

# **2017 YEAR END LEGISLATIVE REPORT**



**Middle Piney Reservoir**

## **WYOMING WATER DEVELOPMENT COMMISSION**

**2017 YEAR END LEGISLATIVE REPORT  
WYOMING WATER DEVELOPMENT PROGRAM**

**Wyoming Water Development Commission (029)  
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**December 2017**

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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 that 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:

<b>Account</b>	<b>Wyoming's Storage (Acre-Feet)</b>	<b>6/30/2017 Account Balance</b>	<b>Balance</b>
Fontenelle Reservoir	120,000	3,146,081	Decreasing*
Buffalo Bill Dam	187,940	20,168,991	Increasing
Palisades Reservoir	33,000	447,848	Increasing
Miscellaneous Water Investment	5,000	35,383	Decreasing**
High Savery Reservoir	22,433	1,139,636	Stable
Pathfinder Modification	53,493	8,948,174	Increasing
Glendo Reservoir	10,600	903,239	Increasing
Keyhole Reservoir	0	0.00	N/A

\*The Fontenelle Reservoir account has received multiple transfers from the Buffalo Bill Dam account as the Fontenelle Reservoir account is not self-sustaining.

\*\*The Miscellaneous Water Investment account received a transfer from the Buffalo Bill account to fund the state’s share of operation and maintenance costs for storage of water in Seminoe Reservoir.

These accounts fund the operation, maintenance, replacement, mitigation, and contract obligations necessary to sustain the corresponding dams and reservoirs. Per statute, the Buffalo Bill Dam account may be used to meet the obligations for any of the other accounts. A sizeable amount of funds is needed to ensure contingencies are managed when required.

The High Savery Dam and Reservoir is owned and operated by the State of Wyoming and requires daily monitoring. All of the dams and reservoirs for which the state has an obligation are high-hazard facilities. In addition, aging dams and reservoirs may have increased obligations. Thus, it is critical to have the financial resources necessary to adequately maintain these reservoirs thereby ensuring the continued benefits of these dams and reservoirs.

On August 25, 2017, the WWDC reviewed the financial status and projections for each of the seven reservoir water investment management accounts. The conclusion and recommendation was that there are no excess funds in these accounts at this time.

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%. A summary of Wyoming's remaining investment for the PRRIP follows:

<b>Account</b>	<b>Wyoming's Storage (Acre-Feet)</b>	<b>6/30/2017 Account Balance</b>	<b>Balance</b>
Platte River Basin Endangered Species	0	5,326,829	Decreasing

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 the 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.

As of October 1, 2017, a total of 142 instream flow filings exist with the State of Wyoming. Each of these filings represents a separate instream flow segment. Out of these, 18 are in the preliminary application stage, 79 are currently permitted by the State Engineer's Office (SEO), 39 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 51 hydrologic feasibility reports which have been submitted to the SEO. An additional report is scheduled for completion by January, 2019. At this time, no new reports are anticipated to start during 2018, but this is pending advancement of instream flow water rights applications from Wyoming Game and Fish Department.

## 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 Program, 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 consumption 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 that 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, \$7,800,000 have 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, \$4,100,000 have been appropriated for the new development small water project program and \$2,550,000 have been appropriated for the rehabilitation small water project program. New applications are due each January 1<sup>st</sup> 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 the tax and interest and payments for outstanding loans ranges from \$23,000,000 to \$32,000,000 per year. The WWDC is committed to phase or delay projects to ensure its recommendations do not exceed available revenue in the account.

Water Development Account I also funds the following:

1. Agency budget-The agency budget for the Wyoming Water Development Office (WWDO) is \$8,481,505 for the 2017-2018 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 \$13,454,225 per biennium.
3. Water Resource Data System-The WWDO funds the UW Water Resource Data System through the agency budget at a cost of approximately \$805,000 per biennium.
4. Instream Flow-The WWDC requests \$150,000 per biennium through the agency budget for consultant services for the completion of instream flow feasibility studies.
5. Water Related Research-The Wyoming Water Development Program invests approximately \$400,000 per year on non-project specific water related research.
6. UW Office of Water Programs-The WWDC provides \$161,000 per biennium to assist in the financing of the UW Office of Water Programs.
7. Basin Wide Planning-The Wyoming Water Development Program has expended over \$7,000,000 on the 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 at an approximate cost of \$250,000 per basin.
8. Groundwater Grant Program-The legislature, at the request of the WWDC, has appropriated \$7,800,000 for the program, which serves to finance groundwater exploration studies for cities, towns, improvement and service districts, and water and sewer districts.
9. Small Water Projects Program-The legislature has invested \$4,100,000 in the new development component of the program.
10. 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 \$2,133,000 per biennium) are appropriated by statute to match 10% of the federal capitalization grant.
11. 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 \$675,000 per biennium to the state Department of Agriculture for TMDL programs, \$100,000 per biennium to the State Engineer's Office for the endangered fish recovery program in the Colorado River Basin, and in FY 2018 \$6,214,393 to fund 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 tax and interest and payments for outstanding loans is approximately \$6,000,000 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 \$2,550,000 in the rehabilitation component of the program.
2. Other-As of June 2017, 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 the tax and interest is approximately \$3,000,000 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 \$40 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 can 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 2017:

Sector	Percentage (%) of Total Expenditures		
	WD Account No. I	WD Account No. II	WD Account No. III*
Multi-purpose	10.8	4.5	47.2
Agriculture	10.0	48.4	49.0
Municipal	50.8	39.0	3.8
Special Districts	6.2	2.1	-
Legal	3.1	4.0	-
Non-Project	19.1	2.0	-

\*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 presently concentrating on preserving what they have, rather than developing new supplies. The WWDC will continue to assist irrigation districts replace and repair 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 must not only be concerned with the quantity of water they can supply for culinary, irrigation, and fire flow purposes, but must ensure that their water quality meets ever-changing 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.

C. Special districts that provide domestic water are faced with the same EPA requirements as municipalities. As a result, the Water Development Program is receiving an increasing number of requests for funding assistance from special districts. Wyoming's relatively weak subdivision laws are partially to blame for this problem. 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 so they can be supportive in solving the problems of the surrounding subdivisions. In the short term, it is apparent that the Wyoming Water Development Program will be receiving additional 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 has 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, 2017, there are projects with appropriations in excess of \$450M in the construction phase of 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 new project applications is the fifteenth of August. Upon receipt, new applications and supporting documentation are reviewed, and project sites are visited.
- B. Existing Projects - Applications for continued funding of an existing project must be submitted on or before the first of October. 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. 2018 Preliminary Funding Recommendations:**

**Summary-2018 Omnibus Water Bill-Planning Preliminary Recommendations**

<b>Level I Projects-New Development</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Bedford Water Supply Master Plan	Lincoln	\$ 100,000		
Big Sandy Watershed Study	Sublette/ Sweetwater	\$ 275,000		
Horse Creek Watershed Study	Albany/Goshen/ Laramie/Platte	\$ 284,000		
Lower Laramie River Watershed Study	Albany/Goshen/ Laramie/Platte	\$ 290,000		
Middle Big Horn River Watershed Study	Big Horn/Washakie	\$ 300,000		
Osage Water Master Plan	Weston	\$ 190,000		
Popo Agie Watershed Study, Phase II	Fremont	\$ 235,000		
RBP-GIS Data Model Implementation	Statewide	\$ 115,000		
RBP-NHDPlus HR and Streamstats - Phases I & II	Statewide	\$ 240,000		
RBP-Water Supply Index	Statewide	\$ 170,000		
Saratoga Water Master Plan	Carbon	\$ 175,000		
Sheridan Municipal Watershed Wildfire Hazard Mitigation Assessment	Sheridan	\$ 165,000		
Sheridan Water Master Plan	Sheridan	\$ 250,000		
Statewide Water Research	Statewide	TBD		
Subtotal		\$2,789,000		

<b>Level II Projects-New Development</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Fontenelle Dam and Outworks Infrastructure Completion	Lincoln/ Sweetwater	\$ 750,000		
Glendo Reservoir Full Utilization	Platte	\$ 750,000		
GR-RS-SC JPWB Pump Station and Transmission	Sweetwater	\$ 180,000		
Lander Test Well Study	Fremont	\$2,340,000		
Little Snake River Valley Municipal Water Supply	Carbon	\$ 135,000		
Subtotal		\$4,155,000		

<b>Level II Projects-Rehabilitation</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Big Laramie River Oasis Ditch Diversion Rehabilitation	Albany		\$ 95,000	
Hanover Irrigation District Bighorn Flume Replacement	Washakie		\$ 65,000	
Silver Lake Dam Rehabilitation	Sublette		\$250,000	
Subtotal			\$410,000	

<b>Level II Projects-Storage</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Cheyenne Municipal Storage Phase I	Laramie			\$330,000
Subtotal				\$330,000

**Summary-2018 Omnibus Water Bill-Planning Preliminary Recommendations Continued**

<b>Level II Projects-Storage</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Clear Creek Storage			Time Extension to July 1, 2021	
Nowood River Storage – Alkali Creek			Time Extension to July 1, 2021	
Shell Valley Storage - Leavitt Reservoir			Time Extension to July 1, 2021	

<b>General</b>		<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Platte River Recovery Implementation Program Extension		\$3,100,000		
Office of Water Programs		\$ 175,000		
Subtotal		\$3,275,000		

**2017 Omnibus Water Bill-Planning Preliminary Total      \$10,219,000      \$410,000      \$330,000**

**Summary-2017 Omnibus Water Bill-Construction Preliminary Recommendations**

<b>Level III Projects-New Development</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Gillette Regional Extensions, Phase IV 2018	Campbell	\$ 1,809,000		
Glenrock Transmission Pipeline 2018	Converse	\$ 525,950		
Lake DeSmet Acquisition	Johnson	\$ 4,500,000		
Lusk Water System Improvements 2018	Niobrara	\$ 546,050		
Melody Ranch Water System Improvements 2018	Teton	\$ 944,700		
Newcastle Well 2018	Weston	\$ 495,800		
Northwest Rural Water System Improvements 2018	Park	\$ 1,076,690		
Sheridan North Side Transmission Pipeline 2018	Sheridan	\$ 1,735,300		
Weather Modification Wind River Mountains 2019	Fremont/Sublette	\$ 250,000		
Subtotal		\$11,883,490		

<b>Level III Projects-Rehabilitation</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Casper Alcova Irrigation District Underdrain 2018	Natrona		\$ 416,740	
Cottonwood Irrigation District Pipeline Replacement 2018	Lincoln		\$ 834,000	
Deaver Irrigation District Rehabilitation 2018	Big Horn		\$ 230,000	
Goshen Irrigation District Check Structure 2018	Goshen		\$ 468,330	
Hanover Irrigation District Cottonwood Spill/Check Replacement 2018	Washakie		\$ 414,000	
Heart Mountain Irrigation District Rattlesnake Liner Replacement	Park		\$2,700,000	



**Summary-2017 Omnibus Water Bill-Construction Preliminary Recommendations Continued**

<b>Level III Projects-Rehabilitation</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Midvale Irrigation District Rehabilitation 2018	Fremont		\$ 995,000	
Riverton Valley Irrigation District Rehabilitation 2018	Fremont		\$ 542,500	
Sidon Irrigation District Rehabilitation 2018	Big Horn		\$ 823,000	
Sundance Tank 2018	Crook		\$ 666,650	
<b>Subtotal</b>			<b>\$8,090,220</b>	

<b>Level III Projects-Storage</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
West Fork Reservoir	Carbon			\$40,000,000
<b>Subtotal</b>				<b>\$40,000,000</b>

<b>Amendments to Prior Appropriations</b>	<b>County</b>	<b>WDA I</b>	<b>WDA II</b>	<b>WDA III</b>
Douglas Box Elder Spring	Converse		Time Extension to July 1, 2021	
Dull Knife Reservoir Spillway Rehabilitation	Johnson		\$217,000	
Evansville Emergency Connection	Natrona		Time Extension to July 1, 2019	
Gillette Regional Extensions 2017	Campbell	\$2,391,900		
GR/RS/SC Raw Water Reservoir	Sweetwater		Time Extension to July 1, 2020	
Mountain View Acres Connection	Fremont		Time Extension to July 1, 2021	
Small Water Development Projects - New Development	Statewide	\$ 400,000		
Small Water Development Projects - Rehabilitation	Statewide		\$100,000	
<b>Subtotal</b>		<b>\$2,791,900</b>	<b>\$317,000</b>	

<b>2017 Omnibus Water Bill-Construction Total</b>	<b>\$14,675,000</b>	<b>\$8,817,220</b>	<b>\$40,000,000</b>
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### III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2018-19 Legislative Session.

#### Water Development Account I Preliminary Fiscal Projections as of 11/1/2017

Cash Balance 6/30/16		110,266,876
<b>FY17 Revenues</b>		
Taxes	19,297,500	
Interest	2,199,276	
Loans/Interest	14,066,629	
Other	<u>7,311,417</u>	
Total Revenues		42,874,822
<b>FY17 Expenditures</b>		
Total Expenditures		<u>(24,049,009)</u>
Cash Balance 6/30/17		129,092,689
<b>Outstanding Commitments 7/1/17</b>		
Active Appropriations	(165,866,937)	
Expenditures Paid	<u>52,886,971</u>	
Total Commitments 7/1/17		<u>(112,979,966)</u>
Total Uncommitted Balance 7/1/17		<u>16,112,723</u>
<b>FY18 Anticipated Revenues</b>		
Taxes	19,300,000	
Interest	2,000,000	
Other	<u>1,800,000</u>	
Total FY18 Anticipated Revenues		23,100,000
<b>FY19 Anticipated Revenues</b>		
Taxes	19,300,000	
Interest	2,000,000	
Other	<u>1,800,000</u>	
Total FY19 Anticipated Revenues		23,100,000
<b>FY20 Anticipated Revenues</b>		
Taxes	19,300,000	
Interest	2,000,000	
Other	<u>1,800,000</u>	
Total FY20 Anticipated Revenues		<u>23,100,000</u>
Subtotal Anticipated Revenues		<u>69,300,000</u>
Balance Available for Appropriation		<u>85,412,723</u>

**Water Development Account II**  
**Preliminary Fiscal Projections as of 11/1/2017**

Cash Balance 6/30/16		28,489,010
<b>FY17 Revenues</b>		
Taxes	3,255,000	
Interest	566,453	
Loans/Interest	4,094,048	
Total Revenues		7,915,501
<b>FY17 Expenditures</b>		
Total Expenditures		<u>(7,576,757)</u>
Cash Balance 6/30/17		28,827,754
<b>Outstanding Commitments 7/1/17</b>		
Active Appropriations	(53,075,331)	
Expenditures Paid	24,801,265	
Total Commitments 7/1/17		<u>(28,274,066)</u>
Total Uncommitted Balance 7/1/17		<u>553,688</u>
<b>FY18 Anticipated Revenues</b>		
Taxes	3,255,000	
Interest	400,000	
Other	1,000,000	
Total FY18 Anticipated Revenues		4,655,000
<b>FY19 Anticipated Revenues</b>		
Taxes	3,255,000	
Interest	400,000	
Other	1,000,000	
Total FY19 Anticipated Revenues		4,655,000
<b>FY20 Anticipated Revenues</b>		
Taxes	3,255,000	
Interest	400,000	
Other	1,000,000	
Total FY20 Anticipated Revenues		4,655,000
Subtotal Anticipated Revenues		<u>13,965,000</u>
Balance Available for Appropriation		<u>14,518,688</u>

**Water Development Account III**  
**Preliminary Fiscal Projections as of 11/1/2017**

Cash Balance 6/30/16		170,390,410
<b>FY17 Revenues</b>		
Taxes	775,000	
Interest	<u>3,195,289</u>	
Total Revenues		3,970,289
<b>FY17 Expenditures</b>		
Total Expenditures		<u>(1,842,075)</u>
Cash Balance 6/30/17		172,518,624
<b>Outstanding Commitments 7/1/17</b>		
Active Appropriations	(126,969,026)	
Expenditures Paid	<u>5,863,272</u>	
Total Commitments 7/1/17		<u>(121,105,754)</u>
Total Uncommitted Balance 7/1/17		<u>51,412,870</u>
<b>FY18 Anticipated Revenues</b>		
Taxes	800,000	
Interest	<u>2,200,000</u>	
Total FY18 Anticipated Revenues		3,000,000
<b>FY19 Anticipated Revenues</b>		
Taxes	800,000	
Interest	<u>2,200,000</u>	
Total FY19 Anticipated Revenues		3,000,000
<b>FY20 Anticipated Revenues</b>		
Taxes	800,000	
Interest	<u>2,200,000</u>	
Total FY20 Anticipated Revenues		<u>3,000,000</u>
Subtotal Anticipated Revenues		<u>9,000,000</u>
Balance Available for Appropriation		<u><u>60,412,870</u></u>

#### IV. Anticipated Remaining Funding after the 2018 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 2018 Session by predicting the anticipated demands placed on those accounts during the 2018 Session.

##### Water Development Account I

Available 2018 Session		\$85,412,723
Non-Project Anticipated Appropriations		
Agency (029) Budget	\$ 8,319,173	
DOA (010) Water Quality	\$ 656,008	
SEO (037) CO River E.S.	\$ 102,953	
SEO (037) Board of Control	\$13,454,225	
OSLI (060) DWSRF	\$ 1,062,315	
Deduct: Non-Project Appropriations		<u>\$23,594,674</u>
Subtotal		\$61,818,049
2018 Omnibus Water Bills		
Planning	\$10,219,000	
Construction	<u>\$14,675,390</u>	
Deduct: Omnibus Water Bills		<u>\$24,894,390</u>
Subtotal		\$36,923,659
Add: Anticipated 2018 Reversions		<u>\$ 2,000,000</u>
<b>Anticipated Remaining after 2018 Session</b>		<b>\$38,923,659</b>

##### Water Development Account II

Available 2018 Session		\$14,518,688
2018 Omnibus Water Bills		
Planning	\$ 410,000	
Construction	<u>\$8,407,220</u>	
Deduct: Omnibus Water Bills		<u>\$ 8,817,220</u>
Subtotal		\$ 5,701,468
Add: Anticipated 2018 Reversions		<u>\$ 615,000</u>
<b>Anticipated Remaining after 2018 Session</b>		<b>\$ 6,316,468</b>

##### Water Development Account III

Available 2018 Session		\$60,412,870
2018 Omnibus Water Bills		
Planning	\$ 330,000	
Construction	<u>\$40,000,000</u>	
Deduct: Omnibus Water Bills		\$40,330,000
Add: Anticipated 2018 Reversions		<u>\$ 0</u>
<b>Anticipated Remaining after 2018 Session</b>		<b>\$20,082,870</b>

The following table attempts to predict funding requests for the 2019 or later Legislative Sessions:

**Water Development Account I**

Potential Projects

Basin Planning	250,000	
Watershed Studies	600,000	
Buffalo System Improvements	100,000	
Casper - Poplar St Zone II	1,100,000	
CWRWS - Westwinds Rd Transmission Line	5,500,000	
Cheyenne Belvoir Well Field	10,000,000	
Cheyenne Round Top Tank	20,000,000	
Gillette Regional Extensions	25,000,000	
Glenrock Transmission Line	1,800,000	
GR/RS/SC IPWB	5,000,000	
Hanna Transmission	250,000	
Star Valley Ranch Tank	1,000,000	
Thermopolis System Improvements	<u>700,000</u>	
<b>Grand Total WDA I</b>		<b>\$ 71,300,000</b>

**Water Development Account II**

Phased Projects-Priorities

Big Horn Canal Siphon	\$ 3,000,000	
Casper Alcova Irrigation District	500,000	
Cody Canal Irrigation District	500,000	
Deaver Irrigation District	500,000	
Dry Creek irrigation District	1,300,000	
Eden Valley Irrigation and Drainage District	10,000,000	
Goshen Irrigation District	750,000	
Heart Mountain Irrigation District	500,000	
Midvale Irrigation District	1,000,000	
Shoshone Irrigation District	500,000	
Sidon Irrigation District	500,000	
Wheatland Irrigation District	1,000,000	
Wind River Irrigation Rehabilitation	<u>25,000,000</u>	
Total Phased Projects		\$45,050,000

Other Potential Projects

Casper - Storage Tank Rehabilitation	6,000,000	
Casper - Ridgecrest Zone 2/3 Transmission Line	1,450,000	
CWRWS - Salt Creek Pump Station	1,500,000	
Hanover Irrigation District Flume	2,300,000	
Silver Lake Dam Rehabilitation	3,500,000	
Total Other Potential Projects		<u>\$14,750,000</u>
<b>Grand Total WDA II</b>		<b>\$59,800,000</b>

**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	\$119,000,000	
Greybull Valley Storage Enlargement	50,000,000	
Meadowlark Lake Enlargement	18,000,000	
Meeks Cabin Enlargement	11,000,000	
New Fork Enlargement	16,000,000	
Stateline Reservoir Enlargement	7,000,000	
West Fork Reservoir	33,000,000	
Wind River Storage (Two sites)	<u>121,000,000</u>	
<b>Grand Total WDA III</b>		<b>\$375,000,000</b>

# **ACTIVE PROJECT REPORTS**



**CHAPTER 3 – ACTIVE PROJECTS**

1. **PROJECT:** Alkali Creek Reservoir  
**LEVEL:** III  
**SPONSOR:** Nowood River Watershed Improvement District  
**LOCATION:** Big Horn County  
**PROGRAM:** Dams and Reservoirs

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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	2018
Level III	75	2017	III	\$ 35,000,000	2025

**PROJECT INFORMATION:**

The Nowood River 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 minimum pool for habitat, fishing and recreational use.

The proposed expansion lies partially on lands managed by the Worland 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 404 permit. The NEPA process is being followed and an Environmental Impact Statement (EIS) will be prepared by the BLM, as the lead federal agency, to address the issues and analyze a range of alternatives for Alkali Creek Reservoir in order to fully meet Federal requirements. Based on information gathered through previous WWDC analysis, a positive Record of Decision is anticipated. 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 minimum (environmental/recreation) pool which will provide fisheries, wildlife, and recreational uses. Diversions out of Paint Rock and Medicine Lodge Creeks during spring runoff will have some flood control benefits, plus 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.

2. **PROJECT:** **Antelope Valley Regional Connection**  
**LEVEL:** III  
**SPONSOR:** Antelope Valley Improvement and Service District  
**LOCATION:** Campbell County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	I	\$ 201,000	2019*

67% Grant

**PROJECT INFORMATION:**

The Antelope Valley Improvement and Service District requested funds in 2013 to facilitate their connection to the Gillette Regional System, construct a blending vault so that they could continue to use their own wells, implement recommended changes to their chlorination system, and modify the storage tank transmission piping as recommended in the 2012 WWDC funded Level II report on the Gillette Regional Connections. The project is complete with the exception of the closeout affidavit.

3. **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:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 and the project is under construction.

4. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	85	2007	I	\$ 125,000	Complete
Level II	66	2009	I	\$ 500,000	Complete
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:

- 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 project is under design.

5. **PROJECT:** Austin-Wall Canal Rehabilitation (Phase I)  
**LEVEL:** III  
**SPONSOR:** Austin-Wall Irrigation District  
**LOCATION:** Uinta  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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***

\*50% Grant. This appropriation replaced by 2014 appropriation

\*\*50% Grant. This appropriation replaced by 2015 appropriation

\*\*\*50.9% Grant, 3.4% Loan

PROJECT INFORMATION:

The Uinta County Conservation District, Austin Reservoir and Canal Company, and the Wall Development Company requested a Level I study of the Austin Reservoir and canal system and the Wall Canal irrigation system. The Level I study was completed in 2009. The study verified the two canal systems are experiencing significant water losses. The Wall Dam, which stores approximately 870 acre-feet, is also leaking and the outlet structure is in need of replacement.

In 2011, the Level II study was completed, and included a geotechnical drilling program and analyses of the existing dam. The study also refined recommendations related to improving both the Austin and Wall canal systems. An application for funding from the U.S. Bureau of Reclamation's Salinity Control Program (SCP) was prepared and submitted. An SCP construction funding request of \$6,000,000 was approved. The total cost to rehabilitate both canals was estimated to be \$18,000,000. Therefore, the District requested \$12,000,000 from the WWDC Rehabilitation Program. Since there are only 6,000 acres within the District, the requested funding from the WWDC would exceed two times the Program's previous investment per acre on similar projects. The substantial request would impair the WWDC's capability to invest in other needed projects.

Because of the budget impact to the Rehabilitation Program account, the WWDC requested the District focus on a new study to identify those leaking sections within the individual canal systems where water leakage is a major problem. Upon reviewing the results of this requested study, the WWDC would then consider a reduced funding request to repair those areas where major leakage was identified. Results from this newest study located several canal sections where major leakage was occurring. The District then requested \$1,600,000 from WWDC for construction funding for the repair of those leaking canal sections. The requested funding was spread out over three consecutive years of appropriations. WWDC funding was proposed to match \$1,350,000 SCP funding. The proposed funding schedule request included:

- 2013: \$150,000 for design and permitting
- 2014: \$850,000 for construction (Phase I)
- 2015: \$600,000 for construction (Phase I)

In 2013, the WWDC recommended this project advance to Level III status in the Rehabilitation Program with an appropriation of \$150,000 for design and permitting. The financing plan provides a 50% grant, which would be matched with a 50% SCP grant. In 2014, the first phase of construction funding was appropriated in the amount of \$850,000. In 2015, an additional \$600,000 was added to the project. The design is complete and the project is anticipated to complete construction in 2017.

6. **PROJECT:** Basin Planning: Environmental and Recreational Use Study  
**LEVEL:** I  
**SPONSOR:** WWDC  
**LOCATION:** Big Horn, Carbon, Fremont, Hot Springs, Lincoln, Natrona, Park, Sublette, Sweetwater, Uinta, and Washakie Counties  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	38	2016	I	\$100,000	2019

**PROJECT INFORMATION:**

In 2010, the Wyoming Water Development Commission requested a study to develop a more robust and consistent methodology for defining environmental and recreational water uses for the River Basin Planning program. The study identified that available data sources needed to be defined and analyzed in a way that would assess their interactions with traditional water uses throughout the State of Wyoming.

Harvey Economics completed the study in 2012, with a report and handbook being produced to identify a consistent viewpoint and accounting process for environmental and recreational water demands and to help guide river basin planning efforts in moving forward. The methodologies developed in the handbook were then used in the 2012 update of the Snake/Salt River Basin Plan. This methodology is also currently being used in the update of the Platte River Basin Plan and the Powder/Tongue and Northeast River Basin Plans. Funding appropriated in 2016 allows for the completion of the environmental and recreational use analysis with this same methodology in the three river basin plans that have not yet had this work completed (Bear, Green, and Wind/Bighorn Basins). This study will ensure that the environmental and recreational use data which is developed in the river basin plans is consistent across the state.

On August 23, 2016, the project consultant held a kickoff meeting in Cheyenne to discuss data collection, GIS data plan and model development, future meetings and final report framework. Several project meetings were held with the team during 2017.

Three separate reports were drafted for each of the basins. Final draft presentations/open houses were held on the following dates:

Wind/Bighorn River Basin – December 4, 2017 – Riverton, WY

Green River Basin – December 5, 2017 – Rock Springs, WY

Bear River Basin – December 5, 2017 – Evanston, WY

7. **PROJECT:** Bear River Data Model Pilot Study  
**LEVEL:** I  
**SPONSOR:** WWDC  
**LOCATION:** Lincoln and Uinta Counties  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	38	2016	I	\$ 120,000	2019

**PROJECT INFORMATION:**

This study will develop standards and compile data from Water Development Office projects to create a Geographic Information System (GIS) for the Bear River Basin. This project will develop critical water resource data and improve consistency and usability of data investments made by the State of Wyoming through the Water Development Commission. Significant investments are put into creating GIS data in the preparation of Water Development Office planning projects, i.e. River Basin Plans, Watershed Studies, Master Plans, etc. This project leverages these investments by compiling existing data products and improving consistency in data collection on future projects. The data framework plan developed in this pilot study will be used in WWDC planning projects across the state.

Results of this project will include written standards for data creation and geodatabase templates for future WWDC planning products, complete datasets to inform future water management models, recommendations for future data collection, streamflow collection standards, a data maintenance plan, and staff training. The project is in progress, and on schedule to be completed in 2017.

- 8. **PROJECT:**                    **Bear River Watershed Study**
- LEVEL:**                        I
- SPONSORS:**                 Lincoln Conservation District
- LOCATION:**                    Lincoln and Uinta Counties
- PROGRAM:**                  New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	168	2015	I	\$375,000	2018

**PROJECT INFORMATION:**

The Lincoln Conservation District and co-sponsor Uinta County Conservation District requested a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification of rivers and streams. This information will provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage including enlargement of existing water storage facilities, irrigation diversion/conveyance systems, and upland livestock/wildlife water management and rehabilitation plans are also of interest.

The Bear River watershed, located in Lincoln and Uinta counties, covers approximately 578,000 acres. Land ownership in the watershed is predominately federal (~54%), private (~38%) and state (~8%). The Bear River watershed includes the primary stream system of the Bear River and numerous tributaries including Sulphur Creek, Mill Creek, Aspen Creek, Coyote Creek, Shearing Corral Creek, Bridger Creek, Rabbit Creek, Clear Creek, Twin Creek, Rock Creek, Coantag Creek, Hobble Creek, Smiths Fork, Water Canyon Creek, and Thomas Fork. Sulphur Creek Reservoir, Woodruff Narrows Reservoir, Quealy Reservoir and Alice Lake are storage facilities located in the watershed. There are numerous smaller surface water impoundments within the watershed.

This study collected and inventoried various data sets and previous studies related to the Bear River Watershed study area and its resources, challenges and potential with regard to watershed improvements. Potential improvements include both projects and management strategies related to rangeland health, irrigation potential, livestock watering, wildlife watering, wildlife habitat and general stream health.

Within the Bear River Watershed study area, opportunities exist to improve upland water availability for livestock and wildlife. The potential projects range from simple spring developments to projects with piped distribution to multiple tanks and troughs. Many opportunities lie on public lands and will present the prospect for partnering that may improve range and offer wildlife watering opportunities.

Landowners and permittees pointed out several areas of concern related to channel stability. The basin-wide channel morphology classification identified numerous disequilibrium channel reaches and areas of morphologic concern based upon channel condition and valley setting. The effort generated a list of warranted treatment areas that watershed managers can utilize to identify meaningful channel restoration and stabilization projects across the watershed.

Potential opportunities for irrigation projects identified in this study are associated with primary conveyance systems. Identified projects include piping canal sections, replacing head gates, and repairs to troubled spots on canals. Related stream work includes bank stabilization and head level control structures in the river to maintain diversion viability.

During the course of the project, conservation district board members, landowners, stakeholders, and representatives from state, local and federal agencies were involved in 6 public meetings and multiple site visits. Key issues and opportunities 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 over 95 potential watershed improvement projects. These projects include:

- 40 irrigation development projects totaling \$16.1 million
- 58 upland watering projects totaling \$3.4 million

A final draft report presentation was held at the Town Council Chambers in Cokeville on February 21, 2017. The final project report was submitted February, 2017.

9. **PROJECT:** Beaver Creek Watershed Study  
**LEVEL:** I  
**SPONSORS:** Weston County Natural Resource District  
**LOCATION:** Weston County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	65	2017	I	\$ 1,087,500	2020*

\* The 2017 Wyoming State Legislature authorized a “block appropriation” for one or more of seven watershed studies for which applications had been received and for which the Commission was instructed to establish a prioritized list. This study was one of four prioritized and approved for funding by the Commission with a project specific budget of \$271,875.

**PROJECT INFORMATION:**

The Weston County Natural Resource District (NRD) requests a watershed study to evaluate current watershed function, irrigation diversion/conveyance systems, and upland livestock/wildlife water management and rehabilitation opportunities. Surface water storage including enlargement and/or rehabilitation of existing water storage facilities, current condition of wetlands and riparian

areas within the drainage, and geomorphic classification are also of interest. This information would provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage.

The Beaver Creek watershed, located primarily in Weston County, covers approximately 760,029 acres. Land ownership in the watershed is predominately private (~ 74%), federal (~ 15%), and state (~8%). The Beaver Creek watershed includes the primary stream system of Beaver Creek, Stockade Beaver Creek, Parmalee Creek, Bear Creek, Salt Creek, Sweetwater Creek, Freshwater Creek, Oil Creek, West Plum Creek, Big Plum Creek, and Skull Creek. Spencer (LAK) Reservoir and Klodt are storage facilities located in the watershed and are privately owned reservoirs used for irrigation.

This study will develop 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 will be incorporated into development, rehabilitation, and management plans complete with cost estimates for potential future project activities. The final report is expected in 2018.

On June 27, 2017, the project consultant held a kickoff meeting in Newcastle to gather input from landowners, discuss opportunities for projects to be included in the watershed study as well as discuss any funding assistance that could be available. Meetings with landowners will continue throughout the course of this study.

- 10. **PROJECT:** **Big Horn Canal Rehabilitation 2012**
- LEVEL:** III
- SPONSOR:** Big Horn Canal Irrigation District
- LOCATION:** Big Horn and Washakie Counties
- PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	75	2005	II	\$ 150,000	2006
Level III	14	2012	II	\$ 1,440,000	2017*

\* 67% grant, 33% loan

PROJECT INFORMATION:

The Big Horn Canal Irrigation District’s main canal is over 60 miles long and extends from south of Worland to nearly Greybull. Subsequent to the Level II study completed in April 2007, the sponsor requested loan and grant funding to replace the waste way check-drop structures at Fifteen Mile Creek and Five Mile Creek. Construction funds were appropriated in the 2012 legislative session.

The Fifteen Mile Creek facilities were constructed in the winter of 2014-2015 with available funds. Minor adjustments to automated gate accessories and SCADA fine tuning were completed after the 2016 irrigation season. The project was completed prior to the 2017 irrigation season.

- 11. **PROJECT:** **Big Horn Canal Underway**
- LEVEL:** III
- SPONSOR:** Big Horn Canal Irrigation District
- LOCATION:** Big Horn and Washakie Counties
- PROGRAM:** Rehabilitation



EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	75	2005	II	\$ 150,000	2006
Level III	105	2006	II	\$ 30,150	2020*
Level III	23	2015	II	\$ 175,000	2020**

\* Sponsor’s Contingency Fund, 67% grant

\*\* 67% grant, 33% loan

PROJECT INFORMATION:

The Big Horn Canal Irrigation District’s main canal (Big Horn Canal) extends from the Big Horn River south of Worland to the Greybull River near Greybull. Roughly two miles below the Big Horn Canal headgate is a structure that protects the canal by conveying the water flowing in Lester Gulch under the Big Horn Canal to the Big Horn River. Records indicate this underway was constructed in 1937 utilizing a collaborative funding effort between several parties and is now in need of replacement. The Legislature authorized Level III funding to construct a replacement underway.

This project has been publically advertised and competitively bid. The contractor started construction in the fall of 2017. The project should be completed prior to the 2017 irrigation season.

12. **PROJECT:** Big Horn Regional Southern Water Supply  
**LEVEL:** II  
**SPONSOR:** Big Horn Regional Joint Powers Board  
**LOCATION:** Hot Springs County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	36/86/7	2000/01/02	I	\$1,505,000	2005
Level II	75/66	2005/09	I	\$1,750,000	2012
Level III	8/118/121/4	2002/04/07/12	I	\$23,838,600	2017
Level I	74	2014	I	\$135,000	2017
Level II	65	2017	I	\$180,000	2020

PROJECT INFORMATION:

Since late 2015, the BHRJPB has been engaged in a dialog with a group of Hot Springs County public water supply users (South Thermopolis Water & Sewer District, Owl Creek Water District, Black Mountain Users, and Town of East Thermopolis) who presently receive supplies from the Town of Thermopolis water treatment plant that diverts and treats water from the Big Horn River. The Hot Springs users are seeking alternative means of source supply (BHRJPB is 100% ground water source-supplied from artesian Madison aquifer wells) for long-term reliability and cost-effectiveness as has been successfully demonstrated by the Big Horn Regional Project and other similar regional drinking-water projects in the State.

Since the study began in June 2017, the Consultant, the sponsor, and the WWDO project manager have been working with a Hot Springs County steering committee to advance water supply alternative concepts. The project will be ongoing during 2018 with a final report expected in September, 2018.

13. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 hydrologic analysis, bathymetric survey, project management, 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. 30% designs have 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), and final design work has begun. It is anticipated by Reclamation that construction will start in the fall of 2019. 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 13,500 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.

14. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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. The top alternatives were then analyzed against each other with more detailed conceptual designs and site investigations. The top 3 selected alternatives were as follows:

1. Crowheart No. 1
2. Willow Creek Reservoir
3. Dinwoody Lake Enlargement

In summary, based on the Level II, Phase I investigation, it was confirmed 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
- In-Depth Geological/Geotechnical Analysis and Field Investigation
- Wetlands Delineation 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.

15. **PROJECT:** Bighorn Mountains Instream Flows  
**LEVEL:** I  
**SPONSOR:** WWDO  
**LOCATION:** Bighorn Mountains, Wind/Bighorn & Powder/Tongue Basins, Wyoming  
**PROGRAM:** Instream Flow Studies

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation<sub>1</sub></u>	<u>Due Date<sub>2</sub></u>
Level I	26	2014	I	\$73,950	2017

1. *Appropriation refers to contract amount.*
2. *Due Date refers contract expiration year.*

**PROJECT INFORMATION:**

The Wyoming Game and Fish Department (WGFD) identified six stream reaches within the Bighorn Mountains, both on the western and eastern slopes, in various watersheds, where instream flows are critical and unappropriated surface water appears available. The first segment is on Buckskin Ed Creek, which is a tributary of South Paint Rock Creek in the Wind/Bighorn River Basin. The Buckskin Ed Creek HUC12 (100800100603), which also includes Soldier Creek, encompasses approximately 56.9 square miles. The second segment is on Cedar Creek, which is a tributary of Shell Creek in the Wind/Bighorn River Basin. The Cedar Creek HUC12 (100800100103) encompasses approximately 28.7 square miles. The third segment is on Lodge Grass Creek, a tributary of the Little Bighorn River in the Powder/Tongue River Basin. The Lodge Grass Creek HUC12 (100800160301) encompasses approximately 42.7 square miles. The fourth segment is on Soldier Creek, which is also a tributary of South Paint Rock Creek in the Wind/Bighorn River Basin. The Soldier Creek HUC12 (100800080603), which also includes Buckskin Ed Creek, encompasses approximately 56.9 square miles. The fifth segment is within Trout Creek, which is a tributary of Porcupine Creek in the Wind/Bighorn River Basin. The Trout Creek HUC12 (100800100604) encompasses approximately 39.8 square miles. The sixth segment is the West Fork Little Bighorn River, which is tributary to the Little Bighorn River in the Powder/Tongue River Basin. The West Fork Little Bighorn River HUC12 (100800160104) encompasses approximately 38.0 square miles.

WGFD conducted field studies and prepared a biological report that identified the minimum amount of water necessary to maintain or improve existing fisheries. A water right application was prepared with the Wyoming Water Development Commission (WWDC) as the applicant. The application was submitted to the State Engineer’s Office. The date that the application was

accepted established the priority date of the water right. Per Wyoming Statute 41-3-1004 (a), the WWDC is then charged to produce an instream flow study to determine whether or not unappropriated water is available to support flows requested by the WGFD:

*Immediately after permits have been applied for under W.S. 41-3-1003 (c), the water development commission shall determine the feasibility of providing instream flows for the recommended segments of streams from unappropriated direct flows or from existing storage facilities or from new facilities.*

The WWDC contracted with an engineering consultant to complete this hydrology study on the availability of unappropriated water to meet the water rights application requested flows. Primary tasks conducted during the study included: a water rights inventory; compilation of flow, diversion, and storage records; installation of gaging sites and flow measurements; hydrology and unappropriated flow analyses; and, a daily flow exceedance analysis. With completion of this study, the WWDC submitted the final report to the State Engineer’s Office (SEO). The State Engineer will then use the report findings, along with WGFD biological report and public comment, to issue an instream flow permit. This study was completed on time and within budget with the final report delivered in January, 2017.

16. **PROJECT:** Bitter Creek/East Flaming Gorge Watershed Study  
**LEVEL:** I  
**SPONSOR:** Sweetwater County Conservation District  
**LOCATION:** Sweetwater County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	65	2017	I	\$ 1,087,500	2020*

\* The 2017 Wyoming State Legislature authorized a “block appropriation” for one or more of seven watershed studies for which applications had been received and for which the Commission was instructed to establish a prioritized list. This study was one of four prioritized and approved for funding by the Commission with a project specific budget of \$271,875.

**PROJECT INFORMATION:**

The Sweetwater County Conservation District requested a watershed study to evaluate current watershed function, water availability and the hydrology/hydrogeology in the Bitter Creek, Killpecker, and Flaming Gorge (eastern portion) watersheds. The District is interested in enhancing watershed processes and repairing or developing new water supplies for livestock. Understanding the condition of rangeland, wetlands, and riparian areas within the drainage will help with erosion and water quality issues on bacteria and Chloride listed Bitter Creek. Water projects that can be packaged into a watershed improvement plan is of interest to the conservation district and its partners. This information would provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. This Study is now in progress, on schedule, and will be completed in 2018.

17. **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:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 5 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 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 1 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 is anticipated to be completed by the fall of 2018.

- 18. PROJECT:                      **Buckskin Extension Master Plan/Gillette Regional**  
LEVEL:                              **II**  
SPONSOR:                         **Buckskin Improvement & Service District**  
LOCATION:                         **Campbell County**  
PROGRAM:                         **New Development****

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	38	2016	I	\$65,000	2019

**PROJECT INFORMATION:**

The Buckskin Improvement and Service District (ISD) was formed in 1999 and is located just north of Gillette. The District's current water system is supplied by ground water from the Fort Union Aquifer. A well with an unknown pumping capacity is in use, and the water is stored in an underground cistern. A booster pump provides pressure to the distribution system. Chlorination also takes place in the pump house. The sponsor contracts with a local water system operator.

The Buckskin ISD has signed a Water Service Agreement with the City of Gillette for connection to the Gillette Regional System. Prior to this study, the District did not have a formal plan in place for its water distribution system. In expectation of connecting to the regional system, this Level II accomplished the following in the form of a master plan: inventoried, mapped, and evaluated the existing water system infrastructure, identified deficiencies, and provided a more efficient mapping

system; evaluated the existing well and associated water quality in conjunction with a potential connection to the regional system, investigated whether it should remain in service or be abandoned; prepared a hydraulic model to simulate and evaluate system operations prior to and after connection to the regional system, assessed demands and potential fire flows; helped identify improvements needed to accommodate future growth; and, ascertained service limits; identified, prioritized, and prepared conceptual-level designs and cost estimates for capital improvement projects needed to facilitate regional connection along with a corresponding schedule; and, reviewed the sponsor’s water rate schedule and prepared a financial plan for system improvements.

A presentation of draft results along with the Level II Public Hearing for this project was held on June 29, 2017. This study was completed on time and within budget with the final report delivered on September 1, 2017.

- 19. PROJECT: Buffalo Groundwater Supply**  
**LEVEL: II**  
**SPONSOR: City of Buffalo**  
**LOCATION: Johnson County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	99	2006	II	\$ 600,000	2009
Level I	74	2014	I	\$ 190,000	2017
Level II	65	2017	I	\$ 180,000	2020

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 project area is located from the City and extends to the mouth of Crazy Woman Creek, along the eastern flank of the Bighorn Mountains.

The City currently relies on surface water from Clear Creek for its sole drinking water supply. A back-up groundwater supply is desirable for supply during potential future droughts or during any quality or quantity problems with the current surface water system. This Level II feasibility study was approved to investigate and evaluate the quantity and quality of water available from the well as a potential groundwater supply for the City of Buffalo and the feasibility of connecting the well to the City’s water supply system.

The study commenced in June, 2017 and an Interim Draft Report of the Preliminary Analysis of Groundwater Alternatives was submitted for review in October, 2017 to present the initial findings of the groundwater study. The study will be ongoing during 2018 with a final report to be delivered September, 2018.

- 20. PROJECT: Buffalo Main Street Pipeline**  
**LEVEL: III**  
**SPONSOR: City of Buffalo**  
**LOCATION: Johnson County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	74	2014	I	\$ 190,000	2017
Level III	55	2016	I	\$ 154,100	2021*

\* 67% grant

**PROJECT INFORMATION:**

The July 2015, Level I Buffalo Master Plan recommended this Level III construction project and the City listed this project as their number one priority. The Buffalo Main Street Pipeline is designed to construct a high-pressure pipeline of 12-inch PVC pipe from the South Tank to feed a specific pressure zone within the City of Buffalo's water system. The Main Street Pipeline will need to be coordinated with WYDOT.

In 2016, the Sponsor secured the services of an Engineer and initiated the design phase. The project has completed the engineering phase, secured the necessary permits and easements in 2017. The project anticipates going to bid in 2018.

21. **PROJECT:** Buffalo Tank Valve  
**LEVEL:** III  
**SPONSOR:** City of Buffalo  
**LOCATION:** Johnson County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	74	2014	I	\$ 190,000	2017
Level III	55	2016	I	\$ 117,250	2021*

67% grant

**PROJECT INFORMATION:**

The July 2015, Level I Buffalo Master Plan recommended this Level III construction project and the City listed this project as their number two priority. The Buffalo Tank Valve project is for the design and construction of a water-level control valve system on the South Tank of the City's water system. In 2016, the Sponsor secured the services of an Engineer and initiated the design phase. The project has completed the engineering phase, secured the necessary permits and easements in 2017. The project anticipates going to bid in 2018.

22. **PROJECT:** Burns Well Connection  
**LEVEL:** III  
**SPONSOR:** Town of Burns  
**LOCATION:** Laramie County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	66	2009	I	\$ 85,000	2010
Level III	68	2010	I	\$ 930,000	2015*
Level II	1	2011	I	\$ 350,000	2012
Level III	141	2013	I	\$ 1,214,000	2018*

\*67% grant, 33% loan



**PROJECT INFORMATION:**

The 2009-2011 Level I master plan study was conducted for the Town of Burns, which is located approximately 25 miles east of Cheyenne in Laramie County. One of the recommendations of the Level I study was to construct an additional water supply well for the Town about 225 feet deep into the Arikaree Formation aquifer to help meet the current and future water needs for the Town. Additionally, the existing Town wells were tested to evaluate yields, water level changes, and interference issues. By August 2012, the Level II test well into the Arikaree Formation was constructed and aquifer tested.

In 2013 the Legislature approved the Burns Well Connection Level III appropriation. The Level III project includes the design and construction of the well connection as well as an isolation transmission line connecting the remaining Town wells. Project financing is a 67% grant and 33% loan. The construction for the project was completed in May 2017 closeout for the project is in progress.

23. **PROJECT:** Cambria Tank  
**LEVEL:** III  
**SPONSORS:** Cambria Improvement & Service District  
**LOCATION:** Weston County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 Town 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 storage tanks with 86,000 gallon 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. The Level II study was completed in 2012. The district is currently securing their final easement and plan to start construction in 2018.

24. **PROJECT:** Casper Alcova Rehabilitation 2015  
**LEVEL:** III  
**SPONSOR:** Casper Alcova Irrigation District  
**LOCATION:** Natrona County  
**PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	99	2006	II	\$ 200,000	2008
Level III	23	2015	II	\$ 187,600	2020*

\* 67% grant

**PROJECT INFORMATION:**

The Casper Alcova Irrigation District (CAID) received funding authorization to replace segments of Laterals 328 and 239 with buried pipeline. The sponsor received 67% grant funding from WWDC to match with its own funds to construct the project. Construction of the project was completed prior to the 2017 irrigation season.

- 25. **PROJECT:** Casper Alcova Underdrain 2016
- LEVEL:** III
- SPONSOR:** Casper Alcova Irrigation District
- LOCATION:** Natrona County
- PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	99	2006	II	\$ 200,000	2008
Level III	55	2016	II	\$ 369,840	2021*

\* 67% grant

**PROJECT INFORMATION:**

Subsequent to the Casper Alcova Irrigation District (CAID) Master Plan and GIS study, the CAID requested funding to replace a double barrel box culvert underdrain on the main canal (Casper Canal). The sponsor requested 67% grant funding from WWDC to match with its own funds to publically bid and contract the work with a contractor for construction of the project. The funding will finance eligible project costs including design, construction engineering, land rights, permitting, and construction. The project should be complete prior to the 2018 irrigation season.

- 26. **PROJECT:** Casper CY Booster Station Replacement 2017
- LEVEL:** III
- SPONSOR:** City of Casper
- LOCATION:** Natrona County
- PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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	\$ 852,000	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 16,425 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. In 2017, the Legislature appropriated \$852,000 in

grant funding to replace an existing 63 year old pump station. The pump station supplies water to approximately 8,000 metered taps. The sponsor has just hired the Engineer for the project and design work will begin shortly.

- 27. PROJECT: Casper Zone II 2015**  
**LEVEL: III**  
**SPONSOR: City of Casper**  
**LOCATION: Natrona County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 16,425 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. In 2015, the Legislature appropriated \$1,728,600 grant funding for the project.

The project involves installing additional 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 City has hired an engineering consultant and the project is currently in design. The project is anticipated to go to construction in 2018.

- 28. PROJECT: Casper Zone 3 Improvements**  
**LEVEL: III**  
**SPONSOR: City of Casper**  
**LOCATION: Natrona County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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*

\*67% grant, 33% loan

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 project is currently in construction.

29. **PROJECT:** Central Wyoming Regional Elevated Tank  
**LEVEL:** III  
**SPONSOR:** Central Wyoming Regional Water System JPB  
**LOCATION:** Natrona County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	75	2005	I	\$ 200,000	2007
Level III	100	2014	II	\$ 1,648,200	2019*

\*67% grant

PROJECT INFORMATION:

The Central Wyoming Regional Water System (Regional) was formed in 1993 for the purpose of providing a centralized water supply/treatment and transmission system to the central Wyoming area. Financing from the Wyoming Water Development Commission and a loan from the Permanent Mineral Trust fund was used for construction of a water treatment plant, well fields and regional transmission pipelines which were completed in 2001. The Regional System obtains its water through a series of wells constructed in the North Platte River alluvium.

This project is part of the Casper area’s efforts to systematically improve its water supply system in accordance with the 2006 Level I Casper Water Master Plan. This project involves construction of a new water storage tank to replace a 35 year old water storage tank at higher elevation to provide proper water pressure as recommended in the 2006 Water Master Plan. The project is currently in construction.

30. **PROJECT:** Cheyenne Southern Pipeline - Phase III  
**LEVEL:** III  
**SPONSOR:** City of Cheyenne – Board of Public Utilities  
**LOCATION:** Laramie County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	I	\$ 1,206,000	2019*
Level III	55	2016	I	\$ 10,720,000	2019†

\* 67% grant only for design

† 67% grant for construction. The 2014 appropriation of \$1,206,000 was increased by \$9,514,000 to \$10,720,000.

PROJECT INFORMATION:

In 2003, the City of Cheyenne completed a Water and Wastewater Master Plan to outline system improvements that are needed for reliable and adequate water services for 10 to 50 years in the future (2012 through 2052). The master plan also provided a 10-year capital improvement and financing plan. Included in the recommended improvements was the need to construct a Southern

Water Transmission Line (42"/40") from the storage reservoirs at the Sherard Water Treatment plant west of Cheyenne on Happy Jack Road to and across areas on the southern portion of Cheyenne.

Under Phase I of the Southern Water Transmission Project, the Cheyenne Board of Public Utilities (BOPU) extended a 42 - inch line from the Sherard Water Treatment Plant 13,200 feet eastward along Happy Jack Road to the intersection of Happy Jack Road with Round Top Road with financing provided by a loan from the Wyoming Drinking Water State Revolving Loan Program.

Under Phase II of the Southern Water Transmission Project, the BOPU is constructed 11.5 miles of transmission main ranging in size from 42 - inch to 12 - inch. The route of the Phase II extends 3 miles south from the end of the Phase I project, then approximately 4 miles east crossing Interstate I-25 ending at Walterscheid Blvd. Water lines also extend 2.5 miles north on Parsley Blvd. and 2 miles north on Walterscheid Blvd. to Fox Farm Rd. Extensions along Parsley and Walterscheid Boulevards also connect the Southern Water Transmission Main into the City's water system near the downtown. This project also includes a pump station in order to improve flows from the pipeline because the current hydraulic grade line is insufficient to fill the existing water storage tank that serves the developable area.

Phase III of the Southern Water Transmission Project includes construction of 6.1 miles of water main ranging in size from 36 - inch to 12 - inch. Phase III will begin where the Phase II pipeline ends, continue east along the Wallick Road alignment as a 36 - inch pipeline. The proposed pipeline will cross U.S. 85, run past the LCCC campus and then turn north as 16 - inch pipeline, connecting back into the existing water system near I-80. The design is complete and the project is under construction.

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

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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	2018

**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 concept 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 minimum 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. Initial results are positive and a geologic data report is being completed on the materials laboratory testing. Furthermore, geotechnical analysis of foundation treatment and embankment design has been initiated. This analysis will impact exterior dimension and internal structure of the embankment and will provide the basis for estimating construction costs. Should the geotechnical, preliminary design and cost results prove to be favorable, environmental analysis and associated field work at the site will be completed. Additional work could include 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.

32. **PROJECT:** Clearmont Test Well Study  
**LEVEL:** II  
**SPONSOR:** Town of Clearmont  
**LOCATION:** Sheridan County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	85	2007	I	\$ 75,000	2009
Level II	168	2015	I	\$ 750,000	2018

**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. The wells are more than 35 years old and thus may be approaching the end of their useful lives.

With both wells currently online and available, the Town has a sufficient water supply. However, in the event that Well #2 for whatever reason 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 Water Supply Study to begin the process of conducting a well siting study and drilling an exploratory test well to replace Well #1.

A test/production well (Clearmont No. 3) was drilled and completed to a depth of 1,626 feet in April 2016. The well penetrated into the Tongue River Member of the Paleocene-age Fort Union Formation. Although the well yields 120 gpm, the water quality is considered marginal, being of lower quality than the two existing Town wells. At the Clearmont No. 3 well site, the thickness of the alluvial deposits was approximately 70 feet instead of the usual 25 feet thick in the area.

In June 2017, it was approved to attempt constructing a second test well in the alluvial deposits at this first test well site. During July to August 2017, a second, shallow, test well (Clearmont Alluvial Well) was drilled and constructed into the Quaternary-age, alluvial deposits to a depth of 70 feet. The test well was pumped at 15 gpm and yielded very poor quality water during a limited pumping test. The produced water was determined to be unsuitable for drinking water use without treatment and with a total dissolved solids (TDS) content of approximately 7,620 milligrams per liter, including high levels of sodium, magnesium, manganese, nitrate, and sulfate. The final project report is scheduled for completion in early 2018.

- 33. PROJECT: Cody Canal Laterals**  
**LEVEL: II**  
**SPONSOR: Cody Canal Irrigation District**  
**LOCATION: Park County**  
**PROGRAM: Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	75	2005	II	\$ 250,000	2006
Level III	121	2007	II	\$ 125,000	2012
Level II	85	2007	I	\$ 75,000	2008
Level III	75	2008	II	\$ 1,250,000	2012
Level II	33	2008	II	\$ 200,000	2010
Level III	63	2011	II	\$ 50,000	2016
Level III	63	2011	II	\$ 223,000	2016
Level III	141	2013	II	\$ 144,000	2018
Level III	65	2017	II	\$ 180,000	2020

**PROJECT INFORMATION:**

The Cody Canal Irrigation District has faced many challenges as formerly irrigated lands are being converted to housing and other developments. There are several open ditch laterals running through and around the Town of Cody that provide Cody’s raw water supply to yards and parks, and supply pastures and agricultural operations. With continued development it has become a challenge to maintain open ditches in urban areas, and public safety is a concern as there are children playing in the laterals. The potential for piping laterals to improve safety also has a water conservation element important to the District. The District asked for a Level II Feasibility study to analyze the feasibility of piping the laterals throughout their system. The goal of the study is to identify and prioritize converting open laterals to pipe to improve safety, conserve water, and decrease maintenance issues. The project is progressing and will be ongoing during 2018, with a final report expected September, 2018.



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

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 remaining project funds will be provided by the Sponsor. During 2017, the Sponsor secured the services of an engineer and initiated the design process.

35. **PROJECT:** Cokeville Tri-Diversion Structure  
**LEVEL:** III  
**SPONSOR:** Cokeville Watershed Improvement District  
**LOCATION:** Lincoln County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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*

\*67% grant, 33% Loan

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 appropriation included \$268,000 in grant funding and \$132,000 in loan funding. Currently, the District is pursuing grant funding from other agencies 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 has secured additional funding. They are in the process of meeting the loan requirements. The project is expected to enter the design phase by January, 2018.

- 36. PROJECT: Cottonwood/Grass Creek Storage**  
**LEVEL: II**  
**SPONSOR: Cottonwood/Grass Creek Watershed Improvement District**  
**LOCATION: Hot Springs County**  
**PROGRAM: Dams and Reservoirs**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	99	2006	II	\$ 300,000	2007
Level II	33	2008	III	\$ 250,000	2010
Level II	1	2011	III	\$ 130,000	2013
Level II	66	2013	III	\$ 70,000	2015
Level II	74	2014	III	\$ 101,000	2017

**PROJECT INFORMATION:**

A Level I Watershed Study, entitled Cottonwood/Grass Creek Watershed Management Plan was completed in 2007. The Level I study included spreadsheet modeling of surface water flows and late season irrigation water shortages within the Cottonwood and Grass Creek drainages which indicated surplus water is available that may be stored in reservoirs. Storage would address much of the identified irrigation shortages.

At the conclusion of the Level I study, preliminary hydrologic evaluations were prepared for four possible dam and reservoir locations in the two drainages. During the 2008 Budget Session, the Legislature appropriated \$250,000 to fund a Level II, Phase I Storage Feasibility Study to further define storage opportunities and to conduct a more robust hydrologic analysis to further identify irrigation shortages. This Level II, Phase I Study also included compiling a purpose and need statement that could easily be incorporated in a National Environmental Policy Act (NEPA) analysis; identification of secondary benefits (recreational, industrial and/or environmental uses); a limited geotechnical analysis consisting of bore holes and backhoe test pits; and an economic analysis. The Level II, Phase I Study was completed in 2010. The report concluded that a 5,000 acre-foot expansion of Wale’s Reservoir was the most feasible alternative. The report also identified technical, water quality and permitting issues that needed further study.

During the 2011 General Session, additional funding was requested and received to further develop the design and cost estimates for the project. Work included analyzing the potential for water quality improvements, conducting a wetland delineation, updating hydrologic modeling with temporary stream gauging, development of environmental mitigation, and refinement of economics. Due to the unrepresentative stream flow data collected in 2012 because of the extremely low water year, it was determined that additional data needed to be gathered. During the 2013 General Session, additional funding was requested and received to gather more water quality and quantity data. The data collected lead to modifying the reservoir diversion location. This in turn raised questions about high levels of naturally occurring water-quality constituents at the

revised location. Additional water quality monitoring, permitting requirement investigation, and diversion design was needed. During the 2014 Budget Session, an additional appropriation was received to refine information on the project to a level where a decision could be made on whether or not to pursue permitting and final design. Data has been collected/analyzed and the Level II, Phase II Study is now complete. Project findings show the enlargement of Wales Reservoir is feasible and no fatal flaws are anticipated during a future NEPA or permitting phase of the project. The final report has been reviewed by staff and the Sponsor has been presented with project findings. The Sponsor has considered the economic feasibility of the project, and in a letter sent to the WWDO dated February 27, 2017 the Sponsor noted that the proposed project costs for the amount of benefit under current conditions is too great, and without commitment from enough local stakeholders, their District cannot move forward with the Wales Reservoir Enlargement project at this time. However, if conditions change in the future they may be interested in pursuing the project then.

37. **PROJECT:** Cottonwood Irrigation District Master Plan  
**LEVEL:** I  
**SPONSOR:** Cottonwood Irrigation District  
**LOCATION:** Lincoln County  
**PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	75	2005	II	\$ 100,000	2006
Level II	85	2007	II	\$ 80,000	2009
Level II	32	2010	II	\$ 290,000	2013
Level III	141	2013	II	\$ 3,700,000	2020
Level I	38	2016	II	\$ 165,000	2019

**PROJECT INFORMATION:**

The Cottonwood Irrigation District received funding for a Level I Master Plan Study in 2016, to inventory and assess the system, investigate conveyance losses by checking sections of pipe for leaks and making recommendations relative to the prioritization of pipe sections to be replaced, investigate other needed system upgrades, and develop cost estimates and schedules for upgrading their system. The system was installed in the early '70's as a pressurized gravity flow system. The steel pipe has started to rust in the high clay areas of the system requiring multiple repairs at increasing costs. The project which began in July, 2016 has been completed and the final report has been turned in. The study identified and recommended the following:

- Twelve individual projects
  - Replace steel pipes used in areas of corrosive soils
  - Replace pipes along specific laterals that serve as a system backbone
  - Improve the system's intake to improve filtering gravels and sands from entering the system
- Continue to identify above ground leakage or over usage and enforce a repair/maintenance policy
- Increase assessments to create funds for maintenance and/or a large capital replacement project
- Pursue project funding from the WWDC and/or other funding sources

The study also evaluated the potential for hydroelectric development and found three locations where hydropower generation was possible; however, the rate the power companies are currently

paying for the power, around \$0.03/Kwh, was not sufficient to make a project feasible at this time. Information from the study is being used by the District to support a Level III construction funding request to replace pipe within the district's corrosive soil areas which also serve as a backbone to parts of the system.

- 38. PROJECT: Cowley Tank 2017**  
**LEVEL: III**  
**SPONSOR: Town of Cowley**  
**LOCATION: Town of Cowley, Big Horn County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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, inadequate 200,000 gallon tank and replacing 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 is currently in design with construction anticipated in 2019.

- 39. PROJECT: Deaver Irrigation District Flume Replacement/Laterals 2017**  
**LEVEL: III**  
**SPONSOR: Deaver Irrigation District**  
**LOCATION: Park and Bighorn Counties**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	168	2015	II	\$ 162,000	2018
Level III	75	2017	II	\$ 91,000	2022*

\* 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 2017 Legislature for a materials only project consisting of three of the smaller high priority projects identified in the Master Plan.

The D-23 flume was constructed in the 1960's and serves approximately 372 acres. The wood in the D-23 flume structure has deteriorated, and the steel channel that carries the water is severely corroded. In many places the steel liner is only sealed by the poly liner that was installed in the 1990's. The district plans to replace the flume with an inverted siphon. Design of this structure has begun with construction anticipated to be complete prior to the 2018 irrigation season.

The remaining two project components are Laterals D44 – 9 & 10. Conversion of the D44 lateral from open canal to pipe began in the 1980's. The project was completed up to turnout box #9. The district plans to replace the box with a new spillway main box, two attached weir boxes to serve the two turnouts and place the remaining 2000 feet of open lateral into buried pipe. This would fully complete the D44 lateral. It's the district's intention to construct these two project components in the fall of 2018 and complete the entire project by 2019.

- 40. PROJECT: Deaver Rehabilitation 2009**  
**LEVEL: III**  
**SPONSOR: Deaver Irrigation District**  
**LOCATION: Park and Big Horn Counties**  
**PROGRAM: Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	86	2001	II	\$ 100,000	2002
Level III	38	2009	II	\$ 673,000	2014*
Level III	63	2011	II	\$ 350,000	2015**
Level III	23	2015	II	\$ 0	2017***

\* 100% grant for invoiced materials. The sponsor is responsible for all other project costs.  
 \*\* Appropriation increase and time extension from July 1, 2014 to July 1, 2015  
 \*\*\* Time extension from July 1, 2015 to July 1, 2017.

**PROJECT INFORMATION:**

The WWDC has systematically provided funding to the Deaver Irrigation District to complete the rehabilitation projects identified in the 2002 Level II study. The District is making a concerted effort to rehabilitate its water delivery system. The 2009 project replaced open ditches with pipe on Laterals D56-1, 196F, and D56-64. The additional funds appropriated in 2011 replaced open ditches with pipe on Laterals 189F and D113. In addition, the District replaced open ditches with pipe on Laterals 158F and D56-1 extended, and replaced eight farm turnout headgate assemblies.

The project funds from WWDC were used to purchase invoiced materials and the sponsor funded the engineering, land rights, and permits, and provided labor, equipment, and other resources necessary to construct the project. The sponsor completed construction of the entire project in 2017.

- 41. PROJECT: Deaver Transmission Pipeline**  
**LEVEL: III**  
**SPONSOR: Town of Deaver**  
**LOCATION: Big Horn County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

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

\* 67% grant  
 \*\* Sponsor's Contingency Fund, 67% grant

**PROJECT INFORMATION:**

Transmission line replacement is 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 line project that serves approximately 120 potable water taps. The WWDC appropriation is 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.

The project is in construction anticipated in the summer of 2018. Completion of this project will result in reduced pipeline maintenance, more reliability in delivering water, and increased fire flow.

- 42. **PROJECT:** Douglas Box Elder Spring
- LEVEL:** III
- SPONSOR:** City of Douglas
- LOCATION:** Converse County
- PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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†

\*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.

**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 is underway with construction anticipated to start in early 2018.

43. **PROJECT:** Douglas Test Well Study  
**LEVEL:** II  
**SPONSOR:** City of Douglas  
**LOCATION:** Converse County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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.

The feasibility study, which includes test well drilling, began in June 2017 with a comprehensive well siting exercise by the Consultant. The top ranked site will be selected in concert with the sponsor and the WWDO project manager, to be followed by site access and permitting prior to soliciting bids for drilling. The project will be ongoing during 2018.

44. **PROJECT:** Dry Creek Irrigation District Pipeline Replacement 2017  
**LEVEL:** Level III  
**SPONSOR:** Dry Creek Irrigation District  
**LOCATION:** Lincoln County  
**PROGRAM:** Rehabilitation

EXISTING LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	168	2015	II	\$ 150,000	2018
Level III	75	2017	II	\$ 670,000	2022*

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 steel lines. Inspection and condition assessment completed as part of the Master Planning effort suggests all of the 19 miles of steel lines 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 at once, the master planning included prioritization of pipe segments so that the District could accomplish a phased replacement based on affordability of rates.

This project will Replace 5,455 linear feet of 16” and 14” pipeline with new HDPE DR 13.5 pipe. This replacement will begin at the connection between LN-5 and LN-5b and terminate 5455 feet to the west at the Salt River. 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 pipe to minimize the cost of asphalt replacement. The existing drain will be replaced at the terminal end of the line to allow for discharge to the Salt River and drainage of the pipeline into an adjacent gravel drain area.

The District is currently assembling the loan documentation required by the WWDC project agreement. The District has hired a consulting engineer to design the project with construction anticipated in 2018.

- 45. PROJECT: Dull Knife Reservoir Spillway Rehabilitation**  
**LEVEL:** III  
**SPONSOR:** Dull Knife Irrigation District  
**LOCATION:** Johnson County  
**PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	23	2015	II	\$ 1,715,000	2020*
Level III	105	2006	II	\$ 73,850	2020**

\*35% grant

\*\*35% grant, Sponsor's Contingency Fund (2017)

**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 will need to be added to 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 project is anticipated to go to construction in 2018.

- 46. 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:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 design is complete for all portions of the project with the exception of a powerline where the District is negotiating an easement.

- 47. **PROJECT:**                   **Eden Valley Farson Lateral Rehabilitation**
- LEVEL:**                           **III**
- SPONSOR:**                   **Eden Valley Irrigation and Drainage District**
- LOCATION:**                   **Sweetwater County**
- PROGRAM:**                   **Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	141	2013	II	\$ 233,500	2018*
Level III	23	2015	II	\$ 2,366,000	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.

**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. Currently, EVIDD is targeting a Fall-Winter 2018-2019 construction season.

- 48. **PROJECT:**                   **Eden Valley Irrigation District Master Plan**
- LEVEL:**                           **I**
- SPONSOR:**                   **Eden Valley Irrigation and Drainage District**
- LOCATION:**                   **Sublette and Sweetwater Counties**
- PROGRAM:**                   **Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	147	2005	II	\$ 1,508,000*	2010
Level III	38	2009	II	\$ 6,580,000*	2014
Level I	66	2009	III	\$ 100,000	2014
Level III	63	2011	II	\$ 1,713,000*	2016
Level II	1	2011	III	\$ 300,000	2014
Level III	141	2013	II	\$ 233,500	2018
Level III	141	2013	II	\$ 1,327,500**	2018
Level III	23	2015	II	\$ 2,132,500	2020
Level III	168	2015	III	\$ 2,000,000	2018
Level I	38	2016	II	\$ 195,000	2019

\*50% grant

\*\*55.07% grant; the 2009 appropriation of \$6,580,000 was increased to \$7,907,000.

PROJECT INFORMATION:

The Eden Valley Irrigation and Drainage District (EVIDD) requested funding for a Level I Master Plan to inventory and assess their system, investigate piping and/or lining canals and laterals that have not yet been piped or lined, incorporate the entire system into SCADA, replace the sand trap, and evaluate the outlet works at the diversion. This Master Plan would bring all of the work together that has previously been completed and allow EVIDD to identify and prioritize remaining capital improvement projects. This Master Plan will also put the District in a position to leverage federal funding from the Colorado River Basin Wide Salinity Control Program as well as other federal funding sources.

The Eden Valley Irrigation and Drainage District (EVIDD) is located in the Green River Basin near Farson, WY. The majority of the District lies in Sweetwater County with a portion also located in Sublette County. The District has direct flow rights out of the Big Sandy and Little Sandy Rivers, both tributary to the Green River as well as storage rights in Big Sandy Reservoir and Eden Reservoir. The EVIDD irrigation system has two main canals, the Eden Canal and the West Side Lateral. These two main canals in turn feed over eighty-seven miles of canals and laterals irrigating 16,850 acres of land. There are 125 landowners served by the system.

The project consultant held a kickoff meeting in September 8, 2016 in Farson with the Eden Valley Irrigation and Drainage District (EVIDD) Board members and staff. At this meeting, the various tasks under this project were reviewed. Meetings with the EVIDD Board, staff and landowners continued throughout the course of the study.

The Level I study commenced in September 2016 in an attempt to achieve the following:

- Understand and prioritize opportunities for upgrades including repairs, replacements, and modernization of the system moving forward.
- Identify potential for delivery system and on-farm conservation opportunities.
- Better understand current operations including water appropriation, water rights, and a determination of conveyance losses.
- Inventory existing structures associated with the delivery system.
- Identify the potential to automate structures within the delivery system.
- Develop a Geographic Information System (GIS) which would include the main canals, laterals, and structures within the delivery system

- Prepare a strategic approach to pursuing available funding for prioritized projects identified within the Master Plan

The following topics were covered in the master plan:

- Background information concerning the District
- Water right information for the District
- Structure inventory and assessment
- Current system operations, irrigation efficiency analysis and SCADA integration
- Rehabilitation, modernization, and management plan
- Concept level designs and cost estimates
- Economic analysis and project funding
- Geographic Information System (GIS)

A final draft report presentation was held at the Eden Valley Irrigation and Drainage District Office in Farson on August 10, 2017.

- 49. PROJECT: Eden Valley Rehabilitation 2009**  
**LEVEL: III**  
**SPONSOR: Eden Valley Irrigation and Drainage District**  
**LOCATION: Sweetwater County**  
**PROGRAM: Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	38	2009	II	\$ 6,580,000	2014*
Level III	141	2013	II	\$ 1,327,000	2018**

\*50% grant

\*\*55.07% grant; the 2009 appropriation of \$6,580,000 was increased to \$7,907,000 and the reversion date extended to 2018.

**PROJECT INFORMATION:**

In 2009, the Eden Valley Irrigation and Drainage District (EVIDD) secured funding with WWDC and the Bureau of Reclamation Salinity Control Program (SCP) to convert three laterals within their district from open ditch to pipe (Phase I). This first phase of an overall project intended to reduce the salt load to the Colorado River Basin by approximately 6,600 tons annually. Lateral seepage, estimated to be as high as 50%, was contributing to the salt loading issue. Phase I construction commenced in fall 2007, and was completed in spring 2010.

During 2009 and 2010, Phase II was implemented utilizing an American Recovery and Reinvestment Act (Federal Stimulus) grant to replace open ditch lateral M-1 with HDPE pipe.

During 2008, EVIDD secured additional funding (Phase III) from the SCP in the amount of \$6,580,000 to replace four existing earth lined laterals with approximately 95,000 lineal feet of pipe. Phase III funding is a SCP grant (50%) matched by WWDC funding. Phase III includes installation of new turnout structures, lateral diversion structures with trash cleaning capabilities, and a Supervisory Control and Data Acquisition (SCADA) system to control and monitor flows at the diversion headgates. A consulting engineer was hired in 2009 to perform design, bidding, and construction management of Phase III lateral work with construction that followed during irrigation off-seasons in 2009, 2010, 2011, and 2012. A construction contract for Lateral E-13 was awarded in November 2009 with work completed in November 2010. A contract for Laterals E-7 and E-8 was awarded in December 2010 and was completed in November 2011. The upper half of the final

lateral (West Side Lateral) was bid and contracted in late 2011 with a completion date of early Spring 2012. In 2011, HDPE and PVC pipe resins costs increased by 25%. The construction of the lower half of the West Side Lateral was not feasible due to WWDC budget constraints. Pipe leakage of the upper West Side Lateral resulted in temporary repairs, which sufficed to provide irrigation flows through the summer of 2012. In October 2012, final repairs, in addition to hydrostatic testing, were completed on the upper West Side Lateral. Repairs on portions of the upper West Side Lateral were completed in fall 2013. Phase III will be considered complete when the new pipeline delivers water for a complete irrigation season without leakage.

During 2012, the WWDC recommended an additional appropriation of \$1,327,000 for the Eden Valley Rehabilitation 2009 Project. The proposed financing plan provided a 55.07% grant with the sponsor responsible for the remainder of project costs. A grant for the remaining 44.93% was secured with the SCP. The project was substantially completed in 2014.

The Sponsor, Contractor and Engineer are working towards a solution to the Phase III portion of the project to ensure no on-going pipeline leakage.

50. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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***

\*2008 reverted back to WWDC

\*\*50% grant, 50% sponsor

\*\*\*Time extension only

PROJECT INFORMATION:

The Ethete area water system (operated by Northern Arapaho Utilities) relies solely upon highly variable (in both quantity and quality) surface water diverted from the Little Wind River. Low flows, due to irrigation demands in the summer and natural low flows in the winter often leave Arapaho Utilities 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 valley of the Little Wind River.

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 project is currently under design

- 51. **PROJECT:** **Evansville Emergency Construction**
- LEVEL:** III
- SPONSOR:** Town of Evansville
- LOCATION:** Natrona County
- PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	33	2008	I	\$ 150,000	2010
Level II	32	2010	I	\$ 100,000	2013*
Level III	141	2013	I	\$ 141,370	2018**
Level III	105	2017	I	\$ 31,170	2018†

\*Funds reverted at the request of the Town of Evansville

\*\*67% grant

†Sponsor’s Contingency Fund, 67% grant

**PROJECT INFORMATION:**

Based on the results of the 2009 Water Master Plan (Level I Study), the Town of Evansville requested funding to provide a connection to the City of Casper water system in the event of an emergency. The project would install an emergency connection to the Scott Hill Tank via a pipeline connected to a City of Casper transmission line at East 2<sup>nd</sup> Street. Due to differences in the current disinfection treatment methods between the two systems, chlorination equipment and a tank mixer will be required at the Scott Hill Tank.

The WWDC recommended the project be incorporated at Level III status into the New Development program with an appropriation of \$141,370. The recommended financing plan included a 67% grant for eligible components. The Sponsor is responsible for the remaining 33%

and all non-eligible components. The design is complete and the project has been bid. Construction will commence in November 2017.

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

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	38	2016	I	\$ 200,000	2019

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 Seedskaadee Project, the facility regulates Green River flows and stores water that is currently used for power generation, municipal and industrial purposes, fish and wildlife, and recreation. Irrigation is also a permitted use, but is currently not 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.*

This project, which was approved by the Legislature during the 2016 Budget Session, is analyzing 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 is investigating 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 is identifying potential environmental impacts and benefits that would result from project implementation. The project is considering 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. One option is to utilize the storage to mitigate a Colorado River curtailment scenario and, perhaps, offset a

curtailment of consumptive use in Wyoming. Another potential future use of the water would be for the water to be used as “system water” to avoid a potential curtailment order on the Colorado River system.

A key component of the project is 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 have been included in initial meetings to facilitate project development and ensure collaboration. This project is underway with a final report expected in early 2018.

53. **PROJECT:** Fox Ridge Extension Master Plan/Gillette Regional  
**LEVEL:** II  
**SPONSOR:** Fox Ridge Subdivision Improvement and Service District  
**LOCATION:** Campbell County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	38	2016	I	\$ 130,000	2019

PROJECT INFORMATION:

The Fox Ridge Improvement and Service District is located about 5 miles South of Gillette just West of Highway 50 in Campbell County located in northeast Wyoming. In anticipation of connecting to the Gillette Regional Water System, in 2015 the sponsor requested an analysis of their District’s existing water system. Some of the tasks that were completed in the Level II Master Plan are listed below:

- Inventoried, mapped, and evaluated the existing water system infrastructure and district boundaries, identified deficiencies, and provided a more efficient mapping system;
- Prepared a hydraulic model to simulate and evaluate system operations prior to and after connection to the regional system; assessed demands and potential fire flows; helped identify improvements needed to accommodate future growth; and, ascertained service limits (# of taps);
- Identified, prioritized, and prepared conceptual-level designs and cost estimates for capital improvement projects needed to facilitate regional connection and other improvements along with a corresponding schedule; and,
- Reviewed the sponsor’s water rate schedule and prepared a financial plan for system improvements.

The Fox Ridge ISD has only one well and they have had to replace the pump several times in the last few years. As a result they are planning on a connection to the Gillette Regional Water System. Fox Ridge understands the importance of this long term plan, and they are working with the WWDO in the completion of this important project. The project was completed on time and on budget this past year.

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

**EXISTING AND PRIOR LEGISLATION:**

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

\*33% funding from the Campbell County Capital Facilities Tax

\*\*Time extension only (2017)

† Time extension from July 1, 2017 to July 1, 2020

**PROJECT INFORMATION:**

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. Pipeline Segment 3, approximately 5 miles of 36-inch pipe, and Pipeline Segment 4a, approximately 10 miles of 42-inch pipe, were completed in July 2014. Construction of Contract - 4b, c, d & f, approximately 22 miles of 42-inch pipeline between the Moorcroft and the Donkey Creek Pump Station, is complete. Additionally, the Pine Ridge Disinfection Facility, Donkey Creek Pump Station, and Pine Ridge storage tank are complete. Contract 4e – approximately 11 miles of 42-inch pipeline between Moorcroft and the Pine Ridge Disinfection Facility and the Madison Formation production wells is substantially complete.

Projects currently under construction include Contract 4a – 3 new Madison production wells, Contract 4e - Well field electrical distribution system, Contract 2b – Well field piping, pumps and equipment and Contact 8 – 18-inch blending pipeline between Pump Station No. 1 and WYODAK. The City of Gillette anticipates completion of all ongoing construction projects in 2018.

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

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	88	2008	I	\$ 350,000	2011
Level III	14	2012	I	\$ 703,500	2017*
Level III	141	2013	I	\$ 6,197,500	2018**
Level III	100	2014	I	\$ 6,432,000	2018†

\*67% grant only.

\*\*The 2012 appropriation of \$703,500 was increased by \$5,494,000 to \$6,197,500 and the reversion date was changed from July 1, 2017 to July 1, 2018.

† The 2014 total appropriation of \$6,197,500 was increased by replaced \$234,500 to \$6,432,000.

**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 extensions projects at approximately \$60M. The City of Gillette, in consultation with Campbell County, prioritized the extensions based on the water supply needs of the rural districts and the interest of those districts to connect to the regional system. The highest

priority, Priority I, projects identified in the Gillette Regional Master Plan included constructing three (3) extensions to serve eight (8) rural water districts including Antelope Valley business Park Improvement & Service District, Antelope Valley Improvement & Service District, Pinnacle heights Improvement & Service District, Bennor Estates Improvement & Service District, Overbrook Improvement & Service District, Rafter D Homeowner’s Association, Spring Hill Ranch Improvement & Service District and Cook Road Water District.

In 2012, the Legislature appropriated funding for the Gillette Regional Extensions project. The \$703,500 appropriation included a budget for the project design, permitting and land acquisition.

In 2013, the Legislature appropriated an additional \$5,494,000 to construct the project.

In 2013, the City of Gillette requested additional Level III funding to design and construct the Force Road Joint Powers Board connection to the Regional System. In 2014, the Legislature approved the request and appropriated \$234,500 to the Gillette Regional Extensions project to facilitate construction of the Force Road connection to the regional water system.

The Gillette Regional Extension project is currently under construction and is anticipated to be completed before the July 1, 2018 reversion date.

- 56. PROJECT: Gillette Regional Extensions – Phase II**  
**LEVEL: III**  
**SPONSOR: City of Gillette**  
**LOCATION: Campbell County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 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 construct the project.

This Gillette Regional Extension Phase II project is currently in the design phase, the City of Gillette anticipates bidding the project in 2018.

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

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	88	2008	I	\$ 350,000	2011
Level III	75	2017	I	\$ 361,800	2022*

\*67% grant only.

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.

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.

The City of Gillette is currently in the process of selecting a consulting engineer to design the project. The project is anticipated to move to construction in 2019.

58. **PROJECT:** **Glendo Reservoir Full Utilization Project**  
**LEVEL:** II  
**SPONSOR:** State of Wyoming  
**LOCATION:** Platte County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	38	2016	III	\$ 300,000	2019

PROJECT INFORMATION:

Glendo Dam and Reservoir is located on the North Platte River in eastern Wyoming and is a 190 foot tall dam 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 1945 and a significant portion of the reservoir storage space is reserved for flood control. 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. This study has 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 is working 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 to determine incremental impacts to the State Park’s operation and infrastructure. The general public has been made aware of the project and initial feedback received. A reservoir modeling strategy has been developed for the project to determine limiting factors and acceptable levels of risk for managing agencies. When complete, the project will ultimately seek to propose a feasible level of re-timing of flood pool releases. A summary of project benefits, mitigation requirements, costs, and permits required to modify or work within the Glendo Water Control Manual to implement the proposed changes will be provided in the project report, including a discussion of the anticipated level of NEPA analysis required. The anticipated completion date of the project report is spring 2018, or earlier depending on interagency comments. Coordination with key stakeholders, irrigation districts, and water users in Wyoming and Nebraska will continue as the project nears completion.

59. **PROJECT:** Glenrock Transmission Pipeline 2017  
**LEVEL:** III  
**SPONSOR:** Town of Glenrock  
**LOCATION:** Converse  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	66	2009	I	\$ 150,000	2010
Level III	100	2014	I	\$ 381,900	2019*
Level III	75	2017	I	\$ 254,600	2022*

\*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. This pipeline will 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 T15 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. This is due to the Town's systematic infrastructure replacement and the available funds to cover the ineligible items (storm sewer, sanitary sewer, curb and gutter, etc.). The Town has the necessary funds available for the eligible and non-eligible items.

In 2014, the Town received a Level III New Development project with an appropriation of \$381,900 (67% grant). The Town secured the services of Engineer and initiated the design and easement documentation/acquisition process for the project, and in 2015, the project was successfully bid and awarded. The project construction took place during the summer of 2015 and progressed in a timely manner. The project has reached final completion and was finalized in 2016.

In the fall of 2016, the Town requested additional funding to extend the transmission main that was identified in the Level I Master Plan and constructed in 2014. The purpose of the extension is to provide a reliable water source to the northern portion of the Town.

The Town received 2017 appropriation in the amount of \$254,600 to continue the construction of the T15 transmission pipeline identified in the Glenrock Master Plan Level I study. The design was completed prior to appropriation and construction began in summer 2017.

60. **PROJECT:** Goose Creek Watershed Study  
**LEVEL:** I  
**SPONSOR:** Sheridan County Conservation District  
**LOCATION:** Sheridan and Johnson Counties  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	38	2016	I	\$ 375,000	2019

PROJECT INFORMATION:

The Sheridan County Conservation District requests a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification of rivers and streams. This information would provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage including enlargement of existing water storage facilities, irrigation diversion/conveyance systems, upland livestock/wildlife water management and rehabilitation plans are also of interest.

The Goose Creek watershed, located primarily in Sheridan County, covers approximately 265,766 acres. Land ownership in the watershed is private (~54%), federal (~44%) and state (~3.5%). The Goose Creek Watershed includes the subwatersheds of Goose Creek, Little Goose Creek and Big Goose Creek. There are approximately 380 miles of perennial streams which include the primary tributaries of Soldier Creek, Beaver Creek, Park Creek, Rapid Creek, McCormick Creek, Kruse Creek, Jackson Creek and Sackett Creek. Bighorn Reservoir, Park Reservoir, Cross Creek Reservoir, Dome Lake and Sawmill Lakes are storage facilities located in the watershed as well as numerous smaller surface water impoundments used for irrigation and stock water.

This study will develop 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 will be incorporated into development, rehabilitation, and management plans complete with cost estimates for potential future project activities.

The project consultant held a kickoff meeting in Sheridan in July, 2016 to gather input from landowners, discuss opportunities for projects to be included in the watershed study as well as discuss any funding assistance that could be available. Meetings with landowners will continue throughout the course of this study. This project will be ongoing during 2017 with completion scheduled for December, 2017.

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

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	23	2015	II	\$ 449,570	2020*

\*\*67% grant

**PROJECT INFORMATION:**

The Bureau of Reclamation has determined that the Guernsey Dam Spillway Gate is in need of 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 to be a loan from the Bureau of Reclamation. It is WWDO's understanding that the District will make one payment at the end of the project.

It appears that the project is complete, however, to date the Bureau has not submitted closeout documentation or pay requests.

62. **PROJECT:**                   **Goshen Irrigation District Rehabilitation 2013**  
**LEVEL:**                         **III**  
**SPONSOR:**                   **Goshen Irrigation District**  
**LOCATION:**                   **Goshen County**  
**PROGRAM:**                   **Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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*

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

**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 2009, the District received a materials only grant of \$1,200,000 to complete the Springer Main, Table Mountain and Horse Creek lateral ditch to pipeline rehabilitation. Construction of the Springer Main was completed in 2010. The Table Mountain Lateral construction was completed in-early 2011 and the Horse Creek lateral was completed in-late 2011. These projects are working as intended and the project appropriation has been closed out.

The District identified the remaining portion of the Table Mountain Lateral and Check Structure 45.1 as its next rehabilitation project. In 2011, the District received Level III funding as a materials only grant for \$1,100,000 for the remaining portion of the Table Mountain Lateral and Check Structure 45.1. Construction for these projects took place during 2012 and 2013. The projects were

completed in 2013. These projects are working as intended and the project appropriation has been closed out.

In 2013, the District received \$1,400,000 in grant funds to finance 100% of invoiced materials for three project components. These projects include: Main Canal Lateral 45.1, East Springer Main Lateral 7.0, and Tunnel No. 1 outlet floor. Both lateral projects are open ditches that will be replaced with buried pipelines. The reinforced concrete floor of the outlet of Tunnel No. 1 has eroded over time and is breaking up in places. The floor of Tunnel No. 1 will be removed and replaced with a new reinforced concrete.

During 2013, the District was able to design, acquire the necessary easements and successfully bid the Main Canal Lateral 45.1 and Tunnel No. 1. Construction on Main Canal Lateral 45.1 has progressed accordingly and was completed in 2014. Construction for Tunnel No. 1 began in-early 2014 and was completed before the beginning of the 2014 irrigation season.

During 2014, the District determined it needed to address the 29.4 asbestos cement pipeline due to severe deterioration. The pipeline deterioration has impacted water delivery and experiences severe seepage loss. The District also needed to address debris build up on Lateral 83.6. The District was able to design, and successfully bid and award the 29.4 Pipeline replacement and the 83.6 Lateral Debris screen. The 83.6 Lateral Debris screen will assist in maintenance for the District, reduce lateral blockages and improve water flows on the Table Mountain Lateral. Construction for these projects began in-late 2014 and was completed before the 2015 irrigation season.

During 2015, the District determined it needed to replace check structure 49.5 due to its failing foundation and headwall. The project was successfully designed, bid and awarded. The project was constructed during 2015-2016. A small portion of concrete work will be completed when the 2016 irrigation season is concluded.

In 2016, the District pursued lateral 35.4 pipeline replacement due to excessive pipeline leaks. The leaks impact local farmers and leave a large portion of land unable to be farmed. The Project has been bid and construction has been completed.

- 63. PROJECT: Goshen Irrigation District Rehabilitation 2017**  
**LEVEL:** III  
**SPONSOR:** Goshen Irrigation District  
**LOCATION:** Goshen County  
**PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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*

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

**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 2017, GID received grant funds from the Rehabilitation program in the amount of \$214,000. This amount is for a 100% materials only grant of the project eligible costs. GID will cover all expenses for engineering and project construction. The funding request is to replace two buried tile pipeline laterals, 6.7 and 45.1, with PVC pipe.

During 2017, GID secured the services of engineer, designed the project and successfully bid the project. The project is anticipated to be completed during the fall-winter of 2017-2018.

- 64. PROJECT: Grace Land Extension Master Plan/Gillette Regional**  
**LEVEL: II**  
**SPONSOR: Grace Land Improvement & Service District**  
**LOCATION: Campbell County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	38	2016	I	\$105,000	2019

PROJECT INFORMATION:

The Grace Land Improvement and Service District (ISD) is located about 10 miles southeast of Gillette. The District’s current water system is supplied by ground water from the Fort Union Aquifer. A well producing 65 gpm is in use, and the water is stored in a 77,238 gallon tank. Two 5-horsepower booster pumps housed in a pump house provide 65 psi to the distribution system. Chlorination also takes place in the pump house. The sponsor contracts with a local water system operator.

The Grace Land ISD has signed a Water Service Agreement with the City of Gillette for connection to the Gillette Regional System. Prior to this study, the District did not have a formal plan in place for its water distribution system. In expectation of connecting to the regional system, this Level II study would accomplished the following in the form of a master plan: inventoried, mapped, and evaluated the existing water system infrastructure and district boundaries, identified deficiencies, and provided a more efficient mapping system; prepared a hydraulic model to simulate and evaluate system operations prior to and after connection to the regional system; assessed demands and potential fire flows; helped identify improvements needed to accommodate future growth; and, ascertained service limits; identified, prioritized, and prepared conceptual-level designs and cost estimates for capital improvement projects needed to facilitate regional connection and other improvements along with a corresponding schedule; and, reviewed the sponsor’s water rate schedule and prepared a financial plan for system improvements.

A presentation of draft results along with the Level II Public Hearing for this project was held on June 29, 2017. This study was completed on time and within budget with the final report delivered on September 1, 2017.

65. **PROJECT:** Greybull River Watershed Study  
**LEVEL:** I  
**SPONSOR:** South Big Horn Conservation District and Meeteetse Conservation District  
**LOCATION:** Big Horn and Park Counties  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	65	2017	I	\$ 1,087,500	2020*

\* The 2017 Wyoming State Legislature authorized a “block appropriation” for one or more of seven watershed studies for which applications had been received and for which the Commission was instructed to establish a prioritized list. This study was one of four prioritized and approved for funding by the Commission with a project specific budget of \$271,875.

**PROJECT INFORMATION:**

The South Big Horn Conservation District and the Meeteetse Conservation District requested a watershed study to evaluate current watershed function, irrigation diversion/conveyance systems, upland livestock/wildlife water management, and rehabilitation opportunities. Other interest include surface water storage involving potential enlargement and/or rehabilitation of existing water storage facilities, current condition of wetlands and riparian areas within the drainage, and geomorphic classification. This information would provide baseline information from which the districts can pursue implementation of best management practices that address the natural resource issues within the drainage. The South Big Horn Conservation District and the Meeteetse Conservation District have seen interest from landowners in the WWDC Small Water Project Program (SWPP). However, both districts indicated that there are multiple factors for consideration in this watershed study that go beyond the SWPP, including river migration, flooding and floodplain morphology, streamflow hydrology, wildlife, recreation, improved water quality, and economy. The districts feel it is important to pursue a Greybull River Level I Watershed Study to gain an understanding of the small water project needs within the defined study area and to bring all of the watershed information together.

This study encompasses the entire Greybull River Watershed along with the adjoining Dry Creek Watershed. Both of these drainages are located in Big Horn and Park Counties. The total study area covers approximately 1,000,000 acres which must be confirmed in the study. The watersheds includes the primary stream systems of the Greybull River upstream from Meeteetse and Dry Creek to where the Greybull River and Dry Creek confluence with the Big Horn River near Greybull. The extent of the project’s study area includes the following six HUC 10 basins: Wood River (1008000901), Upper Greybull River (1008000902), Middle Greybull River (1008000903), Lower Greybull River (1008000904), Upper Dry Creek (1008001101), and Lower Dry Creek (1008001102). The service area for the South Big Horn Conservation District includes the lower portions of Greybull River Watershed that resides in Big Horn County. The service area for the Meeteetse Conservation District includes the upper portions of the Greybull River Watershed that primarily reside in Park County.

This project was initiated with a Notice to Proceed issued on June 28, 2017. Work performed in 2017 by the consultant includes: project scoping meetings, field visits, development of geology and biology inventory, data collection, landowner communications (surveys, and mailings), evaluations

of watershed components (geology, fish, wildlife, cultural, and potable systems), field surveys of primary streams for cross-sectional parameters, and hydrologic analyses of streams. This project is on schedule and on budget with draft and final reports expected by August and November, 2018, respectively.

- 66. PROJECT: Greybull Transmission Pipeline**  
**LEVEL: III**  
**SPONSOR: Town of Greybull**  
**LOCATION: Big Horn County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	74	2014	I	\$ 200,000	2017
Level III	55	2016	I	\$ 824,100	2021*

\* 67% grant

PROJECT INFORMATION:

The Town of Greybull and Big Horn County are advancing the transfer of a 650,000 gallon fire suppression storage tank, located at the airport, to the Town’s control and use as additional municipal potable storage. The project funding is for construction of a 1.4 mile transmission pipeline connection from town to the tank. The County tank was constructed in 2008 for fire suppression at the airport but can serve that function as well as be effective storage for Greybull potable water and fire flow needs. The tank can also serve as future replacement storage for the Town’s aging (50+ yrs.) IMG East Tank. The Level II feasibility study of the tank transfer recommended this new 12” transmission line to connect the Town with the airport tank.

In 2016 the Legislature appropriated \$824,100 as 67% grant funding for this project. The sponsor has secured the balance of project funding from USDA Rural Utility Service for the \$1,277,000 project. Construction of the project began in the fall of 2017 and will be completed in 2018.

- 67. 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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**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 include 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

Field activities that have taken place during the 2017 field season at the Lower Sunshine Enlargement project area include surveying, aquatic resources investigation (field study), cultural/paleontological resources survey, and geotechnical investigation. The information gathered is currently being analyzed and will aid in refinement of designs, potential mitigation requirements, and cost estimates.

**68. PROJECT: Groundwater Studies**  
**LEVEL:** N/A  
**SPONSOR:** State of Wyoming  
**LOCATION:** Statewide  
**PROGRAM:** Special Legislation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
GW Grants	8	1981	I	\$3,000,000	N/A
GW Grants	35	1984	I	\$1,000,000	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

**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, and \$800,000 in 2005, 2008, and 2012, respectively.

- 69. PROJECT: GR-RS-SC JPWB Wind River Zone Study**  
**LEVEL: II**  
**SPONSOR: GR-RS-SC Joint Powers Water Board**  
**LOCATION: Sweetwater County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 II	168	2015	I	\$ 125,000	2018
Level II	65	2017	I	\$ 180,000	2020

\*50.5% grant

**PROJECT INFORMATION:**

In 2016, the Green River-Rock Springs-Sweetwater County Joint Powers Water Board (GR-RS-SC JPWB) requested WWDC-funding for a Level II Feasibility Study for investigating supplemental and redundant transmission/pumping capacity for the Wind River Zone in the City of Rock Springs. All supply to the northern portions of the City must travel through and be supplied by the Wind River Zone.

The need for these improvements was identified in Task 6 of the 2009 WWDC GR-RS-SC JPWB Water System Master Plan (Phase 2) Final Report. This Level II study will develop conceptual designs, cost estimates, and provide a financing/funding analysis for Level III construction for supplemental and redundant transmission/pumping and associated components. This Level II study commenced in July, 2017 and will be ongoing during 2018 with a final report to be delivered September, 2018.

70. **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

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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***

\*50.5% grant, 24.5% loan. This appropriation is replaced by the 2012 appropriation.

\*\*50.5% grant

\*\*\*Extend the reversion date from July 1, 2017 to July 1, 2018

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, settlement was observed along some of the reservoir embankments. The Joint Powers Board has hired a third party to investigate the cause of the embankment settlement and to provide repair recommendations. The Joint Powers Board has indicated that the embankment settlement report is due in late 2017.

71. **PROJECT:** Hanover ID Master Plan, Phase I & II  
**LEVEL:** I  
**SPONSOR:** Hanover/Highland Hanover Irrigation District  
**LOCATION:** Washakie County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**PROJECT INFORMATION:**

The Hanover and Highland Hanover Irrigation Districts are located in the Big Horn Basin near Worland, Washakie County, Wyoming. The Districts share diversion and conveyance facilities and both have direct flow rights from the Big Horn River and secondary supply rights from Boysen Reservoir. There are some 20,000 acres and 625 land owners served by the Districts between the towns of Kirby and Manderson.

This project will inventory and assess their transmission system, investigate conveyance losses, and identify and prioritize capital improvement projects for financial planning. Cost estimates include both a total and phased approach to construction and replacement according to a recommended rehabilitation schedule. Identification of funding assistance and an analysis of the ability to pay for the improvements to the system are part of the study. Phase I of the project is complete. The results of the Hanover Irrigation District Master Plan include \$16.9 million in projects. The Highland Hanover Irrigation District Master Plan (Phase II) will be completed in the fall of 2018.

- 72. **PROJECT:**                   **Heart Mountain Canal Rehabilitation**
- LEVEL:**                        **II**
- SPONSOR:**                   **Heart Mountain Irrigation District**
- LOCATION:**                   **Park County**
- PROGRAM:**                   **Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	34	2004	II	\$ 100,000	2008
Level II	99	2006	II	\$ 21,000	2008
Level III	75	2008	II	\$1,574,500	2013
Level III	68	2010	II	\$1,180,000*	2015
Level III	14	2012	II	\$1,665,000**	2017
Level II	66	2013	II	\$ 175,000	2016
Level II	168	2015	II	\$ 110,000	2018

\*This appropriation is replaced by the 2012 appropriation.

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

**PROJECT INFORMATION:**

The Heart Mountain Canal serves the entire Heart Mountain Irrigation District (HMID), conveying irrigation water to 33,600 acres. The canal is about 28 miles with an initial capacity of 914cfs. It begins at the inlet to the Shoshone River Siphon which spans the river below the Shoshone Canyon conduit outlet. About 140 miles of distribution laterals and 145 miles of open and closed drains also serve the District. The facility was built by the Bureau of Reclamation in the late 1940s with water deliveries starting in the early 1950s. Around 1960, the operation and maintenance was turned over to the Heart Mountain Irrigation District.

Structural failures have been occurring along a concrete section of the canal near the siphon’s outlet at the head of the canal. These failures have been further identified during a Level II master plan study (completed during 2015). Subsurface instability is suspected as the source of these failures which has highly compromised the stability of the canal. HMID has diligently performed numerous repairs along this section of the canal to keep it operational. These repairs consisted primarily of concrete slurry injections and asphalt linings. However, the efficacy of these repairs is highly uncertain. This site-specific study along this section of canal involved geotechnical explorations, engineering assessments, design, and cost estimates to more definitively identify rehabilitation or

replacement solutions. An objective of this study was to conduct geotechnical explorations into underground conditions along the canal. Ground penetrating radar, drilling, and other forms of investigation deemed necessary were utilized.

The report was finalized in July, 2016. In March, 2017, the WWDC approved a request by HMID for Contract Amendment No. 1 to provide supplemental information to the original report. The amended report consisted of additions to previous analyses and specifically focused on two cross-sectional options for canal replacement: one involving a rectangular cross-section, and one involving updates and clarifications to the previously defined trapezoidal cross-section. Additionally, information was provided pertaining to construction access to the project site. The final amended report was delivered on time and within budget in August, 2017. The findings of this amended report formulated the basis of the sponsor's 2017 project application for Level III funding for canal rehabilitation.

73. **PROJECT:**                   **Heart Mountain Irrigation District Rehabilitation 2017**  
**LEVEL:**                         **III**  
**SPONSOR:**                   **Heart Mountain Irrigation District**  
**LOCATION:**                   **Park County**  
**PROGRAM:**                   **Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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) and pipes, check 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 section during the winter of 2017-2018.

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.

74. **PROJECT:** Heart Mountain Rehabilitation 2010  
**LEVEL:** III  
**SPONSOR:** Heart Mountain Irrigation District  
**LOCATION:** Park County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	34	2004	II	\$ 100,000	2008
Level II	99	2006	II	\$ 21,000	2008
Level III	68	2010	II	\$ 1,180,000	2015*
Level III	14	2012	II	\$ 1,665,000	2017*
Level II	66	2013	II	\$ 175,000	2016
Level III	100	2014	II	\$ 1,990,000	2017**

\* This appropriation is replaced by the 2014 appropriation.

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

PROJECT INFORMATION:

Subsequent to the 2007 Level II study, the Heart Mountain Rehabilitation 2010 Project was initially authorized in 2010 with additional Level III funding and work authorized in 2012 and 2014. The sponsor has completed the pipeline work on Laterals H24, H55, H79-5, Lower Ralston Lateral, H57, and R15. Automated control gates have been installed at the Alkali Creek spills, one location on the Heart Mountain Canal and the other location on the Ralston Lateral. The check structure in the Heart Mountain Canal for the Ralston Lateral headgate, the Lateral R41 headgate, control gates at the North Cottonwood Siphon and Spillway, and control gates at the Rattlesnake Siphon and Spillway have also been automated. During this project, the sponsor has installed a system wide SCADA system. The Heart Mountain Rehabilitation 2010 Project was completed prior to the 2017 irrigation season.

Funding from WWDC for this project was used to purchase materials and the sponsor funded the engineering, land rights, and permits, and provided labor, equipment, and other resources necessary for construction of the project.

75. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 of U.S. Highway 191 and the water system serves 232 taps. Their water is supplied from two wells completed in the Wasatch Formation aquifer. The distribution system consists primarily of 4” diameter PVC pipe with an average age of 38 years. The Sponsor has struggled in recent years to maintain reliability within the water system and at times residents have had to haul water. The Level I Master Plan included a complete analysis of the system to identify deficiencies and the development of a long term system plan. Study components included additional source capacity, water storage, and a distribution system evaluation. The Level II study, completed in late 2016, included test drilling of a new production well. This Level III project includes connecting the new well to the existing system, a storage tank, back-up power supply, and a transmission pipeline to connect the two operating systems of the district.

The engineer agreement has been signed and design is under way.

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

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	23	2015	II	\$ 36,850	2020

**PROJECT INFORMATION:**

The Bureau of Reclamation has determined that the Guernsey Dam Spillway Gate is in need of 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 to be a loan from the Bureau of Reclamation. It is WWDO’s understanding that the District will make one payment at the end of the project.

It appears that the project is complete, however, to date the Bureau has not submitted closeout documentation or pay requests.

- 77. **PROJECT:**                    **Hog Island Water Master Plan**
- LEVEL:**                        **I**
- SPONSOR:**                   **Hog Island Improvement and Service District**
- LOCATION:**                   **Teton County**
- PROGRAM:**                   **New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I *	46	1997	I	\$250,000	2000
Level I **	75	2005	I	\$ 75,000	2008
Level I	65	2017	I	\$165,000	2020

\*Teton County Water Master Plan

\*\*Hoback Junction Water Supply

PROJECT INFORMATION:

The Hog Island area is a collection of housing subdivisions, segregated tract home-sites, pasture land, a large mobile-home park, and the location of the local WYDOT offices and maintenance shop. A new elementary school (Munger Elementary) is under construction on property just south of WYDOT. The sponsor requested a Level I study to develop concepts for a new rural public water supply system. The recent (2012) Jackson/Teton County Comprehensive Plan deemed Hog Island as a “complete neighborhood” however no community-wide water/sewer utilities exist. Existing drinking water supplies in the area consist of shallow domestic wells that have poor production and poor water quality if bedrock-sourced. The Evans Mobile-Home Park has a system supplied by three wells on the bank of the Snake River that are likely in communication with the streamflow. Formation of an Improvement & Service District by the sponsor in January 2017 is largely based on replacing existing drinking water supplies with a safe, reliable municipal-like system.

The study was undertaken by the Consultant in June 2017 and is continuing in concert with the sponsor and the WWDO project manager. The key factor in a successful system emplacement is a reliable groundwater source for a public water supply purveyor. The project will be ongoing during 2018 with a final report expected in September, 2018.

<b>78.</b>	<b><u>PROJECT:</u></b>	<b>Indian Paintbrush Water Supply</b>
	LEVEL	III
	SPONSOR	Indian Paintbrush Water District
	LOCATION	Teton County
	PROGRAM	New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	57	2012	I	\$ 375,000	2014
Level II	74	2014	I	\$ 200,000	2014
Level III	23	2015	I	\$ 616,400	2020*

\*67% grant

PROJECT INFORMATION:

The Indian Paintbrush Water District is a recently formed (Aug. 2010) entity composed of adjacent residential subdivisions and segregated tracts in Teton County that share a public water supply system installed in the early 1970's. The District occupies approximately 240 acres in Section 33, T41N, R117W in the Flat Creek drainage (trib. Snake River) and is 1¼ miles south of Wilson on the Fall Creek road. The District sought WWDC Level II funds as a new applicant in 2012 to make improvements on an aging system that has inherent deficiencies in serving the present users. The principal source supply well is experiencing declines in production; storage is undersized and decrepit; and there is suspected significant leakage in the distribution system, all contributing to inadequate year-round supply problems. The WWDC study included an analysis of water supply alternatives, leak detection, storage component alternatives, and a follow-up feasibility study to the

District-funded 2009 master plan to guide the district in operations and suggesting a best-fit water rate structure to meet the costs for upgrades and O&M. Phase I of the WWDC Level II study, begun in 2012, determined that the District required additional ground water source supply beyond that provided by the two existing wells. The 2013 exploration drilling program advanced in complex geologic terrain to seek maximum aquifer potential and succeeded with a test borehole that was significantly deeper than the district's supply wells. In Spring 2014, a production-size well was drilled and completed at the test drilling site. The design to connect the well to the District is complete and construction of the project is anticipated to be completed in late 2017.

79. **PROJECT:** Jamestown/Rio Vista Water Supply  
**LEVEL:** III  
**SPONSOR:** Jamestown-Rio Vista Water and Sewer District  
**LOCATION:** Sweetwater County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	33	2008	I	\$ 75,000	2010
Level III	23	2015	I	\$ 4,288,000	2020*

\*67% grant

**PROJECT INFORMATION:**

The 2008 Legislature appropriated \$75,000 to complete a Level II study to review the existing water supply system including the intake structure, treatment facility, and storage tank. As part of the study, the District also requested an analysis of expanding their system so they could serve additional water users within their boundaries. Out of several alternatives considered, the preferred alternative from this study recommended that Jamestown obtain treated water from the GR-RS-SC JPB, and build a new tank to facilitate the delivery of the treated water to the district.

In 2015, the District requested funds to connect to the Green River-Rock Springs-Sweetwater County Joint Powers Water Board (JPWB) as a new source supply. A new transmission line from the JPWB connection will be constructed and connected to the existing District system. Another section of transmission pipeline will also be constructed on the west side of the existing system that will go under the river and provide water to areas that are within the District, but have not had access to the system in the past. The project will also construct a new 600,000 gallon storage tank. In 2014, WWDC recommended a 67% grant in the amount of \$4,288,000 which was appropriated by the 2015 Legislature.

The project design is complete and the contractor has been selected. Construction is expected to begin in early 2018.

80. **PROJECT:** Jeffrey City Water System Improvements  
**LEVEL:** III  
**SPONSOR:** Jeffrey City Water & Sewer District  
**LOCATION:** Fremont County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	1	2011	I	\$ 100,000	2013
Level III	141	2013	I	\$ 418,750	2018*

\*67% grant

**PROJECT INFORMATION:**

Jeffrey City (Town) is located in southeast Fremont County in the Sweetwater River drainage (trib. North Platte River). The Jeffrey City Water & Sewer District (Sponsor), formed in 2002, acquired a pre-existing municipal-grade system from the mineral development companies (Western Nuclear Corporation, Pathfinder Minerals, and U.S. Energy) that built and owned the Town. The system was built to accommodate the several thousand residents that occupied Jeffrey City in its ‘heyday’ (1970s), but is now operated to serve a population of less than one hundred. In late 2012, WWDC completed a master plan and water system feasibility study to address problems of operating the system with an oversized and deteriorating storage tank, inefficient pumping system (well and pressure boost pumps), and rudimentary controls.

Recommended upgrades to the system included 1) activating an existing well in town (Jeffrey City Town site No. 3 Well, Permit No. U.W. 31855, presently used for raw water load-out) and tie into system for flushing purposes, 2) drilling a redundant supply well to meet WYDEQ source supply capacity requirements, 3) installing two 250-gallon pressure-bladder tanks to limit well pump starts, 4) programmable well controls, 5) new chlorination systems for both supply wells, and 6) appurtenant well housing, piping, fencing, and other improvements. The existing 250,000 gallon storage tank will be abandoned in favor of the two-well system.

The WWDC recommended the project be incorporated into the New Development Program at Level III status with an appropriation of \$418,750. This appropriation serves as a 67% grant for design and construction costs, with the remaining 33% being funded through the combination of an MRG grant from SLIB and a grant from USDA Rural Development.

In June 2014, the Sponsor received a portion of the funding requested through the SLIB MRG program to design the WWDC eligible portion of the project. Since then, the Sponsor has executed the project agreement with the WWDC and also the Engineer and design is underway. As of late 2016, Rural Development had elected not to participate in the project leaving the Sponsor with no matching funds. The Sponsor has since received a Mineral Royalty Grant from the State Land and Investment Board to cover all of the matching funds required as well as the ineligible portion of the project. The project is under construction and is expected to be completed in 2018.

- 81. PROJECT: Kemmerer-Diamondville Water System**  
**LEVEL:** III  
**SPONSOR:** Kemmerer-Diamondville Joint Power Water Board  
**LOCATION:** Lincoln County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	33	2008	I	\$ 100,000	2010
Level II	32	2010	I	\$ 100,000	2011
Level III	23	2015	I	\$ 1,587,900	2020*

\*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 Level II funding for this study during the 2010 Legislature. The final Level II report recommended new transmission and storage alternatives to be advanced to Level III. The recommended improvements will provide system redundancy, upgrades to components, and new storage to meet demands and improve fire protection and pressures. The sponsor requested Level III funding for only the new tank.

In 2015, the Kemmerer/Diamondville JPB received a 67% grant funding appropriation from the New Development program in the amount of \$1,587,900. Construction of the project began in June 2016.

Construction of the project was completed in fall of 2017. The project is expected to be closed out by January of 2018.

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

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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. The new transmission pipeline will provide redundancy between the Hams Fork River, the Union Pacific Rail Road Tracks and U.S. Highway 30.

In 2015, it was recommended that the project be awarded Level III funding in the amount of \$1,172,500. The recommended funding was approved in the 2016 Budget Session. Project agreements and documents were signed in June of 2016. The project is currently in the design phase, and it is expected to enter construction by the spring of 2018.

- 83. **PROJECT:** **Kirby Ditch Rehabilitation**
- LEVEL:** II
- SPONSOR:** Kirby Ditch Irrigation District
- LOCATION:** Hot Springs County
- PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	85	2007	II	\$ 200,000	2008
Level III	63	2011	II	\$ 420,000	2016
Level II	65	2017	II	\$ 100,000	2020

**PROJECT INFORMATION:**

The Kirby Ditch flows through a slide area, and this part of the ditch is being shut down often due to slides putting irrigators out of water and suffering crop loss. The current Level II Feasibility study is considering options to remedy the slide issue. Additionally, there is a diversion on the upper end of the ditch where the land owner is required to check the ditch to raise the water level enough to get water in his ditch. This backs up water creating algae issues, increased seepage, and affects measuring the water in Kirby Ditch. The study is investigating options to improve or move this diversion. The project is progressing and will be ongoing during 2018, with a final report expected September, 2018.

- 84. PROJECT: Kirby Rehabilitation 2011**  
LEVEL: III  
SPONSOR: Kirby Ditch Irrigation District  
LOCATION: Hot Springs County  
PROGRAM: Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	123	2007	II	\$ 200,000	2008
Level III	63	2011	II	\$ 420,000	2016*
Level III	105	2006	II	\$ 82,410	2017**
Level III	55	2016	II	\$ 0	2017***

\* 67% grant, 33% loan

\*\* Sponsor's Contingency Fund, 67% grant

\*\*\* Time extension July 1, 2016 to July 1, 2017.

**PROJECT INFORMATION:**

The Kirby Ditch Irrigation District operates a gravity flow headgate and canal system. Water is diverted from the Big Horn River and delivered to approximately 3,200 acres of irrigated lands. There are 47 landowners served on this system. The Level II study conducted an evaluation of the potential for delivery system and on-farm water conservation opportunities; reviewed current operations including water appropriation and water rights; and determined conveyance losses.

In 2011, this project received funding to rehabilitate the main diversion headgate and construct improvements on the main canal. The contractor constructed all of the improvements prior to the 2016 irrigation season and remaining funds were kept available for small amounts of additional work. This project is now complete.

WWDC funding financed design, construction, construction engineering, and land rights as necessary to construct the project. The sponsor provided a 33% match for the Sponsor's Contingency Fund portion of the financing, and was responsible for all costs not covered by WWDC funding.

85. **PROJECT:** Lake DeSmet Facilities Acquisition  
**LEVEL:** II  
**SPONSOR:** State of Wyoming  
**LOCATION:** Johnson County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	125	2003	II	\$ 100,000	2004
Level II	75	2005	II	\$ 150,000	2006
Level III	147	2005	II	\$ 165,000	2009*
Level III	38	2009	II	\$ 1,265,000	2013*
Level II	65	2017	I	\$ 200,000	2020

\*67% grant, 33% loan

PROJECT INFORMATION:

Lake DeSmet and the associated north and south dams are owned by Johnson County. Sasol Synfuels owns water right permits for 62,199 AF of storage out of a total reservoir capacity of 234,987 AF and Sasol pays a proportionate share of reservoir operation and maintenance to Johnson County. In February 2016, Sasol listed their Lake DeSmet water assets and the M&M Ranch for sale. The M&M Ranch holdings include 9,986 acres of deeded land, 2,122 acres of state leases, 280 acres of BLM leases, associated mineral rights and direct flow water rights. The original list price was \$21,000,000 which was then reduced to \$18,900,000. A Sasol representative approached the State about purchasing only the Lake DeSmet water assets from Sasol. On October 4, 2016 representatives of the WWDO inspected the Lake DeSmet water assets to learn more about the facilities being offered for sale.

Water Assets for Sale

- 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. It should be noted that this is a pre-Yellowstone River Compact water right.
  - 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

To perform due diligence on the potential acquisition, a Level II study was recommended to complete an analysis of the water rights for sale, valuation of the assets, a thorough review of the potential uses, including an engineering feasibility analysis/conceptual plans/costs (economics) for each use, and an analysis of the current infrastructure with an estimate of current and future associated liabilities (operation and maintenance costs, replacement costs, personnel needs/costs, etc.). Funds for the Level II study were appropriated during the 2017 General Session, however, due to project developments since that time, it has been determined the study is no longer needed.



86. **PROJECT:** Lakeview Irrigation District Rehabilitation 2016  
**LEVEL:** III  
**SPONSOR:** Lakeview Irrigation District  
**LOCATION:** Park County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	57	2012	II	\$ 250,000	2013
Level III	100	2014	II	\$ 154,770	2019*
Level III	55	2016	II	\$ 194,300	2021*

\*67% grant

PROJECT INFORMATION:

Lakeview Irrigation 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 about 250 cfs.

This project will replace the Bull Creek siphon. The existing structure is badly dilapidated and in need of replacement. This siphon was the number one priority from the 2012 master plan.

The 2016 Legislature approved a 67% grant in the amount of \$194,300 for the siphon reconstruction. The project design is complete and the project is anticipated to bid in 2018.

87. **PROJECT:** Lance Creek Well Connection  
**LEVEL:** III  
**SPONSOR:** Lance Creek Water and Sewer District  
**LOCATION:** Niobrara County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	66	2009	I	\$ 100,000	2010
Level II	1	2011	I	\$ 260,000	2012
Level II	Agency Budget- 900 Series		I	\$ 32,500	2012
Level III	141	2013	I	\$ 170,000	2018*

67% grant, 33% loan

PROJECT INFORMATION:

The U.S. Environmental Protection Agency (USEPA) has issued an administrative order to the Lance Creek Water and Sewer District (Sponsor) for exceeding the maximum contaminant level (MCL) for arsenic. The Sponsor requested a Level II study to conduct a groundwater feasibility study to determine if a replacement well could be constructed into the Lower Cretaceous Inyan Kara Group (“Dakota”). The objectives of the new water supply well would be to have sufficient water quantity and meet primary drinking water standards for arsenic, radium, and gross alpha.

During 2012, the Level II Study evaluated the feasibility of constructing a test well with different screened intervals into the Inyan Kara Group (“Dakota”) to provide water supply meeting drinking water standards. Unfortunately, the first two test wells constructed near the District’s State #1 Well also indicated arsenic levels exceeding the MCL and were not acceptable for use. A third test well

was constructed as an offset of the District's State #2 Well and resulted in good quality water that meets primary drinking water standards for arsenic, radium, and gross alpha. An additional \$32,500 was added in 2012 to the Level II study to conduct a full seven-day pumping test of the third test well.

In 2013, District received a 67% grant / 33% loan funding appropriation from the New Development program in the amount of \$170,000. Since the Level III appropriation, the District has not made any forward progress with the project. The project agreements and accompanying documents have not been signed to date. The WWDC project agreement reversion date is July 1, 2018. The District has informed the Wyoming Water Development Office they have no intention of advancing the project.

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

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 DESCRIPTION:

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 WWDC project agreement is signed and the City is awaiting completion of the Lander Water Supply Project prior to selecting an engineer

- 89. PROJECT: Lander Water Supply**  
**LEVEL: III**  
**SPONSOR: City of Lander**  
**LOCATION: Fremont County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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*

\* 50% grant

**PROJECT DESCRIPTION:**

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. Improvements included in this project are located on the southern or eastern sides of Lander and are specifically selected to result in significant upgrading of the transmission facilities. The project includes sundry component improvements including pipeline upsizing, transmission segment replacement, 2 new PRV vaults, rebuilding of 2 PRV vaults, replacement of an emergency feed to the downtown area, replacement of altitude valves that control filling of the subsidiary tanks, and major replacement of the rapidly deteriorating 20” AC transmission line running down Sinks Canyon Road to Fremont Street, that serves 80% of Lander’s population. The project is needed to approve the efficiency of the Lander water supply system.

The design was completed in 2015 with construction initiated in late 2015. The City encountered problems during construction delaying the project completion. The project should be completed by the end of 2017.

- 90. **PROJECT:**                    **LaPrele Irrigation District Master Plan**
- LEVEL:**                        I
- SPONSOR:**                    LaPrele Irrigation District
- LOCATION:**                    Converse County
- PROGRAM:**                    Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	25	1984	II	\$ 1,500,000	1989
Level II	65	2017	II	\$ 190,000	2020

**PROJECT INFORMATION:**

The LaPrele Irrigation District’s supply system is made up of 3 reservoirs, siphons, tunnels and open ditch canals. The District requested funding for a Level I Study to inventory and assess their storage and transmission system, investigate conveyance losses, and identify and prioritize capital improvement projects for financial planning. The LaPrele Reservoir may need repairs to the spillway which will be evaluated, there are aging diversion headgates and leaking canals that all need to be assessed. Additionally, the study will produce a GIS to assist in the management of the system and recommend any needed operational changes. Cost estimates will be produced to include both a total and phased approach to construction and replacement according to a recommended rehabilitation schedule. The project is progressing and will be ongoing during 2018, with a final report expected September, 2018.

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

EXISTING LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	74	2013	I	\$ 250,000	2016
Level III-I	100	2014	I	\$ 1,200,000	2019*
Level III-II	75	2017	I	\$ 8,503,000	2020†

\* 67% grant, 33% loan

†67% grant only. The 2014 appropriation of \$1,200,000 was increased by \$7,303,000 to \$8,503,000 and the reversion date extended to from July 1, 2019 to July 1, 2020.

PROJECT INFORMATION:

The Laramie North Side Project is one of the projects recommended in the 2014 Level I Laramie Master Plan study. Based on the Level I study recommendation, the City of Laramie applied for WWDC project funding in 2013 to construct storage tank(s) and a transmission pipeline to serve the north end of Laramie. This area has experienced recent growth with the Cirrus Sky Technology Park and residential development. The project will provide system redundancy legislated fire flow to the north end of Pressure Zones 1, 2 and 3.

In 2014, the Legislature appropriated \$1,200,000 for project design, permitting and land acquisition. In 2014, the City of Laramie also procured the services of a consulting engineering firm to begin the project design. In 2017 the Legislature appropriated an additional \$7,303,000 to construct the project. The project is currently under design and the City of Laramie anticipates bidding the project in 2018.

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

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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	2018
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 minimum pool for habitat, fishing and recreational use.

The proposed expansion lies partially on lands managed by the Cody 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 404 permit. The NEPA process is being followed and an Environmental Impact Statement (EIS) is being prepared by the BLM, as the lead federal agency, to address the issues and analyze a range of alternatives for the Leavitt Reservoir Expansion in order to fully meet Federal requirements. Based on information gathered through previous WWDC analysis, a positive Record of Decision is anticipated. 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 minimum (environmental/recreation) pool which will provide fisheries, wildlife, and recreational uses. Diversions out of Beaver Creek during spring runoff will have some flood control benefits, plus some minor flood benefits provided by the reservoir itself. Wetlands created as part of the project will have water quality and wildlife benefits. Late season irrigation releases out of the reservoir will enhance downstream riparian areas, improve fish habitat and have indirect benefits to wildlife provided through additional agricultural yields and winter pasture. Furthermore, the proposed supply diversion for the reservoir expansion will be approximately one stream mile below the existing reservoir diversion, thus providing additional fish habitat.

93. **PROJECT:** LeClair Irrigation District Rehabilitation 2017  
**LEVEL:** III  
**SPONSOR:** LeClair Irrigation District  
**LOCATION:** Fremont County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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	\$ 1,753,000	2022

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 agreement has been signed and design is under way

94. **PROJECT:** Little Wind River Storage Study, Phase II  
**LEVEL:** II  
**SPONSOR:** Eastern Shoshone and Northern Arapaho Tribes  
**LOCATION:** Fremont County  
**PROGRAM:** Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 Little Wind and Big 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 WWDC 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 options 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. The top alternatives were then analyzed against each other with more detailed conceptual designs and site investigations. The top 3 selected alternatives were as follows:

1. Ray Lake Enlargement
2. Washakie Reservoir Enlargement
3. Site 8240 (S. Fork Little Wind River upstream of Washakie Reservoir)

In summary, based on the Level II, Phase I investigation, it has been confirmed 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
- In-Depth Geological/Geotechnical Analysis and Field Investigation
- Wetlands Delineation 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.

95. **PROJECT:** Lovell ID Master Plan  
**LEVEL:** I  
**SPONSOR:** Lovell Irrigation District  
**LOCATION:** Big Horn  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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	100	2014	II	\$ 889,000	2019
Level I	38	2016	II	\$ 165,000	2019

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 11,000 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.

The Lovell Irrigation District requested funding for a Level I Master Plan Study to inventory and assess their transmission system, investigate conveyance losses, and identify and prioritize capital improvement projects for financial planning. The canal was observed for operational and irrigation efficiency. Conversation with managers included: need for a year round operator, regular maintenance schedule, water ordering, sediment issues, and improved water measurement. The State Engineer’s Office has recorded five adjudicated rights under the Elk/Lovell Canal. These are described in the Plan.

An inventory was conducted to assess the District’s canal assets. During this mapping, each component was visited, photographed and data recorded. Nine improvements were prioritized in

the rehabilitation plan. Because this would be too expensive for the District to construct all the projects at once (\$6M), the master plan includes prioritization of projects so that the District could accomplish a phased replacement based on what they can afford. The plan lays out construction projects for the next 20 years. The Master Plan is on schedule to be completed in 2017.

96. **PROJECT:** Lovell Tank/Zone 2 Improvements  
**LEVEL:** III  
**SPONSOR:** Town of Lovell  
**LOCATION:** Big Horn County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	57	2012	I	\$ 110,000	2014
Level III	23	2015	I	\$ 2,401,950	2020*
Level III	55	2016	I	\$ 2,700,100	2020*†

\*67% grant

† The 2015 appropriation of \$2,401,950 was increased by \$298,150 to \$2,700,100.

PROJECT INFORMATION:

The Level I study identified that there is no storage for the Town’s upper pressure zone. The upper pressure zone includes the community’s hospital, nursing home, and a significant residential area. The pressure zone is supplied by an old variable speed pump station that is approaching the end of its useful life. The pump station has frequently stopped working resulting in loss of pressure to the upper pressure zone users. In 2014, the Sponsor pursued a Level III request to build a new storage tank, a new pump station, and connecting pipe to improve water supply and pressure to Zone 2 in their water system.

In 2015, the Sponsor received a 67% grant funding appropriation from the New Development program in the amount of \$2,401,950. The Sponsor secured the services of an engineer and initiated the design process. During the initial design process, tank locations previously identified were no longer available for the Project. The Sponsor and Engineer determined that placing the tank on Sponsor owned property would be the ideal solution. This new tank location is further way than the original sight and will add additional costs to the project. The additional costs are for the pipe necessary to make the project function in its intended manner.

During 2016, the Sponsor received an additional \$298,150 in funding from the WWDC. The Engineer has made good progress on the project design and details. The Project went go to bid and was successfully awarded in 2017. The Sponsor, Engineer and Contractor are in the process of completing and finalizing the project.

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



EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	74	2014	II	\$ 100,000	2017
Level III	55	2016	II	\$ 877,700	2021*

\*67% grant, 33% loan

PROJECT INFORMATION:

The Leiter Ditch is a primary permitted conveyance facility that delivers water from a diversion structure on Piney Creek to the District’s storage accounts in Lake DeSmet. The existing ditch and structures cannot safely convey more than approximately 50 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 lands, 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 a piped section, 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. The District has hired a consulting engineer and the project is currently under design.

98. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 in the amount of \$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. Since the matching funds were appropriated, the project has entered the design phase. Construction is expected to begin in November, 2017.

- 99. PROJECT: Lusk Water Supply Study**  
**LEVEL: II**  
**SPONSOR: Town of Lusk**  
**LOCATION: Niobrara County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	66	2013	I	\$ 200,000	2016
Level II	38	2016	I	\$ 175,000	2019

**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 system includes three (3) storage tanks with a total combined capacity of 1,061,000 gallons. The Town 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.

The Level II water supply/quality feasibility study was requested by the Town of Lusk to address the September 2014 U.S. EPA Notice Of Violation (NOV) and Administrative Order (AO) for all four of the Town’s wells, which have all 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. This Level II study commenced in June, 2016 and is scheduled to be completed in early 2018.

- 100. PROJECT: Manderson Water Master Plan**  
**LEVEL: I**  
**SPONSOR: Town of Manderson**  
**LOCATION: Town of Manderson, Big Horn County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	43	1992	I	\$350,000	1995
Level I	38	2016	I	\$100,000	2019

**PROJECT INFORMATION:**

The town of Manderson receives its treated drinking water supply from the South Big Horn Water District which is part of the Big Horn Regional (BHR) Water Supply System. The water system includes a 75,000 gallon buried storage tank that is concrete, lined, and rectangular. The tank is located about ½ mile southeast of town. A connection building in the southeast part of town houses the tie-in to the BHR system. The town owns and maintains the tank and the connection building. Water consumers on the system consist primarily of residential users. However, a school, RV park, restaurant, post office, and a seed factory are also on the town’s system. The town’s knowledge of its distribution system is based off water system upgrade designs that were completed about 5 years ago. Comprehensive computerized GIS or CAD system inventory and mapping do not exist. The town’s water rights are in conjunction with enlargements to the BHR system and South Big Horn Water District and will need to be documented within this study.

Prior to this study, the Town of Manderson did not have a formal plan in place for its water distribution system, nor did it have accurate location mapping of system components in computerized format. This master plan inventoried and evaluated the current condition of the town’s system. The study identified the parts of the existing water system that are deficient and provided a schedule for improvements. It identified system needs and a plan to accommodate future growth. The study provided the town with needed GIS mapping and an assessment of its water distribution system along with a prioritization of system improvements and a long-term plan. Hydraulic modeling and a rate analysis were also performed.

A presentation of draft results of this study was held on July 10, 2017. This study was completed on time and within budget with the final report delivered prior to the September 1, 2017 due date.

- 101. PROJECT: Manville Well Connection**
- LEVEL: III
- SPONSOR: Town of Manville
- LOCATION: Niobrara
- PROGRAM: New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	1	2011	I	\$ 450,000	2014
Level III	100	2014	I	\$ 490,000	2018*

\* 67% grant, 33% loan

**PROJECT INFORMATION:**

The U.S. Environmental Protection Agency (EPA) has issued an administrative order to the Town of Manville as its water supply is exceeding the uranium maximum contaminant level (MCL). The 2011 Level II groundwater feasibility study was requested to determine if a replacement well could be constructed into the deeper Paleozoic Aquifer (Hartville Formation and others) that will have sufficient water quantity to serve the Town and will meet EPA standards. The Level II study commenced with a hydrogeologic, structural, and well siting study during 2011. Due to access problems to private land and other legal issues involving constructing test borings/wells in the Manville area during 2012, the project due date was extended one year to June 30, 2013.

During 2013, the Level II study evaluated two deep test borings drilled into the Hartville Formation. Unfortunately, the water levels in the boreholes were at depths of approximately 650 feet. A test well (104 feet deep) was constructed into the Arikaree Formation at the Dellview Cemetery (southeast of Town) and tested during November 2013. The results indicate this shallow test well

produces water of sufficient quality and quantity (130 gpm) to meet primary drinking water standards. In addition, water from the new test well may be blended with 60 gpm of water from the three existing wells to increase the total supply to approximately 190 gpm for Town use.

In 2014, the WWDC recommended the project be incorporated into the New Development program at Level III with an appropriation of \$490,000. WWDC financing will be 67% grant and 33% loan. The Town of Manville decided in 2015 that they would not use the loan portion of the appropriation, and they instead applied for State Land Investment Board (SLIB) funding. The project is expected to begin construction in December 2016.

The Manville Well Connection was constructed during the summer of 2017. The project is expected to be closed out by the spring of 2018.

- 102. PROJECT: Meeks Cabin Dam Enlargement**  
**LEVEL: II**  
**SPONSOR: Bridger Valley Water Conservancy District**  
**LOCATION: Uinta County**  
**PROGRAM: Dams and Reservoirs**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 feasibility study sponsored by the District to further investigate the feasibility of enlarging 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, owned by Reclamation, and 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 analysis, alternatives analysis, environmental analysis, preliminary geotechnical analysis, and economics analysis. This analysis is a broad-based approach to determine if any fatal flaws would halt the progress of an enlargement to the dam. The District has been presented with project findings project is nearing completion and the final report has been reviewed by staff. Results indicate that an 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 has considered the economic feasibility of the project, and has requested continuation with the next phase of study.

The remaining 2015 appropriation was reserved to seek technical assistance from Reclamation to further consider enlargement of their facility. This 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 will further refine the feasibility of enlarging the facility and include 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. Task Order 2017-1 is expected to be completed by the end of 2018.

- 103. PROJECT: Meeteetse Tank/SCADA/Retrofit**  
**LEVEL: III**  
**SPONSOR: Town of Meeteetse**  
**LOCATION: Park Count**  
**PROGRAM: New Development**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	74	2014	I	\$ 125,000	2015
Level III	55	2016	I	\$ 93,800	2021*

**EXISTING AND PRIOR LEGISLATION:**

\* 67% grant

**PROJECT INFORMATION:**

The August 2015 Level I Meeteetse Master Plan final report recommended this Level III construction project as the top priority for improvements to the Town of Meeteetse’s water system. The Meeteetse Tank/SCADA Retrofit Level III project is designed to upgrade the main tank vault to eliminate the confined space hazards and to modernize the old SCADA system. The completion of these projects will greatly improve the safety, operation, and efficiency of the Town’s water system.

In 2016, the Legislature appropriated funding to the Town of Meeteetse to retrofit the existing tank vault in order to comply with OSHA confined space requirements, a deficiency that was identified in the Level I study. The SCADA system was also identified as an upgrade needed due to the current operating system being manual levers.

The project has been successfully designed and constructed, and it is expected to be closed by the end January of 2018.

- 104. PROJECT: Melody Ranch Water Supply Study**  
**LEVEL: I**  
**SPONSOR: Melody Ranch Improvement and Service District**  
**LOCATION: Teton County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I *	46	1997	I	\$250,000	2000
Level I	38	2016	I	\$180,000	2019

\*Teton County Water Master Plan

**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.

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

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**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. 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.

A Special Use Permit (SUP) from the USFS will be 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. Final design is nearing completion and construction is anticipated to begin in 2018.

- 106. PROJECT: Midvale Bull Lake Rehabilitation 2015**  
**LEVEL: III**  
**SPONSOR: Midvale Irrigation District**  
**LOCATION: Fremont County**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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, awaiting completion of the Level II study addressing raising the face of the dam.

- 107. PROJECT: Midvale Pilot 27.0 A Lateral 2017**  
**LEVEL: III**  
**SPONSOR: Midvale Irrigation District**  
**LOCATION: Fremont County**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 proposed 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.

This project will likely be constructed during the winter of 2017-2018 and completed prior to the 2018 irrigation season.

- 108. PROJECT: Midvale Sand Butte 2 Lateral**  
**LEVEL: III**  
**SPONSOR: Midvale Irrigation District**  
**LOCATION: Fremont County**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	125	2003	II	\$ 300,000	2007
Level II	34	2004	II	\$ 75,000	2007
Level III	55	2016	II	\$ 770,000	2021*

\* 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 Sand Butte 2 Lateral fourth on the list of potential pipeline conversions. The existing concrete lining is in poor to failing condition and has been repaired several times with little long term success. Seepage in this area is considerable. The Midvale Sand Butte 2 Lateral Project will replace the old damaged concrete-lined ditch with buried pipe. The proposed 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. This project was completed prior to the 2017 irrigation season.

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

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	75	2005	II	\$ 100,000	2008
Level II	99	2006	II	\$ 125,000	2008
Level III	141	2013	I	\$ 95,000	2018*

\* 67% grant, 33% loan

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 a Westside Transmission line project that borders the District. The construction of



the Westside Transmission line 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 both in favor of the new connection.

The Mountain View Acres Water District obtained a water supply agreement with the City of Riverton, and the project is currently in the design phase. Once the City of Riverton completes their pipeline, then Mountain View Acres can begin construction for their connection into the pipeline.

- 110. 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:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	168	2015	III	\$ 300,000	2018
Level II	65	2017	III	\$ 450,000	2022

**PROJECT INFORMATION:**

Existing agricultural operations within the New Fork Lake Irrigation District (District) reflect a need for additional water storage for late season irrigation and livestock water in order to maintain production levels through annual fluctuations in precipitation and subsequent surface water availability. An enlargement of New Fork Lake could potentially supply the additional storage and address the aging dam infrastructure which dates back to the 1930s. Past studies that have looked at opportunities to increase storage in the Upper Green River Basin have focused mainly on the west side of the basin. This project has investigated the opportunity for increased storage in a portion of the basin lacking much previous study.

During the 2015 General Session, \$300,000 was appropriated for a Level II, Phase I Feasibility Study sponsored by the District. The project evaluated hydrology in the basin and found that the currently irrigated acreage average annual shortage could be reduced with 9,400 acre-feet of additional usable storage. The project’s alternatives analysis examined twelve storage concepts at eight locations within the District to assess their environmental impacts and ability to meet irrigation demands, so as to identify the top three alternatives for further development. Once identified, no fatal flaws were encountered in the structural, geotechnical, or environmental analysis conducted on the top three alternatives. Considering the said analysis, conceptual designs, and economic analysis, additional storage in the basin appears technically feasible and likely permissible. Further analysis is recommended for the preferred alternative, New Fork Dam – Lower Inlet Option, to gain a better understanding of project risks, requirements, costs, and benefits.

In 2017, an appropriation for \$450,000 was granted by the Legislature to complete a Level II, Phase II Feasibility Study to further refine the New Fork Dam – Lower Inlet alternative. The additional work will focus on hydrologic refinement, environmental field work, field geotechnical investigations, bathymetric and topographic surveys, conceptual design refinement, and continued coordination with the local community and appropriate agencies. This work is underway and

progressing ahead of schedule. It is anticipated that if results are favorable at the conclusion of the Phase II work, the project could be ready for a Phase III application.

- 111. PROJECT: New Fork River Watershed Study**  
**LEVEL: I**  
**SPONSOR: Sublette County Conservation District**  
**LOCATION: Sublette County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	38	2016	I	\$ 375,000	2019

PROJECT INFORMATION:

During the 2016 General Session, the Sublette County Conservation District (SCCD) applied for, and received, funding to conduct a Level I Watershed Study to evaluate current watershed function, irrigation diversion/conveyance systems, and upland livestock/wildlife water management and rehabilitation opportunities. Surface water storage including enlargement and/or rehabilitation of existing water storage facilities, current condition of wetlands and riparian areas within the drainage, and geomorphic classification were also of interest. The New Fork River Watershed, located entirely within Sublette County, covers approximately 1,230,000 acres. The watershed includes the primary stream system of the New Fork River and numerous tributaries including, Willow Creek, Pine Creek, Pole Creek, Boulder Creek, and East Fork River.

The watershed study has provided a comprehensive evaluation and initial inventory of the water and land resources within the study area. It provides important information that the SCCD and WWDC can use in developing water resources and implementing conservation practices that address water and land resource concerns. To this end, the study emphasized meeting with stakeholders to discuss proposed small water projects and developing a rehabilitation plan. A total of 70 projects were identified and 56 were brought forward for development of conceptual designs, cost estimates, and permitting requirements after screening through the evaluation matrix. The cost for these projects ranged from \$3,000 up to \$126,000 individually, totaling \$2.3 million in total cost. Conceptual designs and in-depth descriptions about these needed water development projects will assist the SCCD in applying to the Small Water Projects Program and provide economic, ecological, and social benefits to the state of Wyoming and its citizens.

Silver Lake Dam was also identified in the study as a damaged and aging structure in need of rehabilitation. Preliminary reconnaissance work was completed for the Silver Lake Irrigation District (District) as part of the study, which resulted in the District applying for a Level II study to examine the feasibility of rehabilitating their inoperable structure. The watershed study is nearing completion and final project deliverables are expected by the end of 2017.

- 112. PROJECT: Newcastle 2015**  
**LEVEL: III**  
**SPONSORS: City of Newcastle**  
**LOCATION: Weston County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	23	2015	I	\$ 616,400	2020*

\*67% grant

**PROJECT INFORMATION:**

The City's current wells are barely keeping up with the current demands. The improvements to Well #3 will allow the City to meet current and future demands. The City has issues controlling pressure within the pressure zones and the need for additional water will soon exceed the supply. The project will also assist in the regionalization to the area. The City of Newcastle is seeking funding to rehabilitate an existing well, replace an existing transmission main, and to upgrade the SCADA system. Construction on the project is completed and final closeout is in progress.

- 113. PROJECT: Newcastle Madison Well**  
**LEVEL:** II  
**SPONSOR:** City of Newcastle  
**LOCATION:** Weston County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	46	1997	I	\$ 500,000	2000
Level II	82	1998	I	\$ 140,000	2001
Level II	81	1999	I	\$ 420,000	2002
Level III	96	2000	I	\$2,200,000	2005
Level II	168	2015	I	\$1,450,000	2018

**PROJECT INFORMATION:**

In 2014, Newcastle requested funding for the drilling of a new Madison aquifer production well. An additional well would allow the City to meet current and future demands. The oldest and highest capacity well in the system, the Newcastle No.1 Well, was drilled in 1949. The 2000 WWDC Level II Master Plan study warned of a severe deficit in supply with a No.1 well failure or being out of service for any reason. The project will also assist, in the supply side, with continued regionalization in the greater Newcastle area. Level II efforts included well siting, permitting and environmental clearances, access acquisition, soliciting drilling contract bids, bid award, and notice to proceed for test drilling which began in late November, 2016. Drilling, completion, an acid stimulation frac, and flow testing were completed by early March, 2017. The result is a new flowing artesian well (Well No. 5) ready to be incorporated into Newcastle's well field. The final project report was submitted in late October, 2017.

- 114. PROJECT: Niobrara/Lower North Platte Rivers Watershed Study**  
**LEVEL:** I  
**SPONSOR:** Niobrara Conservation District  
**LOCATION:** Niobrara, Platte and Goshen Counties  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	65	2017	I	\$ 1,087,500	2020*

\* The 2017 Wyoming State Legislature authorized a “block appropriation” for one or more of seven watershed studies for which applications had been received and for which the Commission was instructed to establish a prioritized list. This study was one of four prioritized and approved for funding by the Commission with a project specific budget of \$271,875.

**PROJECT INFORMATION:**

The Niobrara Conservation District requested a watershed study to evaluate current watershed condition and function, in response to the 2015 Niobrara River severe flood episode. This study is expected to help identify opportunities for river bank stabilization and erosion control. Irrigation system efficiency, wetland and riparian area analyses, and a geomorphic classification are also of interest. The District would also like to consider their options for groundwater restoration working in close coordination with the Interstate Streams Division of the Wyoming State Engineers Office. This study will provide baseline data from which the District can pursue the implementation of management practices that address the natural resource issues within the watershed. The completion of this watershed study will 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.

The Niobrara – Lower North Platte watershed includes the following sub-watersheds: Silver Springs Creek, Cottonwood Draw, Upper Rawhide Creek, Duck Creek, Van Tassel Creek, Niobrara River - Lakatoh Ditch, Lower Rawhide Creek, Cold Springs Branch, Cherry Creek-Cherry Creek Drain and Sheep Creek. A majority of the project area is located within the Niobrara Conservation District (NCD), Lingle-Ft. Laramie Conservation District (LFLCD), and the North Platte Valley Conservation District (NPVCD). This Level I Watershed Study will be ongoing and is scheduled for completion November, 2018.

- 115. PROJECT: Northwest Rural Water Master Plan**  
**LEVEL:** I  
**SPONSOR:** Northwest Rural Water District  
**LOCATION:** Big Horn and Park Counties  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	231	1991	I	\$10,000,000	1996
Level III	206	1995	I	\$ 850,000	2000
Level III	45	1997	I	\$ 560,000	2002
Level III	69	2003	I	\$ 1,120,000	2008
Level III	105	2006	I	\$ 2,960,000	2010
Level III	14	2012	I	\$ 281,400	2017
Level III	141	2013	I	\$ 3,690,025	2018
Level I	38	2016	I	\$ 230,000	2019

**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 either connected directly to SMP or by NRWD transmission lines with master meter pits installed at the

user's property. Water consumers on the system primarily consist of residential users; however, there are some users classified as commercial. Currently there are 32 water storage tanks in the District's system and 12 connection buildings. Six of these buildings are pump stations; a total of 12 pumps are in use. NRWD owns all of the tanks, buildings, and pumps within its service areas. Connection buildings house the taps to SMP, and then NRWD transmission pipelines convey the water to the tanks. Essentially, everything downstream of the actual tap off of SMP's line is owned by the District.

The District's water system is 22-years old and prior to this study, never had a water master plan developed. This Level I study accomplished the following in the form of a master plan: inventoried, mapped, and evaluated the existing water system infrastructure; prepared a hydraulic model to simulate and assess system operations, demands, and assess potential fire flows; helped identify improvements needed to accommodate future growth; ascertained service limits (number of taps) in each of the nine service areas; identified, prioritized, and prepared conceptual-level designs and cost estimates for needed capital improvement projects along with a corresponding schedule; and, reviewed the sponsor's water rate schedule and prepared a financial plan for system improvements.

A presentation of draft results of this study was held on July 20, 2017. This study was completed on time and within budget with the final report delivered on September 1, 2017. It was the findings of this report that formulated the basis of the sponsor's 2017 project application for Level III funding for 2018 improvements.

- 116. PROJECT:** Nowood River Storage - Alkali Creek Reservoir\*  
**LEVEL:** III  
**SPONSOR:** Nowood River Watershed Improvement District  
**LOCATION:** Big Horn County  
**PROGRAM:** Dams and Reservoirs

\*See the Alkali Creek Reservoir Project

- 117. PROJECT:** Nowood River Storage – Meadowlark Lake  
**LEVEL:** II  
**SPONSOR:** Nowood River Watershed Improvement District  
**LOCATION:** Washakie County  
**PROGRAM:** Dams and Reservoirs

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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	2018

**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 River 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. 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.

- 118. PROJECT: Opal Well Improvements 2017**  
**LEVEL: III**  
**SPONSOR: Town of Opal**  
**LOCATION: Lincoln County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	168	2015	I	\$100,000	2018
Level III	75	2017	I	\$ 4,690	2022*

\* 67% grant.

PROJECT INFORMATION:

The Town of Opal received a project appropriation to improve well head and well piping functions on their three source supply wells, the Knoll Well #1, Knoll Well #2, and Knoll Well #4. The improvements involved in the request are to bring the existing status of the well up to standards set in Wyoming Department of Environmental Quality – Water Quality Division Chapter 12 regulations, and Wyoming State Engineer’s Office for annual reporting compliance. This project is being designed and is anticipated to be completed in 2018.

- 119. PROJECT: Owl Creek Watershed Study**  
**LEVEL: I**  
**SPONSOR: Hot Springs Conservation District**  
**LOCATION: Hot Springs County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	38	2016	I	\$ 375,000	2019

PROJECT INFORMATION:

The Hot Springs Conservation District requested a watershed study to evaluate current watershed hydrology, water availability, water supply and storage systems in the Owl Creek, and the neighboring, Coal Draw, and Sand Draw Watersheds. The Owl Creek watershed, located in Hot Springs County, covers approximately 350,000 acres.

The District is interested in enhancing watershed processes and repairing/developing water supplies, irrigation conveyance systems, and upland livestock/wildlife sources. Understanding the condition of the rangeland, wetlands, and riparian areas within the drainage will help with erosion and water quality issues on bacteria listed Owl Creek.

The rehabilitation plan focused on the Small Water Project Program, but included a number of large projects: Evaluation of irrigation systems resulted in 52 irrigation projects ranging in cost from \$7,000 up to \$1 million, totaling \$2.8 million in total cost. The plan also included evaluation of livestock components, resulting in 14 upland range projects, from \$5,000 up to \$75,000 at a cost of \$3.2 Million. System designs were provided that can be utilized to apply to the WWDC’s Small Water Projects program. This information will provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. The Study is on schedule and will be completed fall of 2017.

**120. PROJECT: Pine Bluffs North Well Field**  
**LEVEL: Level III**  
**SPONSOR: Town of Pine Bluffs**  
**LOCATION: Laramie County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	I	\$ 2,300,000	2019*

\*67% grant on all eligible items and 33% loan on water rights only.

PROJECT INFORMATION:

The Town of Pine Bluffs was offered the opportunity to acquire 318 acres of land (Kimsey property) immediately north of Town along with three (3) irrigation wells and the ground water rights associated with those lands. The property contains 251.51 acres of irrigated farmland recently (2011, 2102, 2013) planted with corn, oats, and alfalfa hay. The request to the WWDC is for the lands, wells, change-of-use/transfer of water rights, replacing/retrofitting the irrigation wells to meet WDEQ-WQD public water supply regulations, manifold piping, SCADA, and transmission pipeline to Pine Bluffs' system. Water levels continue to decline in the High Plains Aquifer and the Town's Brule Wells have been particularly hard hit. Of the original six Town Brule wells, only two remain operational and their production has decreased by over 50%. The remaining water supply is dependent on two deep (Lance/Fox hills) wells and a newly drilled (2004) High Plains Aquifer well. The Lance/Fox Hills wells are not impacted by local farming practices, do meet EPA drinking water standards, but due to high sodium levels cannot be used for lawn irrigation without dilution by Brule water. This Level III project will allow the Town to purchase three high production wells, which are completed in the Lodgepole Creek Terrace Aquifer rather than the Brule. The water quality of these three wells meets both drinking water and irrigation standards. The Town purchased the wells, necessary land, and water rights to allow the construction and operation of an improved water supply system that provides source redundancy and meets long term quantity and quality needs.

At this time, the Town has completed the transfer of the water rights, has drilled a new well and rehabilitated one of the existing wells for use as a municipal supply well. The construction of the transmission line to connect the new well and the rehabilitated well to the existing Town water supply is currently in progress.

**121. PROJECT: Pine Haven Well and Tank**  
**LEVEL: III**  
**SPONSOR: Town of Pine Haven**  
**LOCATION: Crook County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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*

\*67% grant

**PROJECT INFORMATION:**

The Town of Pine Haven water system supply currently 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.

- 122. 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:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 by the Sponsor. Design is expected to being in 2018.

The Town has contracted for the Tank and Pipeline work and is planning to rebid the well work in late 2017 or early 2018.

- 123. PROJECT: Piney & Cruse Canal Piping**  
**LEVEL:** III  
**SPONSOR:** Piney Cruse Creek Ditch Company Irrigation District  
**LOCATION:** Sheridan County  
**PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	34	2004	II	\$ 75,000	2006
Level III	100	2014	II	\$ 855,000	2019*

\*67% grant, 33% loan

**PROJECT INFORMATION:**

The Piney Cruse Creek Ditch Company Irrigation District’s surface irrigation water diversion 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 of 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.

- 124. **PROJECT:** Pioneer Transmission Pipeline 2017
- LEVEL:** III
- SPONSOR:** Pioneer Water and Sewer District
- LOCATION:** Natrona County
- PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 once those breaks occur. 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.

This project will provide for a second connection to the CWRWS and a second transmission line to the north end of the District. In 2016 the WWDC recommended that the project be elevated to Level III status and a 67% grant in the amount of \$1,246,200. The project agreement has been signed. Design is expected to begin in 2018.

- 125. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 current Level II feasibility study is addressing the following:

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

The total project budget of \$400,000 was recommended to be a 50/50 match between the State of Wyoming and the City of Scottsbluff, Nebraska. Late 2016, a Memorandum of Agreement between the WWDC and Scottsbluff NE was executed and engineering consultant services commenced in November 2016. This study was ongoing during 2017 and will be completed in mid-2018.

126. **PROJECT:** Powder/Tongue Northeast Groundwater Analysis  
**LEVEL:** I  
**SPONSOR:** WWDC  
**LOCATION:** Powder/Tongue and Northeast River Basins  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 will identify 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 is expected in 2018.

- 127. PROJECT: Powder/Tongue Northeast River Basin Plan Update**  
**LEVEL: I**  
**SPONSOR: WWDC**  
**LOCATION: Powder/Tongue and Northeast River Basins**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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.

The State Water Planning process was created with the intention of updating the Basin Plans on a five to ten year cycle. This ensures that the data collected as a part of these plans always remains current. Since their completion, the River Basin Plans have become an important foundation to many other planning efforts throughout the state.

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. Attendees were

encouraged to ask questions and provide input on water related issues in these basins. These open house were held Sept. 14, 2015 in Sheridan, Sept. 15, 2015 in Newcastle, and Sept. 16, 2015 in Kaycee. The study is ongoing and will be completed in 2018.

- 128. PROJECT: Riverton Valley Rehabilitation 2013**  
**LEVEL: III**  
**SPONSOR: Riverton Valley Irrigation District**  
**LOCATION: Fremont County**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	86	2001	II	\$ 40,000	2002
Level III	141	2013	II	\$ 137,000	2018*
Level III	23	2015	II	\$ 0	2018**

\*100% Materials Only

\*\*Project description modified

PROJECT INFORMATION:

The Riverton Valley Irrigation District (RVID) has completed previous lateral rehabilitation projects that were outlined in the Level II Master Plan. The 2013 funding appropriation is to purchase materials for piping of two laterals located within the district.

This project consists of replacing two ditch segments, the Pig-Pen Lateral and the Riverbend Lateral with buried pipe. These laterals were not included in the 2002 Level II Master Plan. The Pig-Pen Lateral, due to previous easement issues with landowners and the Riverbend Lateral, became part of the Irrigation District in August 2010 after the Master Plan was completed. 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 4,260 feet.

In 2013, the legislature appropriated \$137,000 in grant funding to the District to place the two laterals in pipe. The district has completed the Pig Pen and Riverbend lateral projects. Since the 2013 appropriation, the RVID has experienced problems with its main headgate structure located on the Wind River. In 2014, the RVID requested to be able to use existing funds to rehabilitate their main headgate structure. Work on the Wind River headgate structure was not included in the 2013 appropriation. This work was approved by the WWDC and the 2015 Legislature and the project will be completed in 2017.

- 129. PROJECT: Riverton Valley Rehabilitation 2014**  
**LEVEL: III**  
**SPONSOR: Riverton Valley Irrigation District**  
**LOCATION: Fremont County**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	86	2001	II	\$ 40,000	2002
Level III	100	2014	II	\$ 136,680	2019*

\*67% grant

**PROJECT INFORMATION:**

The Riverton Valley Irrigation District (RVID) has completed previous lateral rehabilitation projects in that were outlined in the Level II Master Plan. The 2014 Legislative appropriation is to line two laterals located within the district.

The district has identified two problem laterals that are in need of rehabilitation due to tree root blockage. These laterals were piped to accommodate the growth of Riverton and are now located under trees, sheds, lawns, utilities, etc. The WWDC did not participate in the piping of these laterals. The district proposed to clean and line the laterals with HDPE pipe. The district requested and received funding to camera, clean, and line two of its concrete piped laterals. The cleaning and lining will prevent overflows, leakage, and seepage by eliminating the line blockage. The design and bidding for the Armstrong lateral is completed with construction completed in the winter of 2016-17. The district is trying to acquire right-of-way to complete the fairgrounds lateral.

- 130. **PROJECT:** Riverton Water Supply
- LEVEL:** III
- SPONSOR:** City of Riverton
- LOCATION:** Fremont County
- PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	99	2006	II	\$ 125,000	2008
Level III	36	2009	I	\$ 4,958,800	2015*
Level III	68	2010	I	\$ 2,125,200	2015*
Level III	100	2014	I	\$ 0	2015**
Level III	23	2015	I	\$ 2,772,000	2020*
Level III	75	2017	I	\$ 0	2020**

\* 67% grant, 10% loan, 23% Sponsor

\*\*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) has been completed 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. This summer the City was able to secure the remaining easement agreements and the project is now expected to bid in early 2018.

131. **PROJECT:** **Rock River Transmission Line Replacement**  
**LEVEL:** III  
**SPONSOR:** Town of Rock River  
**LOCATION:** Albany County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	38	1998	II	\$ 670,000	2002
Level III	100	2014	II	\$ 1,159,100	2019

\*67% grant

PROJECT INFORMATION:

The Town of Rock River (Town) obtained the services of an engineering firm to conduct an independent study to evaluate the potential for a new raw water intake system. Based on the independent study, the Town requested funding to rehabilitate their existing water transmission system, including a new intake structure on Rock River, and replacement of approximately 2.7 miles of ductile iron pipe (DIP) transmission line located just upstream of the water treatment plant (WTP). The Town reported extensive corrosion to the 2.7-mile section of transmission pipeline. The transmission pipeline is the Town's sole source of water.

In 2013 the WWDC recommended the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of \$1,159,100. The appropriation is a 67% grant for design and construction costs with the Sponsor being responsible for 33% of the project budget. The project is under construction and expected to be completed by the end of November 2017.

132. **PROJECT:** **Rock River Water Master Plan**  
**LEVEL:** I  
**SPONSOR:** Town of Rock River  
**LOCATION:** Albany County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	I	\$ 1,159,000	2019
Level I	38	2016	I	\$ 150,000	2019

PROJECT INFORMATION:

In 2015, the Town of Rock River requested funding for a Water Master Plan, Level I Study. The Town is supplied with surface water from Rock Creek, which is treated and passes downstream through a 12.7-mile transmission pipeline to the Town. The system includes a 500,000-gallon storage tank and uses about 36,000,000 gallons per year. A Level III construction project was authorized in 2014 to replace the water intake and approximately 2.7 miles of corroded, ductile iron, transmission pipeline.

Funding for a Level I master plan was approved during the 2016 legislative session to evaluate the Town of Rock River's water system. The study identified deficiencies, made recommendations to improve system operations, planned for future system replacements/improvements and planned for future population growth. The study is complete and the final project report was submitted in September, 2017.

133. **PROJECT:** Rolling Hills Groundwater Supply  
**LEVEL:** II  
**SPONSOR:** Town of Rolling Hills  
**LOCATION:** Converse County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

\*67% grant, 33% loan

\*\*67% grant

PROJECT INFORMATION:

The Town of Rolling Hills water system serves about 500 people living in the community and the adjacent area. The Town is solely reliant on groundwater from five deep wells completed into the Upper Cretaceous Lance Formation. The Town's wells yield a combined total of approximately 225 gallons per minute. The system has two ground-level storage tanks with a total combined capacity of 340,000 gallons.

The Town of Rolling Hills requested a Level II test well construction feasibility study to provide future additional supply and to provide redundancy for the Town's water system. During 2016, a lightning strike from a thunderstorm struck one of the Town's most productive wells, knocking it out of service, which resulted in a major reduction in water availability at the beginning of the summer watering season. The Town of Rolling Hills had to implement water use restrictions. The Town now desires water system redundancy and additional water supply, preferably of better quality. This Level II study commenced in June, 2017 to construct test/production Rolling Hills Well No. 7 and will be ongoing during 2018.

134. **PROJECT:** Savery Creek Diversions Phase II  
**LEVEL:** III  
**SPONSOR:** Savery-Little Snake River Water Conservancy District  
**LOCATION:** Carbon County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	141	2013	II	\$ 1,900,000	2018*

\*67% grant, 33% loan

PROJECT INFORMATION:

The Savery-Little Snake Water Conservancy District requested funding to replace two diversion structures on Savery Creek that have failed due to spring snowmelt/run off events. The project also includes construction of two new diversion structures on Savery Creek and the replacement of an existing diversion structure on the Little Snake River. The Project will provide service to various ditch companies and landowners involved in agriculture production within the Savery Creek watershed. The Project will also provide service to landowners within the Little Snake River watershed near the Little Snake River Savery Creek confluence. During their respective December



2012 meetings, the WWDC and Select Water Committee recommended that the legislature appropriate \$1,900,000 to fund the project.

This project is similar to another Level III project located in the lower main-stem of the Little Snake River Valley near Baggs, Wyoming that has been completed this year. Although it includes reconstruction/rehabilitation of a main stem Little Snake River Diversion (higher in the drainage than those currently under construction), the emphasis of the Savery Creek Diversions Phase II is construction of two new diversions and replacement of two existing diversions on Savery Creek. The District is supplying all the engineering service for these projects.

This project has 5 separate diversions under it. Four of the diversions have been completed. The Brewster-Clay diversion is the last and will have two contracts associated with it. The rock procurement contract has already been let and should be winding up soon. The design is complete and advertisement began in September 2017. A contract is being negotiated with the low bidder on this project for the work to occur in 2018. Completion of the last diversion should occur in 2018.

- 135. 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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 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 still in design.

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

\*See the Leavitt Reservoir Expansion Project

137. **PROJECT:** Shell Water Master Plan  
**LEVEL:** I  
**SPONSOR:** Shell Water Users, Inc. & Shell Town Water Users  
**LOCATION:** Big Horn County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	166-4	1983	I	\$625,000	1986
Level III	228,113	1985 & 1986	I	\$700,000	1991
Level III	113-9	1986	I	\$ 50,000	1991
Level I	38	2016	I	\$ 85,000	2019

PROJECT INFORMATION

The Town of Shell (unincorporated) was involved in the WWDC Shell Valley Domestic Water Supply Project that was built in 1987 to serve drinking water to rural users in Shell Creek valley along the existing Town of Greybull municipal pipeline. The Greybull rural/municipal supply system is currently served by three Madison aquifer wells drilled with WWDC funding. Two separate water companies have supplied Shell residents for over 30 years. The systems have separate master tap/meters off the Town of Greybull’s municipal pipeline. Both systems have recurrent issues of leaks and system failure. The desire of both entities is to update and combine the supply systems into a single current engineering standard. The Level I study is designed to determine the feasibility of joining and improving the systems such that a single system serves the town and is administered as such. The consultant services contract was executed in October of 2016 and the study began with a mid-November, 2016 scoping meeting in Shell. The study was ongoing during 2017 and will be completed in early 2018.

138. **PROJECT:** Sheridan 4MG WTP Tank  
**LEVEL:** III  
**SPONSOR:** City of Sheridan  
**LOCATION:** Johnson County  
**PROGRAM:** Rehabilitation

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	23	2015	II	\$ 2,144,000	2020*

\*67% grant

PROJECT INFORMATION:

The basis for the funding request was detailed in a Preliminary Engineering report funded by the City of Sheridan.

In 2014 the City requested funding to repair an existing 4 million gallon (4MG) water tank located at the Sheridan water treatment plant. This tank is a critical component of the City’s water system. The existing tank is 34 years old and is nearing the end of its useful life without rehabilitation. The storage tank’s roof has deteriorated to a point where post-tensioned reinforcing tendons and reinforcing steel are exposed to the elements. The compromised structural integrity of the tank roof and remaining service life have driven the request for funding.

In 2015, the City received a grant funding appropriation from the Rehabilitation Program of \$2,144,000 (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 entered construction in October of 2016 and the project was completed in 2017. During the course of construction and draining the tank, a section of the drain line failed. A new DEQ permit was required in order to complete repairs of the tank. This portion of the project is currently being evaluated by the engineer for an appropriate repair path.

- 139. PROJECT: Sheridan Leopard Street Pipeline**  
**LEVEL: III**  
**SPONSOR: City of Sheridan**  
**LOCATION: Johnson County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 DeSmet.

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/Sherman intersection. The existing 14-inch cast iron transmission line is in poor condition and is need of 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 would be 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 was been re-bid and the construction is anticipated to be completed in 2018.

- 140. 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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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). Recent surveys conducted by the consulting firm charged with completing the Level II, Phase II Study indicate 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. The Sponsors will provide 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.

- 141. PROJECT: Shoshone Irrigation District Rehabilitation 2015**  
**LEVEL: III**  
**SPONSOR: Shoshone Irrigation District**  
**LOCATION: Park County**  
**PROGRAM: Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	99	2006	II	\$ 300,000	2008
Level III	23	2015	II	\$ 290,000	2020*

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

**PROJECT INFORMATION:**

The Shoshone Rehabilitation 2015 Project consists of replacing two concrete drop structures on the Garland Canal, and replacing three ditch segments with buried pipe. 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 7,140 feet, serving about 352 acres. Laterals 50F and 16T 14&15 were initially included as a part of the Shoshone Rehabilitation 2011 Project but were not built because project funding was short.

Construction of the Lateral 16T 14&15 pipeline, the Lateral 9V pipeline, the Lateral 50F pipeline, the Garland Canal Drop Structures #25 and #23, and the installation of an automated overshot gate on Garland Canal Drop Structure #31 is complete. Funding from WWDC was used to purchase invoiced materials and the sponsor paid for the engineering, land rights, and permits, and provided labor, equipment, and other resources necessary for construction of the project. This project was completed prior to the 2017 irrigation season.

- 142. PROJECT: Shoshone Irrigation District Rehabilitation 2017**  
**LEVEL: III**  
**SPONSOR: Shoshone Irrigation District**  
**LOCATION: Park County**  
**PROGRAM: Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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, and permits, and 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. 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 7,400 feet.

The sponsor plans to construct one Garland Canal Drop Structure and one or two pipeline segments during the 2017-2018 winter. The remaining work will likely begin in the fall of 2018 and the project completed in 2019.

- 143. **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:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 is planning a future 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 has initiated and is anticipated to be completed in 2018.

- 144. **PROJECT:**                    **Sidon Irrigation District Rehabilitation 2016**
- LEVEL:**                        **III**
- SPONSOR:**                    **Sidon Irrigation District**
- LOCATION:**                    **Park and Big Horn County**
- PROGRAM:**                    **Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	II	\$ 109,000	2019*
Level III	55	2016	II	\$ 352,500	2021*

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

**PROJECT INFORMATION:**

The project authorization is for 100% grant funds to finance the purchase of invoiced materials to replace the Hinckley lateral with pipe. The total pipe length is approximately 10,400 feet.

The WWDC recommended that the project be placed in Level III status and in 2016 the Legislature appropriated \$352,500 in a materials only grant for the project. The Sponsor will be responsible for any engineering and construction costs.

This project was one of three that were requested in 2016. Because of a lack of funds in account 2, only 1 project was allowed. As of June 2017, the project was nearly complete except for some concrete placement and the final walk of the project. The District is considering a request to use some of the remaining funds for another lateral. No formal request has been made yet.

- 145. PROJECT: Sidon Irrigation District Rehabilitation 2017**  
**LEVEL:** III  
**SPONSOR:** Sidon Irrigation District  
**LOCATION:** Park and Big Horn County  
**PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	II	\$ 109,000	2019*
Level III	55	2016	II	\$ 352,500	2021*
Level III	75	2017	II	\$ 483,000	2022*

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

**PROJECT INFORMATION:**

The project is for authorization of grant funds to finance the purchase of invoiced materials to replace the Gwen lateral with pipe. The total pipe length is approximately 14,700 feet.

The WWDC recommended that the project be placed in Level III status and that the Legislature appropriate \$483,000 in a materials only grant for the project in 2016. The Sponsor will be responsible for any engineering and construction costs. The project design is complete and a contractor was selected in November 2017.

- 146. PROJECT: Small Water Development Projects**  
**LEVEL:** III  
**SPONSOR:** Numerous  
**LOCATION:** Statewide  
**PROGRAM:** New Development/Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Small Project	88	2002	I	\$ 500,000	
Small Project	118	2004	I	\$ 750,000	
Small Project	114	2005	I	\$ 500,000	
Small Project	32	2010	I	\$ 200,000	
Small Project	14	2011	I	\$ 300,000	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	88	2002	II	\$ 500,000	
Small Project	118	2004	II	\$ 750,000	
Small Project	114	2005	II	\$ 500,000	
Small Project	32	2010	II	\$ -200,000	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

**PROJECT INFORMATION:**

Pursuant to W.S. 99-3-1903(k)(vii) and 99-3-1904(m)(vii), a small project is a project in which estimated construction or rehabilitation costs, permit procurement, construction engineering and project land procurement are one hundred thirty-five thousand dollars (\$135,000.00) or less and 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, and irrigation facilities.

Projects must provide a public benefit through mitigation of water quality impairments, enhancement of threatened or endangered species habitat, the development or enhancement of habitat and water for fish and wildlife, increased recreational opportunities, provide water for maintenance of the integrity and vitality of plant and animal communities, serve as instruments to improve rangeland condition, or make beneficial use of water, as documented in a WWDC Level I watershed study. Also, the Small Water Project Program was extended to July 1, 2025. The following is a list of ongoing projects:

<b>Project Name</b>	<b>Date Approved</b>	<b>Account</b>	<b>Expiration</b>
Battle MT Stock Ponds Kaisler	06-Mar-15	I	31-Dec-17
Battle Mt Stock Ponds Ladder Livestock	06-Mar-15	I	31-Dec-17
Carollo 001 Davis No.2 Reservoir Enlargement	06-Mar-15	I	31-Dec-17
Coyote Draw Pipeline and Tank	06-Mar-15	I	31-Dec-17
CR 002 Seep/Spring Hoof Print	06-Mar-15	I	31-Dec-17
CR 003 Bridger Well No 13	06-Mar-15	I	31-Dec-17
Cumberland Well #29 Pipeline	06-Mar-15	I	31-Dec-17
Julian 001 State Section Pipeline	06-Mar-15	I	31-Dec-17
Kofford 001 Wildflower Spring Development	06-Mar-15	I	31-Dec-17



<b>Project Name</b>	<b>Date Approved</b>	<b>Account</b>	<b>Expiration</b>
Kofford 002 Clifford Spring Development	06-Mar-15	I	31-Dec-17
Walker 001 Pipeline	06-Mar-15	I	31-Dec-17
West Dad Wetland	06-Mar-15	I	31-Dec-17
BLM Reservoirs Reconstruction and Pipe Installment 2015	06-Mar-15	II	31-Dec-17
Cottonwood Reservoir Rehabilitation	06-Mar-15	II	31-Dec-17
Nelson Ditch Headgate and Diversion Structure	06-Mar-15	II	31-Dec-17
East Arkansas Pipeline Extensions and Point of Rocks	04-Jun-15	II	31-Dec-17
Bad Spring Pond Reconstruction	04-Mar-16	I	31-Dec-18
Big Creek Well	04-Mar-16	I	31-Dec-18
Little Savery Stock Pond	04-Mar-16	I	31-Dec-18
Matt Weber Pond	04-Mar-16	I	31-Dec-18
Meadow Draw #6	04-Mar-16	I	31-Dec-18
Muddy Creek Check Structure	04-Mar-16	I	31-Dec-18
Oppenheimer Water Well	04-Mar-16	I	31-Dec-18
Powder Rim Pasture D Water Well	04-Mar-16	I	31-Dec-18
Wildcat #5 Spring Development	04-Mar-16	I	31-Dec-18
Wildcat Butte Well Rehabilitation	04-Mar-16	I	31-Dec-18
BLM Reservoir Reconstruction 2016	04-Mar-16	II	31-Dec-18
Dexter Peak Ranch Stock Reservoir 2016	04-Mar-16	II	31-Dec-18
Hangout Well	04-Mar-16	II	31-Dec-18
Red Creek #2 Well	04-Mar-16	II	31-Dec-18
Wadsworth Reservoir Leak Repair	04-Mar-16	II	31-Dec-18
Badlands West Spring	03-Mar-17	I	31-Dec-19
Bald Mountain Spring	03-Mar-17	I	31-Dec-19
Bonnie Pasture Water Well	03-Mar-17	I	31-Dec-19
Bull Springs Water Development	03-Mar-17	I	31-Dec-19
Churches Small Water Project	03-Mar-17	I	31-Dec-19
Cobb Dutch Joe Pipeline	03-Mar-17	I	31-Dec-19
Little Savery State Lands Stock Pond	03-Mar-17	I	31-Dec-19
Lower Snake River Ranch State Land Stock Pond	03-Mar-17	I	31-Dec-19
Mascaro #2 Well	03-Mar-17	I	31-Dec-19
McAllister State Lands Stock Ponds	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 Mountain Well Pipeline	03-Mar-17	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
Peroulis R. Weber Stock Water Pond and Pit	03-Mar-17	I	31-Dec-19

<b>Project Name</b>	<b>Date Approved</b>	<b>Account</b>	<b>Expiration</b>
Purple Sage Flat Top Water Well	03-Mar-17	I	31-Dec-19
Red Wash Stock/Wetland Pond #9	03-Mar-17	I	31-Dec-19
Red Wash Wetland Pond #8	03-Mar-17	I	31-Dec-19
Red Wash Wetland Ponds #7 and Stock Water Pit	03-Mar-17	I	31-Dec-19
Red Wash Wetlands Conveyance, Irrigation Improvements, and Enlargement	03-Mar-17	I	31-Dec-19
Sheehan Ranch Pipeline	03-Mar-17	I	31-Dec-19
Tanner Hill Spring	03-Mar-17	I	31-Dec-19
Trough at Calf Pen - Roberts	03-Mar-17	I	31-Dec-19
7E Ranch Diversion #1 and #2	03-Mar-17	II	31-Dec-19
BLM Reservoir Reconstruction 2017	03-Mar-17	II	31-Dec-19
Corson buried Irrigation pipeline and division box	03-Mar-17	II	31-Dec-19
Leo Reservoir Reconstruction - RI#920857 BLM	03-Mar-17	II	31-Dec-19
Lowham Stock Reservoir Rehabilitation	03-Mar-17	II	31-Dec-19
Old Steve Adams Diversion	03-Mar-17	II	31-Dec-19
Purple Sage Ranch Bank Stabilization 2017	03-Mar-17	II	31-Dec-19
Soaphole Ditch	03-Mar-17	II	31-Dec-19
State Land Irrigation Improvements	03-Mar-17	II	31-Dec-19
Trail Creek Water Control Structure Replacement	03-Mar-17	II	31-Dec-19

147. **PROJECT:** South Big Horn County Pipeline  
**LEVEL:** III  
**SPONSOR:** South Big Horn County Rural Water District  
**LOCATION:** Big Horn County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	206/59/38	1995/1996/1998	I	\$ 6,230,000	Complete*
Level II	74	2014	I	\$ 100,000	2015
Level III	55	2016	I	\$ 3,557,700	2021**

\*Combined funds that succeeded in building the system that connected the Wild Horse wellfield with rural users in Big Horn County and municipal users in Basin and Manderson.

\*\* 67% grant

**PROJECT INFORMATION:**

The WWDC completed the South Big Horn County Rural Water District Expansion Level II Study including conceptual plans, cost estimates and financing options for extending regional supply west of Greybull and Basin. The study also completed a Level II approach for extending Big Horn Regional Joint Powers Board water beyond and through inhabited rural areas (Otto) along HWY 30 to the Town of Burlington. The SBHCRWD recently expanded its boundaries to the west to encompass lands and rural users seeking reliable drinking water. This project reaches through the newly annexed area up the Greybull River corridor with approximately 12½ miles of 10-inch and 6-inch transmission line. Incremental growth of the regional service area was foreseen and the

project represents the local desire for replacing deficient domestic supplies with reliable and safe drinking water in an expansion up the Greybull River corridor.

The SBHCRWD received appropriation in 2016 for the design and construction of a transmission pipeline. The project agreement and documents were signed in June 2016. The project was awarded to the lowest bidder in November, 2017. Construction will begin in November 2017, and the project is expected to be completed by the fall of 2018.

- 148. PROJECT: South Platte River Watershed Study**  
**LEVEL: I**  
**SPONSOR: Laramie County Conservation District**  
**LOCATION: Laramie County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	38	2016	I	\$ 395,000	2019

PROJECT INFORMATION:

The Laramie County Conservation District requested a watershed study to evaluate watershed function, current condition of wetlands and riparian areas within the drainage, geomorphic classification of rivers and streams, and to provide hydro-geologically based recommendations for future groundwater resource utilization and recharge. This information would provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage.

The South Platte Watershed includes the following sub-watersheds: Cache LaPoudre, Lone Tree Creek, Crow Creek, Lodgepole Creek, and Sidney Draw. Several streams in the headwaters have become polluted leading to their inclusion on the State of Wyoming's 303d list of impaired waterbodies. The District anticipates that this study can identify opportunities to improve stock watering infrastructure that would assist in improving water quality on the listed streams. Additionally, the dependence on groundwater irrigation in the eastern portion of the county has resulted in significant drawdowns in groundwater levels over the last 40 years. The District also believes that this study can provide recommendations on irrigation efficiencies, aquifer recharge, and/or system management that could provide opportunities to assist in reversing declining groundwater. The project began in June, 2016 and the response has been positive. The project is ongoing with completion anticipated in late 2017.

- 149. PROJECT: South Worland Water Master Plan**  
**LEVEL: I**  
**SPONSOR: South Worland Water Users Corporation**  
**LOCATION: Washakie County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	38	2016	I	\$ 90,000	2019

PROJECT INFORMATION:

The South Worland Water Users Corporation requested funding for a Level I water master plan study of their 43 year old water system. This domestic/residential water system extends from the

eastern corporate boundary of Worland south to the airport. The area is made up of both subdivisions and unplatted developments in Washakie County in northcentral Wyoming. Meters and mechanical fittings that are beginning to fail need replacing, yet their emergency funds are diminishing.

A consultant services contract was executed in late September, 2016 and the study began with a scoping meeting in Worland on November 1, 2016. The study evaluated the current conditions of the water system and provides the tools and guidance needed to assist in the planning, rehabilitating, upgrading, and managing of their system. Specific needs included an assessment of major system features, a leak survey, testing of meters, and digital mapping. The Level I master plan study identified the parts of the existing water system that are deficient and provided a prioritized schedule for improvements. The study was completed in November, 2017. The sponsor has yet to decide on forming a district or whether to request to be assumed into the Washakie Rural Improvement and Service District

- 150. 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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Sponsor’s Contingency	105	2006	I	\$ 2,000,000	2025
Sponsor’s Contingency	68	2010	I	\$ 0 <sup>1</sup>	2025
Sponsor’s Contingency	14	2012	I	\$ 0 <sup>1</sup>	2025
Sponsor’s Contingency	167	2015	I	\$ 0 <sup>1</sup>	2025
Sponsor’s Contingency	75	2017	I	\$ 0 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	2025

<sup>1</sup> Time Extension Only

† Appropriation increase and time extension.

PROJECT DESCRIPTION:

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.

- 151. PROJECT:** Squaw Creek Water Supply  
**LEVEL:** III  
**SPONSOR:** Squaw Creek Water District  
**LOCATION:** Teton County  
**PROGRAM:** New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	123	1990	I	\$ 35,000	1991
Level II	43	1992	I	\$ 250,000	1993
Level II	74	1993	I	\$ 300,000	1994
Level III	105	2006	I	\$ 177,550	2010*
Level II	32	2010	I	\$ 175,000	2013
Level III	23	2015	I	\$ 308,200	2020**

Ground Water Exploration Grants: 2004, 2005, 2007 – \$125,472.75 Total

\*Reverted July 1, 2010

\*\*67% grant

PROJECT INFORMATION:

The Squaw Creek Water District (SQWD) includes approximately 540 acres of land located about seven miles south of the Town of Jackson. The District was first formed in 1981 to take over operation of an existing private spring source and water supply system. There is currently a total of about 80 lots in the service area. In the early 1990's, the WWDC funded an unsuccessful attempt to drill a deep well at Squaw Creek and ultimately developed two alluvial wells in the Game Creek drainage. Due to deteriorating production from the Game Creek wells and a senior water right limiting use of the spring prompted the District to seek additional source supplies. In 2004, the district received a WWDC Ground Water Exploration Grant for test well drilling. Late in 2005, the district applied for Level III funding to enable them to bring a new well into service. At the time of their application, the new well had not been completed. Unfortunately, the new well was not a good producer and the completion/connection work could not take place.

Re-evaluation of the development of a new well and/or spring source was considered during the 2007 construction season. In August 2007, a budget increase to the Groundwater Grant was made to allow a second attempt at drilling a well. A U.S. Forest Service Special Use Permit was secured for drilling of this second well in October 2009 and the well was drilled in November 2009. Unfortunately, the second well was unsuccessful.

In December 2009, the district, which is at 95% of total build-out, requested consideration of funding a Level II feasibility study to review available alternatives to increase water supply. The 2012 Level II feasibility study reviewed and made recommendations on any/all alternatives to increase the quantity of the district's water source to meet current and future demands. The study included the technical and financial analyses of several alternatives: the redevelopment of the existing spring source, redeveloping existing shallow wells along Game Creek, drilling additional shallow well(s) along Game Creek, purchase of water rights from existing wells in the vicinity of the district, the development of a well in the Flat Creek/Snake River alluvium and deep drilling. Alternatives were narrowed to an examination of a well that serves the county waste transfer station. In June 2012, a 32-hour pump test and down-hole video survey revealed promising aquifer properties at the well site situated about 1 mile from the district boundary. Based on these results, the district requested a continuation of the Level II study in 2013 to include a test well drilling/testing program budget.

In August and September 2013, a test well was drilled on USFS land in the vicinity of Teton County Well No. 1 to determine aquifer properties of the Camp Davis Formation. In a dual completion of the well, pump testing of the till aquifer revealed unsustainable production properties and influence on the county well. The Camp Davis Formation proved to be a low producer based on its poorly sorted-texture and clay matrix composition. Unfortunately, this site was proven not feasible for the District's needs. In September of 2014, test drilling commenced in the Flat Creek alluvium across

US HWY 89/191 on Wyoming Game & Fish Wildlife Habitat property, however the alluvial sands and gravels were found to be too shallow to complete a well.

The study therefore concluded in late 2014 with a recommendations to the District to utilize its existing source supplies with best efficient operation practices, reconfigure the Game Creek well system, and add additional storage.

In 2015, the Sponsor received a 67% grant in the New Development Program with an appropriation of \$308,200. The design is complete and construction should be completed by the end of 2017.

- 152. PROJECT: State Line Canal Diversion**  
**LEVEL:** III  
**SPONSOR:** Savery-Little Snake River Water Conservancy District  
**LOCATION:** Carbon County  
**PROGRAM:** Rehabilitation

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	II	\$ 750,000	2019*

\*67% grant, 33% loan

**PROJECT INFORMATION:**

The District requested funds in 2013 for the reconstruction of the State Line Canal Diversion structure on the Little Snake River. The Legislature awarded the District \$750,000 for the project in the form of a 67% grant and a 33% loan. The District elected not to take the loan portion.

The District is supplying all engineering services for this project. At this time, the diversion structure is complete and in operation. The remaining portion of the project which included some modifications upstream of the structure are on hold pending additional funds.

As of June 2017, this project is complete with the exception of four rock barbs that were designed for one of the upstream sections of the Little Snake River. The stone will be delivered this winter and installed in the spring or summer of 2018.

- 153. PROJECT: State Water Plan**  
**LEVEL:** I  
**SPONSOR:** State of Wyoming  
**LOCATION:** Statewide  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**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.

Following are summaries for each Basin Plan, Groundwater Plan, the Framework Water Plan, and other 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.

- 154. **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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	65	2017	III	\$ 300,000	2022

PROJECT INFORMATION:

In 2016, the Bridger Valley Water Conservancy District (District) proposed to sponsor a Level II study to continue analyzing the feasibility associated with an enlargement of Stateline Dam. The facility 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 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, \$600,000 was appropriated for feasibility study sponsored by the District 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 WWDO contract to conduct a Level II, Phase I Feasibility Study in which to perform hydrologic modeling, conservation and screening analysis, alternatives analysis, environmental analysis, preliminary geotechnical analysis, and economics analysis. This analysis is a broad-based approach to determine if any fatal flaws exist that would halt the progress of an enlargement to the dam. The District has been presented with project findings, the final report has been reviewed by staff and the project is now complete. 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 2018.

As stated, one component of the Meeks Cabin Level II, Phase I Study was an alternatives analysis. Therefore, to satisfy potential NEPA related questions, alternatives to the enlargement of Meeks Cabin Dam were considered to determine the best alternative from a federal permitting and multiple purpose 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 show 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. Therefore, during the 2017 General Session, \$300,000 was appropriated 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. This technical assistance with Reclamation is now underway as Task Order 2017-2 under the existing Technical Service Agreement 15-WC-40-559. The task order will further refine the feasibility of enlarging the facility and include 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. Task Order 2017-2 is expected to be completed by the end of 2018.

- 155. PROJECT: Statewide Water Research**  
**LEVEL: I**  
**SPONSOR: State of Wyoming**  
**LOCATION: Statewide**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**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:

- 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.
- Conducting high resolution modeling of precipitation, snowpack and streamflow in Wyoming and quantifying water supply variations in future decades.
- Quantifying return flow in the Upper Wind River Basin.
- Investigating the use of groundwater modeling to understand and quantify groundwater flow in the Casper Aquifer.
- Developing a new technology for on-arm or on-site reduction of salinity and alkalinity to lower carbonate and bicarbonate from coproduced waters discharged from the energy industry.

**156. PROJECT: Sundance PRV Improvements 2016**  
**LEVEL: III**  
**SPONSOR: City of Sundance**  
**LOCATION: Crook County**  
**PROGRAM: New Development**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	57	2012	I	\$ 150,000	2015
Level II	74	2014	I	\$ 183,000	2017
Level III	55	2016	I	\$ 137,350	2021*

\* 67% grant

PROJECT INFORMATION:

The August 2015, Level II Sundance Water System Feasibility final report recommended this Level III construction project and the City listed this project as their number two priority. The Sundance PRV Improvements project is designed to upsize three pressure relief valves (PRVs) in the City of Sundance to improve fire flows throughout the system. The PRVs to be up-sized are the East, West, and 585 pressure reducing stations.

In 2016, the City of Sundance received Level III appropriation to up-size the three PRVs identified in the Level II study. The project is in the construction phase, and it is expected to be closed out by the spring of 2018.

**157. PROJECT: Sundance Transmission Pipeline 2016**  
**LEVEL: III**  
**SPONSOR: City of Sundance**  
**LOCATION: Crook County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	57	2012	I	\$ 150,000	2015
Level III	55	2016	I	\$ 713,550	2021*

\* 67% grant

**PROJECT INFORMATION:**

The August 31, 2015, Level I Sundance Water System Reconnaissance final report recommended this Level III construction project and the City listed this project as their number one priority. This construction project is designed to construct a larger diameter transmission pipeline of 12-inch PVC pipe to improve fire flows throughout the system and especially to the new elementary school, which is currently under construction.

In 2016, the City of Sundance received Level III appropriation to construct a 12-inch transmission pipeline that was identified in the Level I study. The project is currently in the construction phase, and it is expected to be closed out by the spring of 2018.

158. **PROJECT:** Sunlight Basin Instream Flows  
**LEVEL:** I  
**SPONSOR:** WWDO  
**LOCATION:** Sunlight Basin north of Cody, Wind/Bighorn Basin, Wyoming  
**PROGRAM:** Instream Flow Studies

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation<sub>1</sub></u>	<u>Due Date<sub>2</sub></u>
Level I	31	2016	I	\$47,460	2019

1. Appropriation refers to contract amount.
2. Due Date refers contract expiration year.

**PROJECT INFORMATION:**

The Wyoming Game and Fish Department (WGFD) identified three stream reaches within the Sunlight Basin north of Cody where instream flows are critical and unappropriated surface water appears available. The first segment is on Muddy Creek, and its watershed (HUC12 100700060301) encompasses approximately 35.5 square miles. The second segment is on Crandall Creek, and its watershed (HUC10 1007000602) encompasses approximately 35.5 square miles. The third segment is on Dead Indian Creek, and its watershed (HUC12 100700060304) encompasses approximately 61.7 square miles. All segments are located in Park County and are tributaries to the Clarks Fork River.

WGFD conducted field studies and prepared a biological report that identified the minimum amount of water necessary to maintain or improve existing fisheries. A water right application was prepared with the Wyoming Water Development Commission (WWDC) as the applicant. The application was submitted to the State Engineer's Office. The date that the application was accepted established the priority date of the water right. Per Wyoming Statute 41-3-1004 (a), the WWDC is then charged to produce an instream flow study to determine whether or not unappropriated water is available to support flows requested by the WGFD:

*Immediately after permits have been applied for under W.S. 41-3-1003 (c), the water development commission shall determine the feasibility of providing instream flows for the recommended segments of streams from unappropriated direct flows or from existing storage facilities or from new facilities.*

The WWDC contracted with an engineering consultant to complete this hydrology study on the availability of unappropriated water to meet the water rights application requested flows. Primary tasks conducted during the study include: a water rights inventory; compilation of flow, diversion, and storage records; installation of gaging sites and flow measurements; hydrology and unappropriated flow analyses; and, a daily flow exceedance analysis. Upon completion of this study, the WWDC will submit the final report to the State Engineer's Office (SEO). The State Engineer then uses the report findings, along with WGFD biological report and public comment, to issue an instream flow permit.

This project was initiated with a Notice to Proceed issued on June 23, 2017. Work performed thus far by the consultant includes the installation of gaging sites, compilation of water right records, and historic hydrologic data analyses. This project is on schedule and on budget with draft and final reports expected by November and December, 2018, respectively.

- 159. PROJECT: Sweetwater Water Supply**  
**LEVEL: III**  
**SPONSORS: Sweetwater Improvement & Service District**  
**LOCATION: Weston County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 has completed a Level I 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 designed and permitted and is currently in the bidding phase.

- 160. PROJECT: Thayne Tank 2017**  
**LEVEL: III**  
**SPONSOR: Town of Thayne**  
**LOCATION: Lincoln County**  
**PROGRAM: New Development**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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 storage tank and to rehabilitate their existing tank as part of the project. The rehabilitation is not considered WWDC eligible. The Town’s water 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 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 Town is in the process of hiring a consultant engineer to design the project. The project is anticipated to go to construction in late 2018.

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

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	74	2014	I	\$ 135,000	2015
Level III	75	2017	II	\$ 1,545,200	2017

**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 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 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 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 Engineer, completed the design process and secured the necessary permits and easements. The Project is anticipated to go to bid in early 2018.

- 162. **PROJECT:**                    **University of Wyoming Irrigation Water Supply**
- LEVEL:**                            II
- SPONSOR:**                        University of Wyoming
- LOCATION:**                        Albany County
- PROGRAM:**                        New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	38	2016	I	\$ 270,000	2019

PROJECT INFORMATION:

In accordance with the 2015 Session of the 63rd Legislature of the State of Wyoming, Enrolled Act No. 56, the University of Wyoming sought WWDC funds to develop non-potable sources of groundwater for irrigating the Red Jacoby Golf Course. The golf course currently irrigates approximately 138 acres solely with treated, potable water purchased from the City of Laramie. Golf course irrigation uses approximately 63 million gallons per year and usage may exceed 75 million gallons during dry years. The University believed the benefits of completion of such a Level II study would lead to a reduction in the use of potable water for irrigation, a reduction in man-hours to operate and maintain the golf course, a better financial outlook for the golf course operation, and better turf quality.

The 2016 Wyoming State Legislature funded this Level II study with an appropriation of \$270,000. The July-September 2016 geophysical investigation identified several potential target areas for well construction east of the golf course and one site was selected for the construction of the test/production well. The hydrogeological interference opinion technical memorandum was completed on October 25, 2016. The drilling and construction of a 756-foot deep, Casper Aquifer test/production well (Well JRA-1) was accomplished in November/December 2016.

Subsequent testing indicated the well would yield approximately 75 gpm and this yield was insufficient to utilize the well for irrigation purposes for the golf course. The well was capped and locked on January 11, 2017. This study is scheduled to be completed with the final project report in early 2018.

- 163. PROJECT: Upper Snake River Watershed Study**  
LEVEL: I  
SPONSOR: Teton Conservation District  
LOCATION: Teton County  
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	168	2015	I	\$375,000	2018

PROJECT INFORMATION:

The Teton Conservation District requested a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification of rivers and streams. This information would provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage including enlargement of existing water storage facilities, irrigation diversion/conveyance systems, upland livestock/wildlife water management and rehabilitation plans are also of interest.

The Upper Snake River watershed, located primarily in Teton County, covers approximately 1,772,000 acres. Land ownership in the watershed is predominately federal (~95%), and private (~3%). The Upper Snake River watershed includes the primary stream system of the Snake River and numerous tributaries including the Gros Ventre River, Flat Creek, Fish Creek, Buffalo Fork, Pacific Creek, Spread Creek and Fall Creek. Jackson Lake Dam and Reservoir and Grassy Lake

Dam and Reservoir are Bureau of Reclamation storage facilities located in the watershed and operated as part of the Minidoka project. Palisades Dam and Reservoir, located on the South Fork of the Snake River, is also managed in conjunction with the Minidoka Project. There are numerous smaller surface water impoundments within the watershed.

This study developed an inventory and description of the watershed including 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 7 public meetings and multiple site visits. Key issues and opportunities in the watershed were identified and discussed. The site visits included the appropriate team members to evaluate the project and ensure that any conceptual design was developed in recognition of the need to ensure that all proposed projects in the watershed study were evaluated holistically.

As a result, an evaluation of varied systems resulted in 40 potential watershed improvement projects. These projects include:

- 20 irrigation system improvements projects totaling \$2.6 million
- 4 upland watering projects totaling \$135,698
- 9 surface water flood and water supply/storage improvement totaling \$133, 979
- 4 stream channel condition improvement projects
- 2 projects classified as other management practice improvement projects

Final draft report presentations were held at the Antler Inn in Jackson on September 20, 2016 and the Moran Fire Station #4 in Moran on September 22, 2016. The final project report was submitted November, 2016.

**164. PROJECT: Viva Naughton Enlargement**  
**LEVEL: II**  
**SPONSOR: State of Wyoming**  
**LOCATION: Lincoln County**  
**PROGRAM: Dams and Reservoirs**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	7	2002	I	\$ 300,000	2004
Level II	75	2005	III	\$ 300,000	2016
Level II	85	2007	III	\$ 250,000	2016
Level II	66	2009	III	\$ 150,000	2016
Level II	74	2014	III	\$ 375,000	2017

PROJECT INFORMATION:

Over the course of a number of years, the Viva Naughton Enlargement Study has taken several turns due to new information becoming available. The 2001 Green River Groundwater Recharge and Alternative Storage Study identified a Viva Naughton Reservoir Enlargement as a water development project that could efficiently meet agricultural water shortages on the Hams Fork River. In 2002, the water users in the Hams Fork Valley requested and began a Level II Storage



Feasibility Study to investigate potential options for additional water supplies on the Hams Fork. Three options, the Viva Naughton Enlargement, Dempsey Basin Dam, and Willow Creek Dam, were identified with any of the three options able to ease shortages if constructed.

In 2005, Phase II work started to further analyze the three sites, with Willow Creek eventually falling off as a result of the discovery of a nearby underground coal mine. Delays were encountered on the geotechnical investigation of the Dempsey Basin site due to cultural resources and BLM permitting requirements. Beginning in 2007, geotechnical investigation was able to proceed on Dempsey Basin, followed by wetland mitigation analysis near Viva Naughton Reservoir, then updating of conceptual designs and cost estimates. During this work, an alternate site named Upper Dempsey Basin was proposed that could potentially be more favorable in the aspect of land ownership, NEPA, SHPO, and embankment quantities. Additional investigation took place on the Upper Dempsey Basin site starting in 2009. Upon completion of the data gathering, issues still remained regarding the difficulty in supplying water to the Dempsey sites, cultural resources, and environmental impacts. With the feasibility of the proposed projects in question, it was decided that scaling the project back may be the only reasonable path forward. This led to the concept of a nominal 3' raise on Viva Naughton Reservoir. Ultimately, during the Phase II investigation, information was developed for four storage alternatives; the Viva Naughton Reservoir Enlargement, Lower Dempsey Basin Reservoir, Upper Dempsey Basin Reservoir, and to a lesser extent the nominal raise of Viva Naughton Reservoir. Each alternative had some degree of impact on existing facilities, cultural resources (Dempsey-Hockaday Trail), wetland and riparian areas, big game habitat, and sage grouse habitat, with the nominal raise of Viva Naughton Reservoir scoring the best and being the preferred alternative.

Discussions ensued with PacifiCorp, owner of Viva Naughton Reservoir and holder of currently filed undeveloped water rights, which led to their support of pursuing the nominal enlargement of Viva Naughton Reservoir. In 2014, refinement of information on the nominal raise began. Needing to obtain sensitive data on the Viva Naughton facility, PacifiCorp required an MOU to be drafted, laying out project expectations and responsibilities of the parties involved. This necessity and the postponed receipt of facility information resulted in a slow start to the work. Subsequently, hydrologic modeling was updated and a topographic survey completed. This provided for an analysis of the timing, length, and depth of inundation for existing wetlands. The aquatic resource inventory was revised and a functional assessment completed to determine tolerance of the wetland vegetation to predicted hydrology. The sage grouse Density and Disturbance Calculation Tool (DDCT) was updated based on the nominal raise of the reservoir and new guidance on calculating existing disturbances to determine the total surface disturbance and compliance with the Greater Sage-Grouse Executive Order. Following that, a geotechnical evaluation for the nominal raise was completed based on existing information, which then led to the development of a subsurface exploration plan to collect geotechnical data from the core, downstream shell, and foundation to refine the seismic deformation analysis and support the design of raising the normal water surface elevation. Even though PacifiCorp owns Viva Naughton Reservoir, the Federal Energy Regulatory Commission (FERC) has regulation authority. Therefore, PacifiCorp was responsible for submitting the proposed geotechnical drilling plan to FERC for review and approval before the actual drilling task could be completed. Due to FERC's heightened sensitivity toward drilling in to dam embankments, increased coordination effort and review time with PacifiCorp and FERC was required.

While coordinating with PacifiCorp for drilling approval, discussions turned to the future plans for their Naughton Plant. Effectively, the passing of stringent regulations on coal power in the United States, such as the Clean Power Plan of 2015, in combination with the economics of updating the Plant, had reversed what started out as the potential for expansion to a discussion of converting

units to natural gas and eventually decommissioning some units. This in turn led to discussions on future water needs of the Plant. The new information from PacifiCorp prompted the WWDO to inquire about PacifiCorp leasing a volume of existing storage water, equivalent to the nominal raise, to the Hams Fork Water Users Association (HFWUA). The proposition was vetted with the PacifiCorp administration and then discussed with the HFWUA. Both parties agreed that the idea was sensible and proceeded with developing the details of an agreement. With the implementation of the proposal, the need for an enlargement project has been satisfied. The work completed to date on the nominal raise of Viva Naughton Reservoir has been documented in a supplement to the Phase II Study and the project closed out. The remaining tasks of geotechnical drilling, flood hydrology and routing, and preliminary design were not completed and provided a cost savings to the program.

To summarize, during the early 2000's, when the Viva Naughton Enlargement Study started, PacifiCorp was interested in expanding the capacity of the Naughton Powerplant. The expansion would have entailed additional water demands. Recent environmental regulations and PacifiCorp's long term plan to meet these regulations through coal to natural gas conversion and/or shutting down units, has reduced the need for additional water storage. This has put PacifiCorp in a position to lease water to the HFWUA from the Viva Naughton Reservoir facility. Both parties have expressed a willingness to pursue a supplemental Water Use Agreement which would allow the HFWUA to utilize an additional 4,000 acre-feet of water.

This arrangement is beneficial to the HFWUA, as stored water is available immediately rather than waiting for permitting and construction of an enlargement, the firm yield of the existing reservoir is higher than that for an enlargement, a reasonable fixed rate will be set for leasing the water per acre-foot, there will be no operation and maintenance or loan reimbursement obligations, and the landowners will have the flexibility to lease only the water needed from year to year.

- 165. PROJECT: Weather Modification Bighorn, Laramie, Medicine Bow and Sierra Madre Mountains-2016**  
**LEVEL:** III  
**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

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level II	34	2004	I	\$ 100,000	2006
Level II	75	2005	I	\$8,825,000	2011
Level II	32	2010	I	\$2,850,000	2013
Level II	57	2012	I	\$2,400,000	2015
Level III	23	2015	I	\$1,447,500	2020

**PROJECT INFORMATION:**

Building on the release of the summary findings of the Wyoming Weather Modification Pilot Program (WWMPP) which showed an accumulation of evidence from the statistical, modeling, and physical analysis and suggested a positive seeding effect on the order of 5 to 15%, the Legislative Select Water Committee (SWC) put forth this Level III project to “jumpstart” the transition from research to operational cloud seeding programs in the Medicine Bow/Sierra Madre (MBSM), Big Horn and Laramie Ranges. The randomized statistical experiment portion of the

WWMPP took place in the Medicine Bow and Sierra Madre Ranges, and as such, a rich dataset of information exists for these ranges.

The MBSM final design and permitting study is nearly complete with the final report scheduled to be delivered at the end of 2017. This report will provide recommendations regarding the operational design to be deployed, including the method of seeding agent delivery (ground and/or airborne), the siting and ownership of generators, operational and institutional constraints, and a benefit/cost analysis.

Preliminary results of the operational design included placing ground-based generators on federal, state and private lands. A Special Use Permit application (SF299) was submitted by the WWDO to the U.S. Forest Service (USFS) in February 2016 to initiate the National Environmental Policy Act (NEPA) process. The SF299 application was denied by the USFS in August 2016 on the basis of nonconformance with USFS policy in regards to conducting long term weather modification over wilderness areas. A new SF299 application (requesting a shorter 15-year time period) was then submitted to the USFS in December 2016 and was formally accepted by the USFS in February 2017 as meeting all of the initial and second-level screening criteria. Currently, the WWDO is awaiting further instruction from the USFS as to the timelines for completing the NEPA process.

To keep the project moving forward, the WWDO is also looking at two other ways of possibly implementing an operational cloud seeding program in the MBSM mountains including:

- 1.) Determining the cost and viability of implementing a stand-alone airborne program.
- 2.) Determining the viability of placing ground-based generators on State and Private lands only.

The effort to implement an operational cloud seeding program in the MBSM Ranges will be ongoing during 2018 and will include discussions with potential funding partners.

Interest in weather modification operations in the Big Horn and Laramie Ranges represented new areas not previously studied, and as such, required the preparatory work necessary to lay a foundation for an operational program in those target areas. Conceptual design and siting feasibility studies for these areas, also funded by the 2015 Wyoming State Legislature, have been completed.

Pursuant to W.S. 41-2-114(b)(iii), public hearings presenting the draft results for each study were held. A public hearing for the Bighorn Mountains was held in Sheridan, WY on August 15, 2016 and Worland, WY on August 17, 2016. Public hearings for the Laramie Range were held in Douglas, WY (early afternoon), and Wheatland, WY (evening) on August 18, 2016. During the course of the presentation, the consultants provided clarification and answered technical questions posed by the audience regarding the study results. No substantive public comment was received for the Bighorn Mountains study. Four comments were submitted for the public record regarding the Laramie Range study, and these comments were addressed in the final report.

Final reports that discuss each target area's climatology, hydrology, permit procurement, project land procurement, evaluation of seeding agent delivery systems, procurement of generators, and operational costs are completed and may be found on the WWDO website.

<b>166.</b>	<b><u>PROJECT:</u></b>	<b>Weather Modification Wind River Mountains 2017</b>
	<b>LEVEL:</b>	<b>III</b>
	<b>SPONSOR:</b>	<b>State of Wyoming/TBD</b>
	<b>LOCATION:</b>	<b>Wind River Range Fremont and Sublette Counties</b>
	<b>PROGRAM:</b>	<b>New Development</b>

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	100	2014	I	\$ 240,000	2015
Level III	23	2015	I	\$ 170,000	2017
Level III	55	2016	I	\$ 160,000	2018

**PROJECT INFORMATION:**

Cloud seeding operations targeting the Wind River Range in west-central Wyoming, for the winter of 2016-2017, commenced on November 30, 2016 and was suspended on February 10, 2017 due to snowpack conditions at the time. Wyoming's 25% share of the funds necessary to run the program were appropriated by the 2016 Wyoming State Legislature through the passage of the "2016 Omnibus Water Bill – Construction". The effort targeting the Wind River 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.

The same ten ground-based ice nucleus generators (ground generators) that were employed during the preceding 2015-2016 season were deployed for the 2016-2017 season. Nine generators were sited on the west, southwest, and southern flanks of the range. The tenth was sited on the southeastern flank, southwest of Lander. As would be expected based on the ground generator locations, the majority of seeding was conducted when winds were from the west or southwest. Typically, a number of seeding events usually occur late season when winds are easterly, supporting the activation of the single ground generator near Lander (Enterprise). This did not happen this year, most likely due to the early termination of the program.

During the season, operations were conducted twenty-four hours a day, seven days a week. There were a total of 14 seeding events during the season (December - 6, January - 5, February - 3). These events involved 4 or more generators, seeding in westerly or southwesterly flow.

The bulk of the weather information used for forecasting and weather monitoring was obtained from the internet (e.g., RAP Real-Time Weather, the National Center for Environmental Prediction (NCEP), the College of DuPage, and Unisys). The requisite temperature and wind criteria necessary to initiate seeding operations were confirmed through the release of weather balloons, and the presence of liquid water was established by a real-time data feed from a radiometer sited near the target area.

167. **PROJECT:** **Weather Modification Wind River Mountains 2018**  
**LEVEL:** III  
**SPONSOR:** State of Wyoming/TBD  
**LOCATION:** Wind River Range, Fremont and Sublette Counties  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**PROJECT INFORMATION:**

Cloud seeding operations targeting the Wind River Range in west-central Wyoming, for the winter of 2017-2018, is scheduled to commence on December 1, 2017. Barring early suspension, the program will conclude on March 31, 2018. Wyoming’s 25% share of the funds necessary to run the program were appropriated by the 2017 Wyoming State Legislature through the passage of the “2017 Omnibus Water Bill – Construction”. The current effort targeting the Wind River 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.

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 Range for the winter of 2017-2018 represent the continuation of an operational, non-research 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 2017-2018 cloud seeding season, the operations contractor will prepare operational forecasts, release soundings, maintain the equipment, and conduct the seeding operations through ten, leased ground-based generators. Such operations may increase runoff during Water Year 2018 in the Green, Wind/Big Horn and Platte River Basins.

- 168. **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:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**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. 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 Battle Creek 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. Appropriating a portion of the funding required for construction will provide credibility to the legislation and offer the most expeditious path forward once the transaction is complete.

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 this 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.

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. These discussions have included potential cost sharing for the project. The appropriation of partial construction funding for the project demonstrates that Wyoming is serious about pursuing this project and will allow the cost sharing discussions to proceed with a new sense of urgency.

- 169. PROJECT: Wheatland Irrigation District Rehabilitation 2015**  
**LEVEL: III**  
**SPONSOR: Wheatland Irrigation District**  
**LOCATION: Platte County**  
**PROGRAM: Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	66	2009	II	\$ 300,000	2010
Level III	63	2011	II	\$ 723,600	2016*
Level III	23	2015	II	\$ 874,350	2020*

\*67% grant

**PROJECT INFORMATION:**

Wheatland Irrigation District serves 54,180 acres with a conveyance system from Sand Lake above Arlington to points east of Wheatland. The district has looked at major problem areas in their district and, with the help of the WWDC, has upgraded portions of their system. The district is ready to implement additional water conservation upgrades. The 2009 Level I master plan identified and prioritized five major areas of rehabilitation need: structures, automation, canal & lateral improvements, and pipelines. The total cost of these items is \$25,025,847 in 2010 dollars.

The District continues to work through its master plan and in 2014 requested Level III funding for a number of needed improvements to their system. The identified projects for this appropriation include: Seepage Reservoir Outlet Rehabilitation, Tunnel Dam Rehabilitation, and the Bordeaux Lateral Siphons.

In 2015, the District received a grant funding appropriation from the Rehabilitation Program of \$874,350 (67% grant) for the eligible WWDC costs.

During 2015, the District selected an engineer and initiated the design for the Bordeaux Lateral Siphons. The project has been designed, bid and successfully awarded. Construction on the project took place in 2015 and was finished in 2016. The District and engineer are evaluating the next projects to pursue for design and construction.

- 170. PROJECT: Wheatland Irrigation District Tunnel Dam Rehabilitation**  
**LEVEL: II**  
**SPONSOR: Wheatland Irrigation District**  
**LOCATION: Albany County**  
**PROGRAM: Rehabilitation**

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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

**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 structure was originally constructed as long as 100 years ago (or more), and records of its initial construction are scarce. The structure 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. In addition, the outlet works that allow live stream flow to bypass the structure are no longer functioning. The structure is utilized to deliver stored irrigation water from upstream reservoir facilities and is absolutely crucial to the delivery of water to much of the District.

The Wheatland Irrigation District Tunnel Dam Rehabilitation Level II Study, in close coordination with WID, will identify rehabilitation or replacement alternatives for the aging structure. It will also investigate permitting, water measurement, and economics based on conceptual designs created as part of the project.

- 171. PROJECT: Wheatland No. 7 Well**  
**LEVEL:** III  
**SPONSOR:** Town of Wheatland  
**LOCATION:** Platte County  
**PROGRAM:** New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	23	2015	I	\$ 502,500	2020*

\*67% grant



**PROJECT INFORMATION:**

The project includes drilling a new municipal well approximately 500 feet deep on Town land and connecting it to the Town’s water system. Included in the project is a new well house, well pump, control equipment and piping to connect the new well to the adjacent water transmission line. This well will be an additional well for the Town in preparation for the potential failure of two older wells that are near the end of their useful life, both older wells are nearly 80 years old. The new well and well house, well pump, control equipment and piping are now completed and project closeout is in progress.

- 172. **PROJECT:**                    **Wheatland Pipelines**
- LEVEL:**                            III
- SPONSOR:**                        Town of Wheatland
- LOCATION:**                         Platte County
- PROGRAM:**                        New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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. This project is the final design phase.

- 173. **PROJECT:**                    **Wheatland Wells 2017**
- LEVEL:**                            III
- SPONSOR:**                        Town of Wheatland
- LOCATION:**                         Platte County
- PROGRAM:**                        New Development

**EXISTING AND PRIOR LEGISLATION:**

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level III	75	2017	I	\$ 994,950	2020*

\*67% grant

**PROJECT INFORMATION:**

The project will include drilling two new municipal wells approximately 500 feet deep on Town land and connecting them to the Town’s water system. 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 sponsor is in the final stages of contracting an Engineer for the project at this time.

**174. PROJECT: Willwood Dam Rehabilitation**  
**LEVEL: III**  
**SPONSOR: Willwood Irrigation District**  
**LOCATION: Park County**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	75	2005	II	\$ 50,000	2006
Level II	85	2007	II	\$ 250,000	2008
Level II	33	2008	II	\$ 150,000	2010
Level III	63	2011	II	\$ 210,000	2016*
Level III	14	2012	II	\$ 1,620,000	2017**
Level III	75	2017	II	\$ 0	2018***

\* This appropriation is replaced by the 2012 appropriation.

\*\* 67% grant, 33% loan

\*\*\* Time extension July 1, 2017 to July 1, 2018.

PROJECT INFORMATION:

The Willwood Diversion Dam is critical to the irrigation operations of the Willwood Irrigation District. Direct flow water from the Shoshone River and stored water from Buffalo Bill Reservoir are diverted at the Willwood Dam and conveyed via canals to the sponsor's irrigators.

At the time of the WWDC Master Plan, only one of three sluice gates was operational and sediment had buried the two inoperable gates. Originally, the sponsor planned to safely remove an amount of sediment and to replace one of the inoperable sluice gates as well as the sole operable sluice gate. Without this project, if the lone operable sluice gate should fail, the sponsor would run the risk of sediment filling the area upstream of the dam, dumping into the Willwood Canal, and interfering with the operation of the canal headgates.

In 2014, the sponsor and the engineer worked with the Bureau of Reclamation to conceptualize a suitable design to economically accomplish the project goals. Further, an airlifting operation loosened sediment to allow operation of the center sluice gate, giving the sponsor two functioning sluice gates. Divers surveyed the two gates and dam face and provided the sponsor and engineer with graphical data to facilitate proceeding with a suitable design. Subsequently the sponsor determined that the sluice gates in place would not require immediate replacement.

Construction of the project was completed prior to the 2017 irrigation season. Components completed were replacement of gate stems, operators, and controls of two sluice gates and both canal gates, replacement of the canal gates, and replacement of the bulkhead over the power outlet conduit. The control building and controls were replaced and automation and backup power were added. The project component not completed was replacement of the sluice gates due to the presence of unstable sediment in that area.

Removal and replacement of the sluice gates is anticipated within the next ten years, depending upon sediment removal to allow safe access to the vicinity of the sluice gates.

**175. PROJECT: Willwood Irrigation District Rehabilitation 2016**  
**LEVEL: III**  
**SPONSOR: Willwood Irrigation District**  
**LOCATION: Park County**  
**PROGRAM: Rehabilitation**

EXISTING AND PRIOR LEGISLATION:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
Level I	74	2014	II	\$ 160,000	2016
Level III	55	2016	II	\$ 533,000	2021*

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

PROJECT INFORMATION:

One of the top three priority items identified in the Willwood Irrigation District Master Plan Study was to convert a segment of Lateral 120 from open ditch to buried pipe. Converting the upper portion of Lateral 120 to buried pipe with concrete box turnouts will result in significant conservation of water and more efficient deliveries. The sponsor requested 100% grant funding to finance the purchase of invoiced materials. The sponsor is responsible for all project costs that are not materials invoices. This includes, but is not limited to, design, permitting, land rights, legal fees, construction labor and equipment, and construction engineering costs. Other than minor items, construction of this project was completed prior to the 2017 irrigation season.

**176. 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:

<u>Purpose</u>	<u>Chapter</u>	<u>Session</u>	<u>Account</u>	<u>Appropriation</u>	<u>Due Date</u>
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. Phase I of the project has been completed and phase II was bid in the fall 2016 with construction completed in early 2017. Currently the Sponsor is preparing request for proposals for engineering consultant services for the next phase.

# **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](http://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 Recreational Uses
11. Bear River Groundwater Basin Planning
12. Bear River Hydrology Model
13. Belle Fourche River Watershed Study
14. Bench Canal Company Master Plan
15. Beulah Water Supply
16. Big Horn Canal Rehabilitation
17. Big Horn Regional Groundwater
18. Big Sandy Enlargement
19. Big Valley & Crossed Arrows Improvement District Water Supply
20. Black Willow Water Supply
21. Blacks Fork Watershed Study
22. Boulder Flats Water Supply
23. Boulter Lake Enlargement
24. Bridger Valley Level II Reservoir Project
25. Bridger Valley Water Supply
26. Broken Wheel Ranch Master Plan
27. Buffalo Creek Watershed Study
28. Buffalo Master Plan
29. Buffalo Northwest Water Supply
30. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
31. Burns Water Supply
32. Byron Master Plan
33. Cambria/Sweetwater Water Supply
34. Canyon/Newcastle Area Water Supply
35. Casper Alcova Rehabilitation, GIS
36. Centennial Well and Master Plan
37. CBM Aquifer Storage and Retrieval
38. Cheyenne Belvoir Ranch Groundwater
39. Cheyenne Hydro Power
40. Cheyenne/Laramie County Water Service Area
41. Clear Creek Watershed Study
42. Clearmont CBM Impact
43. Cody Canal Irrigation District Hydropower
44. Cody Canal Rehabilitation, GIS
45. Cody Master Plan
46. Cokeville Reservoir
47. Cokeville Tri-Diversion Rehabilitation

48. Corner Mountain Test Well
49. Cottonwood/Grass Creek Watershed Management Plan
50. Cottonwood Lake Enlargement
51. Cowley Master Plan
52. Crook County Reservoirs and Water Management
53. Crow Creek Groundwater Recharge
54. Crowheart Area/Dinwoody Canal System
55. Dayton Raw Water Irrigation
56. Deaver Irrigation District Master Plan Update
57. Deaver (Town of ) Master Plan
58. Deer Creek Dam and Reservoir
59. Dixon Water Supply
60. Douglas Ground Water
61. Douglas Master Plan
62. Dry Creek Irrigation District Master Plan
63. Dubois Regional Water Supply
64. Eden Valley (Farson) Master Plan Level I
65. Eden Valley (Farson) Master Plan Level II
66. Eight Mile-High Plains Well
67. Encampment/Sierra Madre Water Supply
68. Enterprise Conservation Program
69. Evansville Master Plan
70. Fontenelle Pipeline
71. Fort Laramie Water Supply
72. Frannie Raw Water
73. Frannie Well Rehabilitation
74. Gillette Regional Connections
75. Gillette Regional Master Plan
76. Glenrock Master Plan
77. Goshen Irrigation District Master Plan 2006
78. Goshen Re-regulating Reservoir
79. Granger Water Supply
80. Green River Basin Plan-Groundwater
81. Green River Basin Plan-Update
82. Green River Decision Support System Feasibility Study
83. Green River Groundwater Recharge and Alternate Storage
84. Green River-Rock Springs-Sweetwater County Master Plan
85. GR-RS-SC JPB Water Supplies
86. Green River/Rock Springs/Sweetwater County JPB Pipeline Feasibility Study
87. Green River West Water Supply
88. Greybull Raw Water
89. Greybull Tank and Master Plan
90. Greybull Valley Hydropower
91. Greybull Valley Rehabilitation, GIS
92. Greybull Valley Sunshine Diversion
93. Greybull Wells Rehabilitation
94. Guernsey Master Plan
95. Hanna Water System Level I
96. Hanna Water System Level II
97. Hawk Springs Master Plan
98. Hawk Springs Water Supply
99. Heart Mountain Irrigation District Master Plan
100. Heart Mountain ID Return Flow Study
101. Heart Mountain Rehabilitation

102. High Meadow Ranch, Level II
103. High Meadow Ranch Master Plan
104. Hoback Junction Rural Regional Master Plan
105. Hoback Junction Water Supply
106. Hopkins Producers Irrigation District Reservoir Study
107. Hot Springs State Park, Big Springs Study
108. Hyattville Water Supply
109. Indian Paintbrush Water Supply
110. Interstate Canal and Beaver Meadows Reservoir Rehabilitation
111. Irrigation Hydro Power
112. James Town/Rio Vista Water Supply
113. Jeffrey City Water Supply
114. Jons Drop Hydropower
115. Kaycee Well & Storage
116. Kemmerer-Diamondville Master Plan
117. Kemmerer/Diamondville Water Supply
118. Kennington Springs
119. Keystone and Farmers Canal Master Plan
120. Kirby Area Water Supply Study
121. Kirby Creek Watershed Study
122. Kirby Irrigation District Conservation Program
123. Kirby Municipal Master Plan
124. LaBarge Water Supply
125. Lakeview Irrigation Master Plan
126. Lance Creek Water Supply
127. Lance Creek Well
128. Lander Master Plan
129. Lander Paleozoic Well
130. Laramie County Aquifer Study
131. Laramie Water Management Study
132. Laramie Master Plan
133. LeClair Irrigation District Master Plan
134. LeClair/Riverton Valley Irrigation Storage
135. Little Snake Canals
136. Little Snake River Watershed Study
137. Lodgepole Creek ASR
138. Lovell ID Hydro Power
139. Lovell Master Plan
140. Lower Clear Creek Irrigation District – Leiter Ditch Rehabilitation Study
141. Lower Nowood Rural Water Supply
142. Lucerne Water Supply
143. Lusk Master Plan
144. Lysite Water Supply
145. Manville Water Supply
146. Manville Well
147. Means First Extension Master Plan/Gillette Regional Connection
148. Medicine Bow River Watershed Study
149. Meeteetse Master Plan
150. Middle Fork Dam
151. Middle Fork Powder Watershed Management Plan
152. Middle North Platte – Glendo Watershed Study
153. Middle North Platte Watershed
154. Midvale Conservation Program
155. Midvale Irrigation District Hydropower Study

156. Moorcroft Master Plan
157. North Canal-Grover
158. North Cheyenne Master Plan
159. North Fork Shoshone Water Supply
160. North Platte Water Yield Analysis
161. Northeast Wyoming Interactive Database
162. Northern Arapaho Ground Water
163. Nowood River Watershed Study
164. Opal Master Plan
165. Opal Regional Water Supply
166. Owl Creek Irrigation District Conservation Study
167. Owl Creek Irrigation Master Plan
168. Owl Creek Water Supply
169. Pavillion Area Water Supply
170. Pavillion Water Supply
171. Pine Bluffs Master Plan
172. Pine Haven Master Plan
173. Pine Haven Tank and Well Study
174. Pinedale Hydro Power
175. Pinedale Hydro Power Study
176. Pinedale Master Plan
177. Piney Cruse Diversion
178. Pioneer Rehabilitation
179. Platte-Goshen Regional Master Plan
180. Platte River Basin Plan-Groundwater
181. Platte River Basin Plan Update
182. Poison Spider Pipelines
183. Popo Agie Watershed Management Plan
184. Powder River Water Supply
185. Powell Airport Water Supply
186. Probable Maximum Precipitation Study
187. Rawlins Master Plan
188. Rawlins Operations Study
189. Ray Lake Enlargement
190. Red Lane Master Plan
191. Rock Springs East Water Supply
192. Rolling Hills Master Plan
193. Saratoga Groundwater
194. SEO/Lusk Area Ground Water
195. Shell Canal Tunnel
196. Sheridan Supplemental Storage
197. Shell Valley Watershed Management Plan
198. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
199. Shoshone ID Rehabilitation, GIS
200. Smith's Fork Dam
201. Snake/Salt River Basin-Groundwater Analysis
202. South Big Horn County Rural Water District Expansion
203. South Circle Master Plan
204. South Garden Creek Water Supply
205. Squaw Creek Water Supply
206. Star Valley Ranch Water Supply
207. Star Valley Regional Master Plan
208. State Stream Gage System
209. Sublette Creek Reservoir



210. Sundance Master Plan, Level I
211. Sundance Water System Feasibility Study
212. Sweetwater River Watershed
213. Sweetwater Water Supply
214. Tensleep/Hyattville Master Plan
215. Tensleep Water Supply
216. Thermopolis Master Plan
217. Thermopolis Storage and Raw Water
218. Three Horses Watershed Study
219. Thunder Basin Watershed Studies I and II
220. Upper Green River Watershed Study
221. Upper Green River Westside Storage
222. Upper Laramie River Watershed Study
223. Upper North Platte Watershed Study
224. Upper Wind River Storage
225. Wagner Cherokee Irrigation Rehabilitation
226. Wamsutter Well 2010
227. Washakie County Safety
228. Weather Modification Pilot Program
229. Weather Modification – Salt River and Wyoming Ranges
230. Weather Modification – Wyoming Range
231. Westside Irrigation NEPA
232. Wheatland ID Master Plan
233. Wheatland ID System Phase II
234. Wheatland Master Plan
235. Willwood Irrigation District Master Plan
236. Willwood ID Rehabilitation, GIS
237. Wind River/Big Horn River Basin Plan Update
238. Wind River Glaciers
239. Worland Area Irrigated Lands GIS
240. Worland Eastside Transmission Line
241. Worland Wells Test
242. Wright Master Plan
243. Yoder Groundwater Project
244. 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 Tributaries #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)

### Completed Construction (Level III) Projects

- |            |  |
|------------|--|
| <b>01.</b> | <p><b>PROJECT:</b> 33 Mile Pump Station</p> <p><b>SPONSOR:</b> 33 Mile Road Improvement &amp; Service District</p> <p><b>LOCATION:</b> Natrona County</p> <p><b>PROGRAM:</b> New Development</p> <p><b>APPROPRIATION:</b> \$139,695</p> <p><b>ACTUAL EXPENDITURES:</b> \$129,827</p> <p><b>DESCRIPTION:</b> 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.</p> <p><b>ENGINEER:</b> Civil Engineering Professionals, Inc.; Casper, WY</p> <p><b>CONTRACTOR:</b> Wayne Coleman Construction, Inc.; Casper, WY</p> <p><b>YEAR COMPLETED:</b> 2013</p> <p><b>SESSION LAW YEAR:</b> 2011</p> |
| <b>02.</b> | <p><b>PROJECT:</b> Afton Springs Water Supply</p> <p><b>SPONSOR:</b> Town of Afton</p> <p><b>LOCATION:</b> Lincoln County</p> <p><b>PROGRAM:</b> Rehabilitation</p> <p><b>APPROPRIATION:</b> \$450,000</p> <p><b>ACTUAL EXPENDITURES:</b> \$450,000</p> <p><b>DESCRIPTION:</b> Renovation of Periodic Springs intake and pipeline to protect from rock fall</p> <p><b>ENGINEER:</b> BRS, Inc.; Riverton, WY</p> <p><b>CONTRACTOR:</b> Roberts Construction; Evanston, WY<br/>Kilroy and Company; Alpine, WY</p> <p><b>YEAR COMPLETED:</b> 2001</p> <p><b>SESSION LAW YEAR:</b> 2000</p>  |
| <b>03.</b> | <p><b>PROJECT:</b> Afton Water Supply</p> <p><b>SPONSOR:</b> Town of Afton</p> <p><b>LOCATION:</b> Lincoln County</p> <p><b>PROGRAM:</b> Rehabilitation</p> <p><b>APPROPRIATION:</b> \$2,600,000</p> <p><b>ACTUAL EXPENDITURES:</b> \$2,518,911</p>  |

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 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
- 15. 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

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:** **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
18. **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
19. **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

- 20. 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
- 21. 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
- 22. 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
- 23. 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

24. **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
25. **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
26. **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
27. **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  
CONTRACTOR: Donnell & Allred, Inc.; Worland, WY  
YEAR COMPLETED: 1998  
SESSION LAW YEAR: 1995

28. **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
29. **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
30. **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  
**CONTRACTOR:** John Donnell - Water Rights Contractor; Worland, WY  
Engineering Associates; Cody, WY  
Lamax Construction; Basin, WY  
COP Construction; Sheridan, WY  
**YEAR COMPLETED:** 2012  
**SESSION LAW YEAR:** 2002, 2004, 2007, 2012
31. **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

32. **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
33. **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
34. **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 – PFI Controls; Alabaster, AL  
Meter Building – Moose Valley Construction; Big Piney, WY  
**YEAR COMPLETED:** 2008  
**SESSION LAW YEAR:** 2003, 2005
35. **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

36. **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
37. **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
38. **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
39. **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

40. **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
41. **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
42. **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
43. **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

44. **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
45. **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
46. **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
47. **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

48. **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
49. **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
50. **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
51. **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

52. **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
53. **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
54. **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
55. **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



- 56. 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
- 57. 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
- 58. 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
- 59. 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

- 60. 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
- 61. 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
- 62. 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
- 63. 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

- 64. 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
- 65. 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
- 66. 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
- 67. 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 21<sup>st</sup> 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

- 68. 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
- 69. 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
- 70. 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
- 71. 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

72. **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
73. **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
74. **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
75. **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
76. **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
<b>77.</b>	<b>PROJECT:</b>	<b>Cheyenne R. L. Sherard Water Treatment Plant</b>
	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
<b>78.</b>	<b>PROJECT:</b>	<b>Cheyenne Raw Water Supply</b>
	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
<b>79.</b>	<b>PROJECT:</b>	<b>Cheyenne Raw Water Supply #2</b>
	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
<b>80.</b>	<b>PROJECT:</b>	<b>Cheyenne South Crow Dam Water Supply Rehabilitation Project</b>
	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

- 81. 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
- 82. 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
- 83. 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
- 84. 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

- 85. 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
- 86. 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
- 87. 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
- 88. 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

**89. 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

**90. 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

**91. 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

**92. 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

**93. 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

**94. 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

**95. 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

**96. 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

97. **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
98. **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
99. **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
100. **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

- 101. 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
- 102. 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
- 103. 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
- 104. 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

- 105. 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
- 106. 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
- 107. 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.  
 CONTRACTOR: HKM Engineering; Sheridan, WY  
 Western Municipal; Sheridan, WY  
 Hofer Building  
 YEAR COMPLETED: 2006  
 SESSION LAW YEAR: 2001 and 200
- 108. 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

- 109. 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
- 110. 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
- 111. 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
- 112. 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

- 113. 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
- 114. 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
- 115. 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
- 116. 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

- 117. 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
- 118. 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
- 119. 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
- 120. 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



- 121. 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
- 122. 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
- 123. 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
- 124. 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

- 125. 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
- 126. 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
- 127. 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
- 128. 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

- 129. 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
- 130. 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
- 131. 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
- 132. 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
- 133. 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

**134. 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

**135. 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

**136. 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

**137. 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

**138. 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

**139. 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

**140. 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

**141. 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

- 142. 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
- 143. 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
- 144. 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
- 145. 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

- 146. 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
- 147. 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
- 148. 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
- 149. 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
- 150. 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

**151. 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

**152. 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

**153. 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



- 154. 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
- 155. 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
- 156. 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
- 157. 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

- 158. 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
- 159. 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
- 160. 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
- 161. 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
- 162. 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

- 163. 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
- 164. 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
- 165. 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
- 166. 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

**167. 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

**168. 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

**169. 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

- 170. 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
- 171. 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
- 172. 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
- 173. 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

- 174. 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
- 175. 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
- 176. 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
- 177. 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

- 178. 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
- 179. 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
- 180. 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
- 181. 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

- 182. 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
- 183. 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
- 184. 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
- 185. 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



- 186. 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
- 187. 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
- 188. 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
- 189. 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

**190. 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

**191. 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

**192. 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

**193. 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

**194. 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

**195. 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

**196. 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

**197. 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

**198. 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

**199. 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

**200. 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

- 201. 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
- 202. 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
- 203. 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
- 204. 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

- 205. 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
- 206. 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
- 207. 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
- 208. 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
- 209. 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

**210. 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

**211. 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

**212. 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

**213. 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

**214. 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

**215. 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.

**216. 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

**217. 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

**218. PROJECT: Lake Hattie Dam**  
 SPONSOR: Pioneer Canal-Lake Hattie Irrigation District  
 LOCATION: Albany County  
 PROGRAM: Rehabilitation  
 APPROPRIATION: \$840,000.00  
 ACTUAL EXPENDITURES: \$282,000.00 (Sponsor's Contingency Fund, 2012)  
 DESCRIPTION: \$1,083,172.21  
 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

**219. 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

**220. 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

**221. 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

**222. 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

**223. 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

**224. 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

**225. 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

- 226. 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
- 227. 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
- 228. 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
- 229. 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  
 CONTRACTOR: Dahlgren Consulting, Inc.; Cheyenne, WY  
 YEAR COMPLETED: Sargent Irrigation; Broken Bow, NE  
 SESSION LAW YEAR: 2012  
 2009
- 230. 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

**231. 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

**232. 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  
 CONTRACTOR: Wester-Wetstein & Associates; Laramie WY  
 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

**233. 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

- 234. 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
- 235. 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
- 236. 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
- 237. 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
- 238. 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

**239. 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).

**240. 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

**241. 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

**242. 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
<b>243. PROJECT:</b>	<b>Lingle Water Supply Phase II</b>
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
<b>244. PROJECT:</b>	<b>Lingle Water Supply System Rehabilitation</b>
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
<b>245. PROJECT:</b>	<b>Little Snake Diversions</b>
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
<b>246. PROJECT:</b>	<b>Little Snake Rehabilitation</b>
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

247. **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
248. **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
249. **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
250. **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
251. **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

**252. 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

**253. 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

**254. 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

**255. 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

**256. 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

**257. 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

**258. 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

**259. 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

**260. 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

**261. 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

**262. 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

**263. 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

- 264. 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
- 265. 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
- 266. 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
- 267. PROJECT: Midvale Canal Rehabilitation**  
 SPONSOR: Midvale Irrigation District  
 LOCATION: Fremont County  
 PROGRAM: Rehabilitation  
 APPROPRIATION: \$230,000  
 ACTUAL EXPENDITURES: \$165,890  
 DESCRIPTION: Wyoming Canal 2<sup>nd</sup> 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
- 268. 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

**269. 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

**270. 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  
 CONTRACTOR: APEX Surveying; Riverton, WY  
 YEAR COMPLETED: 2011  
 SESSION LAW YEAR: 2010

**271. 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

**272. 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

**273. 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

**274. 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

**275. 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

**276. 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

**277. 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

**278. 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

**279. 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

**280. 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

**281. 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

**282. 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

**283. 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



- 284. 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
- 285. 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
- 286. PROJECT: North Fork Crazy Woman Rehabilitation**  
 SPONSOR: Crazy Woman Watershed Improvement District  
 LOCATION: Johnson County  
 PROGRAM: Rehabilitation  
 APPROPRIATION: \$650,000  
 ACTUAL EXPENDITURES: \$471,366  
 DESCRIPTION: Canal improvements, pipeline  
 ENGINEER: HKM Associates; Sheridan, WY  
 CONTRACTOR: S&S Builders; Gillette, Wyoming  
 Mollinax Concrete Service Company; Sheridan, WY  
 YEAR COMPLETED: 1995  
 SESSION LAW YEAR: 1992
- 287. 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

**288. 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

**289. 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

**290. 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

**291. 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

- 292. 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
- 293. 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
- 294. 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
- 295. 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

- 296. 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
- 297. 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
- 298. 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
- 299. 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

- 300. 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
- 301. 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
- 302. 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
- 303. 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

- 304. 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
- 305. 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
- 306. 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
- 307. 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

**308. 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

**309. 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

**310. 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

**311. 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

- 312. 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
- 313. 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
- 314. 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
- 315. 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
- 316. 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

**317. 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

**318. 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

**319. 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

**320. 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

- 321. 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
- 322. 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
- 323. 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
- 324. 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

**325. 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

**326. 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

**327. 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

**328. 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

**329. 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

**330. 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

**331. 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

**332. 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

- 333. 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
- 334. 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
- 335. 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
- 336. 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

**337. 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

**338. 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

**339. 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

**340. 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

**341. 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

**342. 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

**343. 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

**344. 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

**345. 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

**346. 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

**347. 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

- 348. 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
- 349. 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
- 350. 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  
 ACTUAL EXPENDITURES: \$ 6,750,000 (permanent mineral trust fund loan)  
 \$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
- 351. 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

**352. 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

**353. 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

**354. 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

**355. 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

**356. 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

**357. 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

**358. 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

**359. 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

**360. 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

**361. 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

**362. 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

- 363. 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
- 364. 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
- 365. 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

- 366. 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
- 367. 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
- 368. 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
- 369. 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

- 370. 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
- 371. 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
- 372. 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
- 373. 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
- 374. 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

**375. 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

**376. 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

**377. 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



**378. 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

**379. PROJECT: Small Water Projects**

<b>Small Water Project</b>	<b>Account</b>	<b>Year Approved</b>
Asperation Well	New Development	2003
Bad Land Well	New Development	2003
Bench Well	New Development	2003
Big Bend Pasture Well	New Development	2003
Big Horn River Ranch Pipeline	New Development	2003
Blue Forest Well	New Development	2003
Central Well	New Development	2003
Crowfoot Ranch Well	New Development	2003
Diamond S Ranch Pipeline	New Development	2003
East Dry Creek #1 Well	New Development	2003
Emigrant Well	New Development	2003
Emigrant/Four Mile Pits	New Development	2003
Four Mile Gulch Well	New Development	2003
Gasson Well #2	New Development	2003
Gooseberry Creek Ranch Well	New Development	2003
Jensen Wash Well	New Development	2003
Lombard Well	New Development	2003
Migration Well	New Development	2003
Perino Pipeline	New Development	2003
Russell Ranch Pipeline	New Development	2003
Twelve Mile Sink Well	New Development	2003
Big Sandy Pipeline	Rehabilitation	2003
Cabin Creek Water Development	Rehabilitation	2003
Coyote Reservoirs	Rehabilitation	2003
Croonberg Water Development	Rehabilitation	2003
Diamond S Ranch Well	Rehabilitation	2003
Jones Water Project	Rehabilitation	2003
Old Steve Adams Duck Pond	Rehabilitation	2003
Poison Buttes/Cottonwood Ponds	Rehabilitation	2003
TY Ranch Pipeline	Rehabilitation	2003
Aaron Carollow Livestock	New Development	2004
Antelope Hills Water Well	New Development	2004
Antone Swanda Well & Pipeline	New Development	2004
Basin Allotment Project	New Development	2004

<b>Small Water Project</b>	<b>Account</b>	<b>Year Approved</b>
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
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

<b>Small Water Project</b>	<b>Account</b>	<b>Year Approved</b>
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
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

<b>Small Water Project</b>	<b>Account</b>	<b>Year Approved</b>
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
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

<b>Small Water Project</b>	<b>Account</b>	<b>Year Approved</b>
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 Sheehanigans	New Development	2014
47 Ranch	New Development	2014
Baggs Grazing Allotment	New Development	2014
BLM Cottonwood Creek Pasture Water Development	New Development	2014
C Weber Wetland	New Development	2014
Cameron Upland Project 1	New Development	2014
Coal Mine Spring Development	New Development	2014
E Black Thunder W20-1	New Development	2014
Elk Mountain Spring	New Development	2014
Good Luck Well	New Development	2014
H&C Stock Water Well	New Development	2014
HB Lee Irrigation Return Flow Wetland	New Development	2014
Hog Eye Ranch - Little Savery Creek New Pasture Ponds	New Development	2014
Kester Coulee North Pipeline	New Development	2014
Kester Coulee South Pipeline	New Development	2014
Ladder Livestock #1	New Development	2014
McClanahan Well and Pipeline Project	New Development	2014
Muddy Creek Wetland Duck Pond #8	New Development	2014
Otty Wagonhound Pipeline Project	New Development	2014

<b>Small Water Project</b>	<b>Account</b>	<b>Year Approved</b>
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
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
Kofford 001 Wildflower Spring Development	New Development	2015
Kofford 002 Clifford Spring Development	New Development	2015
Little Basin Spring Development, Pipeline and Tank	New Development	2015
Mayfield Cabin Spring	New Development	2015
Muddy Mountain Well #2	New Development	2015
Muddy Mt Well #1	New Development	2015
Purple Sage Ranch Oxbow Wetlands	New Development	2015
Purple Sage Stock Pond	New Development	2015
State Line Canal Steve Adams	New Development	2015
TB 17B	New Development	2015
Thompson Robinson West	New Development	2015
Waterhouse Canyon	New Development	2015
Weber Stock Water Pipeline	New Development	2015
Cow Camp Spring	Rehabilitation	2015
Nelson Ditch Headgate and Diversion Structure	Rehabilitation	2015
Ojinaga Spring Development	Rehabilitation	2015

<b>Small Water Project</b>	<b>Account</b>	<b>Year Approved</b>
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
Cobb, Dutch Joe Well	New Development	2016
Cottonwood Well Banjo	New Development	2016
Little Savery Stock Pond	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
Hibben Ditch and Diversion Dam	Rehabilitation	2016
Snow Ditch Headgate Replacement	Rehabilitation	2016
Van Ditch	Rehabilitation	2016
Little Savery State Lands Stock Pond	New Development	2017
Purple Sage Ranch Bank Stabilization 2017	Rehabilitation	2017

- 380. 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
- 381. 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
- 382. 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

**383. 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

**384. 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

**385. 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

**386. 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



- 387. 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
- 388. 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
- 389. 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
- 390. 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

- 391. 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
- 392. 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
- 393. 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: 2006  
 SESSION LAW YEAR: 2015
- 394. 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
- 395. 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

**396. 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

**397. 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

**398. 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

**399. 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

- 400. 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
- 401. 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
- 402. 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
- 403. 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

- 404. 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
- 405. 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
- 406. 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
- 407. 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

408. **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
409. **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
410. **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
411. **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
412. **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

**413. 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.

**414. 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

**415. 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

**416. 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

**417. 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

**418. 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

**419. 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

**420. 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

**421. 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

**422. 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

**423. 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

**424. 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

**425. 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

**426. 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

**427. 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

**428. 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

**429. 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

**430. 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

**431. 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

- 432. 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
- 433. 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
- 434. 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
- 435. 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

436. **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
437. **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
438. **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
439. **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
440. **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

- 441. 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
- 442. 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
- 443. 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
- 444. 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

**445. 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