2019
LEGISLATIVE REPORT

Small Water Projects

WYOMING WATER DEVELOPMENT COMMISSION

2019 LEGISLATIVE REPORT
WYOMING WATER DEVELOPMENT PROGRAM

Wyoming Water Development Commission (029)
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December 2019

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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, 2019 Account Balance
Fontenelle Reservoir	120,000	3,533,978
Buffalo Bill Dam	187,940	20,706,911
Palisades Reservoir	33,000	504,619
Miscellaneous Water Investment	5,000	62,503
High Savery Reservoir	22,433	1,225,077
Pathfinder Modification	53,493	9,060,457
Glendo Reservoir	10,600	929,473
Keyhole Reservoir	0	0.00
Lake DeSmet Reservoir/ Healy Reservoir	62,199 / 5,140	1,992,798
Middle Piney Reservoir	4,201	505,619

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 16, 2019, 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 excess funds in one account, the Buffalo Bill Dam account. It is recommended to transfer $7,000,000 to WDA II (redirect from WDA I) in FY 2020. This transfer is subject to the approval of the full legislature.

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: Annual BOR O&M charges in Seminoe Reservoir that are attributable to excess Cheyenne Stage II water made available to the WWDC.
- 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, 2019 Account Balance**
Platte River Basin Endangered Species	7,800,259

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 142 instream flow filings exist within the State of Wyoming. Each of these filings represents a separate instream flow segment. Out of these, 18 are in the preliminary application stage, 74 are currently permitted by the State Engineer's Office (SEO), 44 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. There has been an instream flow application for 5 new instream flow segments submitted to the SEO. A feasibility study will commence in late 2019 or early 2020. Effective July 1, 2018, the cost of instream flow feasibility studies moved from the Water Development Commission to the Game and Fish Commission.

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, $6,850,000 have been appropriated for the new development small water project program and $3,350,000 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 $7,966,528 for the 2019-2020 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 $13,410,021 for the 2019-2020 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 $345,000 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 $6,850,000 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 $1,062,315 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 $3,350,000 in the rehabilitation component of the program.

2. Other-As of June 2019, over $15,500,000 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 $42 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. 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 2019 by Water Development Account (WDA) I, II, and III:

	Percentage (%) of Total Expenditures		
Sector	WDA I	WDA II	WDA III*
Multi-purpose	10.9	4.3	42.4
Agriculture	9.5	49.4	53.3
Municipal	50.2	38.6	4.3
Special Districts	6.3	2.0	-
Legal	3.2	3.8	-
Non-Project	19.9	1.9	-

*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, 2019, there are projects with appropriations in excess of $488M 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.

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. 2020 Preliminary Funding Recommendations:

Summary-2020 Omnibus Water Bill-Planning Preliminary Recommendations

Level I Projects-New Development	County	WDA I	WDA II	WDA III
Bridger Valley Regional Water Master Plan	Uinta	$100,000		
Cody Water Master Plan	Park	$205,000		
LaGrange Water Master Plan	Goshen	$114,000		
Lower Shoshone Watershed Study	Big Horn/Park	$231,000		
Pavillion Water Master Plan	Fremont	$135,000		
Pinedale Water Master Plan	Sublette	$172,000		
Sheridan Municipal Watershed Wildfire Hazard Mitigation Assessment, Phase II	Sheridan	$120,000		
Shoshoni Water Master Plan	Fremont	$157,000		
UW Water Research Program	Statewide	$ 445,683		
Subtotal		$1,679,683		

Level II Projects-New Development	County	WDA I	WDA II	WDA III
Happy Valley Water Supply	Lincoln	$59,000		
Skyline ISD Water Supply	Teton	$93,000		
South End Water Users ISD Transmission	Big Horn	$142,000		
Subtotal		$294,000		

Level I Projects-Rehabilitation	County	WDA I	WDA II	WDA III
Owl Creek ID Lucerne Master Plan	Hot Springs		$170,000	
Subtotal			$170,000	

Level II Projects-Rehabilitation	County	WDA I	WDA II	WDA III
Highland Hanover ID Pump Station	Washakie		$75,000	
LaPrele Irrigation District Rehabilitation	Converse		$120,000	
Subtotal			$195,000	

General		WDA I	WDA II	WDA III
UW Office of Water Programs	Statewide	$175,000		
Subtotal		$175,000		

2020 Omnibus Water Bill-Planning Preliminary Total	**$2,148,683**	**$365,000**

Summary-2020 Omnibus Water Bill-Construction Preliminary Recommendations

Level III Projects-New Development	County	WDA I	WDA II	WDA III
Big Horn Regional Transmission 2020	Washakie	$4,361,700		
Cheyenne Transmission, Pump Station & Tank 2020	Laramie	$8,281,200		
Cloud Seeding - MB/SM/LR Ranges 2021	Albany/Carbon/ Converse/Laramie	$705,000		
Cloud Seeding - Wind River Range 2021	Fremont/Sublette	$200,000		
Gillette Regional Extensions - Phase V 2020	Campbell	$3,088,700		
Glenrock Transmission Pipeline 2020	Converse	$958,100		
Guernsey Transmission Pipeline 2020	Platte	$2,063,600		
Newcastle Water System Improvements 2020	Weston	$113,900		
Northwest Rural Water System Improvements 2020	Park	$676,700		
Sheridan Area Water Supply Transmission 2020	Sheridan	$3,102,100		
Subtotal		$23,551,000		

Level III Projects-Rehabilitation	County	WDA I	WDA II	WDA III
Big Horn Canal ID Wasteway/Check Replacement 2020	Big Horn		$1,660,000	
Cottonwood Irrigation District Transmission Pipeline 2020	Lincoln		$1,540,000	
Deaver ID Frannie Canal Drop Chute #1 2020	Big Horn/Park		$166,200	
Dry Creek ID Transmission Pipeline Replacement 2020	Lincoln		*$1,340,000	
Eden Valley I&DD Farson Lateral 2020	Sweetwater		*$2,262,000	
Enterprise WID Canal Lining 2020	Fremont		$610,000	
Kirby Ditch ID Pipeline 2020	Hot Springs		$2,310,000	
Laramie Valley Diversion Structure 2020	Albany		$1,150,000	
Savery-Little Snake River WCD Savery Creek Diversion 2020	Carbon		$301,500	
Sidon ID Sidon Canal 2020	Big Horn		$1,060,000	
Subtotal			$12,399,700	

Amendments to Prior Appropriations	County	WDA I	WDA II	WDA III
Arapahoe Pipeline and Tank	Fremont	Time extension to 7/1/2023		
Casper Zone II 2015	Natrona	Time extension to 7/1/2021		
Gillette Madison Pipeline	Campbell	Time extension to 7/1/2022		
GR/RS/SC Raw Water Reservoir	Sweetwater	Time extension to 7/1/2022		
Lander Storage Tanks and Pump Station 2019	Fremont	$3,423,700		

Summary-2019 Omnibus Water Bill-Construction Preliminary Recommendations Continued

Amendments to Prior Appropriations	County	WDA I	WDA II	WDA III
Laramie North Side Tank	Albany		Time extension to 7/1/2022	
Lower Nowood Rural Water Supply	Washakie		Time extension to 7/1/2022	
Riverton Water Supply	Fremont	$737,000		
Small Water Project Program - New Development	Statewide	$1,000,000		
Wheatland ID Tunnel Dam Rehabilitation 2019	Platte		$5,150,000	
Small Water Projects Program - Rehabilitation	Statewide		$500,000	
Sponsor's Contingency Fund - Rehabilitation	Statewide		$1,000,000	
Alkali Creek Reservoir	Big Horn			$24,000,000
Leavitt Reservoir Expansion	Big Horn			$5,000,000
Sheridan Supplemental Storage	Sheridan		Time extension to 7/1/2025	
Subtotal		$5,160,700	$6,650,000	$29,000,000
2020 Omnibus Water Bill-Construction Preliminary Total		**$28,711,700**	**$19,049,700**	**$29,000,000**

*The two projects above will be recommended for funding if a transfer is approved by the Wyoming Water Development Commission, Select Water Committee, and the full Legislature. The transfer is recommended from the Buffalo Bill Reservoir Account to be redirected from WDA I to WDA II.

III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2020-21 Legislative Session.

Water Development Account I
Preliminary Fiscal Projections as of 8/1/2019

Cash Balance 6/30/18		112,191,154
FY 2019 Revenues		
Taxes	19,297,500	
Interest	3,541,105	
Loans/Interest	1,876,949	
Other	379,350	
Total Revenues		25,094,904
FY 2019 Expenditures		
Total Expenditures		(25,532,747)
Cash Balance 6/30/19		111,753,311
Outstanding Commitments 7/1/19		
Active Appropriations	(166,814,151)	
Expenditures Paid	66,654,864	
Total Commitments 7/1/19		(100,159,287)
Total Uncommitted Balance 7/1/19		11,594,024
FY 2020 Anticipated Revenues		
Taxes	19,300,000	
Interest	2,000,000	
Other	1,800,000	
Total FY 2020 Anticipated Revenues		23,100,000
FY 2021 Anticipated Revenues		
Taxes	19,300,000	
Interest	2,000,000	
Other	1,600,000	
Total FY 2021 Anticipated Revenues		22,900,000
FY 2022 Anticipated Revenues		
Taxes	19,300,000	
Interest	2,000,000	
Other	1,600,000	
Total FY 2022 Anticipated Revenues		22,900,000
Subtotal Anticipated Revenues		68,900,000
Balance Available for Appropriation		80,494,024

Water Development Account II
Preliminary Fiscal Projections as of 8/1/2019

Cash Balance 6/30/18		28,422,341
FY 2019 Revenues		
Taxes	3,255,000	
Interest	912,476	
Loans/Interest	1,525,722	
Buffalo Bill Account	5,500,000	
Total Revenues		11,193,198
FY 2019 Expenditures		
Total Expenditures		(8,541,630)
Cash Balance 6/30/19		31,073,909
Outstanding Commitments 7/1/19		
Active Appropriations	(45,376,106)	
Expenditures Paid	16,398,943	
Total Commitments 7/1/19		(28,977,163)
Total Uncommitted Balance 7/1/19		2,096,746
FY 2020 Anticipated Revenues		
Taxes	3,255,000	
Interest	400,000	
Other	1,000,000	
Total FY 2020 Anticipated Revenues		4,655,000
FY 2021 Anticipated Revenues		
Taxes	3,255,000	
Interest	400,000	
Other	800,000	
Total FY 2021 Anticipated Revenues		4,455,000
FY 2022 Anticipated Revenues		
Taxes	3,255,000	
Interest	400,000	
Other	800,000	
Total FY 2022 Anticipated Revenues		4,455,000
Subtotal Anticipated Revenues		13,565,000
Balance Available for Appropriation		15,661,746

Water Development Account III
Preliminary Fiscal Projections as of 8/1/2019

Cash Balance 6/30/18		173,433,415
FY 2019 Revenues		
Taxes	775,000	
Interest	5,510,762	
Total Revenues		6,285,762
FY 2019 Expenditures		
Total Expenditures		(4,698,963)
Cash Balance 6/30/19		175,020,214
Outstanding Commitments 7/1/19		
Active Appropriations	(131,507,026)	
Expenditures Paid	10,770,863	
Total Commitments 7/1/19		(120,736,163)
Total Uncommitted Balance 7/1/19		54,284,051
FY 2020 Anticipated Revenues		
Taxes	775,000	
Interest	2,200,000	
Total FY 2020 Anticipated Revenues		2,975,000
FY 2021 Anticipated Revenues		
Taxes	775,000	
Interest	2,200,000	
Total FY 2021 Anticipated Revenues		2,975,000
FY 2022 Anticipated Revenues		
Taxes	775,000	
Interest	2,200,000	
Total FY 2022 Anticipated Revenues		2,975,000
Subtotal Anticipated Revenues		8,925,000
Balance Available for Appropriation		63,209,051

IV. Anticipated Remaining Funding after the 2020 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 2020 Session by predicting the anticipated demands placed on those accounts during the 2020 Session.

Water Development Account I

Available 2020 Session		$80,494,024
Non-Project Anticipated Appropriations		
Agency (029) Budget	$ 8,143,897	
DOA (010) Water Quality	$ 656,008	
SEO (037) CO River E.S.	$ 102,953	
SEO (037) Board of Control	$14,349,701	
AG (015) Board of Control	$ 36,314	
OSLI (060) DWSRF	$ 1,152,779	
Deduct: Non-Project Appropriations		$24,441,652
2020 Omnibus Water Bills		
Planning	$ 2,148,683	
Construction	$28,711,700	
Deduct: Omnibus Water Bills		$30,860,383
Subtotal		$25,191,989
Add: Anticipated 2020 Reversions		$ 2,000,000
Anticipated Remaining after 2020 Session		**$27,191,989**

Water Development Account II

Available 2020 Session		$15,661,746
Add: Anticipated Transfer from Buffalo Bill		$ 7,000,000
2020 Omnibus Water Bills		
Planning	$ 365,000	
Construction	$19,049,700	
Deduct: Omnibus Water Bills		$19,414,700
Subtotal		$ 3,247,046
Add: Anticipated 2020 Reversions		$ 2,800,000
Anticipated Remaining after 2020 Session		**$ 6,047,046**

Water Development Account III

Available 2020 Session		$63,209,051
2020 Omnibus Water Bills		
Construction	$29,000,000	
Deduct: Omnibus Water Bills		$34,209,051
Add: Anticipated 2020 Reversions		$ 0
Anticipated Remaining after 2020 Session		**$34,209,051**

The following table attempts to predict funding requests for the 2021 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 Belvoir Well Field	10,000,000	
Cloud Seeding: Medicine Bow/Sierra Madre/Laramie Range	800,000	
Cloud Seeding: Wind River Range	275,000	
CWRWS - Westwinds Rd Transmission Line	5,500,000	
Evanston System Improvements	3,000,000	
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, Phase II	180,000	
Osage System Improvements	1,500,000	
Pavillion System Improvements	1,000,000	
Sheridan System Improvements	5,000,000	
Shoshone 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	
Torrington System Improvements	1,000,000	
Grand Total WDA I		**$90,305,000**

Water Development Account II – Potential Projects		
Austin-Wall Reservoir Rehabilitation	1,000,000	
Big Horn Canal Siphon	3,000,000	
Casper - Ridgecrest Zone 2/3 Transmission Line	1,450,000	
Casper - Storage Tank Rehabilitation	3,000,000	
Casper Alcova Irrigation District	500,000	
Cody Canal Irrigation District	500,000	
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	750,000	
Hanover Irrigation District Flume Replacement	1,600,000	
Heart Mountain Irrigation District	500,000	
Interstate Irrigation and Reservoir Rehabilitation	6,000,000	
Midvale Irrigation District	1,000,000	
Owl Creek Irrigation District Pump Station	1,000,000	
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		**$59,600,000**

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	60,000,000	
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		**$475,000,000**

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

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. Once additional funding is secured for the reservoir, the compensatory mitigation plan (CMP) will be completed and submitted, at which time a favorable record of decision on a 404 permit is expected from the USACE. The expanded reservoir, appurtenances, and borrow areas also involve private lands which will require negotiation and execution of easements and land purchases.

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*

*67% grant

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 design is complete for both components but the sponsor is awaiting matching funding from the USDA-RD.

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*

*67% grant

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 (his) 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 has been started on all three projects.

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 is seeking additional funding from other sources to enable construction of the seepage measures during the outlet construction. No schedule has been set for design or construction.

5. PROJECT **Bedford Water Supply Master Plan**

LEVEL: I
SPONSOR: Greater Bedford Water & Sewer District
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	113-7	1986	I	$ 25,000	1989
Level III	4	1988	I	$ 1,050,000	1993
Level III	268	1989	I	$ 250,000	1994
Level III	118/121	2004/07	I	$ 835,000	2009/12
Level I	94	2018	I	$ 100,000	2021

PROJECT INFORMATION:
The Bedford water system storage tank, located in Strawberry [Creek] Canyon, is near capacity according to DEQ Chapter 12 rules. The District wanted to explore options to increase storage in the existing steel tank (i.e. add a ring) or construct a second tank at another location. Currently, the "Big Spring" is the primary source for the system. Also, the portion of the District upstream of the Strawberry Canyon PRV can only be supplied from the spring. The Bedford No. 1 well cannot pump water upstream of the PRV. The District was interested in exploring additional water supply options as EPA regulations of springs continue to be more stringent. The Level I study contains master plan components (GIS, Hydraulic Modeling, Leak Detection, Rate Study) and feasibility evaluations of storage, current/additional supply, and potential regional supply solutions. The Draft report was produced in May, 2019 and a presentation of study results given on August 8, 2019 in Bedford. Final Report submittals followed in October, 2019. The project is now completed.

6. PROJECT: Big Horn Canal Wasteway Rehabilitation 2019

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	105	2006	II	$ 30,150	2025**
Level III	55	2019	II	$ 960,000	2024*

*67% grant, 33% loan
**2017 Sponsor's Contingency Fund, 67% grant

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-nine miles below the Robertson Dam is the Big Horn Canal wasteway structure. The proper operation of the canal is heavily dependent upon this structure. There is approximately 7,900 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. Project design began in the summer of 2019. Sponsor would like to bid Fall 2019 and construct during the Winter 2019- 2020.

7. PROJECT: Big Laramie River Oasis Ditch Diversion Rehabilitation

LEVEL: II
SPONSOR: Laramie Valley Municipal Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	168	2015	I	$ 375,000	2018
Level II	94	2018	II	$ 95,000	2021

PROJECT INFORMATION:
The Laramie Valley Municipal Irrigation District requested Level II funding to study their District's sole diversion structure and headgate. The diversion dam is made up of a rock weir and a large concrete structure. The rock weir is difficult to maintain and is starting to fall into a state of disrepair; both the

weir and the concrete structure need evaluation for structural integrity and functionality and potential fish passage. The diversion dam causes sediment deposition as well. The headgate structure consists of three gates with three culverts that convey the water into the twenty-one-mile-long ditch that irrigates 9,321 acres. Failure and/or problems with the structures would mean the District could not irrigate causing extreme financial hardship for the irrigators.

This study has been completed. The final report provided several alternatives for rehabilitation of the dam, several alternatives for fish passage structures, rehabilitation of the existing training dike, replacement of the trash racks and inclusion of debris booms to deflect debris away from the headgates, an additional headgate for improved water delivery, and a sluiceway near the headgates to improve sediment movement. A final hearing was conducted at the West Laramie Fire Station on June 18, 2019. The project will be closed out at the November 14, 2019 WWDC meeting.

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 is completing an Environmental Assessment (EA). It is anticipated by Reclamation that construction could start in the fall of 2020. 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 Sandy Watershed Study**
LEVEL: I
SPONSOR: Sublette County Conservation District
LOCATION: Sublette, Sweetwater and Fremont Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	94	2018	I	$ 275,000	2021

PROJECT INFORMATION:
The Sublette County Conservation District and the Sweetwater County Conservation District requested a watershed study to evaluate current watershed function, irrigation diversion/conveyance systems, and upland livestock/wildlife water management and rehabilitation opportunities. The Big Sandy watershed includes the following sub-watersheds: Upper Big Sandy River, Little Sandy Creek, Pacific Creek, Lower Big Sandy River, Bone Draw and Sublettes Flat. A majority of the project area is located within the Sublette County Conservation District, but small parts extend into Sweetwater and Fremont Counties.

The watershed study also provided a comprehensive water rights GIS database tool and in-depth designs for 52 independent projects. The study provides baseline data from which the District can pursue the implementation of management practices that address the natural resource issues within the watershed. Completion of this watershed study has also put the District in a position to leverage Small Water Project Program funding to address specific watershed conditions while providing benefit for wildlife, livestock and the environment. A final draft report presentation was held at the Eden Valley Community Center in Farson on September 13, 2019. The project will be closed out at an upcoming WWDC meeting following final report submission.

10. **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 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 this 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 includes the following key components:

- Hydrologic Model Refinement
- Geological/Geotechnical Analysis and Field Investigation
- Environmental and Other Aquatic Resources Investigation
- Cultural Resource Surveys
- Economic Analysis Refinement

The overarching objective of the Phase II analysis is to continue to develop project knowledge by leveraging decades of work to develop a preferred alternative for recommendation for a Level II, Phase III (permitting and final design) funding request. The final report is expected in 2020.

11. **PROJECT:** **Bluff/Upper Bluff Irrigation Districts Master Plan**
LEVEL: I
SPONSOR: Bluff and Upper Bluff Irrigation Districts
LOCATION: Washakie County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	79	1988	II	$ 15,000	1990
Level III	123	1989	II	$ 436,000	1993
Level I	105	2019	II	$ 123,000	2022

PROJECT INFORMATION:
The Bluff and Upper Bluff Irrigation Districts are located in the Big Horn Basin near Worland, within Washakie County. The Districts share a diversion and the first three miles of Hanover Canal with the Hanover and Highland Hanover Irrigation Districts. There are approximately 5,300 acres served by the Bluff and Upper Bluff Districts south of the Town of Worland and west of Highway 20.

The Bluff and Upper Bluff Irrigation District Board requested funding in 2018 for a Level I Study to inventory and assess structures on their system, investigate conveyance losses, and identify capital improvement projects for financial planning. Similarly, the study will analyze the pump stations, tabulate water rights, update the GIS, and recommend any needed operational changes. Identification of funding assistance and the ability to pay for the improvements will also be included as part of the study.

The Districts are currently experiencing failing pumps, and high maintenance costs. Their siphons and spillways need repair, seepage is also an issue. The Bluff canal was built in 1904 and the Upper Bluff constructed in 1957. Their structures are aging, and as a result, their condition needs to be assessed. A complete assessment of the three pump stations is also needed. This project does not include the shared components of the Hanover Canal that were assessed in 2016. This project will complete the planning studies of the regional system. A consultant for the study was hired and a contract signed in March, 2019. The project is ongoing and the consultant is on time and within the budget. The final report is scheduled for completion in the Summer of 2020.

12. 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. Project construction is set to begin in the fall of 2019 with completion occurring in the spring of 2020.

13. PROJECT: Boulder Irrigation District Rehabilitation

LEVEL: II
SPONSOR: Boulder Irrigation District
LOCATION: Sublette County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	105	2019	II	$ 171,000	2022

PROJECT INFORMATION:
During the 2019 General Session, the Boulder Irrigation District (District) received funding to sponsor a Level II Rehabilitation study to investigate the feasibility of alternatives to improve efficiency on their main canal (Boulder Canal) and asses the current condition of the spillway on their dam (Boulder Lake). Water is conveyed through Boulder Lake Dam, down Boulder Creek, and diverted into the Boulder Canal to irrigate approximately 10,000 acres of grass hay and pasture east of Pinedale, WY.

The Boulder Canal serves as the main source of irrigation water conveyance for all of the irrigated acreage within the District. The District estimates seepage losses along the canal to be approximately 60%.

Boulder Lake Dam is an on-channel, zoned earth embankment, with a crest length of approximately 375 feet that stands approximately 25 feet above Boulder Creek. The spillway is a concrete ogee weir located on the right abutment that is approximately 60 feet wide. The left spillway wing wall is cracked and displaced, and there is some visible erosion and degradation of the concrete on the face of the spillway. Therefore, the District has proposed to assess the condition of the spillway structure during the study.

The Boulder Irrigation District Rehabilitation, Level II study is, in close coordination with the District, investigating cost-effective, long-term solutions to rehabilitate the Boulder Canal and assess the condition of Boulder Lake Dam spillway. The study includes site investigations, improvement and rehabilitation options, conceptual level designs and cost estimates, economic analysis, and recommended solutions for the noted issues. This project is underway, on schedule, and the final report is expected during 2020.

14. 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. Work is ongoing to secure land rights for construction and long-term operation and maintenance of the project, which consists of a new alluvial well, a pump and controls to operate the well, a pipeline from the well to the storage tanks, and one additional storage tank. Design has begun with a well drilling contract to follow. Once the new well is determined to be a satisfactory

supply source, a construction contract for the remaining project components will be bid. Construction of the project has been delayed while the district searches for a well location.

15. 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.

16. PROJECT: Cambria Tank

LEVEL: III
SPONSORS: Cambria Improvement & Service District
LOCATION: Weston County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$ 100,000	2010
Level II	1	2011	I	$ 125,000	2014
Level III	23	2015	I	$ 626,450	2020*

*67% grant

PROJECT INFORMATION:
The Cambria Improvement & Service District is located in Weston County north of the City of Newcastle. The District, formed in 1984, obtained a water supply from Newcastle under a contract limited to 50 gallons per minute. The supply system was constructed in 1986 and consisted of approximately 2.5 miles of 6-inch transmission pipeline, two pump stations, and two water storage tanks with 86,000 gallons of storage capacity. The District has a demand of 72,000 gallons per day to serve an estimated population of 188 through 75 taps. Cambria presently does not have capacity within the existing system for fire

suppression. The District is anticipating additional demand on their delivery and storage infrastructure due to growth and pass-through supply to the Sweetwater ISD. A Level II study was completed for the District in 2012. Construction is nearing substantial completion and the project should close-out in early 2020.

17. **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 is in the process of selecting a consulting engineer for the project.

18. **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:
The Casper Alcova Irrigation District (CAID) received funding authorization to replace segments of Laterals with buried pipeline. The sponsor received 67% grant funding from WWDC to match with its own funds to construct the project. The project is expected to close out by the end of 2018 or the spring of 2019.

19. 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 are complete and the project will bid in the fall of 2019 with planned construction in 2020.

20. PROJECT: Casper Zone II 2015

LEVEL: III
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	23	2015	I	$ 1,728,600	2020**

*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 2015, the Legislature appropriated $1,728,600 grant funding for the project.

The project involves construction of 12-inch PVC pipeline on the western side of Casper to provide redundancy and backup to the existing system. The need for the pipeline was identified in the 2006 Casper Master Plan. The construction project has been bid and awarded. The project is anticipated to start construction in the winter of 2019 and be completed in 2020.

21. PROJECT: Casper Zone 3 Improvements

LEVEL: III
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	14	2012	I	$ 1,541,000	2017*
Level III	100	2014	I	$ 3,685,000	2019*
Level III	55	2019	I	$ 0	2020**

*67% grant
**One-year time extension

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 16,425 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. This project is part of Casper's efforts to systematically improve its water supply system in accordance with the 2006 Level I Casper Water Master Plan. This project involves adding a new booster station, a new 400,000-gallon water storage tank and approximately 19,700 feet of 16-inch pipe to provide additional capacity to the system as well as redundancy to the eastern portion of the service area. The booster station, tank and pipeline construction were specifically identified in the master plan. The construction is complete and the project is in the closeout phase. Final closeout should be completed in early 2020.

22. 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:
During the 2018 Budget Session, the City of Cheyenne – Board of Public Utilities (BOPU), a regional supplier to an estimated 75,000 people in the City of Cheyenne, the South Cheyenne Water and Sewer District, and F.E. Warren Air Force Base, received funding to conduct a Level II study to evaluate options to enlarge the capacity of its raw water storage system.

The BOPU utilizes a complex system that includes trans-basin diversions, water-right exchanges, reservoirs, pipelines, and other infrastructure that spans across Albany, Carbon, and Laramie counties in southeast Wyoming. Ultimately, the water supply is gravity fed from the Snowy Range in Albany County to Granite Springs and Crystal Lake Reservoirs in Laramie County and on to the Sherard Water Treatment Plant west of Cheyenne. In the 2013 Cheyenne Water and Wastewater Master Plan, population and land use projections for 10, 20, and 50 year planning horizons were developed. The additional projected total annual demand for the 50 year projection equates to approximately 16,081 acre-feet per year. The Master Plan concluded that additional source water supplies would be required to meet the demand projections, and recommendations included investigation into storing additional surface water.

Additional surface water storage alternatives that are being analyzed include raising the existing dams at Granite Springs, Crystal Lake, and Rob Roy Reservoirs. Other alternatives that have been recommended for further evaluation in past studies, conducted on behalf of BOPU, include additional pipelines to connect raw water, and/or other existing storage facilities, to their water treatment plant, and dredging of sediment that has accumulated in the reservoirs, affecting actual storage capacity.

The study is building upon existing work created by and for BOPU, and includes an analysis of the Purpose and Need of the project, hydrology, a range of alternatives, and permitting considerations. Field reconnaissance is also being conducted to investigate and confirm site conditions at the various alternatives analyzed. This project is underway and on schedule with a final report expected during 2020.

23. PROJECT: Clear Creek Storage

LEVEL: II
SPONSOR: Lake DeSmet 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	2021

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 Lake DeSmet Conservation District (LDCD) 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 LDCD 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 LDCD 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 Lake DeSmet 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 Lake DeSmet 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 Lake DeSmet 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 made a decision 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 is being 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.

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.

24. **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 decided to pursue a Level III construction project to purchase the new well and connect the well to the Town's system. The 2019 Legislative session approved the project. The project agreement has been signed and the Sponsor is pursuing the matching funding. Design will start as soon as the Town has the matching funds.

25. 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 II	105	2006	II	$ 51,590	2013*
Level III	33	2008	II	$ 200,000	2010
Level II	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**

*Sponsor's Inflation Fund, 67% grant
**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 of the pipeline began in August 2019 and construction is anticipated to begin in the fall of 2019. Funding is for material only and does not provide for design or labor costs.

26. 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 engineer and Sponsor are working to secure the necessary easements and permits for the project. The project is anticipated to go to bid in late 2019 or early 2020.

27. 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 is anticipated to go out for bid in fall of 2019 and be completed in winter 2019-2020.

28. 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*

67% grant, 33% loan

PROJECT INFORMATION:
This project is to replace some of the districts existing steel irrigation transmission lines on Laterals 22 and 24 with PVC or HDPE pipe. The existing transmission pipelines are approximately 45 years old and are experiencing corrosion and pitting due to aggressive soils. These steel pipelines experience significant corrosion breaks every year and require a significant amount of time for the district to repair the lines. Replacement of the steel transmission pipelines will eliminate water loss, due the pipeline breaks, and improve overall irrigation efficiency. The district has hired the project engineer and the engineer has initiated the project design. This project is currently in design.

29. 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 bid in fall of 2019 and is currently under construction. Completion of the project is anticipated to be in 2020.

30. PROJECT: Crook County Rural Water Supply Plan

LEVEL: I
SPONSOR: Crook County Board of County Commissioners
LOCATION: Crook County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	105	2019	I	$ 370,000	2022

The Crook County Rural Water Supply Plan is a reconnaissance study for providing a public water supply system to rural residents of west-central Crook County to replace existing domestic source supplies deemed inadequate or detrimental to health & safety. This study will also expand the groundwater investigations conducted by DEQ in 2017 and 2018 to identify any other private wells with water quality concerns. It is anticipated this project may conduct additional groundwater quality testing, survey landowners interested in a potable water system, develop a plan for a community water system, consider impacts to the Madison aquifer from improper well construction, and develop best management practices regarding new wells constructed into the Madison Formation. This project is scheduled for completion December, 2020.

31. PROJECT: Deaver Irrigation District Rehabilitation 2019

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*

*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 2019 Legislature for a material only project for one of the high priority projects identified in the Master Plan. The project is to convert Lateral 129F from open ditch into pipe. The project will reduce seepage and conveyance losses as well as maintenance. The project is designed and with construction scheduled in the fall of 2019.

32. PROJECT: Deaver Transmission Pipeline

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 125,000	2017
Level III	55	2016	I	$ 770,500	2021*
Level III	105	2006	I	$ 313,200	2025**

*67% grant
**2017 Sponsor's Contingency Funds, 67% grant

PROJECT INFORMATION:
Transmission line replacement was identified as the highest priority in the recommendations developed in the Master Plan financed by the WWDC and completed in 2015. The Sponsor received Level III funding for a water transmission pipeline project that serves approximately 120 potable water taps. The WWDC appropriation was a 67% grant. The sponsor is providing $1,320 with the remainder of project funding being $378,180 in loan funds coming from the Drinking Water State Revolving Fund. The total project budget is $1,150,000. Completion of this project will result in reduced pipeline maintenance, increased water delivery reliability and increased fire flow. The pipeline aspect of the project was substantially completed by the end of 2018. Asphalt paving over pipeline trenches continued into the summer to 2019. The project is expected to close out in late 2019.

33. 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. The Transmission pipeline design and permitting is complete. The project is currently in construction. Construction is anticipated to be completed in 2020.

34. 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 effect with landowners to acquire temporary and permanent easements for test drilling and pipeline/power alignments. The project will be ongoing through 2020.

35. 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 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 will Replace 14,000 linear feet of 10", 12", 14", and 16" steel pipeline with new PVC C900 DR 18 pipe. The 2019 appropriation will replace the LN-4 and LN-5 pipeline sections which were identified in the Master Plan. This alignment crosses Allred Road (Co Rd 135). At the crossing, it is anticipated that the new pipe will be installed through the existing steel casing pipe to minimize the cost of asphalt replacement and the time for permits for road closures. The project includes 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. The project is anticipated to be advertised for construction in September 2019. Construction is anticipated to begin fall 2019 and be completed by May 2020.

36. PROJECT: Dull Knife Reservoir Spillway Rehabilitation

LEVEL: III
SPONSOR: Dull Knife Irrigation District
LOCATION: Johnson County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	II	$ 1,715,000	2020*
Level III	75	2017	II	$ 1,967,000	2020**
Level III	105	2006	II	$ 73,850	2020***
Level III	121	2018	II	$ 2,184,000	2020†

*35% grant
**The 2015 appropriation of $1,715,000 was increased by $252,000 to $1,967,000.
***35% grant, Sponsor's Contingency Fund (2017)
†The 2011 appropriation of $1,967,000 was increased by $217,000 to $2,184,000.

PROJECT INFORMATION:

The main portion of the project relates to rehabilitating and improving the spillway for the Dull Knife Reservoir. Additional work will be completed to upgrade the water release structure and raise the dam crest to meet current dam safety water freeboard requirements.

During the design phase it was discovered that the main dam structure did not meet current stability requirements. Additional earthen material was required at the toe of the dam to meet current standards. This work was not anticipated during the preliminary design work for the project.

Bids were received on June 8, 2017 and the low bid significantly exceeded the project budget. The District and their engineer subsequently negotiated with the contractor to address the dam safety items. Following

negotiations with the contractor, the District requested WWDC Sponsor's Contingency Funds to cover the final negotiated costs of the dam safety items. At the August 23, 2017 commission meeting, the WWDC approved the additional requested funding from the Sponsor's Contingency Funds. The construction is complete and the engineer is in the process of completing post-construction documents. The project should be closed-out in early 2020.

37. PROJECT: Eastern Shoshone Boulder Flats Well Field

LEVEL: III
SPONSOR: Eastern Shoshone Tribe & Shoshone Utilities Organization (SUO)
LOCATION: Fremont County, Wind River Indian Reservation (WRIR)
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$ 275,000	2014
Level III	100	2014	I	$ 804,000	2019*

*67% grant only

PROJECT INFORMATION:
Based on the findings of the WWDC 2013 Level II study, a new well field was identified as a feasible supplemental source for Boulder Flats. The study also recommends that booster pumps on the Fort Washakie-Boulder Flats pipeline should be replaced and upgraded from twin 7½ hp to twin 15 hp pumps to better serve existing and future demands. Both aspects will address impact demands foreseen with development of the Shoshone Rose casino complex, a commercial enterprise located within Boulder Flats on the WRIR along US HWY 287. The project is complete and the last payment was made in June 2019.

38. PROJECT: Eden Valley Farson Lateral Rehabilitation

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	141	2013	II	$ 233,500	2018*
Level III	23	2015	II	$ 2,366,000	2020*†
Level III	55	2016	II	$ 0	2020**
Level III	55	2019	II	$ 3,276,000	2020***

*50% grant
†The 2013 appropriation of $233,500 was increased by $2,132,500 to $2,366,000 and the reversion date extended from July 1, 2018 to July 1, 2020.
**Added "construction engineering and construction" language.
***The grant appropriation of $2,366,000 was increased by $710,00 to $3,076,000. A $200,000 loan was added to the appropriation (20 years at 4%), (total appropriation $3,276,000). The reversion date was extended from July 1, 2020 to July 1, 2021.

PROJECT INFORMATION:
This project consists of the lining of approximately 6,600 feet of the unlined Farson Canal and replacing approximately 14,000 feet of existing earth laterals with pipe. Piping improvements will reduce evaporative and seepage losses, reduce operation and maintenance (O&M) costs, conserve water resources and reduce approximately 1,685 tons of salt per year, which the Farson Lateral contributes to the Colorado River Basin**.**

In 2013, the Legislature authorized an appropriation of $233,500, which is 50% of the engineering design, permitting, NEPA analysis and cultural resources evaluation. The proposed financing plan provides a 50% grant with the Sponsor seeking a Colorado River Basin Salinity Control Program (SCP) grant for the remaining 50% of project costs. Total construction costs of the project are estimated at $4,732,000. In 2013, the SCP retracted project funding due to federal budget sequestration. In 2015, the Legislature authorized an appropriation of $2,366,000 contingent upon approval of a supplemental budget request, which was approved.

In 2016, the Sponsor secured its matching fund money through the Wyoming Basin States Salinity program. The Sponsor has selected an Engineer and the design process has been initiated. The project connects to a construction project that is being designed by Reclamation. Reclamation's project was delayed due to a delay in procurement services. In 2018, EVIDD received project bids in excess of available project funding. EVIDD submitted a request for additional funding in 2019 from the WWDC. The additional funding from WWDC was approved in the amount of $910,000. The funding was a grant of $710,000 and a loan of $200,000.

In 2019, the project was successfully bid and awarded. The project has executed the agreement with the contractor and construction is anticipated to start at the end of the 2019 irrigation season. The project is anticipated to be completed in April of 2020.

39. **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 project is currently in the design phase.

40. **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	121	2018	I	$ 0	2021†

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

The design for the well field and drilling has been completed and as soon as easement issues are resolved, the well field can be constructed. The well field transmission cannot be designed until the well field is constructed.

41. 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 agreement was delivered to the District in May 2019. The District has endorsed the project agreement, but is seeking additional funding from other sources prior to continuing with the project.

42. PROJECT: Evanston Water Master Plan

LEVEL: I
SPONSOR: City of Evanston
LOCATION: Uinta County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	46	1997	I	$ 85,000	2000
Level III	38	1998	I	$ 1,500,000	2003
Level II	34	2004	I	$ 70,000	2007
Level III	105	2006	I	$ 3,699,070	2011
Level I	105	2019	I	$ 126,000	2021

The City of Evanston receives its raw water from Sulphur Creek Reservoir or a direct flow intake on the Bear River, both located south of the city. The raw water is conveyed from the reservoir and intake through separate 36-inch transmission lines to a diversion box. From the diversion box, a 30-inch line conveys the raw water about 10 miles north to the water treatment plant located in the city. The distribution system consists of eight buried cement storage tanks that range in capacity from 80,000 to 1,000,000 gallons. The city anticipates the need to replace an existing 70-year-old tank at the water treatment plant. Evanston also foresees the need to construct a new tank for the Twin Ridge area along with replacement of the transmission line to this tank. Within the city's system, pumping stations are in use that deliver water to customers at multiple pressure zones, and there are concerns that fire flows may not be available at higher elevations. The city's current SCADA system determines tank levels and pumping requirements. The entire distribution system has been mapped in AutoCAD and ArcGIS and modeled in WaterCAD. The model is updated as development occurs, and the city is looking to upgrade it to the newest version of WaterGEMS or WaterCAD. Development within the service area has been occurring primarily near the southwest part of town, south of the golf course and Interstate 80 and near Yellow Creek. A new state hospital is to be built which may impose higher demands on the water system. Current higher water users on the system include schools, parks, and recreation areas. The city does have a non-potable water system that is sourced from the Bear River and used primarily for irrigation at the golf course and throughout town. In terms of potential regional connections, there are some private water systems (trailer parks) adjacent to the city's service area that could potentially hook up to the city's system.

This Level I water supply master plan will inventory and evaluate the current condition of the town's system. The study will identify the parts of the existing water system that are deficient and provide a schedule for improvements. It will also identify system needs and a plan to accommodate future growth. The study is scheduled for completion July, 2020.

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	2021

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 the 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 the inactive pool available for use, the project investigated the feasibility associated with adding riprap, or other armoring, to the dam face from the current elevation (approximately 6,460') to the top of the dead pool (approximately 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.

During the 2018 Budget Session, the State requested and received an additional $750,000 for Risk Verification, NEPA, and final design. This effort is not currently underway, with negotiations and discussion taking place with Reclamation to finalize the details of the effort. Once finalized, Reclamation could complete the work as a Task Order under the existing Technical Service Agreement 15-WC-40-559.

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 permeant 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 is waiting for Discharge Permits from the Wyoming DEQ. to pump test wells M13, M14 and M15. The City of Gillette anticipates completion of all ongoing construction projects in 2020.

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.

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 construction. This Gillette Regional Extension Phase II regional connection projects, Eight Mile and Stone Gate Estates Improvement & Service Districts, are currently under construction and expected to be completed in 2020.

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****

*Bucksin 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 has hired an engineer for the Rozette Ranchettes Improvement & Service District design and construction management. The project is currently under design.

48. **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	2021

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 flood pool depth of six feet as the recommended 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.

The Corps has stated they will need to conduct their own scientific analysis of the proposed changes from the WWDC Level II study and complete NEPA requirements. In 2018, $750,000 was appropriated to conduct a Water Control Plan Modification Study (WCPMS) to address the Corps needs. The study would require a Memorandum of Agreement between the Corps and the WWDC. The Corps recently expressed uncertainty as to their authority to conduct a WCPMS for Glendo due to their lack of authority to change operations at Glendo for any other purpose than flood control and navigation. Considering the intent of the project is to re-time flood pool releases, and not re-purpose flood control space, as was originally stated in the Wyoming Water Strategy, there is optimism that the Corps does have the authority. Now that the WWDC Level II report is finalized, and the new Governor and WWDO Director have been appointed, the WWDO will continue to coordinate with the Federal agencies on next steps for the project.

49. **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'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 design of this phase was completed in spring 2019. Construction on the Glenrock Transmission Pipeline 2018 project began in July 2019 and is expected to be completed in November 2019.

50. 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 initiated the design phase of the project. The project has experienced delays due to the need for GID to focus efforts on the Tunnel dam collapse.

51. **PROJECT:** **Goshen Irrigation District-Guernsey Spillway Rehabilitation**
LEVEL: III
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	II	$ 449,570	2020*

*67% grant

PROJECT INFORMATION:
The Bureau of Reclamation has determined the Guernsey Dam Spillway Gate needs rehabilitation. The Bureau has commissioned a project and has requested that irrigation districts with water interests in the reservoir pay for a share of the rehabilitation. The Bureau is managing the design and construction processes and is funding 50% of the rehabilitation costs. The remaining costs are to be pro-rated amongst the entities who own water shares within the reservoir.

WWDC recommended a 67% grant for GID's portion of the eligible costs for a total of $449,570. Those funds were appropriated in 2015. The 33% matching funds are from a Bureau of Reclamation loan. The District will make one payment to the Bureau of Reclamation at the end of the project. The project is complete and will be closed before the WWDC Project Agreement July 1, 2020 reversion date.

52. **PROJECT:** **GR/RS/SC JPWB Pump Station & Transmission**
LEVEL: II
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	66	2009	I	$ 350,000	2011
Level III-I	63	2011	I	$ 900,000	2016
Level III-II	14	2012	I	$ 8,280,000*	2017
Level II	168	2015	I	$ 125,000	2018
Level II	65	2017	I	$ 180,000	2020
Level II	94	2018	I	$ 180,000	2021

*50.5% grant

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, Rock Springs, and adjacent areas. All finished water is pumped through the existing pump station at the WTF. The need for these improvements was identified in the 2009 WWDC GR-RS-SC JPWB Water System Master Plan (Phase 2) Final Report, January 2009.

This Level II study commenced in June 2018. The study recommended a second and redundant pump station at the WTF. A building site was recommended, conceptual designs were developed, and a cost estimate produced with a total cost of $23,645,000 (2018 dollars). While the need for a redundant pump station is present today (2019), the timing of a Level III funding request will be coordinated with the JPWB's current debt services so that water rates are not overly burdened. The Level II final report, executive summary, and project deliverables were submitted in July 2019 and a public hearing was held August 28, 2019 in Green River. This study was closed out on October 4, 2019.

53. **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 yet to hire an engineer for the Level III project.

54. **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 is in the process of hiring an engineer to move forward with the design to mitigate the embankment settlement issues as well as repairs to other reservoir components. The Joint Powers Board has selected an engineer and is working on an Owner-Engineer agreement.

55. 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. 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 as well as a semi-quantitative risk assessment for the preferred alternative. The bulk of this effort has been completed. The results and recommendations are being incorporated into the draft report, in coordination with GVID. The final report and recommendations are expected in 2020.

56. 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 to assist municipalities and special districts addressing shortages in their 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 projects in the program.

CURRENT SPONSOR & ACTIVE/OBLIGATED FUNDS
Town of Big Piney (Municipal PWS Well): $162,750
Town of Guernsey (Golf Course PWS Well): $75,375

57. PROJECT: Hanover ID Bighorn Flume Replacement

LEVEL: II
SPONSOR: Hanover Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	123	1990	I	$ 60,000	1993
Level III	79	1990	II	$ 600,000	1995
Level III	231	1991	II	$ 1,200,000	1996
Level III	69	2003	II	$ 87,000	2008
Level I	38/65	2016/17	II	$ 295,000	2020
Level II	94	2018	II	$ 65,000	2021

PROJECT INFORMATION:
The Bighorn Flume Bridge was identified as a top rehabilitation priority in the Hanover Irrigation District Master Plan (Phase I) as it is currently impeding canal maintenance operations and the flume has significant maintenance issues. The flume is upstream of Worland, moving water from the west side of the Big Horn River to the east side. Numerous concrete piers are in need of repair or replacement. Given the costs of repairs and replacements needed for safety and functionality, the WWDC and the District would like to explore the possibility of replacing the Flume Bridge under this Level II study. The study found project costs vary depending on whether the district requires vehicle access to be incorporated into the new structure. Rehabilitation of the existing structure including vehicle deck comes in at $1,033,165, while the new structures that only carry water vary from $1.6 to $2M, and a new structure that conveys water and provides maintenance vehicle access comes in about $3.5M depending on design. The study lays out construction and maintenance fund costs for the next 75 years. A final draft report presentation was held in Worland on July 18, 2019 and the project is scheduled for closeout at the November, 14, 2019 WWDC meeting.

58. 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 HID has secured engineering consultant services to design and perform construction management. The project is anticipated to go to bid in late 2019 with construction to follow.

59. 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 design has been completed as well as all other pre-bid items. The project will be bid in the fall of 2019 with construction planned for the winter of 2020.

60. **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 until the Heart Mountain Irrigation District Rattlesnake Liner Replacement project is completed.

61. **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. Design is complete and the project is under construction.

62. PROJECT: Hill Irrigation District - Guernsey Spillway Rehabilitation

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	II	$ 36,850	2020

PROJECT INFORMATION:

The Bureau of Reclamation has determined the Guernsey Dam Spillway Gate needs rehabilitation. The Bureau has commissioned a project and has requested that irrigation districts with water interests in the reservoir pay for a share of the rehabilitation. The Bureau is managing the design and construction processes and is funding 50% of the rehabilitation costs. The remaining costs are to be pro-rated amongst the entities who own water shares within the reservoir.

WWDC recommended a 67% grant for HID's portion of the eligible costs for a total of $36,850. Those funds were appropriated in 2015. The 33% matching funds are from Bureau of Reclamation loan. The District will make one payment to the Bureau of Reclamation at the end of the project. The project is complete and will be closed before the WWDC Project Agreement July 1, 2020 reversion date.

63. PROJECT: Horse Creek Watershed Study

LEVEL: I
SPONSOR: South Goshen Conservation District
LOCATION: Albany, Goshen, Laramie, Platte
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	94	2018	I	$ 284,000	2021

PROJECT INFORMATION:
The South Goshen Conservation District requested a watershed study in 2016 to evaluate current watershed condition and function. Following a one-year postponement by the WWDC and consistent with 2017 Wyoming Session Laws, the 2018 Wyoming State Legislature approved funding for this watershed study. Wetland and riparian areas within the drainage will be analyzed, an investigation of stock water needs across the basin will be completed, a geomorphic classification of the rivers and streams will be provided, and a hydro-geologically based groundwater resource utilization and recharge analysis will be developed. The District would also like to look at making improvements to surface and groundwater irrigation systems within the watershed. This study will provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. The District also anticipates that this study will identify opportunities to improve stock watering infrastructure, improve irrigation efficiencies, and provide management opportunities to aid with water resource utilization.

This study developed an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information was incorporated into development, rehabilitation, and management plans complete with cost estimates for potential future project activities.

During the course of the project, conservation district board members, landowners, stakeholders, and representatives from state, local, and federal agencies were involved in six public meetings and multiple site visits. Key issues in the watershed were identified and discussed. Site visits were conducted to evaluate the project and propose development concepts.

As a result, an evaluation of varied systems resulted in 54 individual watershed improvements projects. These projects include:

- 38 livestock/wildlife water improvement projects
- 9 irrigation system improvement projects
- 7 other management practice improvements that include projects to address grazing management opportunities, environmental enhancement opportunities and aquatic vegetation management opportunities.

A final draft report presentation was held at the Platte Valley Bank in Torrington on November 5, 2019. The project will be closed out at an upcoming WWDC meeting following final report submission.

64. PROJECT: Instream Flow Feasibility Study Findings

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).

Once complete, WWDC's feasibility studies are submitted to the WGFC and the Wyoming State Engineer's Office (SEO). Per Wyo. Stat. § 41-3-1006, before granting or denying the application, the State Engineer conducts any additional studies deemed necessary to evaluate the proposed instream flow and the amount of water to maintain existing fisheries, and subsequently holds a public hearing. During the public hearing the WGFC, WWDC, and any other interested parties present information to the State Engineer or their representative. The SEO then has a 30-day written comment period. The State Engineer will then review all information and either grant or deny the application. If a permit is granted, the Board of Control (BOC) will submit proof of appropriation no sooner than three years from the date of granting. The appropriate BOC field office will use the WWDC study findings to guide them while determining proof of appropriation. Following proof of appropriation, the BOC will adjudicate the water right.

The following stream segments have been evaluated through completed WWDC instream flow feasibility studies or technical memoranda. All of these segments are currently in the application status and the studies can be accessed at: http://library.wrds.uwyo.edu/instream_flow/instream_flow.html

Segment	Temp. Filing Number	Priority Date	Instream Flow Study
Shoshone River	27 3/283	12/31/1991	Shoshone River (Technical Memorandum)
Savery Creek (From High Savery Reservoir)	31 2/105	6/4/2002	Savery Creek
Muddy Creek	35 2/245	6/19/2012	Muddy Creek Basin Carbon County
Little Muddy Creek	35 3/245	6/19/2012	Muddy Creek Basin Carbon County
Littlefield Creek	35 4/245	6/19/2012	Muddy Creek Basin Carbon County
McKinney Creek	35 5/245	6/19/2012	Muddy Creek Basin Carbon County
North Beaver Creek	35 1/335	7/30/2013	Bighorn and Nowood Basins
South Beaver Creek	35 2/335	7/30/2013	Bighorn and Nowood Basins
Dry Medicine Lodge Creek	35 3/335	7/30/2013	Bighorn and Nowood Basins
Buckskin Ed Creek	36 4/43	10/16/2014	Bighorn Mountains
Cedar Creek	36 5/243	10/16/2014	Bighorn Mountains
Lodge Grass Creek	36 6/43	10/16/2014	Bighorn Mountains
Soldier Creek	36 1/44	10/16/2014	Bighorn Mountains
Trout Creek	36 2/44	10/16/2014	Bighorn Mountains
West Fork Little Bighorn River	36 /3/43	10/16/2014	Bighorn Mountains
Muddy Creek	36 5/248	4/20/2017	Sunlight Basin
Crandall Creek	36 4/248	4/20/2017	Sunlight Basin
Dead Indian Creek	36/3/248	4/20/2017	Sunlight Basin

Per Wyo. Stat. § 41-3-1004(b), the following tables represent the findings from the listed instream flow studies; the bold and underlined values indicate a threshold has been achieved; therefore, there may be enough flow to satisfy the instream flow request. The threshold for unappropriated direct flow is a value

equal to or greater than the instream flow request; the unappropriated direct flow is based on an average year mean monthly value. The threshold for the exceedance analysis is a value of 20% or greater. The % exceedance is the percentage of time that the flows are equal to or greater than the instream flow request.

Muddy Creek Basin, Carbon County Instream Flow Feasibility Study:

Muddy Creek	Jan	Feb	March	April	May 1-14	May 15-31	June	July	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	2.0	2.0	2.0	2.0	2.0	3.5	3.5	2.0	2.0	2.0	2.0	2.0	2.0
Unappropriated Direct Flow (cfs)	1.0	1.0	1.1	1.7	0.9	1.2	0.9	0.1	0.0	1.0	1.1	1.0	1.0
% Exceedance of Requested Flow	0	0	0	14	0	0	0	0	0	0	0	0	0

Little Muddy Creek	Jan	Feb	March	April	May 1-14	May 15-31	June	July	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	0.7	0.7	0.7	0.7	0.7	2.0	2.0	1.0	1.0	1.0	0.7	0.7	0.7
Unappropriated Direct Flow (cfs)	0.2	0.2	0.3	**0.9**	**1.5**	**1.9**	1.1	0.0	0.0	0.1	0.2	0.2	0.2
% Exceedance of Requested Flow	0	0	2	**47**	**90**	**40**	12	1	0	0	1	0	0

Littlefield Creek	Jan	Feb	March	April	May 1-14	May 15-31	June	July	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.0	1.0	1.0	1.0	1.0	3.5	3.5	1.0	1.0	1.0	1.0	1.0	1.0
Unappropriated Direct Flow (cfs)	0.7	0.7	0.8	**1.6**	**2.4**	2.7	2.1	0.9	0.5	0.5	0.7	0.7	0.7
% Exceedance of Requested Flow	0	0.2	11	**78**	**100**	5	1	**22**	1	1	3	1	1

McKinney Creek	Jan	Feb	March	April	May 1-14	May 15-31	June	July	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.1	1.1	1.1	1.1	1.1	8.0	8.0	1.5	1.5	1.5	1.1	1.1	1.1
Unappropriated Direct Flow (cfs)	0.5	0.5	0.7	**1.9**	**3.4**	4.2	2.7	0.4	0	0.3	0.5	0.5	0.5
% Exceedance of Requested Flow	0	0.2	6	**68**	**97**	0	0	5	0	0	2	0	0

Bighorn and Nowood Basins Instream Flow Feasibility Study:

North Beaver Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	3.1	3.1	3.1	3.1	20.0	20.0	20.0	4.8	4.8	4.8	3.1	3.1	3.1
Unappropriated Direct Flow (cfs)	1.9	1.6	1.6	**3.6**	**31.5**	**51.8**	18.1	**13.2**	**5.8**	4.2	**3.7**	2.9	2.2
% Exceedance of Requested Flow	0	0	1	17	**45**	**83**	**33**	**80**	**35**	19	**51**	**25**	2

South Beaver Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	2.8	2.8	2.8	2.8	17.0	17.0	17.0	5.5	5.5	5.5	2.8	2.8	2.8
Unappropriated Direct Flow (cfs)	1.8	1.7	1.5	**3.7**	**26.7**	**49.0**	12.5	**7.0**	0.0	4.3	**3.8**	**3.0**	2.2
% Exceedance of Requested Flow	0	0	0	18	**45**	**78**	**29**	**39**	7	11	**51**	**26**	3

Dry Medicine Lodge Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	3.1	3.1	3.1	3.1	20.0	20.0	20.0	5.7	5.7	5.7	3.1	3.1	3.1
Unappropriated Direct Flow (cfs)	2.4	2.2	2.0	**4.0**	**33.0**	**57.4**	**22.0**	**15.1**	**7.3**	5.4	**4.7**	**3.8**	2.9
% Exceedance of Requested Flow	5.7	0	1	19.1	**50**	**92**	**49**	**79**	**34**	19	**70**	**41**	9

Bighorn Mountains Instream Flow Feasibility Study:

Buckskin Ed Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.4	1.4	1.4	1.4	6.0	6.0	6.0	2.8	2.8	2.8	1.4	1.4	1.4
Unappropriated Direct Flow (cfs)	1.3	1.2	1.2	**1.9**	**10.4**	**16.4**	**7.9**	**4.8**	**3.1**	2.6	**2.5**	**2.0**	**1.6**
% Exceedance of Requested Flow	**41.5**	19	16.4	**53.2**	**60.5**	**96.5**	**67.5**	**89.6**	**55.5**	**32.3**	**99.5**	**97.3**	**71.7**

Cedar Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	7.1	7.1	7.1	7.1	13.0	13.0	13.0	11.0	11.0	11.0	7.1	7.1	7.1
Unappropriated Direct Flow (cfs)	**24.2**	**23.9**	**23.9**	**25.0**	**30.4**	**32.8**	**30.1**	**28.4**	**26.9**	**26.4**	**26.3**	**25.6**	**24.8**
% Exceedance of Requested Flow	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

Lodge Grass Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.5	1.5	1.5	1.5	12.0	12.0	12.0	3.1	3.1	3.1	1.5	1.5	1.5
Unappropriated Direct Flow (cfs)	**2.3**	**2.0**	**2.0**	**4.2**	**36.6**	**62.6**	**24.4**	**12.7**	**7.2**	**5.8**	**5.5**	**4.1**	**2.9**
% Exceedance of Requested Flow	**98.1**	**89.7**	**83.2**	**92.5**	**67.9**	**99.1**	**80.5**	**100**	**95.7**	**92.7**	**100**	**100**	**99.4**

Soldier Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.6	1.6	1.6	1.6	11.0	11.0	11.0	3.3	3.3	3.3	1.6	1.6	1.6
Unappropriated Direct Flow (cfs)	**2.1**	**1.9**	**1.9**	**3.0**	**13.5**	**20.7**	10.8	**6.9**	**4.6**	**4.0**	**3.9**	**3.2**	**2.5**
% Exceedance of Requested Flow	**98.1**	**88.0**	**80.0**	**91.0**	**49.3**	**88.7**	**44.0**	**97.9**	**84.2**	**67.3**	**100**	**100**	**99.4**

Trout Creek	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.3	1.3	1.3	1.3	12.0	12.0	12.0	2.0	2.0	2.0	1.3	1.3	1.3
Unappropriated Direct Flow (cfs)	**1.8**	**1.6**	**1.5**	**2.6**	**15.5**	**24.8**	11.6	**6.9**	**4.3**	**3.6**	**3.5**	**2.8**	**2.1**
% Exceedance of Requested Flow	**96.5**	**81.5**	**77.7**	**89.8**	**50.3**	**87.0**	**41.7**	**100**	**97.5**	**96.4**	**100**	**100**	**99.2**

West Fork Little Bighorn River	Jan	Feb	March	April	May	June	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	3.5	3.5	3.5	3.5	24.0	24.0	24.0	7.3	7.3	7.3	3.5	3.5	3.5
Unappropriated Direct Flow (cfs)	**13.7**	**12.8**	**12.7**	**16.5**	**44.2**	**60.3**	**39.4**	**29.6**	**22.8**	**20.6**	**20.2**	**17.8**	**15.2**
% Exceedance of Requested Flow	**100**	**100**	**100**	**100**	**78.8**	**100**	**97.7**	**100**	**100**	**100**	**100**	**100**	**100**

Sunlight Basin Instream Flow Feasibility Study:

Muddy Creek	Jan	Feb	Mar	Apr	May	Jun	July 1-15	July 16-31	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	1.3	1.3	1.3	1.3	29	29	29	3	3	3	1.3	1.3	1.3
Unappropriated Direct Flow (cfs)	0.6	0.4	0.4	**1.7**	15.7	**35.3**	22.4	**9.9**	**3.8**	1.9	**1.5**	1.1	0.7
% Exceedance of Requested Flow	0	0	1	**40**	16	**64**	22	**100**	**55**	6	**61**	18	2

Crandall Creek	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	27	27	27	27	66	66	55	55	55	27	27	27
Unappropriated Direct Flow (cfs)	12.5	11.1	11.9	**27.3**	**124.3**	**317.7**	**205.5**	**73.7**	37.2	**29.7**	19.3	14.1
% Exceedance of Requested Flow	2	0	0	**22**	**66**	**100**	**100**	**64**	12	**42**	7	1

Dead Indian Creek	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Instream Flow Request (cfs)	13.3	13.3	13.3	13.3	31	31	28	28	28	13.3	13.3	13.3
Unappropriated Direct Flow (cfs)	**14**	13	**13.6**	**24.1**	**71.7**	**146.6**	**104.8**	**48.1**	**29.8**	**25.5**	**18.9**	**15.3**
% Exceedance of Requested Flow	**43**	**24**	**33**	**90**	**81**	**100**	**100**	**96**	**44**	**100**	**99**	**67**

Shoshone River (Technical Memorandum)

Due to the nature of the instream flow request, the WWDO performed an in-house analysis and developed a technical memorandum. The instream flow request is for "*natural stream flow up to 350 cfs, but not less than 162 cfs at the Buffalo Bill Power Plant plus natural accrual throughout the instream flow reach to maintain up to 350 cfs throughout the reach, from October 16th to April 14th.*"

The WWDO performed a mean monthly flow and daily flow exceedance analysis for the natural flow entering Buffalo Bill Reservoir, as the request is not from storage. The natural flow analyses indicate the presence of natural flow, but more importantly, there must be consideration given to the operation of the reservoir and the Buffalo Bill Reservoir Enlargement Winter Release Operation Agreement between the United States Bureau of Reclamation (BOR), United States Fish and Wildlife Service, and the State of Wyoming.

On February 20th, 2019, the SEO held a public hearing in Cody, Wyoming, pursuant to Wyo. Stat. § 41-3-1006 and as described in the third paragraph of this summary.

Savery Creek (From High Savery Reservoir)

Due to the nature of the instream flow request, the WWDO prepared a technical memorandum. The instream flow request states "*when storage is available, releases of up to 1,000 acre-feet from the High Savery municipal and environmental pool will be released as necessary to maintain a minimum of 10 cfs each year from July 15th to September 30th. These releases will be made to maintain the existing fisheries in Savery Creek and a healthy, well balanced aquatic community. The WWDC requests that the reservoir releases made for instream/environmental purposes be protected to the confluence with the Little Sandstone Creek less any conveyance losses. Releases may also be made from said municipal and environmental pool to augment stream flows, as approved by the WWDC, that do not conflict with the contractor's reservoir water supply at other times during the water year. During very dry cycles water for instream flow purposes may not be available.*" The WWDO determined that the instream flow water right will be supplied from stored water in the State-owned High Savery Reservoir, when available; the water to be used for the instream flow is stored in the municipal & environmental pool; the municipal & environmental pool has filled every year; the 404 Permit requires the State to maintain a minimum release of 10 cfs every year from July 15 to September 30; therefore, an adequate supply does exist for the instream flow.

On February 26th, 2019, the SEO held a public hearing in Baggs, Wyoming, pursuant to Wyo. Stat. § 41-3-1006 and as described in the third paragraph of this summary.

65. **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 District requested fund to replace the Burnt Fork Diversion Structure with a new concrete structure. The new structure will secure water deliveries, make it easier to control and measure water, and require less annual maintenance. The Interstate Irrigation District is currently seeking an engineer for the project.

66. 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. In August 2018, the project was bid and awarded. Construction began in September 2018 and is expected to be completed by the fall of 2019.

67. 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:
Recently, 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 will examine 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 will also explore 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 project is underway and progressing according to schedule.

68. 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 is currently waiting for completion of an existing project with issues before starting this project.

69. 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 agreement has been signed and the Sponsor needs to complete a tank study prior to beginning the project design.

70. 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 currently only has one source of useable potable water supply which is 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, 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 will be 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 drilling began in October 2019 on a State-owned parcel east of the City's water treatment plan. The study will be ongoing in 2020.

71. **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 completing design and should be under construction fall of 2019.

72. **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

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 this Level II Study. Notice to proceed with 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 have been 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 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 to discuss this Technical Memorandum. The State Engineer's Office issued a restriction to limit the pool elevation and the WWDO felt it was prudent to prepare an amendment designed to alter the direction of the Level II study addressing some of these recommendations within the remaining Level II Study's budget. This project will be ongoing in 2020.

73. **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 I	75	2014	III	$ 1,200,000	2019*
Level I	100	2017	III	$ 8,503,000	2020†

*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.

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 2019.

74. **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

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 conservation 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 will require negotiation and execution of easements and land purchases.

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 conservation (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 downstream of the existing reservoir diversion, thus providing additional fish habitat.

75. PROJECT: LeClair Irrigation District Rehabilitation 2017

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$ 50,000	2004
Level II	75	2005	II	$ 250,000	2006
Level III	69	2003	II	$ 565,000	2012
Level I	168	2015	II	$ 175,000	2018
Level III	55	2016	II	$ 760,000	2021*
Level III	75	2017	II	$ 1,530,910	2022*

*67% grant, 33% loan

PROJECT INFORMATION:
Since the completion of the LeClair Irrigation District master plan, an urgent need has arisen within the District. Seepage at the lower end of the canal has been a problem for years, but was recently exacerbated by some routine canal maintenance, which removed the earthen seal from the bottom of the canal. Seepage following the maintenance in this section of canal has been shown to account for approximately 50% of flows, making it hard to deliver water below this area.

Similarly, seepage through the Cemetery section of the canal near the district office has also been a problem for years. The Mountain View Cemetery board applied to the WWDC for a Level II study in 2014 to look at lining this section of the canal. The WWDC decided instead of conducting a separate study for the Cemetery District to include the seepage analysis in the LeClair Irrigation District Master Plan, which was proposed to run simultaneously. The Cemetery District has been saving money to pay for their portion of the canal lining and is planning to contribute $222,090 (13% of the total project cost) for project expenses. The project has been completed

76. 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*
Level III	105	2006	II	$ 261,000	2021**

*67% grant, 33% loan
**Sponsor's Contingency Fund (2018)

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 is expected to be complete in winter 2019/2020.

77. **PROJECT:** **Little Snake River Valley Municipal Water Supply**
LEVEL: II
SPONSOR: Towns of Dixon and Baggs
LOCATION: Carbon
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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 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 II	94	2018	I	$ 135,000	2021

PROJECT INFORMATION:
The Towns of Dixon and Baggs filed a joint application requesting a Level II Study to investigate the potential for a regional system in the Little Snake River Valley and an identification of what upgrades are necessary for their existing water treatment plants. The potential regional service area would encompass unincorporated Savery, the towns of Dixon, and Baggs, and potential rural users. Currently both Dixon and Baggs have separate systems that include infiltration galleries under the Little Snake River (in their respective towns), water treatment plants, and storage. The Little Snake River has issues with water quality at times as well as volume. Additionally, the Environmental Protection Agency's changes to drinking water standards has forced both Towns to upgrade their plants with costly equipment. Source supply concerns, costs for maintaining the two treatment plants, and serving new and future users are the impetus for this study. This study will consider several regionalization alternatives as well as identify what upgrades to the existing water treatment plants would be necessary in the event that upgrading is a cheaper alternative for the residents than a regional system. A new source of supply, in the Savery Creek area, will be explored which will make water available to the Savery area and upper end of the valley. Another alternative to be examined would be to upsize, and upgrade, one of the existing treatment plants to supply a smaller regional system. The study is ongoing with a final report expected January, 2020.

78. **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 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 this 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 includes the following key components:

- Hydrologic Model Refinement
- Geological/Geotechnical Analysis and Field Investigation
- Environmental and Other Aquatic Resources Investigation
- Cultural Resource Surveys
- Economic Analysis Refinement

The overarching objective of the Phase II analysis is to continue to develop project knowledge by leveraging decades of work to develop a preferred alternative for recommendation for a Level II, Phase III (permitting and final design) funding request. The final report is expected in 2020.

79. 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.

80. PROJECT: Lower Laramie River Watershed Study

LEVEL: I
SPONSOR: Platte County Resource District
LOCATION: Platte, Goshen, Albany, and Laramie County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	94	2018	I	$ 290,000	2021

PROJECT INFORMATION:
The Platte County Resource District requested a watershed study in 2016 to evaluate current watershed function, irrigation diversion/conveyance systems, and upland livestock/wildlife water management and rehabilitation opportunities. Following a one-year postponement by the WWDC and consistent with 2017 Wyoming Session Laws, the 2018 Wyoming State Legislature approved funding for this watershed study.

The Lower Laramie River watershed, located in Platte, Goshen, Albany, and Laramie County, covers approximately 1,500,000 acres. The watershed includes the primary stream system of the Laramie River and numerous tributaries. Flooding in 2015-2016 on Sybille Creek and Laramie River resulted in significant stream erosion problems and severely impacted diversion structures.

This study developed an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and

geomorphic characterization of the stream systems. This information was incorporated into development, rehabilitation, and management plans complete with cost estimates for potential future project activities.

During the course of the project, conservation district board members, landowners, stakeholders, and representatives from state, local, and federal agencies were involved in six public meetings and multiple site visits. Key issues in the watershed were identified and discussed. Site visits were conducted to evaluate the project and propose development concepts.

As a result, an evaluation of varied systems resulted in 32 individual watershed improvements projects. These projects include:

- 17 livestock/wildlife water improvement projects
- 7 irrigation system improvement projects
- 8 other management practice improvements that include projects to promote stream channel stability and environmental enhancement, stream bank stabilization, wetland enhancement and fisheries-related opportunities.

A final draft report presentation was held at the Platte Valley Bank in Wheatland on October 22, 2019. The project will be closed out at an upcoming WWDC meeting following final report submission.

81. 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. Design of the transmission pipeline began in the summer of 2019. The transmission pipeline is expected to cross private property and BLM land, and easements may change the final pipeline alignment from that identified in the Level II study. Construction is expected to begin in late in 2019 and continue into 2020.

82. **PROJECT:** **Lusk Water System Improvements 2018**
LEVEL: III
SPONSOR: Town of Lusk
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$ 200,000	2016
Level II	38	2016	I	$ 175,000	2019
Level III	121	2018	I	$ 546,050	2023*

*67% Grant

PROJECT INFORMATION:
The Town of Lusk is located in east-central Wyoming in Niobrara County. The Town of Lusk public water system serves the town and adjacent area, including the Wyoming Women's Center. The system is supplied with groundwater from four existing production wells completed into the Arikaree Formation. The total combined yield of the four (4) wells is approximately 1,800-gpm. The town's water system includes three (3) storage tanks with a total combined capacity of 1,061,000 gallons. The Town's water system supplies a population of approximately 1,560 through 771 taps. The Town is currently using only Well #1 and Well #8 to be in compliance with a U.S. EPA Notice of Violation (NOV).

The Level II water supply/quality feasibility study was requested by the Town of Lusk to address the September 2014 U.S. EPA NOV and Administrative Order (AO) for all four of the Town's wells, which have exceeded the MCL for adjusted gross alpha on occasion. The September 2014 EPA NOV/AO directed the town to develop and submit a compliance plan to resolve the violations. The Level II study commenced in June 2016 and was completed in early 2018.

The Town of Lusk was awarded a Level III appropriation in 2018 for the construction of a new well and updates to the existing storage tanks in order to meet the EPA requirements. Construction began in July 2019 and is anticipated to be completed in September 2019.

83. **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 is feasible and no fatal flaws are 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 is now underway as Task Order 2017-1 under the existing Technical Service Agreement 15-WC-40-559. The task order has refined the feasibility of enlarging the facility and has 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. Work on these tasks is complete. The Reclamation Risk Analysis draft report has been 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 will not be 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,

adding a diaphragm filter around the downstream end of the outlet works conduit, and constructing 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 in this study were judged by Reclamation to be the most cost-effective alternatives for the risk reduction achieved and even with further evaluation it is likely that most if not all of the proposed structural 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 will be presented with project results from Reclamation in late 2019 or early 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 construction costs. However, if conditions change in the future, they may be interested in pursuing the project then. When the Reclamation led study is complete and the District has submitted a letter with their formal decision, the project will be closed out.

84. 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 the engineering consultant to design the project and provide construction management services. The District asked for changes to the preferred alternative and are looking for alternate locations for well from

the level 1 study. The District is having an independent planning study prepared with the new alternatives and will submit to WWDO for approval prior to design beginning. In response to the independent study, the District submitted a groundwater grant funding request to the WWDC which will be considered by the WWDC at the November 2019 Commission meeting.

85. **PROJECT:** **Middle Big Horn River Watershed Study**
LEVEL: I
SPONSOR: South Big Horn Conservation District and Washakie County Conservation District
LOCATION: Big Horn, Washakie, Hot Springs, and Park Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	94	2018	I	$ 300,000	2021

PROJECT INFORMATION:
The South Big Horn Conservation District and the Washakie County Conservation District requested a watershed study in 2016 to evaluate current watershed function, irrigation diversion/conveyance systems, and upland livestock/wildlife water management and rehabilitation opportunities. Following a one-year postponement by the WWDC and consistent with 2017 Wyoming Session Laws, the 2018 Wyoming State Legislature approved funding for this watershed study. The Middle Big Horn watershed includes the primary stream system of the Middle Big Horn River from south of Worland to Greybull where the Big Horn River confluences with the Greybull River.

This study developed an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information was incorporated into development, rehabilitation, and management plans complete with cost estimates for potential future project activities.

During the course of the project, conservation district board members, landowners, stakeholders, and representatives from state, local, and federal agencies were involved in seven public meetings and multiple site visits. Key issues in the watershed were identified and discussed. Site visits were conducted to evaluate the project and propose development concepts. As a result, an evaluation of varied systems resulted in individual watershed improvements projects to address irrigation system improvements and rehabilitation, livestock/wildlife upland water source opportunities, stream channel stability projects, wetland development and enhancement opportunities, and grazing management opportunities. Three specific projects, the North Antelope Drainage District drainage network, the City of Worland High Head Hydropower project and the Lower Hanover Canal Improvement project were specifically investigated. Please see the report for details on these projects.

Final draft report presentations were held the morning of October 30, 2019 in Worland at the Worland Community Center and in the afternoon of October 30, 2019 in Basin at the Big Horn County Fairgrounds. The project will be closed out at an upcoming WWDC meeting following final report submission.

86. **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. The contractor continued construction activities in 2019, working on the improved grout curtain, concrete weir, grouted rip-rap and material processing. Due to the elevation (8,800 feet) and remoteness of the project site, the construction season is short (approximately 4 to 5 months). The project is anticipated to be complete in the fall of 2022.

87. PROJECT: Midvale Bull Lake Rehabilitation 2015

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	I	$ 150,000	2016
Level III	23	2015	II	$ 2,653,200	2020*

*67% grant

PROJECT INFORMATION:

The United States Bureau of Reclamation is in the process of replacing the emergency spillway at Bull Lake Dam. The USBR is in control of the design, construction, financing, and schedule for this project. The sponsor's involvement consists of repaying its 15% share of costs to the USBR. The sponsor will initially have a loan from USBR with 0% interest and a 50-year term. The project appropriation is to pay down 67% of the loan with a WWDC grant of $2,653,200. The project is currently on hold pending additional federal funding.

88. 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. 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. The 27.0B project was constructed during the winter of 2018-2019 and the 31.7 project will be completed during the winter of 2019-2020.

89. 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.

90. **PROJECT:** **Midvale Pilot 27.0 A Lateral 2017**
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*

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

PROJECT INFORMATION:
The Level II study completed in 2007 ranked the Pilot 27.0 A Lateral, serving about 421 acres, twelfth on the list of potential pipeline conversions. This is an open ditch with structures in poor to failing condition and the structures have been repaired several times with little long-term success.

Seepage in this area is considerable. The Midvale Pilot 27.0 A Lateral 2017 Project will replace the ditch with buried pipe. The 100% grant financing from WWDC will be used to purchase invoiced materials. The sponsor will pay for the land rights and permits, and provide the engineering, labor, equipment, and other resources necessary for design and construction of the project. The District completed the project in 2019.

91. **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 obtained a water sales agreement with the City of Riverton, and the project is currently in the design phase. Once the City of Riverton completes their transmission pipeline project, then Mountain View Acres can begin construction on their connection to the transmission pipeline.

92. 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 has 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 provides 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 concept. 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 $1.3 million from $12.74 million to $11.44 million. 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 $11.44 million construction cost results in about $1,430/ac-ft for the additional 8,000 ac-ft of the proposed 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 2.5 for the 8,000 acre-foot enlargement.

Results from the environmental investigations and evaluations were shared and discussed with the USDA Forest Service (USFS), U.S. Army Corps of Engineers (USACE), and Wyoming Game and Fish Department. Based on the pre-application consultation with the agencies, there are no apparent fatal flaws with the project and it is 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 work is substantially complete and expected in late 2019.

In 2019, $1,500,000 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 and operating plan, emergency action plan, and technical review. Work is just beginning on these tasks with the majority of the work expected to occur in 2020. A NEPA kickoff meeting was held with the USFS on October 21, 2019 to discuss internal scoping topics and the proposed schedule for the EA.

93. **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 in progress. Bidding for the construction project is planned for early 2020 with construction starting in the summer of 2020.

94. **PROJECT:** **Northwest Rural Water System Improvements 2018**
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*

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 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 NRWD'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 2018, the NWRD received a grant funding appropriation from the New Development Program of $1,076,690 for 67% for the eligible WWDC costs. During 2018, the NWRD hired the services of an engineer, completed the design and bid project. The project is anticipated be under contract in late 2018 with construction to follow. The project is anticipated to be completed in 2019.

95. **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 anticipated to go bid in late 2019 with construction to follow.

96. 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	2020

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 and an Environmental Impact Statement (EIS) has been completed. 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.

97. **PROJECT:** **Osage Water Master Plan**
LEVEL: I
SPONSOR: Osage Water District
LOCATION: Weston County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	1993	I	$ 100,000	1996
Level II	10	1994	I	$ Hold	1997
Level II	8	1995	I	$ 140,000	1998
Level III	45	1997	I	$ 1,205,000	2002
Level I	94	2018	I	$ 190,000	2021

PROJECT INFORMATION:
In 2017, the Osage Water District applied for WWDC-funding for the Osage Water Master Plan, Level I Study to identify the components of the existing system that were deficient and to provide a schedule for improvements. The Osage Water District formed in 1994 and inherited a pre-existing, public water system from Black Hills Power and Light Company (BHP&L). The existing water system currently (2019) serves a population of 208 through 125 taps within the District and 20 taps outside of the District. The system includes a 250-gpm flowing Well #4 (Madison Limestone, 2,700 feet deep), chlorination at the well head, a 250,000-gallon steel above-ground storage tank, 12-inch PVC transmission pipeline, and distribution system.

The study commenced in June, 2018. Seven deficiencies were identified in the existing Osage water system, yielding the following recommendations: replacement of aging piping, hydrants, and valving; incorporate an additional Madison Well (Well #3) as redundant supply; epoxy-coat the tank; upgrade water meters; upgrade SCADA system; construction of a new Madison Well (option); and upgrade chlorination system and alarm. Conceptual designs and cost estimates were prepared for each alternative to address these deficiencies. The final report, executive summary, and deliverables were received in June, 2019. The project is scheduled for close out at the January 9, 2020 WWDC meeting.

98. PROJECT: Pine Haven Well and Tank

LEVEL: III
SPONSOR: Town of Pine Haven
LOCATION: Crook County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	5	1988	I	$ 165,000	1989
Level III	2	2001	I	$ 235,000	2002
Level II	7	2002	I	$ 575,000	2003
Level III	69	2003	I	$ 115,000	2005*
Level I	33	2008	I	$ 100,000	2009
Level III	105	2006	I	$ 348,000	2010*
Level II	66	2013	I	$ 100,000	2015
Level III	23	2015	I	$ 2,077,000	2020*
Level III	105	2006	I	$ 392,000	2020**

*67% grant
**Sponsor's Contingency Funds (2018) 67% grant

PROJECT INFORMATION:
The Town of Pine Haven water system supply consists of two groundwater wells completed into the Madison Formation and the current storage system does not provide adequate pressure to all points of delivery within the water system. The new well and upgraded system is intended to improve water pressures and fire protection, depending on existing pipeline capacities, and the expanded storage

component will provide service to a larger population. The project is nearing final completion. The project should close-out in early 2020.

99. **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 is currently served by a well and pressure tanks. The District is interested in the construction of a storage tank and booster pump to provide water in the event of a power outage at the well site, 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 agreement has been signed and the District his hired an engineering consultant to design the project and perform construction management services. The project design is complete and the bid opening is scheduled for December 2019.

100. **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	2019**

*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 has been delayed due to easement issues. Additionally, the Level II study that is currently in process has provided the District with an alternate path to follow regarding their diversion off North Piney

Creek. This will result in some redesign work once the easement issues have been resolved. The District is working on acquiring the final easement necessary to move forward with project design. In 2019, the District received a time extension until July 1, 2022.

101. 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 design and permitting has been completed. The project is anticipated to bid in the winter of 2019/2020.

102. PROJECT: Platte Alliance Water Supply (PAWS) Study

LEVEL: II
SPONSOR: Goshen County Board of Commissioners
LOCATION: Platte, Goshen County WY; Scottsbluff, Morill County, NE
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	125	2003	I	$ 150,000	2006
Level II	38	2016	I	$ 200,000	2019

PROJECT INFORMATION:
The Goshen County Commission is acting as the lead Wyoming governmental entity in advancing the concept of replacing existing municipal and rural water source supply wells with a regional (interstate) surface water treatment plant and delivery transmission system. The source of water would be the North Platte River via available and existing storage, consolidation of key correlative municipal/domestic groundwater rights, and other potential tributary or water right purchase opportunities that may be identified. The study area is comprised of an interstate stretch of the North Platte River Valley and environs extending from Guernsey Reservoir in Wyoming to Bridgeport, Nebraska. This study however may limit to a service area of those communities and rural areas that are more evidently stressed by poor drinking water quality and can feasibly be treated in an initial conceptual design.

The 2013 PAWS Appraisal Investigation satisfied the funding institution (USDI-BuRec) and the sponsor as a "Level I" study. The WWDC Level II feasibility study addresses the following:

- Program/Planning, Stakeholder Identification, Institutional Authority, Outreach
- Water Supply and Water Rights
- Review of Alternatives & Options
- Interstate Governance
- Refined Conceptual Design of Water Storage/Treatment and Transmission
- Construction, Operation & Maintenance, and Replacement Cost Estimates
- Economics & Financing
- Environmental

A total project budget of $390,000 was recommended to be a 50/50 match between the State of Wyoming and the City of Scottsbluff, Nebraska. The Level II Study draft report was submitted in July of 2019 and a public hearing is scheduled for November 20, 2019 in Torrington, WY. Final report submittal will follow after the public hearing.

103. PROJECT: Popo Agie Watershed Study, Phase II

LEVEL: I
SPONSOR: Popo Agie Conservation District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	86	2001	I	$ 200,000	2004
Level I	94	2018	I	$ 235,000	2021

PROJECT INFORMATION:

The Popo Agie Conservation District requested a watershed study to build upon the Level I Study that was completed in 2003. Since that time, the District has pursued some of the recommendations of the first Level I study, but the District's working group has identified the need to examine potential projects that were not explored in the 2003 Level I study. Accordingly, the second phase of this Level I study will focus on projects for micro-and underground water storage, and further ditch and diversion improvements. The expectation is that the study will lead to implementation of some targeted projects, in partnership with landowners, ranchers, irrigators, and others to maximize the beneficial use of water in this heavily-used river.

The Popo Agie watershed, located in Fremont County, covers approximately 514,174 acres. The watershed includes the primary stream system of the Middle Fork Popo Agie River, North Fork of the Popo Agie River, and the Little Popo Agie River and numerous tributaries. Water storage facilities include Worthen Meadows Reservoir (municipal storage for Lander), Frye Lake (irrigation), Christina Lake (irrigation), Shoshone Lake (irrigation), Louis Lake (irrigation), and Carr Reservoir (irrigation). There are approximately 192,039 acres cropped and 100,419 acres irrigated by open ditch, flood, gated pipe, side roll and center pivot. The primary crops grown in the watershed are grass hay, alfalfa, and oats. In the watershed, 60% of the acres are range, 10% are pasture and 30% are forest.

This project focused on the following:

1. The potential to construct micro-storage facilities in strategic locations off the main river channel that will enable irrigators to hold water in the system for use later into the irrigation season. A number of sites were evaluated and ranked in the report.

2. An examination of potential irrigation infrastructure improvements that will deliver the greatest increases in conveyance efficiency. Ditches and ditch systems were visited and evaluated. In the report, recommendations are listed for improvements that would result in conservation of water for the Popo Agie Watershed and/or reduce losses that occur.

3. Exploration of the feasibility of capturing surface water at certain times of the year to store underground, recharge groundwater resources, and enhance late-season water availability. Several selection criteria, including regulatory, operational, hydrogeologic, and costs, were considered and used to evaluate potential technologies, locations and storage aquifers. The four technologies considered in the analysis included; injection/recovery wells; injection with passive recovery; infiltration basins; and enhanced ditch infiltration. For details on the technologies investigated, please see the report.

During the course of the project, four public meetings were held. A final draft report presentation was held in Lander at the Lander Community and Convention Center on October 29, 2019. The project will be closed out at an upcoming WWDC meeting following final report submission.

104. PROJECT: Powder/Tongue Northeast Groundwater Analysis

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Powder/Tongue and Northeast River Basins
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	168	2015	I	$ 275,000	2018

PROJECT INFORMATION:

In 1999, the Legislature initiated the Statewide Water Planning Process with its appropriation to fund the Bear and Green River basin plans. Those plans were completed in January 2001. The 2000 Legislature appropriated funding for the Powder/Tongue River Basin and the Northeast River Basin plans, which were completed in 2002. The next basin plans undertaken were the Wind/Bighorn and the Snake/Salt River basins, which were completed in 2003. The Platte River Basin Plan was completed in May of 2006, and marked the culmination of the first round of river basin plans.

The Statewide Framework Water Plan, which updated the 1973 framework plan and consolidated information from the seven basin plans was initiated in 2005 and completed in 2007. The second phase of river basin planning was then initiated with a focus on groundwater. The WWDC has contracted with the Wyoming State Geological Survey to complete the groundwater analysis, and they in-turn have worked with the United States Geological Survey and the University of Wyoming, Water Resources Data System to complete these efforts.

This study identified the aquifers present, extent of the aquifers, recharge areas and recharge rates, water quantity and quality, and safe yields. This will be an important tool considering the key role groundwater could play in future development within the basin. The final report was completed in November 2019.

105. PROJECT: Powder/Tongue Northeast River Basin Plan Update

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Powder/Tongue and Northeast River Basins
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Powder/Tongue	36	2000	I	$ 500,000	2002
Northeast	36	2000	I	$ 300,000	2002
Powder/Tongue/Northeast	168	2015	I	$ 375,000	2018

PROJECT INFORMATION:

In 1999, the Legislature initiated the Statewide Water Planning Process with its appropriation to fund the Bear and Green River basin plans. Those plans were completed in January 2001. The 2000 Legislature appropriated funding for the Powder/Tongue River Basin and the Northeast River Basin plans, which were completed in 2002. The next basin plans undertaken were the Wind/Bighorn and the Snake/Salt River basins, which were completed in 2003. The Platte River Basin Plan was completed in May of 2006, and marked the culmination of the first round of river basin plans. With this culmination, the Statewide Framework Plan was authorized in 2005 and completed in 2007.

In 2010, the second phase of river basin planning was initiated. For this Basin Plan update, the Powder/Tongue and Northeast River Basins have been combined. The information and data provided will include an update of information that was developed in the first Powder/Tongue and Northeast River Basin Plans as well as the following new items: a level I geomorphic characterization of rivers and streams within the basin and annual and peak runoff estimates for each of the hydrologic unit code (HUC) 12 watersheds in the study area. These new items will provide advances to the basin planning process by providing much needed data which can be incorporated into watershed studies as well as a number of other studies within the WWDO, including dam and reservoir studies.

Open houses were held to discuss topics related to water resources of the area including water use and availability, water rights, water quality and future water demand projections. Meetings will continue throughout the course of this study. The study is ongoing and will be completed in 2020.

106. PROJECT: River Basin Planning - GIS Data Model Implementation

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	$ 115,000	2021

PROJECT INFORMATION:

This project is part of the River Basin Planning program modernization efforts. This mapping project will improve data consistency, minimize duplication of data collection efforts, and providing better access for constituents. By developing water infrastructure data statewide, it will be possible to understand the infrastructure needed to support a changing economy and make investments consistent with best scientific, engineering, and management practices. This project will assist the State of Wyoming in finding innovative solutions to maintain, and redesign existing water infrastructure and build new water

infrastructure over the coming years. Developing consistent water infrastructure information across the State, and making it available to consultants, will save time and money on future planning studies.

Water system infrastructure data is under development for conveyances, points of diversions, and reservoirs. Existing digital data sets as well as hard copy plat maps have been used to populate the preliminary data sets. Once compiled, data set development requires detailed QC and analysis to ensure locational accuracy, linkage of features and removal of duplicate records. This project is ongoing.

107. PROJECT: 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 were funded during the 2018 Legislative session. Phases III and IV were funded during the 2019 Legislative session. In addition, this project received funding for work needed on the National Hydrography Dataset, which is the foundation for StreamStats.

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. This project will assist 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 will include developing GIS base layers, calculating basin characteristics, and analyzing stream gauges to assist in the process of developing regional regression equations. Phase III and IV of this effort will 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. This project will be ongoing in 2020.

108. **PROJECT:** **River Basin Planning – Water Supply Index**
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	$ 170,000	2021

PROJECT INFORMATION:
This project will provide a state-wide view of water use and availability over time. This will greatly improve the WWDO's understanding of areas around the state in most need of additional or supplemental water. This water supply index is based on a combination of remote sensing, gauge data, survey data, and existing River Basin Plan information. The analysis will utilize credible historic data to provide state-wide maps of generalized water use under different hydrologic scenarios. Maps, data, and statistics will show how water use trends perform in relation to water availability. The report will describe data that provides the best indicator of water supply for each basin, forming the basis of the index.

The draft Water Use Index has been developed for Agricultural, Municipal/Domestic and Industrial sectors. The index extends previous basin plans through project developed data sets for agricultural use and mining readily available data for the other sectors. Irrigated acres are a core data set in the model and are estimated based on georeferencing place of use data from ePermit and remote sensed imagery which detects greenness or irrigated lands. These data sets and models are primarily complete and documentation is under development to provide tools for updating these datasets in-house on an annual basis. This project is ongoing.

109. **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	$ 542,000	2023*

*67% 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 for construction this winter.

110. **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††

*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 sponsor has completed the design process for Phase I (JCC transmission pipeline) and construction was completed in late 2012. The design of phase II (tank) was completed in the summer of 2012 with construction beginning in the fall of 2012. The tank was completed in the fall of 2013. The completion of the pumping stations was delayed by problems in receiving materials but has been completed. Phase IV (valves and vaults) design and construction was completed. Phase V (pressure zone 4 transmission pipeline) design is nearly complete, but right-of-way issues have delayed the project.

The City was able to secure the remaining easement agreements and the project is now unable to be completed in the time allowed. The City submitted a 2019 funding and time extension request to complete the project. The request will be considered by the WWDC at the November 2019 Commission meeting.

111. **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 received a 2017 Level II study to construct a test well, Rolling Hills No. 7. The 2019 Level III funding is to purchase the Level II Rolling Hills Well No. 7, constructed under the 2017 Level II appropriation, install a treatment building and connect the well to the Town's water system. Design of the connection and treatment building began in July 2019. Bidding is expected in late 2019 with construction completed in spring of 2020.

112. PROJECT: Salt Creek-Edgerton-Midwest Master Plan

LEVEL: I
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:
The Towns of Midwest and Edgerton are supplied by the Central Regional Water System (CRWS) through a 45-mile long pipeline that was originally constructed in 1996. The water is pumped from the CRWS, in the Bar Nunn area, approximately 25 miles to a surge tank at 20-Mile Hill. From there the water is gravity fed to the storage tanks which feed the two Towns. A master plan has never been done for the area and infrastructure is aging. The Joint Powers Board filed an application for a Level I Water Master Plan for the Towns of Midwest and Edgerton including an evaluation of the 45-mile transmission line. The Master Plan will help evaluate the condition of their systems and provide recommendations for future planning, rehabilitation, upgrades, and managing/financing their systems. The Consultant was given notice to proceed March 28, 2019; the project is ongoing and still in the data collection phases. The project is scheduled for completion in August, 2020.

113. PROJECT: Saratoga Water Master Plan

LEVEL: I
SPONSOR: Saratoga/Carbon County Impact Joint Powers Board
LOCATION: Carbon County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	7	2002	I	$ 60,000	2005
Level II	125	2003	I	$ 180,000	2006
Level II	33/75/99	2004/05/06	I	$ 485,000	2009
Level III	121/90	2007/08	I	$ 4,656,500	2013
Level I	94	2018	I	$ 175,000	2021

PROJECT INFORMATION

A water master plan study was requested by the Town of Saratoga 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. This master plan would serve as a framework for the Town 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. The last formal comprehensive evaluation of the Town of Saratoga's water supply and facilities was the "Saratoga Master Plan Update and Level 1 Study" (SMPLU1) completed in 2003 for the Wyoming Water Development Commission. The main goal of the 2003 master plan was to update the 1978 Water and Sewer Study. A key recommendation of the SMPLU1 was to test the concept of developing a well field to replace the Town's intake from the North Platte River as a primary water source. The "Saratoga Test Well Study, Level II" (STWSL2) (2007) completed for the WWDC, confirmed the feasibility and cost effectiveness of abandoning the river intake and treatment system with five new water production wells. The new ground water supply and delivery system was constructed and put into service in 2009.

The current water master plan study found that in general the system performs adequately for the present and future demands of Saratoga, but there are issues regarding system storage, water age, infrastructure age and operations. To address these concerns in the system, several methods were evaluated separately and in various combinations to produce recommendations for a more reliable water system. The recommended improvements (well field rehabilitation, new tank, etc.) from the Level I Study were prioritized, along with the identification of costs and funding scenarios. A public presentation of the study's findings was given in Saratoga on May 8th, 2019. The final report has since been submitted and the project is scheduled for closeout at the January 9, 2020 WWDC meeting.

114. PROJECT: Savery-Little Snake-Battle Creek Diversions

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*

*67% grant

PROJECT INFORMATION:
The Savery-Little Snake River Water Conservancy District is proposing to rehabilitate two diversions. One diversion is located on Battle Creek. The second diversion, the Raught Diversion, is located on the Little Snake River. Both diversions are inefficient and do not function at low flows. Continuous incursions into the creek/river beds are required to push up material to make the diversions function.

The 2015 Level III funding is to rebuild the diversions using the Rosgen techniques that utilize natural materials to stabilize the waterways up and downstream for longevity of the diversions. The District will supply all the engineering support for the project. In 2015, the Legislature approved an appropriation of $871,000 in the form of 67% grant. The remaining 33% will be funded by the Sponsor. The Raught Diversion is complete. The Battle Creek Diversion is designed with construction anticipated in 2019.

115. PROJECT: Sheridan Leopard Street Pipeline

LEVEL: III
SPONSOR: City of Sheridan
LOCATION: Johnson County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	I	$ 2,211,000	2020*

*67% grant

PROJECT INFORMATION:
The basis for the funding request was identified in the 2008 Level I Study – Final Report for the City of Buffalo – Sheridan Area Water System – Lake De Smet. In 2014 the City requested funding to replace an existing transmission line from the South Low Tank along Leopard Street and east through the City to the Burkitt Street/Sherman Street intersection. The existing 14-inch cast iron transmission line is in poor condition and needs replacement. Existing transmission and distribution lines in this area are deteriorating and corrosion has led to increased water leaks in recent years. The existing 14-inch transmission line was replaced with 7,820 feet of 16-inch PVC pipe.

In 2015, the City received a grant funding appropriation from the New Development Program of $2,211,000 (67% grant) for the eligible WWDC costs. During 2015, the Sponsor selected an engineer, secured SRF funding and initiated the design process for the project.

In 2016, the design process was completed and the project was successfully bid and awarded. The project anticipates completing construction in 2016 - 2017. During construction, a section of the pipeline was determined to be removed from the project and re-bid due to contractor and land owner concerns. This section of pipe has been re-bid and the construction is anticipated to reach final completion in late 2018. The project is anticipated to be completed in 2018 and closed out in 2019.

116. PROJECT: Sheridan Municipal Watershed Wildfire Hazard Mitigation Assessment

LEVEL: I
SPONSOR: Sheridan Area Water Supply Joint Powers Board (SAWS-JPB)
LOCATION: Johnson and Sheridan Counties
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 II	66/57	2009/12	III	$ 600,000	2012/2015
Level III	121	2007	II	$ 427,020	2012
Level III	121	2007	I	$ 5,260,840	2012
Level III	141/100	2013/14	I	$ 1,714,460	2018/2019
Level III	23	2015	I	$ 2,211,000	2020
Level III	23	2015	II	$ 2,144,000	2020
Level I	94	2018	I	$ 165,000	2021

PROJECT INFORMATION:

The Sheridan Area Water Supply Joint Powers Board (SAWS – JPB) requested a study to assess the Goose Creek Municipal Watershed for wildfire mitigation. The sole source of water for the City of Sheridan/SAWS-JPB water system is water from the Goose Creek watershed. Physical damage to the watershed, intake and treatment structures as well as chemical changes to the surface water resulting from a wildfire would significantly decrease water system capacity. Identifying areas that have the highest potential for protection of the watershed through vegetative treatments and other measures will allow the Big Horn National Forest to plan and execute specific high value fuel reduction and fire barrier activities to reduce the level of wildfire risk to the watershed.

The Goose Creek Watershed is located primarily in Sheridan County and covers approximately 265,766 acres and includes the sub-watersheds of Goose Creek, Little Goose Creek and Big Goose Creek. The City of Sheridan lies on the confluence of Big Goose Creek and Little Goose Creek.

This project, in close coordination with the WWDO, the Wyoming State Forestry Division, the City of Sheridan, and the U.S. Forest Service, identified specific, strategically located, forest health treatment opportunities in the forested watershed that contribute to the city of Sheridan's municipal water supply in order to mitigate, pre-fire, the risk associated with the effects of catastrophic fire in the watersheds. A number of multidisciplinary meetings were held as well as five public meetings throughout the course of this study. A final draft report presentation was held March 7, 2019 in Sheridan at the Sheridan County Fulmer Library.

117. PROJECT: Sheridan North Side Transmission Pipeline 2018

LEVEL: III
SPONSOR: City of Sheridan
LOCATION: Johnson County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	I	$ 2,211.000	2020*
Level III	121	2018	I	$ 1,735,300	2023*

*67% grant

PROJECT INFORMATION:

The project will serve the north to northwest part of Sheridan providing additional supply capacity, fire flow delivery, and system redundancy. The project includes the construction of 2.2 miles of 12" transmission pipeline, pressure reducing valve vaults, and necessary appurtenances to complete the project. This area of Sheridan has recently received a new interchange on I-90 and has been sited for a new school. The basis for the project was detailed in a preliminary engineering report funded by the City of Sheridan.

In 2018, the City received a grant funding appropriation from the New Development Program of $1,735,300 for 67% for the eligible WWDC costs. During 2018, the City hired the services of an engineer, completed the design, bid and awarded the project. The City secured and paid for the services of the engineer during the design phase to aid in expediting the project. The project is currently under construction and is anticipated to be completed in 2019.

118. **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	2020

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 more 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, 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 will need to be extended during the 2020 Budget Session to allow the Sponsors to continue purchase of Park Reservoir shares as they become available.

119. PROJECT: Sheridan Water Master Plan

LEVEL: I
SPONSOR: City of Sheridan
LOCATION: Sheridan 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 II	67/57	2009/12	III	$ 600,000	2012/15
Level III	121	2007	II	$ 427,020	2012
Level III	121	2007	I	$ 5,260,840	2012
Level III	141/100	2013/14	I	$ 1,714,460	2018/19
Level III	23	2015	I	$ 2,211,000	2020
Level III	23	2015	II	$ 2,144,000	2020
Level I	94	2018	I	$ 250,000	2021

PROJECT INFORMATION:
The water supply for the City of Sheridan and the Sheridan Area Water Supply (SAWS) Joint Powers Board (JPB) rural system consists of direct flow from Big Goose Creek and stored water in reservoirs in the Big Horn Mountains. Although there are two entities involved, the same operators and facilities serve the entire system for efficiency. Raw water is diverted, pre-treated, and then delivered to one of two water treatment plants (WTP). The system primarily utilizes gravity flow with many pressure reducing stations with several booster stations to serve various pressure zones within the system. Multiple storage tanks have a total of 13.5 MG in the system.

The study commenced in July, 2018 and developed an overall master plan for both the City and the SAWS JPB. Several needs were identified and prioritized within the water system, with a Level III construction project to replace the Airport Transmission Main as the highest priority and critical need. Other improvements were recommended to the following: the intake facilities, metering, storage, and

transmission mains. The final report, executive summary, and deliverables were received in June, 2019. This study was closed out on October 4, 2019.

120. **PROJECT:** **Shoshone Irrigation District Rehabilitation 2017**
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	2006	II	$ 300,000	2008
Level III	75	2017	II	$ 234,000	2022*

*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 Level II study. Financing from WWDC is used to purchase invoiced materials and the sponsor pays for the engineering, land rights, permits, provides labor, equipment and other resources necessary for construction of the project.

The Shoshone Irrigation District Rehabilitation 2017 Project consists of replacing two concrete drop structures on the Garland Canal, and replacing three ditch segments with buried pipe. 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 7,400 feet.

The sponsor construction of the Garland Canal Drop Structure and two pipeline segments during the 2017-2018 winter. The remaining work is going to bid in the fall of 2018 and the project is anticipated to be completed in 2019.

121. **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 bid the materials and the materials were delivered to the District. The District intends to start the project Winter 2019/2020.

122. PROJECT: Shoshone Transmission Pipeline 2016

LEVEL: III
SPONSOR: Shoshone Municipal Water Supply JPB
LOCATION: Park and Big Horn Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	55	2016	I	$ 2,227,500	2021*

*33% grant

PROJECT INFORMATION:
The project consists of relocating a 16" steel pipeline that is currently within WYDOT right-of-way. The pipeline is currently located underneath the road maintained by WYDOT. WYDOT planned a road construction project and is moving all utilities out from under the roadway right-of-way.

In 2016, the Sponsor was awarded grant funds from the New Development program in the amount of $2,227,500. This amount is for a 33% grant of the project eligible costs. The remaining project funds are to be provided by the Sponsor and WYDOT. During 2016, the Sponsor selected an engineer and initiated the design and easement acquisition process. During 2017, the project was successfully bid and awarded. Construction was initiated and completed in 2018. The project is in the close out phase and the Sponsor anticipates closing the project out in 2019.

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:
The Silver Lake Irrigation District (District) applied for and received funding for a Level II feasibility study to investigate rehabilitation options for the dam embankment and outlet works on Silver Lake. Silver Lake is located in the Bridger-Teton National Forest Wilderness Area east of Boulder, WY. The 1955 dam enlarged the existing Silver Lake and 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.

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 aging infrastructure has deteriorated to the point where the outlet works are no longer serviceable, thereby impeding the District from utilizing their water rights.

A $250,000 appropriation, during the 2018 Budget Session, authorized 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 is complete and a minimum requirements analysis (MRA) document was submitted to the Forest Service during the summer of 2018 requesting permission to conduct a geotechnical investigation at the dam site. Coordination with the Forest Service has been slow, and after many meetings, revisions, and reviews, a final version is anticipated by the end of 2019. Once the MRA is approved, the NEPA process can be initiated. It is anticipated that an Environmental Assessment should be sufficient to meet the Forest Service's NEPA obligations for this request. The geotechnical field work is planned for fall of 2020.

Concurrent to the events described above, the District applied for and received NRCS PL 83-566 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 also will develop preliminary designs and cost estimates for the proposed alterative, in anticipation of construction. Since many of the tasks in the

NRCS Watershed Plan are similar to the WWDC Level II feasibility study tasks, the WWDO has coordinated extensively with the District and NRCS to ensure efforts are synchronized to provide an efficient and complete solution for the Sponsor.

124. PROJECT: Small Water Development Projects

LEVEL: III
SPONSOR: Numerous
LOCATION: Statewide
PROGRAM: New Development/Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Small Project	88	2002	I	$ 500,000	2006
Small Project	118	2004	I	$ 750,000	2006
Small Project	114	2005	I	$ 500,000	2006
Small Project	32	2010	I	$ 200,000	2012
Small Project	14	2011	I	$ 300,000	2014
Small Project	100	2014	I	$ 600,000	2025
Small Project	23	2015	I	$ 500,000	2025
Small Project	55	2016	I	$ 750,000	2025
Small Project	121	2018	I	$ 750,000	2025
Small Project	55	2019	I	$ 2,000,000	2025
Small Project	88	2002	II	$ 500,000	2006

Small Project	118	2004	II	$	750,000	2006
Small Project	114	2005	II	$	500,000	2006
Small Project	32	2010	II	$	-200,000	2014
Small Project	100	2014	II	$	300,000	2025
Small Project	23	2015	II	$	400,000	2025
Small Project	55	2016	II	$	300,000	2025
Small Project	121	2018	II	$	100,000	2025
Small Project	55	2019	II	$	700,000	2025

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.

Project Name	Date Approved	Account	Expiration
Bull Springs Water Development	03-Mar-17	I	31-Dec-19
Churches Small Water Project	03-Mar-17	I	31-Dec-19
Lower Snake River Ranch State Land Stock Pond	03-Mar-17	I	31-Dec-19
Mill Creek Well and Trough - Roberts	03-Mar-17	I	31-Dec-19
Monument Pasture Water Well 2017	03-Mar-17	I	31-Dec-19
Mountain Home Spring	03-Mar-17	I	31-Dec-19
Muddy Creek Check Structure	04-Mar-16	I	31-Dec-19
Munger Mountain Pasture Stock Tanks	03-Mar-17	I	31-Dec-19
Niger Creek Pond	03-Mar-17	I	31-Dec-19
Purple Sage Flat Top Water Well	03-Mar-17	I	31-Dec-19
Red Wash Wetlands Conveyance, Irrigation Improvements, and Enlargement	03-Mar-17	I	31-Dec-19
7E Ranch Diversion #1 and #2	03-Mar-17	II	31-Dec-19
6900 Well (Sweetwater County)	16-Mar-18	I	31-Dec-20
Bar X Sheep Co Spring Development and Stock Pipeline (Fremont Co)	16-Mar-18	I	31-Dec-20
Brush Rim #1 Water Well (Sweetwater County)	16-Mar-18	I	31-Dec-20
Brush Rim #2 Water Well (Sweetwater County)	16-Mar-18	I	31-Dec-20
Cuin Livestock Pipeline	16-Mar-18	I	31-Dec-20
Dead Cedar Draw Pond	16-Mar-18	I	31-Dec-20
Delaney Rim #1 Water Well (Sweetwater County)	16-Mar-18	I	31-Dec-20
Dexter Peak Extension Pipeline	16-Mar-18	I	31-Dec-20

Project Name	Date Approved	Account	Expiration
Duck Well #22	16-Mar-18	I	31-Dec-20
Hi-Allen Ranch Livestock Water System	16-Mar-18	I	31-Dec-20
Keenan Stock Water Project	16-Mar-18	I	31-Dec-20
McWilliams Stock Water Project	16-Mar-18	I	31-Dec-20
Muddy Mtn Deep Creek Pasture Stock Ponds	16-Mar-18	I	31-Dec-20
Myers Ranch Stock Water Ponds	16-Mar-18	I	31-Dec-20
Pathfinder Mine Water Development	16-Mar-18	I	31-Dec-20
PW Spring Development and Stock Pipeline	16-Mar-18	I	31-Dec-20
R&K Farm Stock Water Pipeline	16-Mar-18	I	31-Dec-20
Red Desert #1 Water Well (Sweetwater County)	16-Mar-18	I	31-Dec-20
Sand Hills Well	16-Mar-18	I	31-Dec-20
TC Pond and Irrigation Return Flows	16-Mar-18	I	31-Dec-20
Three Circles Livestock Pipeline	16-Mar-18	I	31-Dec-20
Anderson Howard Ditch	16-Mar-18	II	31-Dec-20
Central Pipeline Irrigation Improvement	16-Mar-18	II	31-Dec-20
Goforth Reservoir	16-Mar-18	II	31-Dec-20
High Savery Dam Tailwater Restoration	16-Mar-18	II	31-Dec-20
Hog Eye Irrigation Pipeline	16-Mar-18	II	31-Dec-20
Hughes Ditch	16-Mar-18	II	31-Dec-20
Little Ranch Irrigation Drainage Rehabilitation	16-Mar-18	II	31-Dec-20
Mexican Grave Allotment Well Equipping Project	16-Mar-18	II	31-Dec-20
Mill Creek Irrigation Improvement	16-Mar-18	II	31-Dec-20
Muddy Creek Duck Pond #2 Spillway Replacement and Dike Repair	16-Mar-18	II	31-Dec-20
Muddy Creek Duck Pond #3 Spillway Replacement	16-Mar-18	II	31-Dec-20
North and Middle 3-4 Spring Rehabilitations	16-Mar-18	II	31-Dec-20
River Bend Ranch Irrigation and Fish Passage Improvement	16-Mar-18	II	31-Dec-20
Triangle Y Ranch Pipeline	16-Mar-18	II	31-Dec-20
21 Creek Pipeline Extension - Phase I	15-Mar-19	I	31-Dec-21
7 Mile Ranch - Rural Community Fire Suppression	15-Mar-19	I	31-Dec-21
Anselmi Stock Water Development	15-Mar-19	I	31-Dec-21
Bad Spring Stock Water Development	15-Mar-19	I	31-Dec-21
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
Beard Solar & Tanks	15-Mar-19	I	31-Dec-21
Bighorn River Stabilization Project	15-Mar-19	I	31-Dec-21
Blue Rim Desert Allotment Stock Water Development	15-Mar-19	I	31-Dec-21
Bridger Well 18 Stock Water Development	15-Mar-19	I	31-Dec-21
Calvert Pipeline	15-Mar-19	I	31-Dec-21
CCC LSR Bank Stabilization 1 & 2	15-Mar-19	I	31-Dec-21
CCC LSR Bank Stabilization 3	15-Mar-19	I	31-Dec-21

Project Name	Date Approved	Account	Expiration
Clark Solar Stock Well	15-Mar-19	I	31-Dec-21
CR Irrigation Pipeline	15-Mar-19	I	31-Dec-21
Dereemer 906 Stock Pump First Enlargement	15-Mar-19	I	31-Dec-21
Drake Stock Water Project	15-Mar-19	I	31-Dec-21
Fall Creek Ranch Water Supply Improvement	15-Mar-19	I	31-Dec-21
Fox Pipeline Extension	15-Mar-19	I	31-Dec-21
Game Creek Irrigation System Improvement	15-Mar-19	I	31-Dec-21
Gillham Stock Water Project	15-Mar-19	I	31-Dec-21
Grace Valley Stock Water Project	15-Mar-19	I	31-Dec-21
Hansen Enlargement of Coy Reservoir	15-Mar-19	I	31-Dec-21
Haynes Irrigation Diversion & Pipeline	15-Mar-19	I	31-Dec-21
HBL Irrigation Pipeline	15-Mar-19	I	31-Dec-21
Hedrick Stock Water Development	15-Mar-19	I	31-Dec-21
Herring Water Development	15-Mar-19	I	31-Dec-21
JH Reach of Savery Creek	15-Mar-19	I	31-Dec-21
JS Irrigation Pipeline	15-Mar-19	I	31-Dec-21
Kimzey Stock Water Pipeline	15-Mar-19	I	31-Dec-21
Kuhn Ranch Stock Water Development	15-Mar-19	I	31-Dec-21
LF Enterprises Stock Water Pipeline Extension	15-Mar-19	I	31-Dec-21
Lower Swift Creek Stream Restoration	15-Mar-19	I	31-Dec-21
Meyer Well	15-Mar-19	I	31-Dec-21
Muddy Creek Pipeline	15-Mar-19	I	31-Dec-21
Orchard Irrigation Pipeline	15-Mar-19	I	31-Dec-21
Pasture B Water Well	15-Mar-19	I	31-Dec-21
Paul Life Trust Project	15-Mar-19	I	31-Dec-21
Persinger Stock Water Development	15-Mar-19	I	31-Dec-21
PK Pipeline	15-Mar-19	I	31-Dec-21
Ramsay Ranch 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
Savery Creek Oxbows 1 & 2	15-Mar-19	I	31-Dec-21
Shiverdecker Solar Pump & Stock Water	15-Mar-19	I	31-Dec-21
Short Allotment Water Well	15-Mar-19	I	31-Dec-21
SM Solar Tank & Pipeline	15-Mar-19	I	31-Dec-21
Smith Stock Diversion	15-Mar-19	I	31-Dec-21
South Flat Creek Fish Passage & Channel Restoration	15-Mar-19	I	31-Dec-21
Vercelli Stock Water Project 1	15-Mar-19	I	31-Dec-21
Vercelli Stock Water Project 2	15-Mar-19	I	31-Dec-21
WA Irrigation Pipeline	15-Mar-19	I	31-Dec-21

Project Name	Date Approved	Account	Expiration
Welborn 1 Trough	15-Mar-19	I	31-Dec-21
Welborn 1 Trough & Pipeline 2	15-Mar-19	I	31-Dec-21
Wild Horse Pipeline	15-Mar-19	I	31-Dec-21
Wild Rose-Sheridan Raw Water Connection	15-Mar-19	I	31-Dec-21
Wildcat 5 Spring Development	15-Mar-19	I	31-Dec-21
Wildcat Butte Well Solar	15-Mar-19	I	31-Dec-21
Wren Bridge Streambank Project	15-Mar-19	I	31-Dec-21
Converse Ditch Headgate	15-Mar-19	II	31-Dec-21
DC Irrigation Pipeline	15-Mar-19	II	31-Dec-21
EC Walker Diversion	15-Mar-19	II	31-Dec-21
Farthing Check Dam Reconstruction	15-Mar-19	II	31-Dec-21
Green River Urban Habitat Improvement Project	15-Mar-19	II	31-Dec-21
Jensen Canyon Headgate Rehabilitation	15-Mar-19	II	31-Dec-21
Johnson Ranch Check-Diversion Structure	15-Mar-19	II	31-Dec-21
Kaylou Stock Water Reservoir Rehabilitation	15-Mar-19	II	31-Dec-21
Lambert & Irwin Diversion	15-Mar-19	II	31-Dec-21
Nichols Diversion Rehabilitation	15-Mar-19	II	31-Dec-21
Reed Ditch Head Gate-Headwall-Sluice Box	15-Mar-19	II	31-Dec-21
Reed Ditch Irrigation Diversion Rehabilitation	15-Mar-19	II	31-Dec-21
Shell Canal Wastegate 8 & Check Structures	15-Mar-19	II	31-Dec-21
South Flat Top Grazing Allotment Pond Rehabilitation	15-Mar-19	II	31-Dec-21
Spread Creek Irrigation Rehabilitation & Fish Passage	15-Mar-19	II	31-Dec-21
Thorton Place Project	15-Mar-19	II	31-Dec-21
Wright Diversion	15-Mar-19	II	31-Dec-21
WSC Irrigation Water Bypass Structure	15-Mar-19	II	31-Dec-21

125. **PROJECT:** **Sponsor's Contingency Funds-Accounts I and II**
LEVEL: III
SPONSOR: Qualifying Level III Sponsors
LOCATION: Statewide
PROGRAM: New Development and Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Sponsor's Contingency	105	2006	I	$ 2,000,000	2025
Sponsor's Contingency	68	2010	I	$ 0[1]	2025
Sponsor's Contingency	14	2012	I	$ 0[1]	2025
Sponsor's Contingency	167	2015	I	$ 0[1]	2025
Sponsor's Contingency	75	2017	I	$ 0[1]	2025
Sponsor's Contingency	55	2019	I	$ 1,000,000	2025
Sponsor's Contingency	105	2006	II	$ 500,000	2025
Sponsor's Contingency	75	2008	II	$ 500,000	2025
Sponsor's Contingency	68	2010	II	$ 0[1]	2025

Sponsor's Contingency	14	2012	II	$	300,000	2025
Sponsor's Contingency	167	2015	II	$	500,000	2025†
Sponsor's Contingency	75	2017	II	$	0[1]	2025
Sponsor's Contingency	55	2019	II	$	700,000	2025

[1]Time Extension 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 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.

126. 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 state-wide 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.

127. 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 is now underway and is expected to be completed by the end of 2019 or early 2020.

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. Work on these tasks is substantially complete and the Risk Analysis draft report has been prepared and reviewed by WWDO staff.

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 the 8-foot raise is $36 million. 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 enlargement was $3.9 million for the 8-foot raise with a benefit-cost ratio of 1.2:1. Even with value engineering analysis, Reclamation doesn't think 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 will be presented with project results from Reclamation when the study is complete in late 2019 or early 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 construction costs. However, if conditions change in the future, they may be interested in pursuing the project then. When the Reclamation led study is complete and the District has submitted a letter with their formal decision, the project will be closed out.

128. **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

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:

- 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
- Treatment of Produced Water and Rare Earth Element Resources Cost-Offset, Wyoming
- 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
- Developing a Framework for Estimating Groundwater Connections to Wyoming Reservoirs

129. 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 design phase is ongoing and expected to be completed in early 2020. The project is expected to go to construction in spring 2020.

130. PROJECT: Sweetwater Water Supply

LEVEL: III
SPONSORS: Sweetwater Improvement & Service District
LOCATION: Weston County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$ 100,000	2010
Level II	1	2011	I	$ 125,000	2014
Level III	23	2015	I	$ 562,800	2020*

*67% grant

PROJECT INFORMATION:

A potential health hazard exists to the residents of the Sweetwater Improvement and Service District. Their water source is exposed to potential contamination from surface run-off and impacts from wildlife and livestock. The presence of total coliform was detected in the summer of 2008. The District needs a secure water supply to protect the health of the residents. The WWDC completed a 2014 Level II study for Sweetwater Improvement and Service District which concluded that Sweetwater should obtain water from Newcastle through the Cambria system. The new pipeline to connect the Sweetwater system to the Cambria system has been constructed and is awaiting the completion of the Cambria system upgrades. The Cambria system is nearing completion and tie-in to the Sweetwater system was expected to occur in the fall of 2019. However, the WWDO was informed that there may be issues with the Sweetwater distribution system that will delay the connection Sweetwater.

131. PROJECT: Thayne Tank 2017

LEVEL: III
SPONSOR: Town of Thayne
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	8	1995	I	$ 50,000	1996
Level II	15	1996	I	$ 250,000	1998
Level III	38	1998	I	$ 850,000	2002
Level I	32	2010	I	$ 85,000	2013
Level III	75	2017	I	$ 589,600	2022*

*67% grant

PROJECT INFORMATION:

In 2016, the Town of Thayne applied for Level III funding to construct a new 300,000-gallon water storage tank and to rehabilitate their existing water storage tank as part of the project. The rehabilitation work on the existing water storage tank is not considered WWDC eligible. The Town's existing water storage tank is in poor condition and the Town is short on storage capacity based on DEQ water storage requirements.

In 2017 the Legislature approved the project to be incorporated into the New Development program at Level III status with an appropriation of $589,600. 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 design was completed in 2018. The project was bid in the March of 2019 and construction began in May 2019. The completion of the project is anticipated in the fall of 2019.

132. **PROJECT:** **Thermopolis Pipeline Replacement 2017**
LEVEL: III
SPONSOR: Town of Thermopolis
LOCATION: Hot Springs County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 135,000	2015
Level III	75	2017	II	$ 1,545,200	2022*

*67% grant

PROJECT INFORMATION:
In 2014, the Town received WWDC funding to conduct a master plan study. The master plan was completed in 2015. The Town has an aging water treatment plant and distribution infrastructure that was evaluated for upgrade/replacement. The Town's primary limiting factor for water delivery is the age of the transmission/distribution system. Flow rates must be reduced to avoid over-pressurization of the transmission/distribution system resulting in breaks and leaks. An additional limiting factor is the capacity of the water treatment plant, particularly the filter beds.

The project was identified during the 2014 WWDC funded master plan study. The project consists of replacing several transmission main sections of asbestos cement pipe with PVC. This section of transmission line runs from the water treatment plant to the Sponsor's storage tanks, and through downtown Thermopolis. The project includes a small portion of distribution line that would be funded by the Sponsor.

In 2017, the Sponsor received grant funds from the Rehabilitation program in the amount of $1,545,200. This amount is for a 67% grant of the project eligible costs. The remaining project funds will be provided by the Sponsor. During 2017, the Sponsor secured the services of an engineer, completed the design process and secured the necessary permits and easements. The Project was bid and awarded in early 2018. The project is currently under construction and is anticipated to be completed in 2019.

133. **PROJECT:** **Torrington Water Master Plan**
LEVEL: I
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

PROJECT INFORMATION:
In 2018, the City of Torrington applied to the WWDC for funding to conduct a Level I master plan study which would evaluate the current condition of their water system and provide the tools and guidance necessary to assist in the planning, rehabilitation, upgrading, and managing of their system. The plan would also serve as a framework to establish project priorities and to perform financial planning necessary to meet those priorities. Reconnaissance-level information regarding costs and scheduling would also be provided.

The City has a population of 7,248 and they are served through 2,792 taps within the corporate limits and 172 taps outside of the corporate limits. The water is supplied from a wellfield constructed into the North Platte River alluvium with a total average yield of 4,800 gpm. The alluvial groundwater is treated at the Central Water Plant by reverse osmosis/blending/chlorination and is stored in above-ground tanks with a total capacity of 3.03 million gallons. The study commenced in March, 2019 and is currently progressing. It is scheduled to be completed by the Summer of 2020.

134. PROJECT: Weather Modification Big Horn, Laramie, Medicine Bow and Sierra Madre Mountains - 2016

LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Medicine Bow and Sierra Madre Mountain Ranges
Albany and Carbon Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	I	$ 1,447,500	2020

PROJECT INFORMATION:
Airborne cloud seeding operations targeting the Medicine Bow and Sierra Madre Mountain Ranges, for the winter of 2018-2019, began on November 15, 2018 and concluded on March 31, 2019. The funds necessary to run the project came from an appropriation by the 2015 Wyoming State Legislature through the passage of the "2015 Omnibus Water Bill – Construction". This appropriation funded three feasibility and design studies and one year of airborne operations.

Part of this aerial cloud seeding effort included 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, 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 were terms that identified a priority of work, with Wyoming target areas as the first cloud seeding priority before any cloud seeding efforts were 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 2018-2019 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 was implied by this participation, nor was there any expectation of a specific amount of water being delivered downstream, and any additional precipitation and subsequent stream flow that was produced through the program was treated as a natural event, and subject to Wyoming Water Law.

Throughout the 2018-2019 cloud seeding season, the operations contractor prepared operational forecasts, completed all decision-making processes regarding cloud seeding opportunities, operated and maintained the aircraft, and prepared monthly summaries and a final report. A total of 15 seeding missions (November – 5, December – 3, January – 2, February – 2, March – 3) were flown targeting the Medicine Bows and Sierra Madres in Wyoming and an additional 3 seeding missions (February) were flown targeting the Never Summer Mountains in Colorado as part of the program.

135. PROJECT: Weather Modification Medicine Bow Mountains 2019-2020

LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Medicine Bow, Sierra Madre and Laramie Mountain Ranges (Wyoming), Never Summer Mountain Range (Colorado)
Albany, Carbon, Converse, Laramie, Natrona and Platte 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

PROJECT INFORMATION:

Airborne cloud seeding operations targeting the Medicine Bow, Sierra Madre and Laramie Mountain Ranges, for the winter of 2019-2020, is scheduled to begin on November 15, 2019 and conclude on April 15, 2020. Wyoming's 93% share of the funds necessary to run the program were appropriated by the 2019 Wyoming State Legislature through the passage of the "2019 Omnibus Water Bill – Construction". This current cloud seeding effort includes 7% 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 second 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, Sierra Madre and Laramie Mountain Ranges for the winter of 2019-2020 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 2019-2020 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 may increase runoff during Water Year 2020 in the North Platte and Colorado River Basins.

136. PROJECT: Weather Modification Wind River Mountains 2019

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	$ 240,00	2015
Level III	23	2015	I	$ 170,00	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

PROJECT INFORMATION:

Cloud seeding operations targeting the Wind River Mountain Range in west-central Wyoming, for the winter of 2018-2019, began on December 1, 2018 and concluded on March 31, 2019. Wyoming's 20% share of the funds necessary to run the program were appropriated by the 2018 Wyoming State Legislature through the passage of the "2018 Omnibus Water Bill – Construction". The effort targeting the Wind River Mountain Range included 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. Local funding partners included: Genesis Alkalai, Ciner Wyoming, TATA Chemicals, Solvay Chemicals and Rocky Mountain Power Company.

Throughout the 2018-2019 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 (same generators as the 2017-2018 season). Nine generators were sited on the west, southwest, and southern flanks of the range. The tenth generator was sited on the southeastern flank, southwest of Lander.

During the season, operations were conducted twenty-four hours a day, seven days a week. As would be expected based on the ground generator locations, the majority of seeding was conducted when winds were oriented from the west or southwest. Only one seeding event occurred late in the season when winds were easterly, supporting the activation of the single ground generator near Lander (Enterprise). There was a total of 12 seeding events during the season (December – 2, January – 3, February – 6, March – 1). This equated to 951 generator hours with a total seeding duration of 165 hours, 55 minutes.

137. PROJECT: Weather Modification Wind River Mountains 2019-2020

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

PROJECT INFORMATION:

Cloud seeding operations targeting the Wind River Mountain Range in west-central Wyoming, for the winter of 2019-2020, is scheduled to begin on November 15, 2019 and conclude on April 15, 2020. Wyoming's 37% share of the funds necessary to run the program were appropriated by the 2019 Wyoming State Legislature through the passage of the "2019 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: Genesis Alkalai and Solvay Chemicals. Additional funding is anticipated from these following local partners: Ciner Wyoming, TATA Chemicals, Rocky Mountain Power Company, and the Green River/Rock Springs/Sweetwater County Joint Powers Water Board.

The Colorado River Basin Water Supply and Demand Study (2012) defined current and future imbalances in water supply and demand in the Colorado River Basin and the adjacent areas of the Basin States that receive Colorado River water for approximately the next 50 years, and developed and analyzed adaptation and mitigation strategies to resolve those imbalances (USBR). The watershed management concept in the study featured cloud seeding as a strategy to increase snowfall in mountainous regions and noted that earlier studies have concluded that the potential exists to generate a maximum of 1,700,000 acre-feet per year additional runoff in the Basin.

Cloud seeding operations in the Wind River Mountain Range for the winter of 2019-2020 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 2019-2020 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 may increase runoff during Water Year 2020 in the Green, Wind/Big Horn and Platte River Basins.

138. 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	2021

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 embarking upon a Level II program.

In 2008, the District sponsored the Little Snake River Supplemental Storage 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 Battle Creek, 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 Battle Creek 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 Battle Creek 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 Battle Creek 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 of 1.2. Furthermore, the public benefit for the life of the project would justify a 90%+ grant, making West Fork Reservoir affordable for the District. A land exchange with the U.S. Forest Service is the logical next step and will likely require Federal legislation. Alternatively, the project could be pursued through a Special Use Permit with the Forest Service. In 2018, a request was made to the Legislature to appropriate $40M of the $73M required for project construction. The appropriation was to provide credibility to the federal legislation and offer the most expeditious path forward once the transaction is complete. A portion of the request ($4.698M) was appropriated to identify, investigate, and acquire suitable lands for the purpose of an exchange of lands with the federal government. Special conditions attached to the appropriation stated; 1) Funds shall not be expended until the project sponsor and the Wyoming Water Development Commission have secured additional funding commitments from project beneficiaries in both Wyoming and Colorado on a pro rata basis. 2) Funds from this appropriation shall not be expended until the expenditure is approved by the legislature. Discussions with State of Colorado officials have been 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. However, a mechanism for cost sharing has not been identified, generated or executed at this time. 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.

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.

139. 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 III	45	1997	II	$ 315,000	2000
Level III	16	1999	II	$ 141,500	2000
Level I	15	1996	I	$ 200,000	1998
Level III	38	1998	II	$ 475,000	2002
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	75	2005	II	$ 100,000	2006
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

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. The District has hired an engineer and is currently designing the project. In 2019 the District applied to the WWDC for the Level III construction funding which will be considered by the WWDC at the November Commission meeting.

140. PROJECT: Wheatland Pipelines

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	55	2016	I	$ 522,600	2020*

*67% grant

PROJECT INFORMATION:
The project consists of enlarging and installing water transmission pipelines on the east side of Wheatland. This project includes upsizing 1,480 feet of 4-inch water pipeline to a 16-inch transmission line and installing an additional 1,380 feet of new 16-inch transmission pipeline as well as upsizing 840 feet of 4-inch water pipeline to 10-inch transmission pipeline and installing an additional 3,485 feet of new 10-inch water transmission pipeline and apparatuses to make the project functional. The construction is complete and the engineer is in the process of completing post-construction documents. The project should be closed-out in early 2020.

141. 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 is planned for the winter of 2020.

142. 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 funding will be used to fund projects as listed in the application until the funding is expended. The first structures are currently being bid with construction anticipated commencing later this year.

143. **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*

*67% 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 completing the design of the final two structures of the project and with construction scheduled over the winter of 2019-2020.

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. Belle Fourche River Watershed Study
18. Bench Canal Company Master Plan
19. Beulah Water Supply
20. Big Horn Canal Rehabilitation
21. Big Horn Regional Groundwater
22. Big Horn Regional Southern Water Supply
23. Big Sandy Enlargement
24. Big Valley & Crossed Arrows Improvement District Water Supply
25. Big Wind River Storage Study
26. Bitter Creek/East Flaming Gorge Watershed Study
27. Black Willow Water Supply
28. Blacks Fork Watershed Study
29. Boulder Flats Water Supply
30. Boulter Lake Enlargement
31. Bridger Valley Level II Reservoir Project
32. Bridger Valley Water Supply
33. Broken Wheel Ranch Master Plan
34. Buckskin Extension Master Plan/Gillette Regional
35. Buffalo Creek Watershed Study
36. Buffalo Groundwater Supply
37. Buffalo Master Plan
38. Buffalo Northwest Water Supply
39. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
40. Burns Water Supply
41. Byron Master Plan
42. Cambria/Sweetwater Water Supply
43. Canyon/Newcastle Area Water Supply
44. Casper Alcova Rehabilitation, GIS
45. Centennial Well and Master Plan
46. CBM Aquifer Storage and Retrieval

47. Cheyenne Belvoir Ranch Groundwater
48. Cheyenne Hydro Power
49. Cheyenne/Laramie County Water Service Area
50. Clear Creek Watershed Study
51. Clearmont CBM Impact
52. Clearmont Test Well Study
53. Cody Canal Irrigation District Hydropower
54. Cody Canal Laterals
55. Cody Canal Rehabilitation, GIS
56. Cody Master Plan
57. Cokeville Reservoir
58. Cokeville Tri-Diversion Rehabilitation
59. Corner Mountain Test Well
60. Cottonwood/Grass Creek Storage
61. Cottonwood/Grass Creek Watershed Management Plan
62. Cottonwood Irrigation District Master Plan
63. Cottonwood Lake Enlargement
64. Cowley Master Plan
65. Crook County Reservoirs and Water Management
66. Crow Creek Groundwater Recharge
67. Crowheart Area/Dinwoody Canal System
68. Dayton Raw Water Irrigation
69. Deaver Irrigation District Master Plan Update
70. Deaver (Town of) Master Plan
71. Deer Creek Dam and Reservoir
72. Dixon Water Supply
73. Douglas Ground Water
74. Douglas Master Plan
75. Dry Creek Irrigation District Master Plan
76. Dubois Regional Water Supply
77. Eden Valley (Farson) Master Plan Level I
78. Eden Valley (Farson) Master Plan Level II
79. Eden Valley Irrigation District Master Plan
80. Eight Mile-High Plains Well
81. Encampment/Sierra Madre Water Supply
82. Enterprise Conservation Program
83. Evansville Master Plan
84. Fontenelle Pipeline
85. Fort Laramie Water Supply
86. Fox Ridge Extension Master Plan/Gillette Regional
87. Frannie Raw Water
88. Frannie Well Rehabilitation
89. Gillette Regional Connections
90. Gillette Regional Master Plan
91. Glenrock Master Plan
92. Goose Creek Watershed Study
93. Goshen Irrigation District Master Plan 2006
94. Goshen Re-regulating Reservoir
95. Grace Land Extension Master Plan/Gillette Regional
96. Granger Water Supply
97. Green River Basin Plan-Groundwater
98. Green River Basin Plan-Update
99. Green River Decision Support System Feasibility Study

100. Green River Groundwater Recharge and Alternate Storage
101. Green River-Rock Springs-Sweetwater County Master Plan
102. Green River/Rock Springs/Sweetwater County JPWB Pipeline Feasibility Study
103. GR-RS-SC JPB Water Supplies
104. Green River/Rock Springs/Sweetwater County JPWB Wind River Zone Study
105. Green River West Water Supply
106. Greybull Raw Water
107. Greybull River Watershed Study
108. Greybull Tank and Master Plan
109. Greybull Valley Hydropower
110. Greybull Valley Rehabilitation, GIS
111. Greybull Valley Sunshine Diversion
112. Greybull Wells Rehabilitation
113. Guernsey Master Plan
114. Hanna Water System Level I
115. Hanna Water System Level II
116. Hanover Irrigation District Master Plan
117. Hawk Springs Master Plan
118. Hawk Springs Water Supply
119. Heart Mountain Canal Rehabilitation
120. Heart Mountain Irrigation District Master Plan
121. Heart Mountain ID Return Flow Study
122. Heart Mountain Rehabilitation
123. High Meadow Ranch, Level II
124. High Meadow Ranch Master Plan
125. Hoback Junction Rural Regional Master Plan
126. Hoback Junction Water Supply
127. Hog Island Water Master Plan
128. Hopkins Producers Irrigation District Reservoir Study
129. Hot Springs State Park, Big Springs Study
130. Hyattville Water Supply
131. Indian Paintbrush Water Supply
132. Interstate Canal and Beaver Meadows Reservoir Rehabilitation
133. Irrigation Hydro Power
134. James Town/Rio Vista Water Supply
135. Jeffrey City Water Supply
136. Jons Drop Hydropower
137. Kaycee Well & Storage
138. Kemmerer-Diamondville Master Plan
139. Kemmerer/Diamondville Water Supply
140. Kennington Springs
141. Keystone and Farmers Canal Master Plan
142. Kirby Area Water Supply Study
143. Kirby Creek Watershed Study
144. Kirby Ditch Rehabilitation
145. Kirby Irrigation District Conservation Program
146. Kirby Municipal Master Plan
147. LaBarge Water Supply
148. Lake DeSmet Facilities Acquisition
149. Lakeview Irrigation Master Plan
150. Lance Creek Water Supply
151. Lance Creek Well
152. Lander Master Plan

153. Lander Paleozoic Well
154. LaPrele Irrigation District Master Plan
155. Laramie County Aquifer Study
156. Laramie Water Management Study
157. Laramie Master Plan
158. LeClair Irrigation District Master Plan
159. LeClair/Riverton Valley Irrigation Storage
160. Little Snake Canals
161. Little Snake River Watershed Study
162. Little Snake Supplemental Storage
163. Little Wind River Storage Study
164. Lodgepole Creek ASR
165. Lovell ID Hydro Power
166. Lovell ID Master Plan
167. Lovell Master Plan
168. Lower Clear Creek Irrigation District – Leiter Ditch Rehabilitation Study
169. Lower Nowood Rural Water Supply
170. Lucerne Water Supply
171. Lusk Master Plan
172. Lusk Water Supply Study
173. Lysite Water Supply
174. Manderson Water Master Plan
175. Manville Water Supply
176. Manville Well
177. Means First Extension Master Plan/Gillette Regional Connection
178. Medicine Bow River Watershed Study
179. Meeteetse Master Plan
180. Melody Ranch Water Supply Study
181. Middle Fork Dam
182. Middle Fork Powder Watershed Management Plan
183. Middle North Platte – Glendo Watershed Study
184. Middle North Platte Watershed
185. Middle Piney Dam Reservoir
186. Midvale Conservation Program
187. Midvale Irrigation District Hydropower Study
188. Moorcroft Master Plan
189. Newcastle Madison Well
190. New Fork River Watershed Study
191. Niobrara/Lower North Platte Rivers Watershed Study
192. North Canal-Grover
193. North Cheyenne Master Plan
194. North Fork Shoshone Water Supply
195. North Platte Water Yield Analysis
196. Northeast Wyoming Interactive Database
197. Northern Arapaho Ground Water
198. Northwest Rural Water Master Plan
199. Nowood River Watershed Study
200. Opal Master Plan
201. Opal Regional Water Supply
202. Owl Creek Irrigation District Conservation Study
203. Owl Creek Irrigation Master Plan
204. Owl Creek Water Supply
205. Owl Creek Watershed Study

206. Pavillion Area Water Supply
207. Pavillion Water Supply
208. Pine Bluffs Master Plan
209. Pine Haven Master Plan
210. Pine Haven Tank and Well Study
211. Pinedale Hydro Power
212. Pinedale Hydro Power Study
213. Pinedale Master Plan
214. Piney Cruse Diversion
215. Pioneer Rehabilitation
216. Platte-Goshen Regional Master Plan
217. Platte River Basin Plan-Groundwater
218. Platte River Basin Plan Update
219. Poison Spider Pipelines
220. Popo Agie Watershed Management Plan
221. Powder River Water Supply
222. Powell Airport Water Supply
223. Probable Maximum Precipitation Study
224. Rawlins Master Plan
225. Rawlins Operations Study
226. Ray Lake Enlargement
227. Red Lane Master Plan
228. Rock Springs East Water Supply
229. Rock River Water Master Plan
230. Rolling Hills Groundwater Supply
231. Rolling Hills Master Plan
232. Saratoga Groundwater
233. SEO/Lusk Area Ground Water
234. Shell Canal Tunnel
235. Sheridan Supplemental Storage
236. Shell Valley Watershed Management Plan
237. Shell Valley Storage
238. Shell Water Master Plan
239. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
240. Shoshone ID Rehabilitation, GIS
241. Smith's Fork Dam
242. Snake/Salt River Basin-Groundwater Analysis
243. South Big Horn County Rural Water District Expansion
244. South Circle Master Plan
245. South Garden Creek Water Supply
246. South Platte River Watershed Study
247. South Worland Water Master Plan
248. Squaw Creek Water Supply
249. Star Valley Ranch Water Supply
250. Star Valley Regional Master Plan
251. State Stream Gage System
252. Sublette Creek Reservoir
253. Sundance Master Plan, Level I
254. Sundance Water System Feasibility Study
255. Sweetwater River Watershed
256. Sweetwater Water Supply
257. Tensleep/Hyattville Master Plan
258. Tensleep Water Supply

259. Thermopolis Master Plan
260. Thermopolis Storage and Raw Water
261. Three Horses Watershed Study
262. Thunder Basin Watershed Studies I and II
263. University of Wyoming Irrigation Water Supply
264. Upper Green River Watershed Study
265. Upper Green River Westside Storage
266. Upper Laramie River Watershed Study
267. Upper North Platte Watershed Study
268. Upper Snake River Watershed Study
269. Upper Wind River Storage
270. Viva Naughton Enlargement
271. Wagner Cherokee Irrigation Rehabilitation
272. Wamsutter Well 2010
273. Washakie County Safety
274. Weather Modification Pilot Program
275. Weather Modification – Salt River and Wyoming Ranges
276. Weather Modification – Wyoming Range
277. Westside Irrigation NEPA
278. Wheatland ID Master Plan
279. Wheatland ID System Phase II
280. Wheatland Irrigation District Tunnel Dam Rehabilitation
281. Wheatland Master Plan
282. Willwood Irrigation District Master Plan
283. Willwood ID Rehabilitation, GIS
284. Wind River/Big Horn River Basin Plan Update
285. Wind River Glaciers
286. Worland Area Irrigated Lands GIS
287. Worland Eastside Transmission Line
288. Worland Wells Test
289. Wright Master Plan
290. Yoder Groundwater Project
291. 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

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

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 Camp Creek Engineering; Laramie, WY
	CONTRACTOR:	Three Sons; Hanna WY Bartlett Oilfield Services; Bairoil, WY 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+ $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 Larry's, Inc.; Gillette, WY Brandon Construction, Inc.; Powell, WY Lamax Construction, Inc.; Basin, WY 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
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 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

35. 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

36. 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

37. 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

38. 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 Storage tank – Caldwell Tanks, Inc.; Louisville, KY Controls – PFIX Controls; Alabaster, AL Meter Building – Moose Valley Construction; Big Piney, WY
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2003, 2005

39. 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

40. 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

41. 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 Transmission line – SCI, Inc.; Lyman, WY
	YEAR COMPLETED:	Intake/diversion structure – 2003 Transmission line – 2003 Storage tank - 2004
	SESSION YEAR LAW:	2001 and 2002
42.	**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
43.	**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
44.	**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
45.	**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
Larry's Inc.; Gillette, WY
ASI Moltz; Cody, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1992, 1996

46. 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

47. 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

48. 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

49. 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

50. **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

51. **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

52. **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

53. **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

54. **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

55. **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

56. **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

57. **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

58. 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

59. 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

60. 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

61. 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

62. 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

63. 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

64. 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

65. 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

66. **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

67. **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

68. **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

69. **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

70. **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

71. **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

72. **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

73. **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

74. **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

75. 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

76. 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

77. 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

78. **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

79. **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

80. **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

81. **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

82. 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

83. 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

84. 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

85. 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

86. 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

87. 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

88. 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

89. 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

90. 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

91. 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

92. 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

93. 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

94. 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

95. **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

96. **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

97. **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

98. **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

99. 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

100. 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

101. 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

102. 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, Wyoming
CONTRACTOR: Patrick Construction, Lander, Wyoming
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2011

103. 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, Wyoming
CONTRACTOR: Cody Canal Irrigation District
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2011

104. 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

105. 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, Wyoming
CONTRACTOR: Harris Trucking & Construction; Cody, Wyoming
YEAR COMPLETED: 2014
SESSION LAW YEAR: 2013

106. 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

107. 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

108. 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

109. 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

110. 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

111. 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

112. 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
Grosch Drilling; Yuma, CO
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2010

113. 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

114. 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

115. 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

116. 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

117. 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

118. 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

119. 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

120. 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

121. 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

122. 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

123. 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 Engineering Associates, Cody, WY
CONTRACTOR:	J&E Irrigation, Inc.; Basin, WY Big Horn Truck & Equipment, Inc.; Manderson, WY WDI Systems; Powell, WY Triple L Sales, Inc.; Cody, WY Ferguson Enterprises, Inc.; Casper, WY
YEAR COMPLETED:	2018
SESSION LAW YEAR:	2009

124. 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

125. 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

126. 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

127. 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

128. 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

129. 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

130. 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

131. 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

132. 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

133. 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

134. 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

135. 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

136. PROJECT: **Eden Valley Rehabilitation 2009**

SPONSOR:	Eden Valley Irrigation and Drainage District
LOCATION:	Sweetwater
PROGRAM:	Rehabilitation
APPROPRIATION:	$7,907,000
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

137. 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

138. 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

139. 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

140. 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

141. 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

142. 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

143. 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

144. 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

145. 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

146. 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

147. 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

148. 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.

149. 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

150. 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

151. 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

152. 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

153. PROJECT: **Fayette Irrigation District**

SPONSOR:	Fayette Irrigation District
LOCATION:	Sublette County
PROGRAM:	Rehabilitation
APPROPRIATION:	$ 75,000 (2002) $160,000 (2006) $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

154. 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

155. 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

156. 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

157. 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

158. 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

159. 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

160. 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

161. 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

162. 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
163.	**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
164.	**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
165.	**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
166.	**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
DOWL HKM, Sheridan, WY
CONTRACTOR: Western Municipal Construction, Meeteetse, WY
Garney of Wyoming, Guernsey, WY
WBI Energy Corrosion Services, Billings, MT
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2005, 2006, 2009, 2014, 2015

167. 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
Hot Iron; Gillette, WY
Tower Construction; Gillette, WY
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1995, 1996

168. 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

169. 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

170. 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 Consolidated Engineering & Material Testing; Gillette, WY
CONTRACTOR:	Automation & Electronics; Casper, WY
YEAR COMPLETED:	2000
SESSION LAW YEAR;	1997

171. 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 PCA; Gillette, WY.
CONTRACTOR:	Larry's Inc.; Gillette, WY DRM; Gillette, WY
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1998

172. PROJECT: **Glendo Well**

SPONSOR:	Town of Glendo
LOCATION:	Platte County
PROGRAM:	New Development
APPROPRIATION:	$780,000
ACTUAL EXPENDITURES:	$292,404
DESCRIPTION:	Installation 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

173. 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

174. 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

175. 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

176. 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

177. 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

178. 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

179. 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

180. 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

181. 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

182. 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

183. 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

184. 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

185. 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

186. 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

187. 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

188. 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

189. 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

190. 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
Weststates Construction; Salt Lake City, UT
COMPLETION DATE: 2000
SESSION LAW: 1995

191. 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

192. 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

193. 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

194. 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

195. 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, Wyoming
Automation Electronics; Casper, WY
YEAR COMPLETED; 2000
SESSION LAW YEAR: 1996

196. 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

197 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

198. 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

199. 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

200. 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

201. 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

202. 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

203. 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

204. 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

205. 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

206. 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

207. 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

208. 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

209. 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

210. 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

211. PROJECT: Heart Mountain Rehabilitation 2010
SPONSOR: Heart Mountain Irrigation District
LOCATION:
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

212. 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

213. 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
Big Horn Red-Mix; Worland, WY
Tesco Electric; Worland, WY
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1989

214. 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

215. 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

216. 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

217. 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

218. 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 Grizzly Engineering; Buffalo, WY
CONTRACTOR:	Mulinax Concrete Service Co., Inc.; Sheridan, WY Johansen Construction; Mt. Pleasant, UT
YEAR COMPLETED:	2010
SESSION LAW YEAR:	2006

219. 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

220. 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

221. 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

222. 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

223. 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

224. 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

225. 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

226. 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

227. 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

228. 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

229. 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

230. 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

231. 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

232. 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

233. 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

234. 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

235. 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

236. 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

237. 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

238. 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

239. 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

240. 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

241. 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

242. 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, Wyoming
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.

243. 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

244. 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

245. 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

246. 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

247. 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

248. 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

249. 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

250. 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, Wyoming
CONTRACTOR	Wilson Brothers Construction; Lovell, Wyoming
YEAR COMPLETED:	2016
SESSION LAW YEAR:	2014

251. 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

252. 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

253. 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.

254. 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

255. 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

256. 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

257. 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

258. 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

259. 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

260. 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

261. 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

262. 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 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

263. 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

264. 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

265. 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

266. 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

267. 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

268. 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

269. 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).

270. 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

271. 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

272. 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

273. 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

274. 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

275. 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

276. 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

277. 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, Wyoming
CONTRACTOR: HB Lee Construction; Baggs, Wyoming
YEAR COMPLETED: 2016
SESSION LAW YEAR: 2011

278. 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

279. 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

280. 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

281. 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 C. A. Wilson Construction Company; Cowley, WY Jerry's Irrigation and Drainage, Inc.; Powell, WY Dale Weaver, Inc.; Worland, WY
YEAR COMPLETED:	1990
SESSION LAW DATE:	1985

282. 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 Pryor Mountain Engineering; Cowley, WY
CONTRACTOR:	Lovell Irrigation District
MATERIALS:	J&E Irrigation, Inc.; Basin, WY Waterworks Irrigation, Inc.; Ralston, WY
YEAR COMPLETED:	2012
SESSION LAW YEAR:	2009

283. 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, Wyoming
CONTRACTOR:	James Hinckley, Inc., Cowley, Wyoming
MATERIALS:	Waterworks Irrigation, Inc., Ralston, Wyoming
YEAR COMPLETED:	2013
SESSION LAW YEAR:	2012, 2013

284. 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

285. 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

286. 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

287. 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

288. 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

289. 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 S.C.I. Inc.; Lyman, WY
YEAR COMPLETED:	1999
SESSION LAW YEAR:	1996

290. 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
291.	**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
292.	**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
293.	**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, Wyoming
	CONTRACTOR:	None
	YEAR COMPLETED:	N.A.
	SESSION LAW YEAR:	1999
294.	**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

295. 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

296. 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

297. 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

298. 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

299. 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

300. 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

301. 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

302. 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

303. 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

304. 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

305. 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

306. 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

307. 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

308. 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
R. D. Connell & Associates; Riverton, WY
CONTRACTOR: Midvale Irrigation District
DATE COMPLETED: 1999
SESSION LAW DATE: 1995

309. 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

310. 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

311. 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, Wyoming
CONTRACTOR: Western Municipal Construction; Sheridan, Wyoming
Excel Construction; Sheridan, Wyoming
Engineering America, Inc.; Loveland, Colorado
Electrofab, Inc.; Gillette, Wyoming
DATE COMPLETED: 2013
SESSION LAW DATE: 2003, 2008, 2011

312. 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

313. 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

314. 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
315.	**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
316.	**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 Hedquist Construction, Inc.; Casper, WY JTL Group, Inc.; Casper, WY High Plains Construction, Inc.; Casper, WY
	COMPLETION DATE:	2000
	SESSION LAW:	1995
317.	**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

318. 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 City of Newcastle; Newcastle, WY
CONTRACTOR:	Sundance Plumbing and Heating; Newcastle, WY DRM, Inc.; Gillette, WY
DATE COMPLETED:	2006
SESSION LAW DATE:	2000, 2004

319. 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

320. 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 Rendezvous Engineering; Jackson, WY
CONTRACTOR:	VanDeburg Excavation; Thayne, WY Thomas Drilling; Afton, WY
COMPLETION DATE:	October 2005
SESSION LAW:	2003

321. 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, Y
CONTRACTOR: S&S Builders; Gillette, Wyoming
Mollinax Concrete Service Company; Sheridan, WY
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1992

322. 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
High County Construction; Casper, WY
Rieman Construction; Cheyenne, WY
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1989

323. 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
Kilroy and Company; Alpine, WY
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2003

324. 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

325. 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

326. 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

327. 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

328. 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

329. 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

330. 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, Wyoming
CONTRACTOR: DRM, Inc.; Gillette, WY
YEAR COMPLETED: 2000
SESSION LAW DATE: 1997

331. 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

332. 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

333. 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

334. 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

335. 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

336. 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

337. 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

338. 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

339. 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

340. 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

341. 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

342. 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

343. 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, Y
SESSION LAW DATE: 2003

344. 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

345. 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

346. 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

347. 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

348. 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

349. 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

350. 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

351. 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

352. 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

353. 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

354. 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

355. 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

356. 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

357. 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

358. 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

359. 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

360. 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

361. 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

362. 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

363. 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

364. 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

365. 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

366. 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

367. 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

368. 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

369. 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

370. 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

371. 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

372. 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

373. 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

374. 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

375. 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

376. 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

377. 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

378. 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

379. 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

380. 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

381. 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

382. 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

383. 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

384. 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
CONTR2ACTOR:	Hawley, Inc.; Torrington, WY
DATE COMPLETED:	2003
SESSION LAW YEAR:	2000

385. 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

386. 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

387. 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

388. 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

389. 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

390. 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

391. 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

392. 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
$ 6,750,000 (permanent mineral trust fund loan)
ACTUAL EXPENDITURES: $37,206,000
$ 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

393. 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

394. 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

395. 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

396. 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

397. 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

398. 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

399. 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

400. 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

401. **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

402. **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

403. **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

404. **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

405. 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
ASI Moltz; Cody, WY
YEAR COMPLETED: 1992
SESSION LAW YEAR: 1987, 1990

406. 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

407. 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
ASI Moltz; Cody, WY
YEAR COMPLETED: 1992
SESSION LAW YEAR: 1987, 1990

408. 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 Engineering Associates; Cody, WY Inberg-Miller Engineers; Powell, WY ESA; Bozeman, MT Engineering Science, Inc.; Salt Lake City, UT Water Resources Engineers; Powell, WY
	CONTRACTOR:	LaMax Construction; Basin, WY Miller Fabrication; Lovell, WY Elkhorn Construction; Powell, WY Moltz Construction; Cody, WY Excel Construction; Sheridan, WY
	MATERIALS:	Elk River Concrete; Helena, MT A-C Supply; Basin, WY Boomers Irrigation; Powell, WY J&E, Inc.; Greybull, WY TNT Irrigation, Inc.; Powell, WY
	DATE COMPLETED:	2001
	SESSION LAW DATE:	1992
409.	**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 Northwest Pipe Fittings; Billings, MT
	YEAR COMPLETED:	2011
	SESSION LAW YEAR:	2009
410.	**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, Wyoming
	YEAR COMPLETED:	2013
	SESSION LAW YEAR:	2011
411.	**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

412. 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

413. 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

414. 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

415. 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

416. 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

417. 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

418. 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

419. 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

420. 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

421. 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

422. 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

423. 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

424. 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
Hladky Construction; Gillette, WY
DATE COMPLETED: 1996
SESSION LAW DATE: 1994

425. 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

Small Water Project	Account	Year Approved
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
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

Small Water Project	Account	Year Approved
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
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

Small Water Project	Account	Year Approved
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
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

Small Water Project	Account	Year Approved
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
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

Small Water Project	Account	Year Approved
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
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

Small Water Project	Account	Year Approved
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
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

Small Water Project	Account	Year Approved
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
Red Wash Wetland #7 2018	New Development	2018
TA Land and Cattle Livestock Pipeline	New Development	2018
Smith Ditch	Rehabilitation	2018

426. **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

427. **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

428. **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

429. 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

430. 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

431. 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

432. 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

433. 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

434. 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

435. 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

436. 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

437. 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

438. 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

439. 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

440. 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

441. 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

442. 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

443. 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

444. 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

445. 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

446. 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
Timberline Services, Inc.; Sundance, WY
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2007, 2009

447. 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

448. 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

449. 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
450.	**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
451.	**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 H-K Construction; Idaho Falls, ID
	DATE COMPLETED:	1996
	SESSION LAW DATE:	1992
452.	**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
453.	**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, Y
SESSION LAW YEAR: 1998

454. 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

455. 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

456. 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

457. 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

458. 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

459. 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
ENGINEER: Nelson Engineering; Jackson, WY
CONTRACTOR: Big Horn Red-Mix; Greybull, WY
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1980

460. 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
Pope Construction; Casper, WY
YEAR COMPLETED; 1994
SESSION LAW YEAR: 1991

461. 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

462. 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, Wyoming
DATE COMPLETED: 2002
SESSION LAW DATE: 2002

463. 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
High Plains Engineering; Newcastle, WY
CONTRACTOR: Cyclone Drilling; Gillette, WY
Sundance P&H; Sundance, WY
DATE COMPLETED: 1996
SESSION LAW DATE: 1991, 1992

464. 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, Wyoming
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.

465. PROJECT: Vista West Water Supply
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
Water System Management; Gillette, WY
DATE COMPLETED: 1998
SESSION LAW DATE: 1994

466. 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

467. 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

468. 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

469. 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

470. 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

471. 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
Engineering Associates; Cody, WY
CONTRACTOR: Brandon Construction; Powell, Wyoming
Phase I and II
LAMAX Construction; Basin, WY
Phases II, IV and V
YEAR COMPLETED: 2008
SESSION LAW YEAR: 1999, 2001, 2003, 2004, and 2006

472. 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

473. 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)
*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

474. 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

475. 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

476. 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

477. 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

478. 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

479. 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

480. 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
Sutron Corporation; Sterling, VA
DATE COMPLETED: 2002
SESSION LAW DATE: 1997

481. 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

482. 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

483. 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

484. 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

485. PROJECT: Wheatland Reservoir No. 1
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

486. PROJECT: Wheatland Sand Lake Dam/Canon Canal Rehab.
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

487. PROJECT: Wheatland Water Supply
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

488. PROJECT: Wild Rose Water Supply
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

489. 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

490. 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

491. 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

492. 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

493. PROJECT: Willwood Rehabilitation 2009
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

494. 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

495. PROJECT: Wind River Irrigation
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

496. PROJECT: Worland Eastside Transmission Line
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

497. 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

498. PROJECT: **Wright Water Supply**

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

499. 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

500. 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

501. 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
ENGINEER:	Banner Associates; Laramie, WY
CONTRACTOR:	Interstate Irrigation; Yuma, CO
DATE COMPLETED:	1996
SESSION LAW DATE:	1990, 1991

502. 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

503. 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