rehabilitation | 2014 |
| Hog Eye Ranch Little Savery Pasture Stock Pond | Rehabilitation | 2014 |
| Johnson Ranch Irrigation Diversion Structure | Rehabilitation | 2014 |
| Stoddard Place Irrigation Water Conveyance Pipeline | Rehabilitation | 2014 |
| TB 200 | Rehabilitation | 2014 |
| TB256 | Rehabilitation | 2014 |
| Willow Pasture Pond Reconstruction | Rehabilitation | 2014 |
| Willow Pasture Pond Repair | Rehabilitation | 2014 |
| 212 East W 25-1 | New Development | 2015 |
| 287 School W21-1 | New Development | 2015 |
| Battle MT Stock Ponds Kaisler | New Development | 2015 |
| Battle Mt Stock Ponds Ladder Livestock | New Development | 2015 |
| Carollo 001 Davis No. 2 Reservoir Enlargement | New Development | 2015 |
| Coyote Draw Pipeline and Tank | New Development | 2015 |
| CR 002 Seep/Spring Hoof Print | New Development | 2015 |
| CR 003 Bridger Well No 13 | New Development | 2015 |
| Cumberland Well #29 Pipeline | New Development | 2015 |
| Dunkley Oxbow Wetland | New Development | 2015 |
| Evans Stock Pond | New Development | 2015 |
| Graham Reservoir Enhancement | New Development | 2015 |
| Hoffman 001 Beaver Dam Creek Well | New Development | 2015 |
| Hog Eye Ranch Oxbow Wetlands | New Development | 2015 |
| Johnson Pipeline | New Development | 2015 |
| Julian 001 State Section Pipeline | New Development | 2015 |
| Kofford 001 Wildflower Spring Development | New Development | 2015 |
| Kofford 002 Clifford Spring Development | New Development | 2015 |
| Little Basin Spring Development, Pipeline and Tank | New Development | 2015 |
| Mayfield Cabin Spring | New Development | 2015 |
| Muddy Mountain Well #2 | New Development | 2015 |
| Muddy Mt Well #1 | New Development | 2015 |
| Purple Sage Stock Pond | New Development | 2015 |
| State Line Canal Steve Adams | New Development | 2015 |
| TB 17B | New Development | 2015 |
| Thompson Robinson West | New Development | 2015 |
| Walker 001 Pipeline | New Development | 2015 |
| Waterhouse Canyon | New Development | 2015 |
| Weber Stock Water Pipeline | New Development | 2015 |
| West Dad Wetland | New Development | 2015 |
| BLM Reservoirs Reconstruction and Pipe Installment 2015 | Rehabilitation | 2015 |
| Cottonwood Reservoir Rehabilitation | Rehabilitation | 2015 |
| Cow Camp Spring | Rehabilitation | 2015 |
| East Arkansas Pipeline Extensions and Point of Rocks | Rehabilitation | 2015 |
| Nelson Ditch Headgate and Diversion Structure | Rehabilitation | 2015 |
| Ojinaga Spring Development | Rehabilitation | 2015 |
| State Line Ditch Poison Basin Draw Headwall & Headgate | Rehabilitation | 2015 |

| Small Water Project | Account | Year Approved |
|---|---|---|
| State Line Ditch turn out #3 and check structure | Rehabilitation | 2015 |
| TB111 | Rehabilitation | 2015 |
| TB287 | Rehabilitation | 2015 |
| Tip Top Pond Repair | Rehabilitation | 2015 |
| Wadsworth Reservoir Rehabilitation | Rehabilitation | 2015 |
| Bad Spring Pond Reconstruction | New Development | 2016 |
| Cobb, Dutch Joe Well | New Development | 2016 |
| Cottonwood Well Banjo | New Development | 2016 |
| Little Savery Stock Pond | New Development | 2016 |
| Oppenheimer Water Well | New Development | 2016 |
| Powder Rim Pasture D Water Well | New Development | 2016 |
| Wildcat #5 Spring Development | New Development | 2016 |
| Wildcat Butte Well Rehabilitation | New Development | 2016 |
| Allen Place Buried Ditch | Rehabilitation | 2016 |
| Apex Ditch | Rehabilitation | 2016 |
| BLM Reservoir Reconstruction 2016 | Rehabilitation | 2016 |
| Cull Place Pipe, Buried Ditch, and Division Box | Rehabilitation | 2016 |
| Dexter Peak Ranch Stock Reservoir 2016 | Rehabilitation | 2016 |
| Hangout Well | Rehabilitation | 2016 |
| Hibben Ditch and Diversion Dam | Rehabilitation | 2016 |
| Red Creek #2 Well | Rehabilitation | 2016 |
| Snow Ditch Headgate Replacement | Rehabilitation | 2016 |
| Van Ditch | Rehabilitation | 2016 |
| Wadsworth Reservoir Leak Repair | Rehabilitation | 2016 |
| Badlands West Spring | New Development | 2017 |
| Cobb Dutch Joe Pipeline | New Development | 2017 |
| Little Savery State Lands Stock Pond | New Development | 2017 |
| McAllister State Lands Stock Ponds | New Development | 2017 |
| Peroulis R. Weber Stock Water Pond and Pit | New Development | 2017 |
| Red Wash Stock/Wetland Pond #9 | New Development | 2017 |
| Trough at Calf Pen - Roberts | New Development | 2017 |
| BLM Reservoir Reconstruction 2017 | Rehabilitation | 2017 |
| Corson Buried Irrigation Pipeline and Division Box | Rehabilitation | 2017 |
| Leo Reservoir Reconstruction - RI#920857 BLM | Rehabilitation | 2017 |
| Old Steve Adams Diversion | Rehabilitation | 2017 |
| Purple Sage Ranch Bank Stabilization 2017 | Rehabilitation | 2017 |
| Soaphole Ditch | Rehabilitation | 2017 |
| State Land Irrigation Improvements | Rehabilitation | 2017 |
| DC State Land Stock Reservoir | New Development | 2018 |
| Doty Mountain Allotment Stock Pond | New Development | 2018 |
| Little Snake Oxbow 4900 | New Development | 2018 |
| Little Snake Oxbow 6600 | New Development | 2018 |
| Little Snake Oxbow 7100 | New Development | 2018 |
| Red Creek Stock Reservoir | New Development | 2018 |
| Red Wash Pond 1A | New Development | 2018 |

| Small Water Project | Account | Year Approved |
|---|---|---|
| Red Wash Wetland #7 2018 | New Development | 2018 |
| TA Land and Cattle Livestock Pipeline | New Development | 2018 |
| Smith Ditch | Rehabilitation | 2018 |

**451. PROJECT:** **Smiths Fork Water Supply**
SPONSOR: Smiths Fork Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $340,000
ACTUAL EXPENDITURES: $307,027
DESCRIPTION: Diversion structure, headgate replacement and siphon
ENGINEER: Versar; Denver, CO
CONTRACTOR: Reiman Construction; Cheyenne, WY
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1991

**452. PROJECT:** **Smoot Water Supply**
SPONSOR: Greater Smoot Water and Sewer District
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $1,100,000
ACTUAL EXPENDITURES: $1,040,298
DESCRIPTION: Well, storage tank, spring improvements, pipeline
ENGINEER: Forsgren Associates; Evanston, WY
CONTRACTOR: JASCO; Evanston, WY
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1991

**453. PROJECT:** **South Big Horn County Pipeline**
SPONSOR: South Big Horn County Rural Water District
LOCATION: Big Horn County
PROGRAM: New Development
APPROPRIATION: $3,557,700
ACTUAL EXPENDITURES: $3,066,815
DESCRIPTION: Transmission pipeline west of Greybull and Basin
ENGINEER: DOWL, LLC; Sheridan WY
CONTRACTOR: Mountain View Building, Inc.; Sheridan, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2016

**454. PROJECT:** **South Circle Estates Water Supply**
SPONSOR: South Circle Estates Improvement and Service District
LOCATION: Washakie County
PROGRAM: New Development
APPROPRIATION: $480,000
ACTUAL EXPENDITURES: $304,117
DESCRIPTION: Design and construction of a transmission pipeline.

ENGINEER: 609 Consulting, LLC
CONTRACTOR: Wilson Brothers Construction, Inc.
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2011

**455. PROJECT: South Laramie Water Supply**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $2,638,170
ACTUAL EXPENDITURES: $1,397,246
DESCRIPTION: Transmission pipeline to serve south of Laramie.
ENGINEER: DOWL-HKM, Laramie WY
CONTRACTOR: Mechanical Systems, Inc., Cheyenne WY
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2010, 2012

**456. PROJECT: South of Laramie Water Supply**
SPONSOR: South of Laramie Water and Sewer District
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $3,146,400
ACTUAL EXPENDITURES: $1,771,887
DESCRIPTION: Storage tank, city connection, pipeline, controls
ENGINEER: Banner Associates; Laramie, WY
CONTRACTOR: Hedquist Construction; Casper, WY
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1993

**457. PROJECT: South Thermopolis Water Supply**
SPONSOR: South Thermopolis Water & Sewer District
LOCATION: Hot Springs County
PROGRAM: New Development
APPROPRIATION: $2,318,200
ACTUAL EXPENDITURES: $1,974,755
DESCRIPTION: Transmission pipeline and storage tank construction
ENGINEER: Engineering Associates; Thermopolis, WY
CONTRACTOR: Mountain View Builders; Sheridan, WY
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2010, 2015

**458. PROJECT: Southwest Casper Water Supply**
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,000,000
ACTUAL EXPENDITURES: $1,000,000
DESCRIPTION: Storage Tank and Pipeline
ENGINEER: Worthington Lenhart, Carpenter, Inc.
CONTRACTOR: Lobo, Inc.; Casper, WY
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1992

**459.** **PROJECT:** **Spring Draw Ditch**
SPONSOR: Spring Draw Irrigation District
LOCATION: Sheridan County
PROGRAM: Rehabilitation
APPROPRIATION: $350,000
ACTUAL EXPENDITURES: $288,925
DESCRIPTION: Ditch reclamation, and pipeline installation
ENGINEER: Pilch Engineering; Sheridan, WY
CONTRACTOR: Larry's Inc.; Gillette, WY
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1997

**460.** **PROJECT:** **Squaw Creek Water Supply**
SPONSOR: Squaw Creek Water District
LOCATION: Teton County
PROGRAM: New Development
APPROPRIATION: $580,000
ACTUAL EXPENDITURES: $530,297
DESCRIPTION: Wells, pipeline, storage
ENGINEER: AVI; Cheyenne, Wyoming
CONTRACTOR: G. M. Stewart Construction; Evanston, WY
DATE COMPLETED: 1998
SESSION LAW DATE: 1995

**461.** **PROJECT:** **Squaw Creek Water Supply**
SPONSOR: Squaw Creek Water District
LOCATION: Teton County
PROGRAM: Rehabilitation
APPROPRIATION: $308,200
ACTUAL EXPENDITURES: $308,200
DESCRIPTION: Well and Transmission
ENGINEER: AVI, Cheyenne, WY
CONTRACTOR: MD Landscaping, Driggs, ID
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2015

**462.** **PROJECT:** **Stage II Pipeline**
SPONSOR: City of Cheyenne
LOCATION: Carbon, Albany, Laramie Counties
PROGRAM: New Development
APPROPRIATION: $48,200,000
ACTUAL EXPENDITURES: $47,713,214
DESCRIPTION: Pipeline
ENGINEER: Banner Associates, Inc.; Laramie, WY
CONTRACTOR: Guernsey Stone; Sheridan, WY
DATE COMPLETED: 1993
SESSION LAW DATE: 1986

**463.** **PROJECT:** **Star Valley Ranch Water Supply**
SPONSOR: Town of Star Valley Ranch
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $4,995,000

ACTUAL EXPENDITURES: $4,836,822
DESCRIPTION: New water development including springs, pipelines, and tank
ENGINEER: Forsgren Associates, Inc.
CONTRACTOR: Kilroy LLC; Afton, WY
DePatco Inc.; St. Anthony, ID
WETCO; Sandy, UT
Westwood Curtis Construction Inc.; Jackson, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2009, 2010

**464. PROJECT: State Line Canal Diversion**
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $750,000
ACTUAL EXPENDITURES: $499,939
DESCRIPTION: Reconstruction of State Line Canal Diversion structure
ENGINEER: Natural Resources Conservation Service; Baggs, WY
CONTRACTOR: Perco Rock Co; Hilldale, UT
Inberg Miller; Riverton, WY
C&B Sand and Gravel; Baggs, WY
Valley Backhoe & Construction, Inc.; Baggs, WY
H.B. Lee Construction Co., Inc.; Baggs, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2014

**465. PROJECT: Sulphur Creek**
SPONSOR: City of Evanston
LOCATION: Uinta County
PROGRAM: New Development
APPROPRIATION: $25,000,000
ACTUAL EXPENDITURES: $19,758,207
DESCRIPTION: Dam, pipelines (2)
ENGINEER: Several
CONTRACTOR: Several
YEAR COMPLETED; 1990
SESSION LAW YEAR: 1985, 1986

**466. PROJECT: Sundance Meadows Water Supply**
SPONSOR: Sundance Meadows Water District
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $332,287
ACTUAL EXPENDITURES: $280,924
DESCRIPTION: Construction of transmission pipeline and appurtenances to serve the District water from the City of Douglas.
ENGINEER: CEPI, Casper, WY
CONTRACTOR: High Plains Construction, Inc.; Casper, WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2007

**467. PROJECT:** **Sundance PRV Improvements 2016**

| | |
|---|---|
| SPONSOR: | City of Sundance |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $137,350 |
| ACTUAL EXPENDITURES: | $ 84,926 |
| DESCRIPTION: | Upsize three pressure relief valves (PRVs) at the East, West, and 585 pressure reducing stations. Installation of new PRV bypass at the Cla-Val site. |
| ENGINEER: | Trihydro Corporation; Laramie, WY |
| CONTRACTOR: | Triple Creek, LLC; Gillette, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2016 |

**468. PROJECT:** **Sundance Storage Tank**

| | |
|---|---|
| SPONSOR: | Town of Sundance |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $945,850 |
| ACTUAL EXPENDITURES: | $923,878 |
| DESCRIPTION: | Storage |
| ENGINEER: | Tri-Hydro |
| CONTRACTOR: | EAI |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2012 |

**469. PROJECT:** **Sundance Tank**

| | |
|---|---|
| SPONSOR: | Town of Sundance |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $325,000 |
| ACTUAL EXPENDITURES: | $307,210 |
| DESCRIPTION: | Water storage tank |
| ENGINEER: | Bearlodge Ltd., Inc.; Sundance, WY |
| CONTRACTOR: | DRM, Inc.; Gillette, WY |
| DATE COMPLETED: | 2001 |
| SESSION LAW DATE: | 2000 |

**470. PROJECT:** **Sundance Transmission Pipeline 2016**

| | |
|---|---|
| SPONSOR: | City of Sundance |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $713,550 |
| ACTUAL EXPENDITURES: | $647,105 |
| DESCRIPTION: | New larger diameter transmission pipeline of PVC pipe to improve fire flows throughout the system and to the new elementary school |
| ENGINEER: | Trihydro Corporation; Laramie, WY |
| CONTRACTOR: | DRM, Inc.; Gillette, WY |
| YEAR COMPLETED: | 2018 |
| SESSION LAW YEAR: | 2016 |

**471. PROJECT:** **Sundance Well**

| | |
|---|---|
| SPONSOR: | Town of Sundance |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $685,000 |
| ACTUAL EXPENDITURES: | $684,394 |
| DESCRIPTION: | Construction of a new Minnelusa formation well and tie-in to the Town's existing transmission system. |
| ENGINEER: | Bearlodge, Inc.; Sundance, WY |
| CONTRACTOR: | Weston Engineering, Inc.; Upton, WY<br>Timberline Services, Inc.; Sundance, WY |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2007, 2009 |

**472. PROJECT:** **Sunset Pipeline**

| | |
|---|---|
| SPONSOR: | Sunset Ranch Water District |
| LOCATION: | Weston County |
| PROGRAM: | New Development |
| APPROPRIATION: | $556,612 |
| ACTUAL EXPENDITURES: | $258,175 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Stetson Engineering, Inc.; Gillette, WY |
| CONTRACTOR: | Site Work Specialists, Inc.; Rapid City, SD |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2004, 2007 |

**473. PROJECT:** **Superior Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Superior |
| LOCATION: | Sweetwater County |
| PROGRAM: | New Development |
| APPROPRIATION: | $40,000 |
| ACTUAL EXPENDITURES: | $30,880 |
| DESCRIPTION: | Groundwater well, pump station |
| ENGINEER: | Wester-Wetstein & Associates; Laramie, WY |
| CONTRACTOR: | Ward's Well Service; Riverton, WY |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1993 |

**474. PROJECT:** **Sweetwater Project**

| | |
|---|---|
| SPONSOR: | Sweetwater Improvement and Service District |
| LOCATION: | Weston County |
| PROGRAM: | New Development |
| APPROPRIATION: | $562,800 |
| ACTUAL EXPENDITURES: | $430,229 |
| DESCRIPTION: | Transmission Water line |
| ENGINEER: | Camp Creek Engineering; Laramie, WY |
| CONTRACTOR: | Sitework Specialists; Rapid City, SD |
| YEAR COMPLETED: | 2020 |
| SESSION LAW YEAR: | 2015 |

**475. PROJECT:** **Taylor Ditch Siphon**

| | |
|---|---|
| SPONSOR: | Taylor Watershed Improvement District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $496,915 |
| ACTUAL EXPENDITURES: | $446,890 |
| DESCRIPTION: | Replace Siphon |
| ENGINEER: | Anderson and Associates; Fort Collins, CO |
| CONTRACTOR: | Patrick Construction; Lander, WY |
| COMPLETION DATE | 2009 |
| SESSION LAW | 2008 |

**476. PROJECT:** **Ten Sleep Storage Tank**

| | |
|---|---|
| SPONSOR: | Town of Ten Sleep |
| LOCATION: | Washakie County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,540,000 |
| ACTUAL EXPENDITURES: | $1,276,637 |
| DESCRIPTION: | Design and construction of a dual transmission pipeline and water storage tank. |
| ENGINEER: | Lidstone and Associates, Inc. |
| CONTRACTOR: | Wilson Brothers Construction, Inc. |
| YEAR COMPLETED: | 2014 |
| SESSION LAW YEAR: | 2011 |

**477. PROJECT:** **Teton Village Water Supply**

| | |
|---|---|
| SPONSOR: | Teton Village Water and Sewer District |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $700,000 |
| ACTUAL EXPENDITURES: | $700,000 |
| DESCRIPTION: | Two wells, pipeline |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | Thomas Drilling; Afton, WY<br>H-K Construction; Idaho Falls, ID |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1992 |

**478. PROJECT:** **Teton Village Water Supply**

| | |
|---|---|
| SPONSOR: | Teton Village Water and Sewer District |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,447,500 |
| ACTUAL EXPENDITURES: | $52,915.43 (mainly used district funds) |
| DESCRIPTION: | Connect wells, flow metering, control building, emergency generator, chlorination |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | G E Johnson Construction Company; Colorado Springs, CO |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**479. PROJECT:** **Thayne Tank 2017**
SPONSOR: Town of Thayne
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $589,600.00
ACTUAL EXPENDITURES: $589,600.00
DESCRIPTION: Design and construction of a transmission pipeline.
ENGINEER: Sunrise Engineering; Cheyenne, WY
CONTRACTOR: Western Municipal.; Meeteetse, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2017

**480. PROJECT:** **Thayne Water Supply**
SPONSOR: Town of Thayne
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $850,000
ACTUAL EXPENDITURES: $726,222
DESCRIPTION: Springs development, well and transmission line
ENGINEER: Forsgren Associates Inc.; Evanston, WY
CONTRACTOR: Peavler's Mountain Star, Inc.; Afton, WY
SESSION LAW YEAR: 1998

**481. PROJECT:** **Thermopolis Pipeline Replacement 2017**
SPONSOR: Town of Thermopolis
LOCATION: Hot Springs County
PROGRAM: Rehabilitation
APPROPRIATION: $1,545,200
ACTUAL EXPENDITURES: $1,545,200
DESCRIPTION: Design and construction of new transmission pipelines.
ENGINEER: Engineering Associates; Thermopolis, WY
CONTRACTOR: Wilson Brothers Construction; Cowley, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2017

**482. PROJECT:** **Thermopolis Storage Replacement and Rehabilitation**
SPONSOR: Town of Thermopolis
LOCATION: Hot Springs County
PROGRAM: Rehabilitation
APPROPRIATION: $1,804,910
ACTUAL EXPENDITURES: $1,640,968
DESCRIPTION: Construction of transmission pipelines, booster pump station and a storage tank.
ENGINEER: Engineering Associates; Thermopolis, WY
CONTRACTOR: Wilson Brothers Construction; Cowley, WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2008

**483. PROJECT:** **Thirty Three Mile Water Supply**
SPONSOR: Thirty Three Mile Road Improvement & Service District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,044,486

ACTUAL EXPENDITURES: $ 955,712
DESCRIPTION: Construction of a water transmission system
ENGINEER: Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR: Andreen Hunt Construction, Inc.; Casper, WY
YEAR COMPLETED: 2003
SESSION LAW YEAR: 2000

**484. PROJECT: Torrington Raw Water**
SPONSOR: City of Torrington
LOCATION: Goshen County
PROGRAM: New Development
APPROPRIATION: $96,000
ACTUAL EXPENDITURES: $96,000
DESCRIPTION: Two irrigation wells, pumps, pipelines, controls
ENGINEER: Baker & Associates, Inc.; Scottsbluff, NE
CONTRACTOR: Scott & Son, Inc.; Torrington, WY
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2002

**485. PROJECT: Torrington Water Supply**
SPONSOR: City of Torrington
LOCATION: Goshen County
PROGRAM: New Development
APPROPRIATION: $4,500,000
ACTUAL EXPENDITURES: $3,391,795
DESCRIPTION: Three wells, pump station, pipeline, blending facilities
ENGINEER: Baker & Associates, Inc.; Scottsbluff, NE
CONTRACTOR: Charles Sargent Irrigation; Scottsbluff, NE
Strong Construction, Inc.; Torrington, WY
Ed Hawley, LLC; Torrington, WY
Timberline Electronic & Control Corp.; Morrison, CO.
YEAR COMPLETED: 2008
SESSION LAW YEAR: 1998, 2008

**486. PROJECT: Turnerville Water Supply Project**
SPONSOR: Turnerville Water and Sewer District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $743,994
ACTUAL EXPENDITURES: $678,616
DESCRIPTION: Transmission pipelines, spring rehabilitation, storage tank
ENGINEER: Forsgren Associates; Evanston, WY
CONTRACTOR: Associated Brigham Contractors, Inc.; Brigham City, UT
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2004, 2006

**487. PROJECT: Upper Bluff Rehabilitation**
SPONSOR: Upper Bluff Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation
APPROPRIATION: $436,000
ACTUAL EXPENDITURES: $399,913
DESCRIPTION: Pump stations (2), measuring devices, canal repairs

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|---|---|---|
| | ENGINEER: | Nelson Engineering; Jackson, WY |
| | CONTRACTOR: | Big Horn Red-Mix; Greybull, WY |
| | YEAR COMPLETED: | 1993 |
| | SESSION LAW YEAR: | 1980 |
| **488.** | **PROJECT:** | **Upper Hanover Water Supply** |
| | SPONSOR: | Hanover Irrigation District |
| | LOCATION: | Washakie County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $1,200,000 |
| | ACTUAL EXPENDITURES: | $1,086,100 |
| | DESCRIPTION: | Wasteways, flumes, canal lining |
| | ENGINEER: | Donnell & Associates; Worland, WY |
| | CONTRACTOR: | Big Horn Red-Mix; Greybull, WY<br>Pope Construction; Casper, WY |
| | YEAR COMPLETED; | 1994 |
| | SESSION LAW YEAR: | 1991 |
| **489.** | **PROJECT:** | **Upper Little Warm Springs Water Supply** |
| | SPONSOR: | Warm Springs Water District |
| | LOCATION: | Fremont County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,600,000 |
| | ACTUAL EXPENDITURES: | $1,426,485 |
| | DESCRIPTION: | Pipelines, pumps, storage tank, controls |
| | ENGINEER: | Jorgensen Engineering; Jackson, WY |
| | CONTRACTOR: | Foster Construction; Riverton, WY |
| | DATE COMPLETED: | 2001 |
| | SESSION LAW DATE: | 1996 |
| **490.** | **PROJECT:** | **Upton Tank Replacement** |
| | SPONSOR: | Town of Upton |
| | LOCATION: | Weston County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $158,800 |
| | ACTUAL EXPENDITURES: | $158,800 |
| | DESCRIPTION: | Water storage standpipe |
| | ENGINEER: | Wester-Wetstein & Associates, Inc.; Laramie, WY |
| | CONTRACTOR: | Salt Creek Welding, Inc.; Mills, WY |
| | DATE COMPLETED: | 2002 |
| | SESSION LAW DATE: | 2002 |
| **491.** | **PROJECT:** | **Upton Water Supply** |
| | SPONSOR: | Town of Upton |
| | LOCATION: | Weston County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $365,000 |
| | ACTUAL EXPENDITURES: | $328,375 |
| | DESCRIPTION: | Well and pipeline |

| | |
|---|---|
| ENGINEER: | Weston Engineering; Upton, WY<br>High Plains Engineering; Newcastle, WY |
| CONTRACTOR: | Cyclone Drilling; Gillette, WY<br>Sundance P&H; Sundance, WY |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1991, 1992 |

**492. PROJECT: Upton Well**

| | |
|---|---|
| SPONSOR: | Town of Upton |
| LOCATION: | Weston County |
| PROGRAM: | New Development |
| APPROPRIATION: | $395,000 |
| ACTUAL EXPENDITURES: | $50,360 |
| DESCRIPTION: | Connect an existing well to the Town's water system* |
| ENGINEER: | Bearlodge Engineering; Sundance, WY |
| CONTRACTOR: | None |
| YEAR COMPLETED: | 2016 |
| SESSION LAW YEAR: | 2009, 2014, 2015 |

*Following completion of the project design, the town could not obtain a WYDEQ well permit for the existing well. The project was terminated by the WWDC and the remaining funds were reverted back into Account I.

**493. PROJECT: Vista West Water Supply**

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|---|---|
| SPONSOR: | Vista West Water and Sewer District |
| LOCATION: | Crook County |
| PROGRAM: | New Development |
| APPROPRIATION: | $540,000 |
| ACTUAL EXPENDITURES: | $523,135 |
| DESCRIPTION: | Wells, pipeline, storage |
| ENGINEER: | Weston Engineering; Upton, WY |
| CONTRACTOR: | Dan Hart Patrol; Upton, WY<br>Water System Management; Gillette, WY |
| DATE COMPLETED: | 1998 |
| SESSION LAW DATE: | 1994 |

**494. PROJECT: Wamsutter Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Wamsutter |
| LOCATION: | Sweetwater County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $140,000 |
| ACTUAL EXPENDITURES: | $125,354 |
| DESCRIPTION: | Transmission Pipeline |
| ENGINEER: | PMPC; Saratoga, WY |
| CONTRACTOR: | Jackman Construction, Inc.; Green River, WY |
| COMPLETION DATE | June 2002 |
| SESSION LAW | 2001 |

**495. PROJECT: Wamsutter Water Supply Rehabilitation Project**

| | |
|---|---|
| SPONSOR: | Town of Wamsutter |
| LOCATION: | Sweetwater County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $258,500 |
| ACTUAL EXPENDITURES: | $258,500 |

| | | |
|---|---|---|
| | DESCRIPTION: | Construction of a methane stripping facility, new storage tank, transmission pipeline and connection of well to the town's elevated storage tank. |
| | ENGINEER: | Nelson Engineering; Jackson, WY |
| | CONTRACTOR: | Edward Hawley, LLC; Torrington, WY |
| | YEAR COMPLETED: | 2009 |
| | SESSION LAW YEAR: | 2006 |
| **496.** | **PROJECT:** | **Wamsutter Well** |
| | SPONSOR: | Town of Wamsutter |
| | LOCATION: | Sweetwater County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $542,700 |
| | ACTUAL EXPENDITURES: | $487,243 |
| | DESCRIPTION: | Complete ESS well and transmission pipeline |
| | ENGINEER: | PMPC; Saratoga, WY |
| | CONTRACTOR: | Mechanical Systems Inc.; Cheyenne, WY |
| | YEAR COMPLETED: | 2011 |
| | SESSION LAW YEAR: | 2009 |
| **497.** | **PROJECT:** | **Wamsutter Well 2010** |
| | SPONSOR: | Town of Wamsutter |
| | LOCATION: | Sweetwater County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $757,100 |
| | ACTUAL EXPENDITURES: | $352,720 |
| | DESCRIPTION: | Transmission pipeline and equipment to connect Well No. 9 to the Towns water system. |
| | ENGINEER: | PMPC Civil Engineers; Saratoga, WY |
| | CONTRACTOR: | Mechanical Systems, Inc.; Cheyenne, WY |
| | YEAR COMPLETED: | 2012 |
| | SESSION LAW YEAR: | 2010 |
| **498.** | **PROJECT:** | **Wardwell Water Supply Improvements** |
| | SPONSOR: | Wardwell Water and Sewer District |
| | LOCATION: | Natrona County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $4,602,900 |
| | ACTUAL EXPENDITURES: | $4,206,459 |
| | DESCRIPTION: | Constructed a new pump station, water storage tank and transmission pipeline. |
| | ENGINEER: | 609 Consulting LLC, Casper WY |
| | CONTRACTOR: | Hedquist Construction, Inc. Casper WY, Engineering America West, Inc. Loveland CO, and Andreen Hunt Construction, Inc Casper WY. |
| | YEAR COMPLETED: | 2013 |
| | SESSION LAW YEAR: | 2008 |
| **499.** | **PROJECT:** | **Washakie Rural Water Supply Project** |
| | SPONSOR: | Washakie Rural Improvement and Service District |
| | LOCATION: | Washakie County |
| | PROGRAM: | New Construction |
| | APPROPRIATION: | $11,263,000 |

| | | |
|---|---|---|
| | ACTUAL EXPENDITURES: | $ 9,879,591 |
| | DESCRIPTION: | A rural potable water system extending from the Hot Springs County line on the south to the Big Horn County line on the north and encompasses most of the private lands along both sides of the Big Horn River. The project also includes construction of the water transmission and distribution system. Potable water storage tanks and a booster pumping facility were also constructed. |
| | ENGINEER: | BRS, Inc.; Riverton, WY<br>Engineering Associates; Cody, WY |
| | CONTRACTOR: | Brandon Construction; Powell, WY<br>Phase I and II<br>LAMAX Construction; Basin, WY<br>Phases II, IV and V |
| | YEAR COMPLETED: | 2008 |
| | SESSION LAW YEAR: | 1999, 2001, 2003, 2004, and 2006 |
| **500.** | **PROJECT:** | **Weather Modification Bighorn, Laramie, Medicine Bow and Sierra Madre Mountains-2016** |
| | SPONSOR: | State of Wyoming |
| | LOCATION: | Bighorn, Laramie, Medicine Bow and Sierra Madre Ranges: Albany, Big Horn, Carbon, Converse, Johnson, Laramie, Platte, Natrona, Sheridan, and Washakie Counties |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $1,447,500.00 |
| | ACTUAL EXPENDITURES: | $1,393,071.69 |
| | DESCRIPTION: | Feasibility & Design Studies; Airborne Operations (2019) |
| | CONTRACTOR: | Desert Research Institute – Reno, NV; National Center for Atmospheric Research – Boulder, CO; and Weather Modification, Inc. – Fargo, ND |
| | YEAR COMPLETED: | 2019 |
| | SESSION LAW YEAR: | 2015 |
| **501.** | **PROJECT:** | **Weather Modification Medicine Bow Mountains 2019-2020** |
| | SPONSOR: | State of Wyoming |
| | FUNDING PARTNERS: | City of Cheyenne Board of Public Utilities, Jackson County (CO) Water Conservancy District |
| | LOCATION: | Medicine Bow and Sierra Madre Mountain Ranges (Wyoming), Never Summer Mountain Range (Colorado) |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $ 589,000 (State of Wyoming + Admin) |
| | ACTUAL EXPENDITURES: | $ 640,061.66 ($523,576.55 WY; $116,485.11 External) |
| | DESCRIPTION: | Operational cloud seeding – Winter ‘19-20 |
| | CONTRACTOR: | Weather Modification, Inc.; Fargo, ND |
| | YEAR COMPLETED: | 2020 |
| | SESSION LAW YEAR: | 2019 |

**502. PROJECT:** **Weather Modification – Wind River Mountains**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| FUNDING PARTNERS: | Arizona Department of Water Resources, Central Arizona Project, Colorado River Board of California – Six Agency Committee, Southern Nevada Water Authority, Utah Department of Natural Resources |
| LOCATION: | Wind River Range, Fremont and Sublette Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $240,000 (State of Wyoming Cost Share) |
| ACTUAL EXPENDITURES: | $683,649* ($170,912 WY; $512,737 External)<br>*Includes USBR funded NCAR research as part of project |
| DESCRIPTION: | Operational cloud seeding – Winter '14-15 |
| CONTRACTOR: | Weather Modification, Inc.; Fargo, ND |
| YEAR COMPLETED: | 2015 |
| SESSION LAW YEAR: | 2014 |

**503. PROJECT:** **Weather Modification – Wind River Mountains 2016**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| FUNDING PARTNERS: | Arizona Department of Water Resources, Central Arizona Project, Colorado River Board of California – Six Agency Committee, and Southern Nevada Water Authority |
| LOCATION: | Wind River Range, Fremont and Sublette Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $170,000 (State of Wyoming Cost Share) |
| ACTUAL EXPENDITURES: | $475,224.65 ($123,894 WY; $351,331 External) |
| DESCRIPTION: | Operational cloud seeding – Winter '15-16 |
| CONTRACTOR: | Weather Modification, Inc.; Fargo, ND |
| YEAR COMPLETED: | 2016 |
| SESSION LAW YEAR: | 2015 |

**504. PROJECT:** **Weather Modification - Wind River Mountains 2017**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| FUNDING PARTNERS: | Central Arizona Project, Colorado River Board of California – Six Agency Committee, and Southern Nevada Water Authority |
| LOCATION: | Wind River Range, Fremont and Sublette Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $160,000 (State of Wyoming Cost Share) |
| ACTUAL EXPENDITURES: | $417,851.44 ($104,462.86 WY; $313,388.58 External) |
| DESCRIPTION: | Operational cloud seeding – Winter '16-17) |
| CONTRACTOR: | Weather Modification, Inc.; Fargo, ND |
| YEAR COMPLETED: | 2017 |
| SESSION LAW YEAR: | 2016 |

**505. PROJECT:** **Weather Modification - Wind River Mountains 2018**

| | |
|---|---|
| SPONSOR: | State of Wyoming |
| FUNDING PARTNERS: | Central Arizona Project, Colorado River Board of California – Six Agency Committee, and Southern Nevada Water Authority |
| LOCATION: | Wind River Range, Fremont and Sublette Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $155,000 (State of Wyoming Cost Share) |

ACTUAL EXPENDITURES: $333,448.15 ($88,362.04 WY; $250,086.11 External)
DESCRIPTION: Operational cloud seeding – Winter '17-18
CONTRACTOR: Weather Modification, Inc.; Fargo, ND
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2017

**506. PROJECT: Weather Modification - Wind River Mountains 2019**
SPONSOR: State of Wyoming
FUNDING PARTNERS: Central Arizona Project, Colorado River Board of California – Six Agency Committee, Southern Nevada Water Authority, Genesis Alkali, Ciner Wyoming, TATA Chemicals, Solvay Minerals, Rocky Mountain Power.
LOCATION: Wind River Range, Fremont and Sublette Counties
PROGRAM: New Development
APPROPRIATION: $80,000 (State of Wyoming Cost Share + Admin)
ACTUAL EXPENDITURES: $355,782.02 ($75,782.02 WY; $280,000 External)
DESCRIPTION: Operational cloud seeding – Winter '18-19
CONTRACTOR: Weather Modification, Inc.; Fargo, ND
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2018

**507. PROJECT: Weather Modification Wind River Mountains 2019-2020**
SPONSOR: State of Wyoming
FUNDING PARTNERS: Central Arizona Project, Colorado River Board of California – Six Agency Committee, Southern Nevada Water Authority, Genesis Alkali, Ciner Wyoming, Solvay Minerals, Rocky Mountain Power, Green River/Rock Springs/Sweetwater Co. Joint Powers Water Board.
LOCATION: Wind River Range, Fremont and Sublette Counties
PROGRAM: New Development
APPROPRIATION: $ 175,000 (State of Wyoming + Admin)
ACTUAL EXPENDITURES: $ 460,908 ($170,000 WY; $290,908 External)
DESCRIPTION: Operational cloud seeding – Winter '19-20
CONTRACTOR: Weather Modification, Inc.; Fargo, ND
YEAR COMPLETED: 2020
SESSION LAW YEAR: 2019

**508. PROJECT: Wheatland Pipelines**
SPONSOR: Town of Wheatland
LOCATION: Platte County
PROGRAM: New Development
APPROPRIATION: $522,600
ACTUAL EXPENDITURES: $492,481
DESCRIPTION: New Transmission pipeline
ENGINEER: Engineering Associates; Laramie, WY
CONTRACTOR: Mountain View Builders Inc.; Sheridan, WY
YEAR COMPLETED: 2019
SESSION LAW YEAR: 2016

**509. PROJECT:** **Westside/Rock Springs Water Supply**

| | |
|---|---|
| SPONSOR: | City of Green River/City of Rock Springs/Sweetwater County Joint powers Water Board |
| LOCATION: | Sweetwater County |
| PROGRAM: | New Development & Rehabilitation |
| APPROPRIATION: | $450,000 – New Development $625,000 - Rehabilitation |
| ACTUAL EXPENDITURES: | $450,000 – New Development $600,390-Rehabilitation |
| DESCRIPTION: | Transmission mains |
| ENGINEER: | Nelson Engineering Inc.; Jackson, WY |
| CONTRACTOR: | Patrick Construction Inc.; Lander, WY |
| YEAR COMPLETED: | 2001 |
| SESSION LAW YEAR: | 1998 |

**510. PROJECT:** **Wheatland – Black Mountain Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Wheatland |
| LOCATION: | Platte County |
| PROGRAM: | New Development |
| APPROPRIATION: | $100,000 |
| ACTUAL EXPENDITURES: | $ 99,455 |
| DESCRIPTION: | Drilling Black Mountain No. 3 well |
| ENGINEER: | Wester-Wetstein & Associated, Inc.; Laramie, WY |
| CONTRACTOR: | D.C. Drilling Co.; Lusk, WY |
| YEAR COMPLETED | 2004 |
| SESSION LAW YEAR | 2003 |

**511. PROJECT:** **Wheatland Black Mountain II Water Supply Project**

| | |
|---|---|
| SPONSOR: | Town of Wheatland |
| LOCATION: | Platte County |
| PROGRAM: | New Development |
| APPROPRIATION: | $222,440 |
| ACTUAL EXPENDITURES: | $222,440 |
| DESCRIPTION: | Pump, pump house, transmission line |
| ENGINEER: | Wester-Wetstein & Associates; Laramie, WY |
| CONTRACTOR: | Edward Halley, LLC, Torrington; WY |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2007 |

**512. PROJECT** **Wheatland Irrigation District Laramie River Diversion Improvements**

| | |
|---|---|
| SPONSOR: | Wheatland Irrigation District |
| LOCATION: | Platte County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $456,500 |
| ACTUAL EXPENDITURES: | $384,638 |
| DESCRIPTION: | Headgate structure replacement, automation |
| ENGINEER: | Kennedy Engineering; Wheatland, WY |
| CONTRACTOR: | Foster Construction; Riverton, WY<br>Sutron Corporation; Sterling, VA |
| DATE COMPLETED: | 2002 |
| SESSION LAW DATE: | 1997 |

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|---|---|---|
| **513.** | **PROJECT:** | **Wheatland Irrigation District Rehabilitation 2015** |
| | SPONSOR: | Wheatland Irrigation District |
| | LOCATION: | Platte |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $874,350 |
| | ACTUAL EXPENDITURES: | $313,810 |
| | DESCRIPTION: | Dam outlet works rehabilitation |
| | ENGINEER: | Anderson Consulting Engineers, Fort Collins, CO |
| | CONTRACTOR: | 71 Construction, Casper, WY |
| | YEAR COMPLETED: | 2019 |
| | SESSION LAW YEAR: | 2015 |

| | | |
|---|---|---|
| **514.** | **PROJECT:** | **Wheatland No. 7 Well** |
| | SPONSOR: | Town of Wheatland |
| | LOCATION: | Platte County |
| | PROGRAM: | New Development |
| | APPROPRIATION: | $ 502,500 |
| | ACTUAL EXPENDITURES: | $ 349,457 |
| | DESCRIPTION: | Design and construction of new well and connection. |
| | ENGINEER: | Wester-Wetstein & Associates, Laramie, WY |
| | CONTRACTOR (Well) | Charles Sargent Irrigation, Inc., Broken Bow, NE |
| | CONTRACTOR (Connection) | High Plains Construction, Inc., Casper, WY |
| | YEAR COMPLETED: | 2017 |
| | SESSION LAW YEAR: | 2015 |

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|---|---|---|
| **515.** | **PROJECT:** | **Wheatland Rehabilitation 2011** |
| | SPONSOR: | Wheatland Irrigation District |
| | LOCATION: | Platte County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $723,600 |
| | ACTUAL EXPENDITURES: | $583,690 |
| | DESCRIPTION: | King and Dutton reservoir outlets works, Deadhead Wasteway rehabilitation |
| | ENGINEER: | Anderson Consulting Engineers; Ft. Collins, CO |
| | CONTRACTOR: | Dietzler Construction; Yoder, WY; Norb Olind Construction; Wheatland, WY |
| | YEAR COMPLETED: | 2016 |
| | SESSION LAW YEAR: | 2011 |

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|---|---|---|
| **516.** | **PROJECT:** | **Wheatland Re-regulating Reservoirs** |
| | SPONSOR: | Wheatland Irrigation District |
| | LOCATION: | Platte, Albany, Carbon County |
| | PROGRAM: | Rehabilitation |
| | APPROPRIATION: | $150,080 |
| | ACTUAL EXPENDITURES: | $ 74,591 |
| | DESCRIPTION: | Gudahl Res., automate gate on Lower No. 1 Canal |
| | ENGINEER: | States West Water Resources; Cheyenne, WY |
| | MATERIALS: | Rubicon Systems America; Loveland, CO |
| | YEAR COMPLETED: | 2010 |
| | SESSION LAW YEAR: | 2006 |

**517. PROJECT:** **Wheatland Reservoir No. 1**

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|---|---|
| SPONSOR: | Wheatland Irrigation District |
| LOCATION: | Platte County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $392,000 |
| ACTUAL EXPENDITURES: | $ 80,288 |
| DESCRIPTION: | Dam rehabilitation |
| ENGINEER: | States West Water Resources Corp.; Cheyenne, WY |
| CONTRACTOR: | Lamax Construction; Basin, WY |
| DATE COMPLETED: | 1994 |
| SESSION LAW DATE: | 1992 |

**518. PROJECT:** **Wheatland Sand Lake Dam/Canon Canal Rehab.**

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|---|---|
| SPONSOR: | Wheatland Irrigation District |
| LOCATION: | Platte County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $632,000 |
| ACTUAL EXPENDITURES: | $525,448 |
| DESCRIPTION: | Canal lining, new outlet, spillway on Sand Lake Dam |
| ENGINEER: | Inberg-Miller Engineers, Inc.; Casper, WY |
| CONTRACTOR: | Three Sons, LLC; Hanna, WY |
| DATE COMPLETED: | 2003 |
| SESSION LAW DATE: | 1998 |

**519. PROJECT:** **Wheatland Water Supply**

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|---|---|
| SPONSOR: | Town of Wheatland |
| LOCATION: | Platte County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $222,000 |
| ACTUAL EXPENDITURES: | $203,916 |
| DESCRIPTION: | Construction of a new well, installation of new storage facilities and piping to connect the improvements to the Town's water system. |
| ENGINEER: | Kennedy Engineering; Wheatland, WY |
| CONTRACTOR: | Scott & Son, Inc.; Torrington, WY |
| YEAR COMPLETED: | 2003 |
| SESSION LAW YEAR: | 2001 |

**520. PROJECT:** **Wild Rose Water Supply**

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|---|---|
| SPONSOR: | Wild Rose Service and Improvement District |
| LOCATION: | Sheridan County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $126,000 |
| ACTUAL EXPENDITURES: | $126,000 |
| DESCRIPTION: | Canal, pipeline, reservoir |
| ENGINEER: | Centennial Engineering; Sheridan, WY |
| CONTRACTOR: | Fletcher Construction; Sheridan, WY |
| YEAR COMPLETED: | 1987 |
| SESSION LAW YEAR: | 1987 |

**521.** **PROJECT:** **Willwood Dam Rehabilitation**
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $480,000
ACTUAL EXPENDITURES: $305,111
DESCRIPTION: Dam repairs
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Cop Construction; Billings, MT
YEAR COMPLETED: 1992
SESSION LAW YEAR: 1990

**522.** **PROJECT:** **Willwood Dam Rehabilitation**
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $1,620,000
ACTUAL EXPENDITURES: $1,106,280
DESCRIPTION: Replacement of multiple gates, controls, automation, and power backup at existing dam structure
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: Sletten Construction; Cody, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2012

**523.** **PROJECT:** **Willwood Irrigation District Rehabilitation 2014**
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $164,000
ACTUAL EXPENDITURES: $122,870
DESCRIPTION: Automate Gates on Willwood Draw Check & Spillway
ENGINEER: Sage Civil Engineering; Cody, WY
CONTRACTOR: Willwood Irrigation District
MATERIALS: Rubicon Systems America; Fort Collins, CO
YEAR COMPLETED: 2015
SESSION LAW YEAR: 2014

**524.** **PROJECT:** **Willwood Irrigation District Rehabilitation 2016**
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $533,000
ACTUAL EXPENDITURES: $260,381
DESCRIPTION: Converting segment of ditch to buried pipe
ENGINEER: Engineering Associates; Cody, WY
CONTRACTOR: J&E Irrigation; Basin, WY
YEAR COMPLETED: 2018
SESSION LAW YEAR: 2016

**525. PROJECT:** **Willwood Rehabilitation 2009**

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|---|---|
| SPONSOR: | Willwood Irrigation District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $284,000 |
| ACTUAL EXPENDITURES: | $112,015 |
| DESCRIPTION: | Replace ditch with buried pipe on Lateral 131 |
| ENGINEER: | Engineering Associates, Inc.; Cody, WY |
| MATERIALS: | J&E Irrigation, Inc.; Basin, WY |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2009 |

**526. PROJECT:** **Willwood Rehabilitation 2010**

| | |
|---|---|
| SPONSOR: | Willwood Irrigation District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,500,000 |
| ACTUAL EXPENDITURES: | $1,326,905 |
| DESCRIPTION: | Replace ditch with buried pipe on Lateral 84 |
| ENGINEER: | Sage Civil Engineering; Cody, WY |
| MATERIALS: | Waterworks Irrigation, Inc.; Ralston, WY |
| YEAR COMPLETED: | 2014 |
| SESSION LAW YEAR: | 2010, 2011 |

**527. PROJECT:** **Wind River Irrigation**

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|---|---|
| SPONSOR: | Eastern Shoshone and Northern Arapaho Tribes |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $3,500,000 |
| ACTUAL EXPENDITURES: | $3,467,834 |
| DESCRIPTION: | Rehabilitation |
| ENGINEER: | Various |
| CONTRACTOR: | Various |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 2015 |

**528. PROJECT:** **Worland Eastside Transmission Line**

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|---|---|
| SPONSOR: | City of Worland |
| LOCATION: | Washakie County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $2,650,000 |
| ACTUAL EXPENDITURES: | $1,630,335 |
| DESCRIPTION: | Construction of a water pipeline. |
| ENGINEER: | Donnell & Allred, Inc. Worland WY |
| CONTRACTOR: | Ahanu Construction, Inc. Billings MT |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2009 |

**529. PROJECT:** **Wright Water Supply**

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|---|---|
| SPONSOR: | Town of Wright |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $450,000 |

ACTUAL EXPENDITURES: $231,591
DESCRIPTION: Well, pipeline
ENGINEER: J.M. Montgomery; Laramie, WY
CONTRACTOR: Larry's Inc.; Gillette, WY
YEAR COMPLETED: 1989
SESSION LAW YEAR: 1987

**530. PROJECT: Wright Water Supply**
SPONSOR: Wright Water and Sewer District
LOCATION: Campbell County
PROGRAM: Rehabilitation
APPROPRIATION: $50,000
ACTUAL EXPENDITURES: $50,000
DESCRIPTION: Well and pipe rehabilitation
ENGINEER: Bruce Engineering; Gillette, WY
CONTRACTOR: Weston Groundwater Engineering; Upton, WY
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1997

**531. PROJECT: Wright Water Supply 2011**
SPONSOR: Wright Water & Sewer District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $1,809,000
ACTUAL EXPENDITURES: $1,263,034
DESCRIPTION: RJ-3 well house / RJ-7 well connection, transmission pipeline
ENGINEER: HDR, Gillette, WY
CONTRACTOR: Construction Dynamics, Casper, WY / DRM, Gillette, WY
YEAR COMPLETED: 2014
SESSION LAW YEAR: 2011/2012

**532. PROJECT: Wright Well and Pipeline**
SPONSOR: Wright Water & Sewer District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $600,000
ACTUAL EXPENDITURES: $330,805
DESCRIPTION: Installation of well pumping equipment, control building, SCADA controls and transmission pipelines.
ENGINEER: Stetson Engineering, Inc.
CONTRACTOR: Hot Iron, Inc.
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2002

**533. PROJECT: Yoder Water Supply**
SPONSOR: Town of Yoder
LOCATION: Goshen County
PROGRAM: New Development
APPROPRIATION: $577,200
ACTUAL EXPENDITURES: $433,391
DESCRIPTION: Pump facilities and transmission pipeline

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|---|---|
| ENGINEER: | Banner Associates; Laramie, WY |
| CONTRACTOR: | Interstate Irrigation; Yuma, CO |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1990, 1991 |

**534.**

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|---|---|
| **PROJECT:** | **Yoder Water Supply** |
| SPONSOR: | Town of Yoder |
| LOCATION: | Goshen County |
| PROGRAM: | New Development |
| APPROPRIATION: | $180,000 |
| ACTUAL EXPENDITURES: | $179,232 |
| DESCRIPTION: | Completion of Level II well and connection to water supply system |
| ENGINEER: | Camp Creek Engineering; Laramie, WY |
| CONTRACTOR: | Goshen County Construction; Torrington, WY |
| YEAR COMPLETED: | 2013 |
| SESSION LAW YEAR: | 2011 |

**535.**

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|---|---|
| **PROJECT:** | **Yoder Water Well** |
| SPONSOR: | Town of Yoder |
| LOCATION: | Goshen County |
| PROGRAM: | New Development |
| APPROPRIATION: | $30,000 |
| ACTUAL EXPENDITURES: | $14,722 |
| DESCRIPTION: | Drilled a well |
| ENGINEER: | Wells Engineering; Lusk, WY |
| CONTRACTOR: | Midwest Farm Service; Scottsbluff, NE |
| DATE COMPLETED: | 1987 |
| SESSION LAW DATE: | 1986 |