2015
LEGISLATIVE REPORT

New Fork Lake

WYOMING WATER DEVELOPMENT COMMISSION

2015 LEGISLATIVE REPORT
WYOMING WATER DEVELOPMENT PROGRAM

Wyoming Water Development Commission (029)
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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 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 that is a major beneficiary of the project. Sponsors request project specific technical and financial assistance from the Wyoming Water Development Commission 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, 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. 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 summary of the state's water investments follows:

Account	**Wyoming's Storage (Acre-Feet)**	**6/30/2014 Account Balance**	**Balance**
Fontenelle Reservoir	120,000	1,829,632.99	Decreasing*
Buffalo Bill Dam	187,940	29,212,477.85	Increasing
Palisades	33,000	181,705.82	Increasing
Miscellaneous Water Investment	Not Applicable	42,028.44	Stable
High Savery Reservoir	22,433	1,089,956.38	Stable
Pathfinder Modification	53,493	8,366,989.66	Increasing
Glendo Reservoir	10,600	868,002.48	Stable

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

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 ensure the continued benefits of these dams and reservoirs.

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 November 30, 2014, a total of 137 instream flow filings exist with the State of Wyoming. Each of these filings represents a separate instream flow segment. Out of these, 15 are in the preliminary application stage, 11 are under permitting review by the State Engineer's Office (SEO), 85 are in the SEO Board of Control proofing stage, and 26 have been fully adjudicated. As of this date, the Water Development Office has completed a total of 46 hydrologic feasibility reports. An ongoing report is scheduled for completion in December 2014, and an additional ongoing report is scheduled for completion before December 31, 2015. One more report is anticipated to be started during 2015.

3. Water Related Research

The Commission participates in research projects relative to 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 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 North 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 were to be 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 area 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, seven million eight hundred thousand dollars has been appropriated from Water Development Account No. 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 the "small projects" throughout the state. Water Development Program funding is limited to fifty percent (50%) of the actual construction 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. The Wyoming Water Development Commission and Legislative Select Water Oversight Committee approve new criteria for the Small Water Project Program. New applications are annually reviewed by the Commission at its March meeting.

The 2006 Legislative session suspended new applications to the Small Water Project Program effective July 1, 2006. Projects authorized prior to that date were allowed to continue, but no new applications were being accepted.

The 2007 Legislative session removed the 2006 suspension and allowed for new applications to be made for program funding.

The 2012 Legislative session suspended new applications to the Small Water Project Program effective July 1, 2014. Projects authorized prior to that date were allowed to continue.

The 2014 Legislative session increased the maximum financial contribution from the WWDC to thirty-five thousand dollars ($35,000) per project and added additional funding for new projects to extend thru July 1, 2025.

III. Program Funding

A. Water Development Account No. I

The New Development Program is funded by Water Development Account No. I [W.S. 41-2-124(a)(I)] which has received direct appropriations from the general fund and budget reserve account, 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 $26,000,000 to $28,000,000 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 No. I also funds the following:

1. Agency budget-The agency budget for the Wyoming Water Development Office (WWDO) is approximately $8,070,000 for the biennium.

2. Water Resource Data System-The WWDO funds the UW Water Resource Data System through the agency budget at a cost of approximately $774,000 per biennium.

3. Instream Flow-The WWDC requests $100,000 per biennium through the agency budget for consultant services for the completion of instream flow feasibility studies.

4. Water Related Research-The Wyoming Water Development Program invests $400,000 per year on non-project specific water related research.

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

6. Basin Wide Planning-The Wyoming Water Development Program has expended over $7,000,000 on the basin wide planning. All of the planning studies for the seven major drainage basins have been completed. The WWDO continues to update and expand these plans at a cost of $250,000 per year.

7. 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.

8. Small Water Projects Program-The legislature has invested $2,850,000 in the New Development component of the program.

9. DWSRF-By enacting W.S. 16-1-301, the legislature authorized the use of water development account I funds to meet federal matching grant requirements. The federal capitalization grant and the state's matching share are used to finance a "drinking water state revolving loan fund" (DWSRF) program. The DWSRF program may be used to fund improvements to water treatment systems and address other Safe Drinking Water Act compliance issues. This program is not included in the annual omnibus water bill or agency budget. Water Development program funds (approximately $2,133,000 per biennium) are appropriated automatically by statute to match 10% of the federal capitalization grant.

10. Other-The Wyoming Legislature has periodically appropriated funds from the water development accounts to fund the operation of state government, special projects, and litigation. Examples include $675,000 per biennium to the state Department of Agriculture for TMDL programs and $98,000 per biennium to the State Engineer's Office for the endangered fish recovery program in the Colorado River Basin. In addition, through executive order by the Governor, the interest income to be received by

the accounts was diverted to the general fund for three years, which impacted the accounts by approximately $41,284,873.

B. Water Development Account No. II

The Rehabilitation Program is funded by Water Development Account No. 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 No. II also funds the following:

1. Small Water Projects Program-The legislature has invested $1,850,000 in the Rehabilitation component of the program.

2. Other-As of June 2014, $15,923,700 has been expended from Water Development Account No. II for non-project purposes.

C. Water Development Account No. III

The 2005 Legislature created Water Development Account No. III, appropriated $10,000,000 from the Budget Reserve Account, and transferred $54,070,000 from Water Account No. I to Water Account No. 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.

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 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 (WWDC), which meets 5 to 7 times per year. The program is administered through the Wyoming Water Development Office (WWDO), which includes a director and 25 staff members. Over the past five years, the commission and staff have overseen and administered project expenditures averaging approximately $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.

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 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" has been 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 2014:

	Percentage (%) of Total Expenditures		
Sector	WD Account No. I	WD Account No. II	WD Account No. III
Multi-purpose	11.0	4.6	60.5
Agriculture	10.7	45.8	33.9
Municipal	49.5	41.0	5.6
Special Districts	6.3	2.2	-
Legal	3.4	4.3	-
Non-Project	19.1	2.1	-

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 unfunded federal 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 30 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. Dam construction and rehabilitation is an important element of the Water Development Program. To date, thirteen new storage or enlargement projects and eighteen dam rehabilitation projects have been completed. 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 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 the Buffalo Municipal Dam (Tie Hack), 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.

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 Wyoming Water Development Commission 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.

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 January 1, 2015, there are projects with appropriations in excess of $350M in the construction phase of the Wyoming Water Development Program.

2015
LEGISLATIVE
PROGRAM

CHAPTER 2 - 2015 LEGISLATIVE PROGRAM

I. Program Development Process

The Water Development Commission 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 react to the director's recommendations. 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 projects that are proposed for Level III Construction funding.

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. The WWDC considers public input received at the public meetings and hearings. 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. 2015 Funding Recommendations:

Summary-2015 Omnibus Water Bill-Planning

Level I Projects-New Development	Location	WDA I	WDA II	WDA III
Bear River Watershed Study	Lincoln/Uinta	$ 375,000		
Broken Wheel Ranch Master Plan	Lincoln	$ 100,000		
Bryon Master Plan	Big Horn	$ 130,000		
Centennial Well and Master Plan	Albany	$ 175,000		
Cowley Master Plan	Big Horn	$ 135,000		
Middle North Platte-Glendo Watershed Study	Converse	$ 375,000		
Opal Master Plan	Lincoln	$ 100,000		
Powder/Tongue Northeast Groundwater Analysis	Powder/Tongue River Basin	$ 275,000		
Powder/Tongue Northeast River Basin Plan Update	Powder/Tongue River Basin	$ 375,000		
Upper Laramie River Watershed Study	Albany	$ 375,000		
Upper Snake River Watershed Study	Teton	$ 375,000		
Statewide Water Research	Statewide	$ 397,338		
Subtotal		$3,187,338		

Level II Projects-New Development	Location	WDA I	WDA II	WDA III
Clearmont Test Well Study	Sheridan	$ 750,000		
Green River/Rock Springs/Sweetwater County JPB Pipeline Feasibility Study	Sweetwater	$ 125,000		
High Meadow Ranch Level II	Sublette	$ 500,000		
New Castle Madison Well	Weston	$1,450,000		
Subtotal		$2,825,000		

Level I Projects-Rehabilitation	Location	WDA I	WDA II	WDA III
Deaver Irrigation District Master Plan Update	Park/Big Horn		$ 162,000	
LeClair Irrigation District Master Plan	Fremont		$ 175,000	
Subtotal			$ 337,000	

Level II Projects-Rehabilitation	Location	WDA I	WDA II	WDA III
Dry Creek Irrigation District Master Plan	Lincoln		$ 150,000	
Heart Mountain Canal Rehabilitation	Park		$ 110,000	
Subtotal			$ 260,000	

Level II Projects-Dams and Reservoirs	Location	WDA I	WDA II	WDA III
Big Sandy Enlargement	Sublette/ Sweetwater			$ 2,000,000
Clear Creek Storage	Johnson			$ 700,000
Greybull Valley Irrigation District Storage Enlargement	Big Horn/Park			$ 300,000

Summary-2015 Omnibus Water Bill-Planning (continued)

Level II Projects-Dams and Reservoirs	Location	WDA I	WDA II	WDA III
Meeks Cabin Dam Enlargement	Uinta			$ 600,000
Middle Piney Reservoir	Sublette			$ 150,000
New Fork Lake Dam Enlargement	Sublette			$ 300,000
Nowood River Storage – Alkali Creek	Big Horn/ Washakie			$ 4,000,000
Nowood River Storage – Meadowlark Lake	Big Horn/ Washakie			$ 300,000
Shell Valley Storage – Leavitt Reservoir	Big Horn			$ 4,500,000
Subtotal				$12,850,000

General	Location	WDA I	WDA II	WDA III
North Fork Shoshone Water Supply	Park	($113,036.38)		

Total	**$5,899,301.62**	**$597,000**	**$12,850,000**

Summary-2015 Omnibus Water Bill-Construction

Level III Projects - New Development	Location	WDA I	WDA II	Terms
Arapahoe Pipeline and Tank	Fremont	$ 1,926,920		67G
Cambria Tank	Weston	$ 626,450		67G
Casper Zone II 2015	Natrona	$ 1,728,600		67G
Indian Paintbrush Water Supply	Teton	$ 616,400		67G
Jamestown/Rio Vista Water Supply	Sweetwater	$ 4,288,000		67G
Kaycee Replacement Tank	Johnson	$ 435,500		67G
Kemmerer-Diamondville Water System	Lincoln	$ 1,587,900		67G
Lovell Tank/Zone 2 Improvements	Big Horn	$ 2,401,950		67G
Lower Nowood Rural Water Supply	Washakie	$ 1,423,750		67G
Newcastle 2015	Weston	$ 616,400		67G
Pine Haven Well and Tank	Crook	$ 2,077,000		67G
Sheridan Leopard Street Pipeline	Sheridan	$ 2,211,000		67G
Squaw Creek Water Supply	Teton	$ 308,200		67G
Sweetwater Water Supply	Weston	$ 562,800		67G
Weather Modification Big Horn, Laramie, Medicine Bow and Sierra Madre Mountains-2016	Various Mountain Ranges	$ 1,447,500		
Weather Modification Wind River Mountains-2016	Fremont/ Sublette	$ 170,000		25G
Wheatland No. 7 Well	Platte	$ 502,500		67G
Subtotal		$22,930,870		

Level III Projects - Rehabilitation	Location	WDA I	WDA II	Terms
Big Horn Canal Underway	Washakie		$ 175,000	67G/33L/4/30
Casper Alcova Rehabilitation 2015	Natrona		$ 187,600	67G
Dull Knife Reservoir Spillway Rehabilitation	Johnson		$1,715,000	35G*
Goshen Irrigation District – Guernsey Spillway Rehabilitation	Goshen		$ 449,570	67G*
Hill Irrigation District – Guernsey Spillway Rehabilitation	Goshen		$ 36,850	67G*
Midvale Bull Lake Rehabilitation	Fremont		$2,653,200	67G*
Savery-Little Snake Battle Creek Diversions	Carbon		$ 871,000	67G
Sheridan 4 MG WTP Tank	Sheridan		$2,144,000	67G*
Shoshone Irrigation District Rehabilitation 2015	Park		$ 290,000	Materials Grant
Wheatland Irrigation District Rehabilitation 2015	Platte		$ 874,350	67G
Wind River Irrigation Rehabilitation 2015	Fremont		$1,482,121	67G*
Subtotal			$10,878,691	

* The appropriation of funds for these projects is contingent upon the 2015 Legislature's approval and Governor's approval of a supplemental budget request to provide additional funding for water development account II.

Summary-2015 Omnibus Water Bill-Construction (continued)

Level III Projects - Storage	Location	WDA I	WDA II	WDA III
Sheridan Supplemental Storage Level III	Sheridan			$5,628,000/67G

Amendments to Prior Appropriations	Location	WDA I	WDA II	Terms
Riverton Water Supply	Fremont	$2,772,000		67G/10L/4/20
South Thermopolis Water Supply	Hot Springs	$ 201,000		67G
Austin-Wall Canal Rehabilitation-Phase I	Uinta		$ 600,000	50.9G/3.4L/4/30
Eden Valley Farson Lateral Rehabilitation-Phase I	Sweetwater		$2,132,500	50G
Midvale Rehabilitation 2013	Fremont		$ 63,600	Materials Grant
Small Water Development Projects – 2014	Statewide	$ 500,000		50G
Small Water Development Projects – 2014	Statewide		$ 400,000	50G
Subtotal		$3,473,000	$3,196,100	

	WDA I	WDA II	WDA III
Total	**$26,403,870**	**$14,074,791**	**$5,628,000**

Summary-2015 Water Development Amendments

Name	Location	WDA I	WDA II
Sponsor's Contingency Funds	Statewide		$ 500,000

Total **$ 500,000**

III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2015 Legislative Session.

Water Development Account I
Preliminary Fiscal Projections as of 8/1/2014

Cash Balance 6/30/13		117,724,268
FY14 Revenues		
Taxes	19,297,500	
Interest	2,289,002	
Loans/Interest	4,525,530	
Other	93,328	
Total Revenues		26,205,360
FY14 Expenditures		
Total Expenditures		(36,491,351)
Cash Balance 6/30/14		107,438,277
Outstanding Commitments 7/1/14		
Active Appropriations	(176,350,305)	
Expenditures Paid	80,611,028	
Total Commitments 7/1/14		(95,739,277)
Total Uncommitted Balance 7/1/14		11,699,000
FY15 Anticipated Revenues		
General Fund	1,500,000	
Taxes	19,300,000	
Interest	2,200,000	
Other	4,000,000	
Total FY15 Anticipated Revenues		27,000,000
FY16 Anticipated Revenues		
General Fund	1,500,000	
Taxes	19,300,000	
Interest	2,200,000	
Other	4,000,000	
Total FY16 Anticipated Revenues		27,000,000
Subtotal Anticipated Revenues		54,000,000
Balance Available for Appropriation		65,699,000

Water Development Account II
Preliminary Fiscal Projections as of 8/1/2014

Cash Balance 6/30/13		22,039,982
FY14 Revenues		
Taxes	3,255,000	
Interest	405,570	
Loans/Interest	2,513,554	
Total Revenues		6,174,124
FY14 Expenditures		
Total Expenditures		(9,408,566)
Cash Balance 6/30/14		18,805,540
Outstanding Commitments 7/1/14		
Active Appropriations	(54,581,350)	
Expenditures Paid	31,486,680	
Total Commitments 7/1/14		(23,094,670)
Total Uncommitted Balance 7/1/14		(4,289,130)
FY15 Anticipated Revenues		
Taxes	3,300,000	
Interest	400,000	
Other	1,700,000	
Total FY15 Anticipated Revenues		5,400,000
FY16 Anticipated Revenues		
Taxes	3,300,000	
Interest	400,000	
Other	1,700,000	
Total FY16 Anticipated Revenues		5,400,000
Subtotal Anticipated Revenues		10,800,000
Balance Available for Appropriation		6,510,870

Water Development Account III
Preliminary Fiscal Projections as of 8/1/2014

Cash Balance 6/30/13		150,522,868
FY14 Revenues		
Taxes	775,000	
Interest	3,098,430	
Total Revenues		3,873,430
FY14 Expenditures		
Total Expenditures		(1,265,091)
Cash Balance 6/30/14		153,131,207
Outstanding Commitments 7/1/14		
Active Appropriations	(15,653,000)	
Active Appropriations - Gillette Madison	(16,415,000)	
Expenditures Paid	5,866,709	
Total Commitments 7/1/14		(26,201,291)
Total Uncommitted Balance 7/1/14		126,929,916
FY15 Anticipated Revenues		
General Fund	19,332,500	
Taxes	800,000	
Interest	2,200,000	
Total FY15 Anticipated Revenues		22,332,500
FY16 Anticipated Revenues		
General Fund	19,332,500	
Taxes	800,000	
Interest	2,200,000	
Total FY16 Anticipated Revenues		22,332,500
Subtotal Anticipated Revenues		44,665,000
Balance Available for Appropriation		171,594,916

IV. 2016 Projections

The Wyoming Water Development Commission 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 to ensure the account balances will not be exceeded and there will be sufficient funding for upcoming legislative sessions. The following table depicts the funding that should be available to each account for the 2016 Session.

Water Development Account I

Available 2015 Session		$65,699,000
Non-Project Anticipated Appropriations		
DWSRF	$ 1,474,527	
Deduct: Non-Project Appropriations		$ 1,474,527
Subtotal		$64,224,473
2015 Omnibus Water Bills		
Planning	$ 5,899,302	
Construction	$26,403,870	
Deduct: Omnibus Water Bills		$32,303,172
Subtotal		$31,921,301
Add: Anticipated 2015 Reversions		$ 2,000,000
Available 2016 Session		**$33,921,301**

Water Development Account II

Available 2015 Session		$ 6,510,870
2015 Omnibus Water Bills		
Planning	$ 597,000	
Construction	$14,074,791	
Sponsor's Contingency	$ 500,000	
Deduct: Omnibus Water Bills		$ 15,171,791
Subtotal		($ 8,660,921)
Add: Anticipated 2015 Reversions		$ 500,000
Add: Anticipated Supplemental Request		$18,653,241
Available 2016 Session		**$10,492,320**

Water Development Account III

Available 2015 Session		$171,594,916
2015 Omnibus Water Bills		
Planning	$12,850,000	
Construction	$ 5,628,000	
Deduct: Omnibus Water Bills		$ 18,478,000
Available 2016 Session		**$153,116,916**

The following table attempts to predict funding requests for the 2016 or later Legislative Sessions:

Water Development Account I

Phased Projects-Priorities		
Cheyenne Southern Pipeline – Phase III	$11,500,000	
Total Phased Projects		$11,500,000
Other Potential Projects		
Basin Planning	$ 250,000	
Watershed Studies	600,000	
Buffalo System Improvements	1,000,000	
Casper – Poplar St Zone II	1,100,000	
CWRWS-Wardwell Zone II	800,000	
CWRWS-Westwind Rd Transmission Line	5,500,000	
Cheyenne System Improvements	2,000,000	
Cheyenne Belvoir Well Field	10,000,000	
Cody Tank	2,500,000	
Deaver System Improvements	750,000	
Eden/Farson System Improvements	6,000,000	
Gillette Regional Extensions	25,000,000	
Greybull Tank	1,500,000	
Hanna Transmission	250,000	
High Meadow Ranch Improvements	2,250,000	
Laramie North Side Tank	12,000,000	
Lucerne Water Supply	1,500,000	
Lusk System Improvements	1,000,000	
Meeteetse System Improvements	1,000,000	
Moorcroft System Improvements	1,000,000	
Pinedale Tank	2,000,000	
Sheridan N. Loop Transmission Line – Phase II	1,500,000	
South Big Horn County Rural Water Expansion	5,000,000	
Star Valley Ranch Tank	1,000,000	
Sundance System Improvements	1,000,000	
Thermopolis System Improvements	1,000,000	
Total Other Potential Projects		$ 87,500,000
Grand Total WDA I		**$ 99,000,000**

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	800,000	
Douglas Box Elder Spring-Phase II	12,000,000	
Goshen Irrigation District	1,000,000	
Heart Mountain Irrigation District	4,000,000	
Midvale Irrigation District	500,000	
Shoshone Irrigation District	900,000	
Wheatland Irrigation District	1,000,000	
Willwood Irrigation District	800,000	
Total Phased Projects		$25,000,000
Other Potential Projects		
Austin Wall Reservoir Rehabilitation	$ 3,000,000	
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	
Keystone-Farmers	1,000,000	
Little Snake Canals	1,125,000	
Total Other Potential Projects		$14,075,000
Grand Total WDA II		**$39,075,000**

Water Development Account III

There are seventeen (17) dam and reservoir projects under consideration.

Alkali Creek Dam	$15,000,000
Big Sandy Enlargement	25,000,000
Clear Creek Storage	80,000,000
Cottonwood/Grass Creek Storage	19,000,000
Greybull Valley Storage Enlargement	15,000,000
Leavitt Reservoir	45,000,000
Meadowlark Lake Enlargement	15,000,000
Meeks Cabin Enlargement	15,000,000
Middle Piney Reservoir	4,000,000
New Fork Enlargement	15,000,000
Park Reservoir (Purchase existing storage capacity)	10,000,000
Sawmill Reservoir (Purchase existing storage capacity)	13,000,000
Sublette Creek Reservoir	23,000,000
Viva Naughton Enlargement	9,000,000
West Fork Reservoir	80,000,000
Wind River Storage (Two sites)	90,000,000
Grand Total WDA III	**$473,000,000**

ACTIVE PROJECT REPORTS

CHAPTER 3 – ACTIVE PROJECTS

1. PROJECT: Antelope Valley Regional Connection

LEVEL: III
SPONSOR: Antelope Valley Improvement and Service District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	100	2014	I	$201,000	2019

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 WWDC recommended a level III project with an appropriation of $201,000 in the form of a 67% grant. The Legislature approved the appropriation as part of the 2014 omnibus bill. Currently, the project agreement with the sponsor has been signed. The sponsor is awaiting completion of the extension from the Regional System to begin design of the connection.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

2. PROJECT: Arapahoe Pipeline & Tank

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	85	2007	I	$125,000	Complete
Level II	66	2009	I	$500,000	Complete
Level III	68	2010	I	$385,250*	2015

*67% grant, 33% sponsor

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 applicant is seeking funding of two additional distinct components at this time:

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 has prompted this funding application from the Northern Arapaho Tribe.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development program at Level III status with an appropriation of $1,926,920 (67% Grant only).

3. PROJECT: Arapahoe Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	85	2007	I	$125,000	2008
Level II	66	2009	I	$500,000	2010
Level III	68	2010	I	$385,250*	2015

*67% grant, 33% sponsor

PROJECT INFORMATION:
The community of Arapahoe is located in the southeast corner of the Wind River Indian Reservation, about 8 miles south of the City of Riverton (junctions of State HWY's 789, 137, and 138) at the confluence of the Popo Agie River with the Little Wind River. The water supply system is operated by the Northern Arapaho Utilities Organization.

The current water supply utility at Arapahoe has deficiencies in source supply, storage, transmission/distribution circulation, and fire suppression capabilities. The system is also partitioned, i.e., including at least three adjacent, but separate systems.

The near-term critical need was to site and develop a new well. As part of the well siting, it was necessary to conduct a master plan to determine where an additional supply would best meet the needs of the entire system. The master plan included a full operation model, a regionalization scheme for the system, a system management operation plan, and an appropriate fiscal/financial plan for accomplishing goals set forth.

A production-size well was completed in December, 2009. The well has a depth of 1,041 feet and was pump tested at 300 gallons per minute. The Level II report was completed in November 2010. A 2010 Level III appropriation was acquired to tie the well into the system and authorize the purchase of the Level II well.

The sponsor secured 33% of the project budget from the Department of Energy in mid-2011. The project agreements were completed and design started in early 2012. The project design was completed and bidding occurred mid-2013. The project has been completed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

4. PROJECT: Austin-Wall Canal Rehabilitation - Phase I

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$110,000	2010
Level II	32	2010	II	$388,680	2012
Level III	141	2012	II	$150,000*	2017
Level III	100	2014	III	$850,000*	2018

* 50% Grant

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 is now requesting $1,600,000 from WWDC for construction funding for the repair of those leaking canal sections.

The requested funding would be spread out over three consecutive years of appropriations. WWDC funding is proposed to be matched with $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 II)

In 2013, the WWDC recommended this project be advanced 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending this project be appropriated an additional $600,000 for construction.

5. PROJECT: Austin-Wall Reservoir Rehabilitation

LEVEL: II
SPONSOR: Austin and Wall Irrigation District
LOCATION: Uinta County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$110,000	2010
Level II	32	2010	II	$388,680	2012
Level II	66	2013	II	$280,000	2015

PROJECT INFORMATION:
This project, located near Fort Bridger in Uinta County, was originally studied under the Austin & Wall Canals Level I Study which investigated options for the rehabilitation of both the Austin and Wall Canals and Wall Reservoir. A final report was prepared in 2009 by the consultant and verified that the canals and reservoir were experiencing significant water loss due to seepage. The report also concluded that the use of water from Wall Reservoir for irrigation was critical when flows of the Blacks Fork River drop below the irrigation demand which is typical of most years.

During the 2010 Budget Session, the Legislature appropriated additional funding to further investigate potential improvements to the canals and the reservoir that could improve system efficiency and operation. The Level II, Phase I study also began the process of moving forward with irrigation district formation and to collect more information in preparation of an application for Colorado River Basin Salinity Control Program (CRBSCP) funding. In 2010 it was noted that preference in the CRBSCP would be given to projects that control over 1,000 tons of salt loading per year, would be completed in five years or less, and that the requested total funding from the Bureau of Reclamation would not exceed $6,000,000. In 2011, funding was awarded for the Austin and Wall Canals project in the amount of $5,988,333. This Level II study quantified seepage loss rates in both canals and identified reservoir seepage occurring primarily through the dam foundation rather than the embankment structure. The study recommended mitigation measures for the canals and further recommended that the potential salt loading caused by seepage and leaking from Wall Reservoir should be investigated in order to determine the potential for funding

through the CRBSCP. The report pointed to a significant portion of the seepage from the reservoir as occurring in the vicinity of the right abutment and recommended further geotechnical site exploration (borings into bedrock) and continued monitoring of water levels in existing piezometers.

In 2012, the Canal Rehabilitation portion of the project moved forward with a Level II, Phase II study that aimed to collect additional data with regard to canal seepage, seepage reduction alternatives, and salt loading in locations nearby the proposed canal improvements in preparation for a second application for CRBSCP funding. The total cost to rehabilitate both canals was estimated at $18,000,000. With the previous funding allocation from the CRBSCP, the Austin and Wall Irrigation District (District) requested the balance to fund the project ($12,000,000) from the WWDC Rehabilitation Program. It was deemed that an investment of this magnitude would impair the capability of the WWDC to invest in other needed projects. As a result, the District re-focused the study to identify only those portions of the canals where major seepage was an issue. This was followed by a 2013 request for $150,000 for design and permitting, a 2014 request of $850,000 for construction, and a current 2015 request of $600,000 for construction.

The current Level II, Phase II Reservoir Rehabilitation study was approved for funding by the 2013 Legislature with the primary focus to perform further review of the proposed remediation measures for addressing the seepage occurring at Wall Reservoir, further assess dam safety deficiencies, and to evaluate potential non-agricultural benefits and mitigation requirements for rehabilitation of the reservoir. A draft of the final report has been submitted to the WWDO and comments for the consultant are being prepared.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

6. PROJECT: Badwater-Poison Creek Watershed Study

LEVEL: I
SPONSORS: Lower Wind River Conservation District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$250,000	2015

PROJECT INFORMATION:
The Lower Wind River Conservation District requested a watershed study to evaluate storage opportunities, current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. 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. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans will be included.

The Badwater/Poison Creek watersheds, located east of Shoshoni in Fremont and Natrona Counties, is approximately 870,000 acres. Land ownership in the Badwater drainage is divided among federal (56%), private (32%) and state (10%). Land ownership in the Upper Poison drainage is divided among federal (39%), private (49%) and state (12%). Land ownership in the Lower Poison drainage is divided among federal (80%), private (11%) and state (9%). The watershed includes two primary stream systems, Badwater Creek and Poison Creek.

This study developed an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information was incorporated into development, rehabilitation and management plans complete with cost estimates for potential future project activities. This project was completed in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

7. PROJECT: Bear River Basin Groundwater Analysis

LEVEL: I
SPONSOR: WWDC
LOCATION: Bear River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	32	2010	I	$175,000	2014

PROJECT INFORMATION:
Groundwater is an important resource in the Bear River Basin. The groundwater analysis was needed to define the groundwater resources in the basin and their potential for development. The study identified the aquifers present, extent of the aquifers, recharge areas, water quantity and quality, and estimate safe yields. The study was completed in 2014 and the final products are available on the WWDC website.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

8. PROJECT: Bear River Hydrology Model

LEVEL: I
SPONSOR: WWDC
LOCATION: Bear River Basin, Wyoming
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$50,000	2016

PROJECT INFORMATION:
This project is part of the river basin planning process for the state. River basin planning has been an important part of the water development program since 1999 when the current river basin planning process was initiated. Basin plans have been completed in all seven major river basins of the state, and a statewide framework water plan was completed in 2007. Since completion of the framework water plan, conducting plan updates and acquiring better data and analysis methods have been the focus of the river basin planning process.

As part of the data acquisition and analysis process, a decision support system (DSS) feasibility study was conducted. A DSS is a system of hydrology models, tools and data that allow better estimation of water resources available for use and better methods for establishing where water surpluses and shortages occur. The DSS feasibility study focused on the Green River Basin but

indicated that the system should be established for the entire state. The DSS will be a cooperative effort between the State Engineer's Office (SEO) and the Water Development Office (WWDO). The SEO is developing the databases and data necessary for a DSS. The WWDO will develop the simulation model and modeling tools necessary to make projections and estimates of water surpluses and shortages.

The Bear River Basin has been selected as the first basin for model development, because appropriated data sets are available and initial simulation modeling efforts have been completed. Developing the model from an existing structure and using existing data sets will be an advantage and help in the model protocol and data needs for other basins within Wyoming. The model is currently being developed in-house with the assistance of a consultant that provides technical support. During 2014, consultant services were not required. Progress thus far primarily includes mapping the extent of the model, acquisition and digitization of historic data and water rights, development of DSS files, and creation of the basin model schematic.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

9. PROJECT: Bear River Watershed Study

LEVEL: I
SPONSOR: Lincoln Conservation District
LOCATION: Lincoln and Uinta Counties
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Lincoln Conservation District and co-sponsor Uinta County Conservation District request 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, 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 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 2016.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $375,000.

10. PROJECT: Belle Fourche River Watershed Study

LEVEL: I
SPONSOR: Crook County Irrigation District and the Crook County Natural Resource District
LOCATION: Crook County, Campbell County and Weston County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$350,000.00	2015

PROJECT INFORMATION:
The Crook County Irrigation 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. 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. 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 Belle Fourche River watershed, located primarily in Crook and Campbell County, covers approximately 1,600,000 acres. Land ownership in the watershed is predominately private (~70%), Federal (~20%) and state (~10%). The Belle Fourche River watershed includes the primary stream system of the Belle Fourche River and numerous tributaries including Redwater River, Beaver Creek, Hay Creek, Kara Creek, and Oak Creek. Keyhole Dam and Reservoir is a Bureau of Reclamation storage facility located on the main stem of the Belle Fourche River.
The final report is expected in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

11. PROJECT: Bench Canal Company Master Plan

LEVEL: I
SPONSOR: Bench Canal Company
LOCATION: Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	II	$170,000	2015

PROJECT INFORMATION:
Bench Canal utilizes water from the Greybull River and Lower and Upper Sunshine Reservoirs to irrigate about 16,300 acres on the Emblem Bench. A diversion dam on the Greybull River diverts water into the canal system. The Bench Canal heads in the valley of the Greybull River and flows northeast along the north boundary of the valley wall. It then crosses the Emblem Bench and extends to Dry Creek. Bench canal conveys water to four laterals and three sublaterals that distribute water to irrigated lands in the project.

Bench Canal Company currently does not have a formal improvements plan in place. The canal system utilizes about 200 concrete structures, consisting mainly of dividers, checks, and check-drops. Most of the canal facility is over 75 years old, and almost half of the concrete structures are deteriorating. Canals and laterals need to be assessed in terms of their current ability to safely and efficiently convey water. This study is evaluating irrigation features in terms of condition and functionality and prioritize them for improvement, rehabilitation, or replacement

System repairs have been performed within the system as they are needed along with necessary seasonal maintenance to system components to keep them operational. Rather than conducting system repairs on an as-needed base, the Bench Canal Company will benefit from a system inventory, assessment, and plan that would prioritize needed improvements and help them prepare for future construction and financing. Upon completion, this study will allow the company to take a proactive approach toward implementing rehabilitation or replacement of its existing features and help prepare for future financing. The majority of work thus far on the project involved system mapping, GIS development, and inventories and assessments of irrigation structures. This project is on schedule and on budget with a completion scheduled for fall-2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

12. PROJECT: Big Horn Canal Rehabilitation 2012

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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 Greybull. Subsequent to the Level II study completed in April 2007, the sponsor requested loan and grant funding to replace the wasteway 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 are being constructed in the winter of 2014-2015 with available funds. To date the sponsor has chosen not to request additional funding for the facilities at Five Mile Creek. Construction for this sponsor has been publically advertised, competitively bid, and is being constructed by a contractor. The project is anticipated to be completed prior to the 2015 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

13. PROJECT: Big Horn Canal Underway

LEVEL: New Application (Level III)
SPONSOR: Big Horn Canal Irrigation District
LOCATION: Big Horn and Washakie Counties
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$ 150,000	2006

PROJECT INFORMATION:
The Big Horn Canal Irrigation District's main canal (Big Horn Canal) extends from south of Worland to 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 sponsor has requested Level III funding to construct a replacement, with hopes of another collaborative effort with interested parties.

This project will be publically advertised, competitively bid, and constructed by a contractor. Optimistically this project could be constructed beginning in the fall of 2015 and be complete prior to the 2016 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Big Horn Canal Underway Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $175,000. The financing plan includes 67% grant and 33% loan for design, construction, and related eligible costs to complete the project. The sponsor is responsible for the remainder of the project costs.

14. PROJECT: Big Horn Regional Well Connection

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	36	2000	I	$ 160,000	2002
Level II	86	2001	I	$ 670,000	2002
Level II	7	2002	I	$ 675,000	2004
Level II	75	2005	I	$1,500,000	2010
Level II	66	2009	I	$ 850,000	2010
Level III	14	2012	I	$4,730,200	2017
Level III	100	2014	I	$1,447,200	2017

PROJECT INFORMATION:
The BHRJPB provides rural domestic water through a regional system that serves Big Horn, Washakie, and Hot Springs Counties, including the Town of Greybull, Town of Basin, Town of

Manderson, and the City of Worland. A WWDC Level II test well (BHRJPB No. 2 Well, Permit No. U.W. 191378) was drilled 6 miles east of Greybull, Wyoming to a depth of 3,020 feet and completed November-December of 2009, acid-frac enhanced April 2010, and flow tested May 2010. The well flows artesian at 1,200 gallons per minute from the Madison Group aquifer. All water quality parameters meet EPA safe drinking water standards.

It is the sponsor's intention to connect the well via an18"dedicated pipeline to the Town of Greybull's 1 MG east tank and build a 12" regional loop connection pipeline to join the existing Basin Garden on the east side of the Big Horn River. The Big Horn Regional system is presently supplied by member-controlled supply wells. The City of Worland wells supply over half the service area demand. Development of the BHRJPB No. 2 provides BHRJPB its own solely controlled source supply and relieves the some of the demand on the Worland well field.

Project agreements are complete and the sponsor began design in 2012. The design was completed in early 2014. Construction began in mid-2014 and be completed by the end of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

15. PROJECT: Big Sandy Enlargement

LEVEL: II
SPONSOR: State of Wyoming/Eden Valley Irrigation and Drainage District
LOCATION: Sublette and Sweetwater Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	III	$100,000	2014
Level II	1	2011	III	$300,000	2014

PROJECT INFORMATION:
At the recommendation of the Wyoming Water Development Commission (WWDC), the Legislature appropriated $100,000 during the 2009 General Session to the WWDC, which was used to conduct a reconnaissance level (Level I) analysis of the basin's hydrology and its ability to support an enlargement of Big Sandy Reservoir, which is located near Farson, Wyoming and in the southern extremity of Sublette County and the northern extremity of Sweetwater County. In addition to the hydrologic analysis, funds were used to conduct a bathymetric survey of the reservoir to determine the volume of reservoir space that has been lost to sediment accumulation. Both the hydrologic analysis and bathymetric survey were conducted by the U.S. Department of the Interior, Bureau of Reclamation (Reclamation) via a "Technical Service Agreement" between the WWDC and Reclamation. Reclamation's hydrologic letter report indicates that the basin's hydrology may support an enlargement of 11,000 acre-feet and that approximately 1,700 acre-feet of reservoir capacity has been lost to sediment.

Historically, the Eden Valley Irrigation and Drainage District (District), operator of Big Sandy Reservoir, has not been able to meet crop irrigation requirements during dry hydrologic cycles. The District has been actively pursuing conservation programs, i.e. replacing open laterals/ditches with pipe to increase project efficiency and to decrease irrigation related salt loading in the Colorado River Basin. Conservation may partially address shortages during normal and dry hydrologic cycles.

The WWDC received funds during the 2011 General Session to advance the project to a Level II study status. A major focus of the study has been to identify water savings due to conservation measures that have been recently implemented to determine whether water shortages still exist (in light of the basin's hydrology) and to size a potential increase in storage (from a federal purpose and need perspective). Funds have also been used to complete a fatal flaw analysis to determine if there are any environmental or institutional requirements that may prohibit pursuing the project. It has been determined that permanently enlarging Big Sandy Reservoir by approximately 5 feet, which Reclamation determined could be hydrologically supported, would impact a significant acreage of wetlands. If, after a NEPA mandated alternatives analysis, a Big Sandy enlargement was considered the least environmentally damaging practical alternative, finding locations for mitigation would most likely be operationally and cost prohibitive. In addition, a Sage Grouse Density and Disturbance Calculation Tool (DDCT) analysis has been completed and the proposed enlargement would not be in compliance with the Governor's Executive Order because total surface disturbance (6.35%) is greater than the 5% threshold. Even without the new disturbance, the area of existing disturbance in the DDCT analysis area (5.91%) is above the 5% threshold. Lastly, the potential to generate hydroelectric power has been studied and determined not to be cost effective.

Considering the environmental impacts of a permanent raise, work has been shifted to analyzing spillway raises on Big Sandy and Eden Reservoirs and water management within the system. If temporary inundation with a spillway raise can be proven not to adversely impact wetlands and/or sage grouse habitat, there is potential to make improvements to the Eden Project. Improvements to Eden Canal between Big Sandy and Eden Reservoirs are also part of this analysis as it is a crucial component in providing operational flexibility. Funds from the 2011 appropriation have been added to the existing engineering contract to study wetland plant inundation durations and tolerances, and to further model system hydrology/water management. Results to date show a need for additional storage to ensure more consistent delivery of the project water supply to District members. During dry cycles, sufficient storage is not available and an enlargement would add to the reliability of the system with carry-over water. Furthermore, the availability of early season water would allow the District to potentially increase their acreage of higher valued crops. Recent wetland delineations are still being processed and should provide a better understanding of the magnitude of reservoir raise that is feasible without wetland impacts. Furthermore, it is believed that temporary inundation should not be considered a permanent impact to sage grouse habitat. Therefore, in regards to permitting, it's emerging that at least a minimal enlargement (≈2') should be feasible and the extent will depend on what can be scientifically justified after wetland delineations are analyzed.

A portion of the 2011 appropriation has also been used to add a task order for Reclamation, via the "Technical Service Agreement", to analyze spillway raises on their facilities. The task order includes project management, preliminary design and risk analysis, a value planning study and appraisal level alternatives. The risk analysis was held on May 13-17, 2013 to evaluate the baseline static, seismic and hydrologic risks at Big Sandy Dam, and to evaluate potential changes to these baseline risks that result from storing additional water. At Big Sandy Dam, most of the static risks are driven by the potential for internal erosion. Thus, it was determined that the only realistic static failure modes which warranted probabilistic risk analyses involved the potential for internal erosion. The potential seismic failure modes include possible liquefaction or strength loss of the foundation materials under the dam during an earthquake which could result in excessive deformation that could lead to overtopping or result in cracks and thus increased potential for internal erosion. Hydrologic failure modes identified for Big Sandy Dam include overtopping as a result of significant flooding events. Reclamation's Dam Safety Office has provided guidance that the total risks for Big Sandy Dam following a reservoir enlargement would have to be equal to or less than the total risks for existing conditions, or "risk neutral." The analysis of potential failure

modes associated with each risk category concluded that static risk was the principal factor to address to maintain risk neutrality with a reservoir enlargement. Therefore, modifications to enlarge Big Sandy Reservoir would have to include design aspects that would reduce the risks for the following four potential failure modes: internal erosion along the outlet works conduit, internal erosion along the dike and left portion of the dam foundation contact, internal erosion through the dike embankment, and internal erosion along the conduit through the dike embankment.

The value planning study was held November 18-21, 2013 to develop proposals that address the specific failure modes and alternatives that address all the failure modes. Ideas were evaluated, analyzed and prioritized, and the best ideas were developed to a level suitable for comparison, decision making and adoption. Ultimately, four alternatives were developed that maintain at least a "risk neutral" condition for the Big Sandy facility while providing the benefit of additional storage with a reservoir enlargement. In June of 2014, based on the results of the value planning study, appraisal-level alternatives were developed that included figures, quantities and cost estimates, and associated risk estimates. Cost estimates are in the range of $6.5M-$8M for up to a 5' enlargement (11,000 acre-feet).

Considering the preliminary results of Reclamation's analysis, and the analysis to date on issues associated with wetlands and sage-grouse habitat, the WWDO feels the project would be economical even if only a nominal raise was pursued. Each foot of enlargement equates to approximately 2,500 acre-feet of additional storage. Therefore, the WWDO is recommending an appropriation of additional funds to add task orders for Reclamation, via the "Technical Service Agreement", to continue analysis of the spillway raise on their facility. The first task order would include project management, geotechnical investigation and reporting, update of flood hydrology and routing, alternatives analysis for modifying and relocating the Eden Canal between Big Sandy and Eden Reservoirs, NEPA compliance, water rights and project authorization. The decision for the height of the spillway raise will need to be made by August 1, 2015 which should leave adequate time for wetland analysis, regulatory agency discussions, and a determination of magnitude. Reclamation will not proceed with work until notice to proceed is provided by the WWDO, so if a fatal flaw is discovered, the work will not begin and can be discontinued at any time. The second task order, should information gathered warrant the project to moved forward, would be 60% design, specifications, 90% design, estimates, contract review, final design/specifications and bid process, effectively advancing the project to be ready for construction.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends additional funding, in the amount of $2,000,000, from the Dams and Reservoirs Program, to continue the current Level II Storage Feasibility Study. The funds will be used to add task orders for Reclamation, via the "Technical Service Agreement".

16. PROJECT: Big Wind River Storage Study

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

EXISTING LEGISLATION:

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

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 can be offset by constructing dam and reservoir projects in both drainages that would store spring runoff which would then be used by irrigators in either the Little Wind and/or Big Wind River Drainage. These shortages were reaffirmed by Short Elliot and Hendrickson (SHE) in the "Upper Wind River Storage Project – Level 1 Study" which was prepared for the WWDC in 2001.

During the 2014 Budget Session, the Eastern Shoshone and Northern Arapahoe Tribes applied for and received funding to conduct a Level II Storage Feasibility Study that would build on the 2001 Level I study. The Level II study will analyze irrigation water shortages and available water 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. The study is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

17. PROJECT: Blacks Fork Watershed Study

LEVEL: I
SPONSOR: Uinta County Conservation District
LOCATION: Uinta County, Sweetwater County, Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$350,000.00	2015

PROJECT INFORMATION:
The 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. 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. 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 Blacks Fork watershed located north and east of Evanston in Uinta County, Lincoln County, and Sweetwater County, covers approximately 2,300,000 acres. Approximate land ownership in the watershed is divided among federal (25%), private (60%) and state (15%). The Blacks Fork River watershed includes three primary stream systems, the Blacks Fork River, the Smiths Fork River, and the Hams Fork River. Also within this study area, largely in Sweetwater County, is an extensive upland private and BLM "checkerboard" called the Granger Lease. The final report is expected in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

18. **PROJECT:** **Broken Wheel Ranch Master Plan**
LEVEL: I
SPONSOR: Broken Wheel Ranch, Property Owners Association (POA)
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Broken Wheel Ranch POA is located in northwestern Lincoln County and the Salt River Basin, about 4 to 5 miles south of the Town of Alpine. The POA subdivision public water system serves the population of 30 through 20 taps. The POA is supplied with groundwater from one 256-foot deep well most likely completed into the Upper Tertiary Salt Lake Formation/Teewinot Formation. The permitted yield of the well is 15 gallons per minute (gpm). The POA's system includes two (2) 5,000-gallon storage tanks with a total combined capacity of 10,000 gallons.

A Level I master plan study is requested to evaluate the Broken Wheel Ranch POA water system to identify any deficiencies, make recommendations to improve system operation, to plan for future system replacements/improvements and to plan for future population growth to the full 39 lots. In addition, the master plan study will look at regionalization opportunities in northern Star Valley.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be funded as a Level I Master Plan Study with an appropriation of $100,000.

19. **PROJECT:** **Buffalo Master Plan**
LEVEL: I
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$190,000	2015

PROJECT INFORMATION:
The City of Buffalo public water system serves the population of 5,121 through 2,500 taps. The City is supplied with surface water from Clear Creek (up to 26 cfs), and they have storage in Tie Hack and Willow Park Reservoirs. The City also has a raw water system for irrigation of parks/schools/etc. that is supplied from one shallow alluvial well yielding up to 700 gpm. The total combined use of the raw water system in 30 million gallons/year. The City's potable water system includes three storage tanks with a combined capacity of 3,850,000 gallons.

The City of Buffalo requested a Level I study to evaluate the current condition of the City's water system and to determine the ability of the City's water system to allow them to continue to operate, to determine options for increasing the system efficiency, and to determine the ability of the City system to provide new water service to Johnson County residents located in the surrounding areas. The study began in June 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

20. PROJECT: Buffalo Northwest Pipeline

LEVEL: III
SPONSOR: City of Buffalo supported by Johnson County
LOCATION: Johnson County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	32	2010	I	$ 75,000	2011
Level III	14	2012	I	$ 365,000*	2017
Level III	141	2013	I	$3,644,000*	2017

* 67% grant, 33% loan

PROJECT INFORMATION:
Johnson County Airport and surrounding areas are presently served by individual wells. The water in these wells does not meet drinking water standards. Potable water is hauled from the City of Buffalo. In addition, the area north of the City of Buffalo between French Creek Road and the Interstate-90 corridor is being developed for residential use.

The potential for both residential and commercial business development within the areas described above is considerable. On September 15, 2009, the City Council of Buffalo voted to expand the use of its water supply to create a multi-purpose project which includes the transmission and the distribution of water on the north end of Buffalo outside the city limits and adjacent to the Interstate-90 corridor. The Level I water supply study was completed in 2011.

This Level III project is to construct a public water supply transmission pipeline (12-inch, 21,500 linear feet) and a new 500,000-gallon storage tank, which will transmit water from the City of Buffalo to the Johnson County Airport and rural users in the adjacent areas to the northwest and east of the City of Buffalo. The project will have two phases. Phase I of the project will include the design, permitting and land acquisition for the project. Phase II will include the project bidding and construction.

In 2012, the City received its Phase I funding from the WWDC for the design, permitting and land acquisition for the project. The City received $365,000 in the form of a 67% grant and 33% loan financing package. The City selected an engineer and progressed in a timely manner for the project design, permitting and land acquisition.

In 2013, the City received its Phase II funding from WWDC for the bidding and construction of the project. The City received an additional appropriation of $3,644,000 in the form of a 67% grant and 33% loan financing package. Phase I of the project was completed in August 2013. The project then entered Phase II for the bidding and construction of the project. The project received favorable bids in-late 2013 and construction took place in 2014.

The project construction is nearing completion and is anticipated to reach final completion in-early 2015. The City, Engineer, Contractor and WWDC have all worked together in building a beneficial project for the City.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

21. PROJECT: Buffalo South Loop Pipeline

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$ 600,000	2008
Level III	68	2010	I	$1,182,000*	2015
Level III	141	2013	I	$ 775,000*	2018

*67% grant, 33% loan

PROJECT INFORMATION:
The 2008, Level I, Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master plan, identified a transmission line project for the Town of Buffalo. The City requested Level III funding to replace 3,800 feet of transmission main between the existing south storage tank and the new school. The existing transmission main is asbestos cement and is approximately 30 years old. The existing pipeline has become unreliable suffering multiple line breaks and ruptures in recent years. A new pipeline would provide reliable water delivery and the necessary fire flows to the residential, commercial and school users.

In 2013, the City of Buffalo received a Level III New Development project with an appropriation of $775,000 (67% grant and 33% loan).

In 2013, the City secured the services of and engineer, initiated the design process, and started securing the necessary project easements. The project's pipeline alignment needed to change due to existing easement restrictions on the existing pipeline. The project has been re-aligned, designed and all of the necessary easements have been secured. It is anticipated the project will initiate the bidding process in-early 2015 with construction to follow.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

22. PROJECT: Burns Well Connection

LEVEL: II
SPONSOR: Town of Burns
LOCATION: Laramie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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

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. The purpose of the Level II groundwater feasibility study was to increase the water supply for the Town of Burns. Aquifer testing of the Town's existing wells was completed in fall 2011. By August 2012, the Level II test well into the Arikaree Formation was constructed and aquifer tested.

The WWDC 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. WWDC financing will be a 67% grant and 33% loan. The project is in the design phase with construction anticipated in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

23. PROJECT: Byron Master Plan

LEVEL: I
SPONSOR: Town of Byron
LOCATION: Town of Byron, Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$ 40,000	2004
Level III	75	2008	II	$1,561,000*	2013

*Byron Raw Water Supply, Level III. Program: Rehabilitation. Appropriations: $1,561,000. Actual Expenditures: $170,214. Description: Design to replace ditch system with pipe. Year Completed: 2010. Session Law Year: 2003, 2004, 2008, 2010. Project never constructed. All WWDC expenditures ($170,214) returned to WWDC.

PROJECT INFORMATION:
The Town of Byron receives its treated drinking water supply from the Shoshone Municipal Pipeline (SMP). Water rights associated with the town's water system are held by SMP. The water system includes a 400,000 gallon, elevated, welded-steel storage tank that is located in Byron and serves as the point of connection to the town's distribution network. SMP owns and maintains this tank. Water consumers on the system consist of residential users. The town has a separate raw water system used for irrigation that is gravity-fed from the Sidon Canal which is sourced from the Shoshone River. Three groundwater wells also provide raw water for irrigation within town. The town's working knowledge of its distribution system is based off as-built paper plans. Computerized GIS or CAD mapping does not exist.

The Town of Byron does not have a formal plan in place for its water distribution system. The town is in need of GIS mapping and an assessment of its water distribution system along with a prioritization of system improvements and a long-term plan. A master plan will provide the town with the tools and guidance needed to assist in planning, rehabilitation, upgrading, and management

of its system. System maps and hydraulic model would be developed so the town can update and manage growth and changes to its water system in an efficient, prioritized, and systematic manner.

This Level I study would primarily accomplish the following in the form of a master plan: inventory, map, and evaluate the existing water system infrastructure; prepare a hydraulic model to simulate and assess system operations, demands, and fire flows; identify, prioritize, and prepare conceptual-level designs and cost estimates for needed capital improvement projects; and, review the town's rate study and prepare a financial plan for system improvements.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $130,000.

24. PROJECT: Cambria Tank

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$100,000	2010
Level II	1	2011	I	$125,000	2014

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the New Development Program with an appropriation of $626,450. The recommended financing plan includes a 67% grant with the Sponsor responsible for 33% of the project budget.

25. PROJECT: Casper Alcova Rehabilitation 2010

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	II	$200,000	2008
Level III	68	2010	II	$477,040*	2015

*67% grant

PROJECT INFORMATION:
Subsequent to the Casper Alcova Irrigation District (CAID) Master Plan and GIS study, the CAID requested funding to replace a portion of Lateral 210 and 210-50 with a buried pipeline. There are approximately 1,213 irrigated acres dependent upon these lateral segments for water. 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 financed eligible project costs including design, construction engineering, land rights, permitting, and construction.

The construction is complete and the project was closed out in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

26. PROJECT: Casper Alcova Rehabilitation 2015

LEVEL: New Application (Level III)
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	II	$200,000	2008

PROJECT INFORMATION:
Subsequent to the Casper Alcova Irrigation District (CAID) Master Plan and GIS study, the CAID is requesting funding to replace segments of Laterals 328 and 239 with buried pipeline. The sponsor is requesting 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.

Optimistically the construction could begin in the fall of 2015 and if built one lateral segment per year be complete prior to the 2017 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Casper Alcova Rehabilitation 2015 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $187,600. The financing plan includes 67% grant for design, construction, and related eligible costs to complete the project. The sponsor is responsible for the 33% matching funding as well as any remaining project costs

27. PROJECT: Casper Poplar Transmission Pipeline

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	121	2007	I	$3,200,000*	2012
Level III	68	2010	I	$ 663,300**	2015
Level III	14	2012	I	$1,541,000**	2017

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

PROJECT INFORMATION:
The City of Casper's funding is based on recommendations from the 2006 Level I Casper Master Plan Study.

Areas of Casper's Zone II have less than desirable water system operating pressure, some below the DEQ minimum of 35 psi. As part of the identified improvements to Zone III, the low pressure areas of Zone II will be served by the Zone III water system in order to improve operating pressures and fire flows. The new 12-inch PVC Zone III transmission line will move a portion of the Zone II users over to the Zone III pressure zone. The Zone III pipeline will parallel the existing Zone II pipelines and will allow the City to "rezone" the low pressure areas without adversely impacting the remaining Zone II areas. The Zone III transmission pipeline will provide redundant transmission capacity and better fire flow capability. The pipeline starts at Wyoming Boulevard and heads north on Poplar Street to 39th Street, and then west on 39th Street to Ridgecrest Avenue.

The project also provides funding for the replacement of a 12-inch cast iron transmission line (approximately 55 years old) from the Zone II water storage tanks with a 16-inch PVC transmission line. Portions of the Zone II transmission line will parallel portions of the Zone III transmission line construction providing for a cost effective pipeline replacement. The pipeline replacement started at the Zone II tanks located at Wyoming Boulevard and goes towards Poplar Street, then north on Poplar to 39th Street, and then west on 39th Street to Arroyo Drive. This portion of the work was completed in late fall 2013.

The Sponsor will also be replacing two transmission lines and a distribution line in the project area at their expense. This portion of the work is planned for the spring of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

28. PROJECT: Casper Raw Water Supply II

LEVEL: III
SPONSOR: City of Casper, Incorporated Municipality
LOCATION: Natrona
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	118	2004	I	$452,500	2008
Level III	141	2013	I	$487,600	2018

In September 2003, the City of Casper submitted an application for a Raw Water Irrigation project to serve the North Casper Soccer Complex. Funding for this project was approved by the 2004

Legislature. Water is pumped from the North Platte River through a 12-inch PVC pipeline to a slow sand filtration pond. The slow sand filtration pond removes suspended solids that could potentially plug the sprinkler heads at the soccer complex. Water collected from the slow sand filtration under drain system is pumped to the soccer complex to irrigate the grass fields. This project irrigates 40 acres of land at the complex. Construction was completed in 2007.

The City of Casper has submitted a new application for an expansion of the Raw Water Irrigation project to serve the North Casper Athletic Complex. The project consists of the modification of the existing river intake structure completed in 2007, construction of a new slow sand filter, construction of a cartridge filter system, and construction of a 12-inch transmission main. The modifications to the river intake consist of a sluice gate, traveling screen, and the installation of a new level sensor. This project will irrigate an additional 30 acres at the Complex. The new slow sand filter and cartridge filter system have been determined to be treatment and, therefore, not WWDC eligible.

The City requested a 67% Grant for the engineering design, permitting, legal fees, construction administration and construction of the project. This project will expand the existing raw water irrigation system and reduce the demand of the public water system and water treatment plant. Project construction is anticipated to begin in late 2014 and conclude in mid-2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

29. PROJECT: Casper Zone 3 Improvements

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

EXISTING LEGISLATION:

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

*67% Grant

PROJECT INFORMATION:
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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	121	2007	I	$3,200,000*	2012
Level III	68	2010	I	$ 663,300**	2015
Level III	14	2012	I	$1,541,000**	2017

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

PROJECT INFORMATION:
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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III funding with an appropriation of $1,728,600. The financing plan includes a 67% grant to be used for design and construction activities. The sponsor will be responsible for obtaining the remaining 33% funding.

31. **PROJECT:** **Centennial Well and Master Plan**
LEVEL: New Application (Level I)
SPONSOR: Centennial Water & Sewer District
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	79	1998	I	$150,000	Complete
Level III	84	1990	I	$315,000	Complete
Level III	16	1999	I	$110,000	Complete
Corner Mountain Water & Sewer District #3 Test Well:					
Level II	*36*	*2000*	*I*	*$115,290*	*Complete*

WWDC funds were utilized to build portions of the original Centennial Water & Sewer District system (wells, transmission lines and storage) beginning in 1989. There has been no system evaluation since construction, hence the need for a master plan to assess the present state of the investment. Centennial presently treats its well water for Arsenic contamination in excess of the EPA primary maximum contamination level. The Corner Mountain No. 3 Well was drilled as a production-sized exploration well by the WWDC in 2000 for the Corner Mountain Water & Sewer District, just north of Centennial. The Corner Mountain project did not advance and since that time the well has sat idle. The No. 3 well yielded 200 gpm and had excellent water quality with no constituents in excess of EPA primary and secondary standards. There is an opportunity for the Centennial Water & Sewer District to acquire the well if it is still a viable supply source and could

be a future asset. Future addition of the Corner Mountain #3 well would eliminate Centennial's treatment requirement and would serve future increased demands. Concurrent with the aforementioned well evaluation, the master plan for the District's system would be conducted to determine a plan for future improvements/operations.

Recommended Legislative Action:
The WWDC recommends that the project be incorporated into the New Development program at Level I status with an appropriation of $175,000.

32. PROJECT: Central Wyoming Regional Elevated Tank

LEVEL: III
SPONSOR: Central Wyoming Regional Water System JPB
LOCATION: Natrona County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	100	2014	I	$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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

33. PROJECT: Central Wyoming Regional Zone IIB

LEVEL: III
SPONSOR: Central Wyoming Regional Water System JPB
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	63	2011	I	$1,959,750*	2016

*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 water booster pump station and transmission pipeline as recommended in the 2006 Water Master Plan. A 16-inch pipeline will be constructed in Amoco Road from Bryan Stock Trail to North Poplar Street. The booster pump station would be constructed near Bryan Stock Trail. The transmission pipeline and water booster station would service existing Regional water system zone IIB wholesale customers with system redundancy able to handle peak flow demands, fire flows, adequate pressure, and future growth.

In 2011, the Central Wyoming Regional Water System JPB received a Level III New Development project with an appropriation of $1,959,750 (67% grant). The Central Wyoming Regional Water System JPB has secured the services of an engineer and the design is complete and permitting is underway.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

34. PROJECT: Cheyenne Southern Pipeline

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	63	2011	I	$14,029,800*	2016
Level III	141	2013	I	$ 4,261,200*	2018
Level III	10	2014	I	$0**	2018

* 67% grant only
** change in project description only

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 (BPU) 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.

Phase II of the Southern Water Transmission Project includes 11.5 miles of transmission main ranging in size from 42-inch to 12-inch. The Phase II route 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 would 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 would be to loop the Southern Water Transmission Main into the City's water system near the Downtown. The project design was completed in December of 2012 with a bid opening in March 2013. The transmission portion of the project is currently under construction and will be completed mid-summer 2014.

The bids for the Phase II transmission lines came in lower than expected and the City requested that a pump station be added to the project. The pump station is needed 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. The pump station will raise the hydraulic grade line to a level sufficient to fill the tank and will improve pressures for peak hour demand and fire flows. The pump station was added to the project by the 2014 legislation. The transmission lines are complete and the pump station is under construction.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

35. PROJECT: Cheyenne Southern Pipeline Phase III

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	I	$1,206,000*	2019

* 67% grant only for design

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 (BPU) 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 currently building 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. This project is scheduled to be completed in 2014.

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 City is currently seeking to hire an engineer to design the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

36. PROJECT: Clear Creek Storage

LEVEL: II
SPONSOR: Lake DeSmet Conservation District
LOCATION: Johnson and Sheridan Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	III	$300,000	2011
Level II	1	2011	III	$250,000	2014
Level II	66	2013	III	$350,000	2014

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 availability was identified as the largest issue. 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 has the potential for multiple uses and benefits, not just supplemental irrigation. The Reservoir would be located off-channel on the ephemeral Bull Creek drainage, approximately 5 miles south of the City of Buffalo, 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 is 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, possibly 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 has been placed on engaging the parties potentially affected and/or benefited by the Bull Creek Reservoir concept. Thus far, feedback from these conversations has been very positive and plans are in place to continue the discussion so as to develop the partnerships necessary to bring the project to fruition, should it be ultimately considered feasible. Work has also focused on hydrologic model refinement, geotechnical and environmental investigations and economics to further determine the feasibility of the preferred alternative. Recent geotechnical investigation results of the Bull Creek Reservoir site show a strong foundation to safely build an embankment on, however

uncontrolled seepage rates appear 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 have 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 has risen.

With the latest information from the subsurface geotechnical investigation and at the recommendation of the WWDO, the Lake DeSmet Conservation District is requesting additional funding to continue the Level II, Phase II Storage Feasibility Study to further consider the Bull Creek Reservoir site and alternatives to said site analyzed in the Clear Creek Storage, Level II Study. With the request, the WWDO and District's intent is to avoid overlooking any feasible alternatives that could be constructed at a lesser cost. The additional funding will be utilized to determine a preferred alternative storage site, further develop the project and beneficiaries, and if merited, purchase option contracts for easements and land acquisitions. Additional work could include geotechnical investigation of alternative sites and/or additional investigation of the Bull Creek alternative; ownership, 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends additional funding, in the amount of $700,000, from the Dams and Reservoirs Program, to continue the current Level II, Phase II Storage Feasibility Study.

37. PROJECT: Clearmont Test Well Study

LEVEL: II
SPONSOR: Town of Clearmont
LOCATION: Sheridan County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	85	2007	I	$75,000	2009

PROJECT INFORMATION:
In 2008, the WWDC and Weston Engineering completed a Level I Study 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.

The Town request that the WWDC conduct the Level II Study as recommended in the 2008 WWDC Level I Study to conduct the well siting study and drill an exploratory test well to replace Well #1.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be funded as a Level II Feasibility Study with an appropriation of $750,000.

38. PROJECT: Cody Canal Rehabilitation 2013

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$250,000	2006
Level II	33	2008	II	$200,000	2010
Level III	141	2013	II	$144,000*	2018

*67% grant, 33% loan

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

The WWDC has provided funding to the sponsor to complete the rehabilitation projects identified in Level II studies. The Cody Canal Rehabilitation Project, which replaced the Sulphur Creek Siphon and Spillway and the Diamond Creek Flume, was completed in 2011. The Cody Canal Chute Project and the Cody Canal Drop Structure Project were both constructed prior to the 2012 irrigation season. The Cody Canal Rehabilitation 2013 Project was constructed prior to the 2014 irrigation season and closed out in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

39. PROJECT: Cokeville Tri-Diversion Rehabilitation

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	9	1995	II	$ 50,000	1996
Level III	59	1996	II	$160,000	1998
Level II	74	2014	II	$100,000	2016

PROJECT INFORMATION:
The Tri-diversion 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. 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 study to obtain plans for engineering designs and construction cost estimates for the diversion. The District hopes to use these designs to repair the structure due to the poor condition and inefficiency of the existing diversion. Two of the three canals (Spring Creek and Middle Channel) receiving water from the diversion flow through the Town of Cokeville. The final report is expected in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

40. PROJECT: Cottonwood/Grass Creek Storage

LEVEL: II
SPONSOR: Cottonwood/Grass Creek Watershed Improvement District
LOCATION: Hot Springs County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	2014

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 feasibility study to further define storage opportunities and to conduct a more robust hydrologic analysis to 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 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, 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. Data is being analyzed and the Level II, Phase II study is nearing completion.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

41. PROJECT: Cottonwood Lake Enlargement

LEVEL: III
SPONSOR: Cottonwood Irrigation District
LOCATION: Lincoln County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	III	$ 100,000	2006
Level II	85	2007	III	$ 80,000	2009
Level II	32	2010	III	$ 274,990	2013
Level III	141	2013	III	$3,700,000	2020

PROJECT INFORMATION:
Cottonwood Lake is a natural lake on Cottonwood Creek located near Smoot, Wyoming, and was the source of irrigation water, approximately several hundred acre-feet per year, for the Cottonwood Irrigation District (CID). There was once a control structure on the lake, but it is no longer functional and has not been used for many years.

The Level II, Phase I study reviewed Cottonwood Creek hydrology; the potential for storage; irrigation water demands; geotechnical considerations; and wetlands, environmental and permitting issues. The study also looked at a number of alternatives to provide supplemental water to irrigators in the CID. In 2006, the report concluded that restoring the dam, at the existing Cottonwood Lake, to the original elevation was the most economical alternative for providing needed storage to the CID.

During the 2007 General Session, funds were appropriated to continue the Level II study. Project economics and funding mechanisms were examined, updated designs and cost estimates were prepared, permitting and mitigation were considered, and a geotechnical field exploration plan was laid out. The Legislature appropriated additional funds during the 2010 Budget Session to conduct the geotechnical investigation and a drilling program. The information gathered through the investigation allowed the project to be refined and determined the project to be technically feasible.

In the fall of 2012 CID requested funding to re-construct the Cottonwood Lake Dam to a capacity of approximately 230 acre-feet. During the 2013 General Session, the Legislature approved $3,700,000 to rehabilitate the reservoir with a 67% grant, 33% loan, 4% interest for 50 years. Since that time, the sponsor has been considering its construction funding options.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

42. **PROJECT:** **Cowley Master Plan**
LEVEL: I
SPONSOR: Town of Cowley
LOCATION: Town of Cowley, Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	75	2008	I	$1,366,800	2018
Level III	141	2013	I	$ 554,023	2018

PROJECT INFORMATION:
The Town of Cowley receives its drinking water supply from an artesian well located about 5 miles north of town. A 12-inch transmission line conveys the water to a control building located in town. From the control building, a 6-inch line conveys the water to the town's 200,000 gallon elevated steel storage tank. Along with the distribution system, the town maintains the well, transmission line, control building, and storage tank. Water consumers on the system consists primarily of residential users. Largest users include the town itself (for irrigation), schools, and churches. The water service area includes areas outside of the town's planning boundary. Cowley also provides backup water service to the nearby Town of Deaver. The town has a separate raw water system used for irrigation that is gravity-fed from the Sidon Canal which is sourced from the Shoshone River. This irrigation water is delivered through town in a piped system. The town's working knowledge of its distribution system is based off as-built paper plans that have questionable accuracy. Computerized GIS or CAD mapping does not exist.

The Town of Cowley does not have a formal plan in place for its water distribution system. The town is in need of GIS mapping and an assessment of its water distribution system along with a prioritization of system improvements and a long-term plan. This master plan will provide the town with the tools and guidance needed to assist in planning, rehabilitation, upgrading, and management of their system and provide the town with a cohesive focus by outlining water system development goals and objectives. Also, given that the population of Cowley is increasing, the plan will indirectly help the town to identify suitable areas for commercial or housing developments, farming, open spaces, recreational areas, and environmental resources.

This Level I study would primarily accomplish the following: inventory, map, and evaluate the existing water system infrastructure; prepare a hydraulic model to simulate and assess system adequacy, operations, demands, and fire flows; identify, prioritize, and prepare conceptual-level designs and cost estimates for needed capital improvement projects; and, complete a rate study and prepare a financial plan for system improvements.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level I status with an appropriation of $135,000.

43. **PROJECT:** **Cowley Transmission Pipeline**
LEVEL: III
SPONSOR: Town of Cowley
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	75	2008	I	$1,366,800*	2018
Level III	141	2013	I	$ 554,023*	2018

*67% grant

PROJECT INFORMATION:
This project consists of replacing an existing 8-inch asbestos cement water transmission line with a new 10-inch PVC C-900 class water line. The 8-inch line is over 40 years old and recent repairs show significant longitudinal stress fractures. This transmission line runs in the corridor from the Town of Cowley to the Town of Deaver. In addition, two existing 4-inch PVC water transmission lines will be replaced with one continuous 6-inch PVC C-900 class water line. Replacement of the two 4-inch water lines will provide one continuous 6-inch water line loop in the system. These water lines serve 50 rural water users. Rehabilitating this system will require installing 32,000 feet of 10-inch water line and 24,000 feet of 6-inch line. The project serves 64 taps and could serve as an emergency supply to the Town of Cowley.

The Sponsor's engineer completed the design of the project and secured all necessary easements for the project in 2011. In 2012, the project went to bid and project bids came in over budget. It was determined to eliminate some project components (control building and pipeline reduction) and award the project. Construction of 30,000 feet of 10-inch transmission pipeline has been installed and completed.

In 2013, the town secured additional funding to complete the project as originally intended. The Town received grant funding of $554,023 for the remaining WWDC eligible costs. The sponsor is responsible for the remaining project costs. This additional funding will complete the remaining project components of 3,700 feet of 10-inch transmission main and a control building. The remaining project components were bid in-late 2013 and construction started in-early 2014. Project construction took place during 2014. The project reached substantial completion in-late 2014 and is in final closeout. The project will be completed and closed out in 2015.

ECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

44. PROJECT: Deaver Irrigation District Master Plan Update

LEVEL: New Application (Level I)
SPONSOR: Deaver Irrigation District
LOCATION: Park and Bighorn Counties
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$100,000	2002
Level III	69	2003	II	$ 46,500	2008
Level III	147	2005	II	$163,500	2008
Level III	121	2007	II	$461,000	2012
Level III	38	2009	II	$673,000	2014
Level III	63	2011	II	$350,000	2015

PROJECT INFORMATION:
The last system assessment completed for the Deaver Irrigation District was finished in 2002. Since then the district has completed several of the recommended projects and converted several ditches into pipe. The district has made good progress on the goals outlined in the last master plan, but they still have several structures that are original to the canal that are in need of replacement. This master plan will provide a prioritized list of structures that are in need of work, cost estimates for the district to use going forward, an updated GIS to reflect the changes to the system, recommendations of additional areas where open ditches should be put in pipe, and an analysis of the potential for SCADA within their system.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be funded as a Level I study in the Rehabilitation Program for the amount of $162,000.

45. PROJECT: Deaver (Town of) Master Plan

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$125,000	2015

PROJECT INFORMATION:
The Town of Deaver receives its treated drinking water supply from the Shoshone Municipal Pipeline (SMP). A Service Connection Building located about 3.5 miles northwest of town houses the connection from SMP's main transmission line to the town's 6-inch transmission line that conveys the treated water to the town. The town's system includes a 350,000 gallon buried concrete water storage tank that is located near the SMP Service Connection Building. SMP maintains this tank. Primary water consumers on the town's system include residential users and a church. The town also provides backup water service to the nearby Town of Cowley where the schools are located. The town has a separate raw water system used for irrigation that is gravity-fed from Deaver Reservoir. Since a formal inventory has never been performed, the exact location, sizes, and conditions of pipes, valves, and other system components are unknown.

The Town of Deaver does not have a formal plan in place for its water distribution system, nor does it have accurate location mapping of system components. When completed, this study will have accomplished the following in the form of a master plan: inventory, map, and evaluate the existing water system; prepare a hydraulic model to simulate and assess system operations and fire flows; identify, prioritize, and prepare conceptual-level designs and cost estimates for needed capital improvement projects; and, complete a rate study and prepare a financial plan for system improvements. This master plan will provide the town with the tools and guidance needed to assist in planning, rehabilitation, upgrading, and management of their system. It will also identify system needs and a plan to accommodate future growth. The majority of work thus far on the project involved system mapping, development of the hydraulic model and fire flow studies, and assessments of system operations. This project is on schedule and on budget with a completion scheduled for mid-2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

46. PROJECT: Deaver Rehabilitation 2009

LEVEL: III
SPONSOR: Deaver Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$100,000	2002
Level III	38	2009	II	$673,000*	2015
Level III	63	2011	II	$350,000*	2015

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

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 has authorization to replace open ditches with pipe on laterals 158F and D56-1 extended, as well as replace ten farm turnout headgate assemblies. The project funds from WWDC are being used to purchase materials and the sponsor is funding the engineering, land rights, and permits, and is providing labor, equipment, and other resources necessary for construction of the project. The sponsor has completed construction of Lateral D56-1, 196F, D56-64, 189F, and D113. During the winter of 2014-2015 the sponsor is constructing Lateral 196F Phase II. This project should be completed in 2017.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends extending the project funding reversion date from July 1, 2015 to July 1, 2017.

47. PROJECT: Douglas Box Elder Spring – Phase 1

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$ 200,000	2010
Level III	63	2011	I	$1,487,400*	2016

*67% grant

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.

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 New Development project with an appropriation of $1,487,400 (67% grant). The City will be using their general funds or water funds for the remaining 33% of project costs. The appropriation is for the design of the entire project and funds to construct the spring house. The City of Douglas has secured the services of an engineer and has initiated the design process. At this time the City is dealing with land easement issues and the project has been on delay since the spring of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

48. **PROJECT:** **Dry Creek Irrigation District Master Plan**
LEVEL: New Application (Level II)
SPONSOR: Dry Creek Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Dry Creek Irrigation District is located in Star Valley just south of Afton, Wyoming. The District encompasses some 3,500 acres and has direct flow rights out of Dry Creek, a tributary of the Salt River. There are 220 landowners served by the system. The District is currently experiencing increasing failures of the steel pipe that has been in the ground for more than 40 years. A significant amount of water is being lost and days of water being off are increasing.

The Dry Creek Irrigation District is requesting funding for a Level II Study to inventory and assess the system, investigate conveyance losses, and make recommendations relative to the prioritization of pipe sections to be replaced, along with other system upgrades as needed. Additionally, since the pipeline system encounters more than a 1,500' drop in elevation over its length, the feasibility of hydropower generation should be investigated. Cost estimates should be produced to include both a total and phased approach to construction and replacement according to a recommended rehabilitation schedule.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated at Level II status into the Rehabilitation program with an appropriation of $150,000.

49. **PROJECT:** **Dull Knife Reservoir Spillway Rehabilitation**
LEVEL: New Application (Level III)
SPONSOR: Dull Knife Irrigation District
LOCATION: Johnson County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:
None

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III funding with an appropriation of $1,715,000. The financing plan includes a 35% grant to be used for construction activities only. The sponsor will be responsible for obtaining the remaining 65% funding.

50. 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 Legislation:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$275,000	2014
Level III	10	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 is feasible as a 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 7½hp to twin 15 hp pumps to better serve existing and future demands. Both aspects will address impact demands foreseen with development of the Shoshone Rose casino complex, a commercial enterprise located within Boulder Flats on the WRIR along US HWY 287. The Project Agreements are complete and the project design has started.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

51. PROJECT: Eden Valley (Farson) Master Plan

LEVEL: II
SPONSOR: Eden Valley Improvement District
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	1	2011	I	$120,000	2013
Level II	66	2013	I	$ 90,000	2015

PROJECT INFORMATION:
The Level I was completed in 2013 and recommended a Level II study be pursued to further evaluate the potential for a water system in the area. In the Level I there were three water supply alternatives developed. The Level II is focused on determining the potential users and their location to finalize a single alternative. During this study, the community is in the process of having a new school built. As part of the school's construction, it is anticipated that there will be a need for an

elevated tank. This tank could potentially serve a dual purpose; for the school's water supply/fire suppression, and a community water supply. The project is temporarily on hold until the school makes a final decision on the type, and amount of storage, necessary for the school project. From this decision, the Consultant will add the tank to the hydraulic model and use it in the final analysis to see if it can serve the community system.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

52. PROJECT: Eden Valley Farson Lateral Rehabilitation - Phase I

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	147	2005	II	$1,508,000*	2010
Level III	38	2009	II	$6,580,000*	2014
Level III	63	2011	II	$1,713,000*	2016
Level III	141	2013	II	$ 233,500*	2018

*50% grant

PROJECT INFORMATION:
The proposed project would consist 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. The SCADA system will be expanded to monitor and control water flows at the turnouts. This type of improvement is intended to 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**.**

The District's funding request is for the engineering design, permits, NEPA requirements and cultural resources evaluations of the proposed project. Total construction costs of the project are estimated at $4,732,000.

The WWDC recommended this project be advanced in the Level III status in the Rehabilitation Program with 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. In 2013, the SCP retracted project funding due to federal budget sequestration.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending an additional appropriation of $2,132,500 for construction. It is anticipated these funds will be matched by the Salinity Control Program.

53. PROJECT: Eden Valley Rehabilitation 2009

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	147	2005	II	$1,508,000*	2010
Level III	38	2009	II	$6,580,000*	2014
Level III	63	2011	II	$1,713,000*	2016
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

PROJECT INFORMATION:
In 2005, 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.

During 2011, EVIDD secured additional funding for Phase IV. WWDC funded $1,713,000, and SCP would provide a 50% match. This project includes lining of approximately 6,680 lineal feet of the Eden canal with 30-mil 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) a distance of approximately 20,000 lineal feet with HDPE pipe. The project was completed in November 2011.

During 2012, the WWDC recommended this project be advanced in the Level III status in the Rehabilitation Program with an additional appropriation of $1,327,000. 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, and will likely conclude in 2015 after irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

54. **PROJECT:** **Ethete Water Supply**
LEVEL: III
SPONSOR: Northern Arapaho Tribal Business Council
LOCATION: Fremont County, Wind River Indian Reservation
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	I	$ 700,000	2006
Level II	99	2006	I	$ 605,000	2009
Level II	33	2008	I	$ 685,000	2010
Level III	66	2010	I	$2,000,000*	2015

*50% grant, 50% sponsor

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. The sponsor has been seeking federal funding for its share of the project budget. The sponsor has continued to be unable to secure matching funds for the project and the project has not been able to move forward.

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. Rural Development and the Northern Arapaho will continue to work to obtain the remaining funding for this project. The project is still working to receive matching funds and the Sponsor is requesting a three year time extension.

RECOMMENDED LEGISLATIVE ACTION:
A three year time extension has been requested by the Sponsor.

55. PROJECT: Evansville Emergency Connection

LEVEL: III
SPONSOR: Town of Evansville
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$150,000	2010
Level II	32	2010	I	$100,000*	2013
Level III	141	2013	I	$141,370**	2018

*Funds reverted at the request of the Town of Evansville
** 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 2nd 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 includes a 67% grant for eligible components. The Sponsor is responsible for the remaining 33% and all non-eligible project components.

The Engineer and the Town have selected an option to connect to the Casper water supply using the fire protection loop at the adjacent Home Depot. This requires the City of Casper to take

ownership of the fire loop and currently the City and Home Depot are in negotiations to transfer ownership of the line to the City. The project will likely be completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

56. PROJECT: Fayette Irrigation Rehabilitation

LEVEL: III
SPONSOR: Fayette Irrigation District
LOCATION: Sublette County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	81	1999	II	$ 75,000	2000
Level III	96	2000	II	$ 98,500	2004
Level III	88	2002	II	$ 75,000*	2010
Level III	105	2006	II	$160,000**	2010
Level III	14	2012	II	$180,000**	2017

* 50% grant, 50% loan
** 67% grant, 33% loan

PROJECT INFORMATION:
The Fayette Irrigation District wanted to rehabilitate a major conveyance ditch known as the West Lateral. This portion of the system served 403 acres or roughly 19% of the total adjudicated acres in the district. A Level II study was completed in 1999. The study conducted an inventory of the system, identified needed rehabilitation and improvements, examined the potential for an improved water supply, and prepared conceptual designs and cost estimates for those items.

The 2000 session of the legislature authorized a Level III project loan of $98,500 for a period of 20 years at 7.25% interest. The Sponsor decided not to pursue the project due to financial constraints. In 2002, the sponsor requested rehabilitating a smaller portion of the conveyance system along with a revised financial plan.

An engineer was hired and design work undertaken. Easements for the old ditch had never been recorded and much time was spent describing and securing the easements. Meanwhile, inflation rendered previous cost estimates and secured funding inadequate. The sponsor requested and received additional WWDC funds to cover inflationary costs in order to make repairs to their existing headgate.

In 2006, the Sponsor elected to proceed with some of the ditch repairs on their own. The remaining elements of the originally identified project scope consisted of the rehabilitation and repair of a major diversion and drop structures. Before proceeding with these improvements, easements and right-of way needed to be obtained from the adjacent landowners. In 2007, an attorney worked with the Sponsor to procure the easements and resolve ongoing litigation, and matters were satisfactorily resolved in 2009. A portion of the project scope (headgate and West Lateral rehabilitation) was constructed during the 2009-2010 off-irrigation season. Remaining WWDC funding was inadequate to complete the remaining scope of the project which involves the reconstruction and re-grading of a portion of the Middle Diversion canal including with headgate

reconstruction, two drop structures, new canal construction and rehabilitation of severe erosion in the existing West Lateral canal area named the "Grand Canyon".

In September 2012, the Sponsor received an additional WWDC appropriation in the amount of $180,000 to complete the remaining scope of work on the Middle Diversion canal including re-grading a section of canal experiencing erosion. During 2012, project agreements and documents were executed, and a design engineer was selected. The Engineer encountered permitting and easement issues during 2013 and 2014. Construction is anticipated to be completed in late 2015 after the irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

57. **PROJECT:** **Fontenelle Pipeline**
LEVEL: NA
SPONSOR: State of Wyoming
LOCATION: Green River Basin
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
A land owner in the Green River Basin has suggested the State of Wyoming conduct a study that evaluates the potential use of water below Fontenelle Reservoir. The users include agriculture, industry, and municipal. The project has gone through an analysis for gravity flow out of the reservoir serving all the aforementioned users and determined transmission pipeline sizes and approximate costs. This work is not expected to meet Level I requirements but to help the users and Commission determine if a Level I study is warranted. The progress was presented to the Commission and Select Water Committee at the August 2014 meeting. Currently, office staff is preparing a summary of the work performed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

58. **PROJECT:** **Fort Laramie Storage Tank**
LEVEL: Level III
SPONSOR: Town of Fort Laramie
LOCATION: Goshen County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	85	2007	II	$ 100,000	2008
Level III	14	2012	I	$ 53,600	2017
Level III	141	2013	I	$1,085,500	2018

PROJECT DESCRIPTION:
The Town of Fort Laramie, located in Goshen County approximately 20 miles west of Torrington, requested a review in 2006 of their water supply system and a rehabilitation plan for system upgrades. These system upgrades included a review of their existing supply, storage and

transmission lines for rehabilitation and expansion. The Town currently utilizes two wells that were constructed nearly 50 years ago, and reportedly are in good condition. They provide approximately 800-gpm, which is an adequate supply for the foreseeable future.

During 2008, the modeling of the Town's water system could not be completed due to operation, maintenance, and management issues. Because of these issues, the Town was unable to provide accurate water production and use data for analysis. The Town has since resolved these issues and is proceeding with their request to build a new elevated storage tank on Town property. Their current tank does not meet DEQ storage capacity and disinfection requirements. They also plan to replace their aging distribution system in the coming years.

The project has been phased. Phase I of the project includes the design, permitting, and land acquisition for the project. The design was completed in 2012 along with the permitting. The sponsor intends to place the tank on town property. The project bid in early 2014 and should be completed in 2015.

The bids came in over budget and as a result the Town made up the difference with an SRF loan. Construction is currently proceeding.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

59. PROJECT: Gillette Madison Pipeline Joint Bonding

LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	147	2005	II	$ 1,225,000*	2014
Level III	105	2006	II	$ 1,675,000**	2014
Level III	38	2009	II	$ 2,177,500**	2014

* 50% grant, ** 67% grant

PROJECT INFORMATION:
The City of Gillette's primary water supply is from the Madison Well Field located approximately 12-miles north of Moorcroft. In the early 80's, a 30-inch steel pipeline was constructed to convey water from the well field to the City of Gillette. During construction of the pipeline, the contractor installed electrical jumper wires across the joints and placed mortar on the interior joints. The jumper wires provide electrical continuity for cathodic protection and the grout provided protection to the bare metal. Over the years, the joint bond wires have failed at the welds resulting in the loss of the electrical continuity and subsequent external corrosion along segments of the pipeline. In addition, the mortar has spalled from the interior joints exposing bare metal to corrosion. To address the pipeline cathodic protection issues, the City of Gillette divided the project into three phases.

Phase I reestablished the pipeline electrical continuity by replacing the external electrical joint bonds. Phase I was completed in the fall of 2008. Following completion of Phase I and under Phase II, the city conducted an internal pilot study on approximately 4.7 miles of the transmission

pipeline. The pilot study was conducted to: 1) assess the condition of the internal pipeline mortar system and perform repairs, 2) provide production rates used to estimate the number of repairs, time and costs to repair the remainder of the pipeline, and 3) establish system shut down and start up procedures. The remainder of Phase II addressed rehabilitating the pipeline mortar lining and completing the joint bonding not completed under Phase I. Phase II also consisted of installing manways to provide access into the pipeline. Phase II was completed in the summer of 2011.

Phase III of the project involves designing and constructing cathodic deep anode beds to provide cathodic protection to the pipeline. The City has hired an engineering consultant for the Phase III design. The project is designed and the city has secured the necessary easements. The city expects the project to go to construction in 2015.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends extending the Project Agreement reversion date from July 1, 2015 to July 1, 2016.

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

EXISTING LEGISLATION:

Session	Chapter	Grant (67%) Appropriation	Account	Loan (33%) Appropriation	Account	Total
2009	103	$ 11,222,500	Budget Reserve	$ 5,527,500	Permanent Trust	$ 16,750,000
2010	115	$ 16,415,000	Water Development III	$ 8,085,000	Permanent Trust	$ 24,500,000
2011	61	$ 6,960,430	General Fund			
		$ 25,402,070	Abandoned Mine Land Funds (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*		$ 30,000000
2014	26	$ 13,385,995	AML Strategic	$0*		
	26	$ 12,406,005	Investments and Projects Account	$0*		$25,792,000
TOTAL						$190,328,358

*33% funding from the Campbell County Capital Facilities Tax

PROJECT INFORMATION:
The major components of the Gillette Madison Water Supply consist of the following:
1. Approximately 50 miles of transmission pipeline ranging in size from 36-inch to 42-inch diameter
2. New power transmission 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 capable of:
   a. Serving the design year 2040 population of 57,562 for the Gillette Regional Area
   b. Providing an additional 16,000-gpm (23 MGD) to the Gillette Regional Area.
5. New Madison Formation Well Field
   a. Initially five (5) new wells capable of producing 1,400-gpm per well
   b. 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 from over 40 recognized water districts and subdivisions not currently receiving city water

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. The city bid the Donkey Creek pump station and the Pine Ridge disinfection facility. Design of the 18-inchblending pipeline and remaining water transmission pipeline between Moorcroft and Pine Ridge is nearly complete with design of the power transmission upgrades ongoing.

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 Gillette. It is estimated that it will cost $60 million to extend water service to regional customers.

City of Gillette and Campbell County Elected Officials have developed 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 regional water rates.

RECOMMENDED LEGISLATIVE ACTION:
None. However, the WWDC will be extending the Project Agreement reversion date from July 1, 2015 to July 1, 2017.

61. PROJECT: Gillette Regional Connections

LEVEL:	II
SPONSOR:	City of Gillette on behalf of the rural districts
LOCATION:	Campbell County
PROGRAM:	New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	88	2008	I	$350,000	2011
Level II	57	2012	I	$500,000	2013

PROJECT INFORMATION:
The 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 main frame 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 main frame 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 2012 request proposed to complete feasibility studies for the following water districts interested in acquiring water from the Gillette Regional Water Supply Project. These studies identified improvements needed by each district to connect to the regional water system.

1. Antelope Valley requested a review of their existing system and its deficiencies. They specifically requested an analysis of the potential for additional storage at an elevation sufficient to serve Pinnacle Heights and provide additional backup supply. They also expressed an interest in connecting to the regional system for their supplemental water needs. The Level II study was completed in 2011. Level III funding was requested and received from the 2012 Legislature for the eligible improvements recommended by the Level II Study. Please refer to the Antelope Valley Regional Connection for more information.

2. Bennor Estates ISD received an administrative order from the EPA for Radionuclides Maximum Contaminant Level Exceedance. As a result they need to find a water supply that is within EPA drinking water standards. The sponsor requested an analysis of their system for a connection to the Gillette Regional Pipeline. The Level II portion of this project was completed in February of 2013.

The Level II study recommended a connection to the Gillette Regional System for all their water needs as it was cheaper than blending water from their existing well with water from the regional system. The Regional Extension required to serve water to Bennor Estates has moved forward for Level III funding. Please see the Gillette Regional Extensions Project for more information.

3. Freedom Hills requested a Master Plan to evaluate their existing system, identify its deficiencies, and prepare a long range plan for system improvements. Freedom Hills also expressed an interest in joining the Gillette Regional System. It is their intention to use the water from the regional system to blend with their current well water to help manage fluoride levels. This project was completed in the fall of 2013.

4. Peoples ISD would like to connect to the Gillette Regional Water System for a backup water supply. More information was needed on their existing system and the cost to connect. This report was completed in October of 2012. The Level II study recommended that they connect to the Regional System for a backup supply.

5. South Fork Estates ISD has a well that is 25 years old. As a result the district would like to connect to the Gillette Regional System for a backup supply in case their current well fails. To facilitate the request more information was needed on the condition of the system, the type of connection required, and the costs. This study was completed on time in the fall of 2013.

<u>RECOMMENDED LEGISLATIVE ACTION</u>:
No legislative action required at this time.

62. **PROJECT:** **Gillette Regional Extensions**
LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: Special Legislation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	88	2008	I	$ 350,000	2011
Level III	14	2012	I	$ 703,500*	2017
Level III	141	2013	I	$5,494,000*	2018
Level III	100	2014	I	$ 234,500*	2018

*67% grant only
2013 appropriation increase to 2012 appropriation

PROJECT INFORMATION:
The 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.

Ultimately, twenty-three (23) extensions may be required at a total cost of $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 Phase I funding for the project. The Phase I appropriation included a budget for the project design, permitting and land acquisition. The project is designed and the City is securing the final easements for the project. The project is expected to go to bid in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

63. PROJECT: Glenrock Transmission Pipeline

LEVEL: III
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$150,000	2010
Level III	100	2014	I	$381,900	2019

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 project was identified in the Glenrock Master Plan Level I study for the T15 transmission line. 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 Rehabilitation project with an appropriation of $381,900 (67% grant). The Town has secured the services of Engineer and has initiated the design and easement documentation/acquisition process for the project.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required

64. PROJECT: Goshen Irrigation District-Guernsey Spillway Rehabilitation

LEVEL: New Application (Level III)
SPONSOR: Goshen Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

None

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.

The project is currently nearing design completion and is set to be constructed in 2015. WWDC is recommending a 67% grant for GID's portion of the eligible costs for a total of $449,570. The 33% matching funds are to be a loan from the Bureau of Reclamation. The District will make one payment at the end of the project.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending the project be advanced into the Rehabilitation program at Level III status with a grant only appropriation of $449,570.

65. PROJECT: Goshen Irrigation District Rehabilitation 2013

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$ 225,000	2008
Level III	38	2009	II	$1,200,000*	2014
Level III	63	2011	II	$1,100,000*	2016
Level III	141	2013	II	$1,400,000*	2018

*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 is anticipated to begin in-late 2014 and be completed before the 2015 irrigation season. The District will pursue and evaluate its remaining projects during the 2015-2016 design and construction season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

66. PROJECT: Green River/Rock Springs/Sweetwater County Joint Powers Water Board Pipeline Feasibility Study

LEVEL: II
SPONSOR: Green River-Rock Springs-Sweetwater County Joint Powers Water Board
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

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

* 50.5% Grant

PROJECT INFORMATION:
The GR-RS-SC JPWB is seeking WWDC-funding for a Level II Feasibility Study. The focus of the study will be the replacement of the existing 20-inch asbestos-cement transmission line between the eastern edge of the City of Green River and the western edge of the City of Rock Springs (approximately 5 miles in length). Additionally, the scope of the study will need to include a section of parallel transmission line from the Sweetwater Creek crossing to Blairtown Tanks (slightly over 1 mile). The need for these improvements is defined in Task 6 of the 2009 WWDC Water System Master Plan (Level I, Phase II). This Level II study will prepare and develop Level III cost estimates.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be funded as a Level II Feasibility Study with an appropriation of $125,000.

67. PROJECT: Greybull Tank & Master Plan

LEVEL: Level I
SPONSOR: Town of Greybull
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	8	1995	I	$ 75,000	Complete
Level II	15	1996	I	$ 400,000	Complete
Level II	46	1997	I	$ 55,000	Complete
Level II	7	2002	I	$ 50,000	Complete
Level II	34	2004	II	$ 475,000	Complete
Level III	59	1996	II	$ 355,000	Complete
Level III	38,16	1998,1999	I	$ 517,000	Complete
Level III	96	2000	I	$1,850,000	Complete
Level III	69	2003	II	$ 240,000	Complete
Level III	75	2008	II	$1,470,000	Complete
Level I	74	2014	I	$ 200,000	2015

PROJECT INFORMATION:
Greybull is undertaking a WWDC Master Plan to include GIS mapping and comprehensive hydraulic modeling of source supply, transmission, storage, and distribution pipelines. The Town and Big Horn County are also contemplating the transfer of a 650,000 gallon storage tank, located at the airport, to the Town's control and use. With recent transmission and storage upgrades, and replacement of 24 blocks of distribution mains installed in 2014, the Town is timed right for a WWDC water system master plan. The County tank is relatively new, constructed in 2007 for fire suppression at the airport but could serve that function as well as be a useful storage location for Greybull. The tank could also serve as future replacement storage for the Town's aging (50+ yrs.) 1 million gallon East Tank.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

68. PROJECT: Greybull Valley Hydropower

LEVEL: II
SPONSOR: Greybull Valley Irrigation District
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	I	$85,000	2014

PROJECT INFORMATION:
The district has been interested in hydropower for many years. The discharge/water source that would drive the power production is relatively consistent and the sale of the power could potentially pay for the increasing operation and maintenance costs the district experiences.

The project was completed in 2014, and determined the feasibility and cost of placing hydropower generators on the Upper Sunshine and Greybull Valley (Roach Gulch) reservoirs. The final recommendations are to pursue hydropower at Roach Gulch. However, the price the power company will pay for the power makes building a project difficult for the sponsor. Hydropower feasibility studies must be completed by the WWDC in order for the project to qualify for loans from the State Land and Investment Board.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

69. PROJECT: Greybull Valley Irrigation District Storage Enlargement

LEVEL: New Application (Level II)
SPONSOR: Greybull Valley Irrigation District
LOCATION: Park and Bighorn Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	28	1994	I	$ 3,000,000	2000
Level III	59	1996	I	$37,000,000	2000
Level II	7	2002	I	$ 60,000	2004
Level III	88	2002/2005	I	-$ 7,942,542	2010
Level II	85	2007	II	$ 100,000	2008
Level III	121	2007	I	$ 476,000	2014
Level II	33	2008	II	$ 100,000	2008
Level II	33	2008	II	$ 150,000	2010
Level III	38	2009	II	$ 300,000	2014
Level III	63	2011	II	$ 3,600,000	2015
Level II	57	2012	I	$ 85,000	2014
Level III	14	2012	I	-$ 326,000	2014

PROJECT INFORMATION:
The Greybull Valley Irrigation District (District), located in Park and Bighorn Counties along the Greybull and Wood Rivers, has interest in exploring the possibility of increasing storage capacity to provide additional late season 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 late season irrigation supply within the District. Several sites, including enlargements of both Upper and Lower Sunshine Reservoirs, were considered during this study with Roach Gulch Reservoir ultimately being constructed in the early 2000's. An updated hydrologic model would reveal where shortages may exist and where increased storage capacity may prove most beneficial. In addition, a target of additional storage capacity of less than the 30,000 acre-foot mark from the previous study, may render previously studied sites as more feasible.

The most recent hydrologic model completed for this area was in the 2010 Wind-Bighorn Basin Plan Update (Update). The Update utilized a spreadsheet model and revealed water shortages within the area of the District. The Update also identified water in the Greybull River drainage that, during certain times of the year, was available for further appropriation. A more robust StateMOD model would be utilized for this project to corroborate and expand on the efforts of the Update.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $300,000, from the Dams and Reservoirs Program, to complete a Level II, Phase I Storage Feasibility Study.

70. PROJECT: Groundwater Studies

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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.

CURRENT SPONSOR & ACTIVE/OBLIGATED FUNDS
Town of Guernsey (Municipal PWS well): $93,750.00

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

71. PROJECT: GR-RS-SC Raw Water Reservoir

LEVEL: III
SPONSOR: GR-RS-SC Joint Powers Water Board
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION

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

*50.5% Grant

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).

The 2011 Legislature appropriated $900,000 (67% grant and 33% Loan) for eligible design and permitting costs of the raw water reservoir. The appropriation was 75% of the total design/permitting since 25% of the proposed project is considered to be "treatment" and ineligible under the WWDC program. The 2012 Legislature appropriated an additional $7,382,000 raising the total funding to $8,282,000 (50.5% grant) for design, permitting and construction costs of the raw water reservoir. The matching 49.5% funding has been procured from the Wyoming Drinking Water State Revolving Loan Program with 25% of that amount being "principal forgiveness".

Design and permitting are in the final stages with the anticipated construction starting in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

72. PROJECT: Hanna Water System

LEVEL: II
SPONSOR: Town of Hanna
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	1	2011	I	$125,000	2013
Level II	66	2013	I	$100,000	2015

PROJECT INFORMATION:
In 2011 the Town of Hanna requested a master plan to inventory their system, identify current and future needs, provide recommendations for upgrading the system, and help develop financial strategies for funding, upgrading, and managing the system. The level I recommended a level II study to further analyze several transmission lines in the system. The final report was submitted in

December 2014, for a final approval for content. The final product is expected to be received by the Office in January 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

73. PROJECT: Heart Mountain Canal Rehabilitation

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	2014
Level II	--	2015	II	$ 110,000	2015

*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 (ongoing). 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 would involve geotechnical explorations, engineering assessments, design, and cost estimates to more definitively identify rehabilitation or replacement solutions. The primary objective of this study would be to conduct geotechnical explorations into underground conditions along the canal. Ground penetrating radar, drilling, and any other forms of investigation deemed necessary would be utilized.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level II status with an appropriation of $110,000.

74. PROJECT: Heart Mountain Irrigation District Master Plan

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	2015

*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:
Heart Mountain Irrigation District (HMID) conveys irrigation water to 33,600 acres. About 140 miles of distribution laterals and 145 miles of open and closed drains 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 HMID. The district requested a master plan consisting of an irrigation system assessment to proactively identify and prioritize necessary improvements and an update to its GIS program.

HMID does not possess a formal master plan. Previous studies were limited to an evaluation of a few specific irrigation structures and only provided the district with a rudimentary GIS product. Engineering assessments of all system components were not completed, nor were a prioritization of recommended improvements and cost estimates. As it currently stands, the district's GIS is limited in terms of functionality, especially with regards to updating information on the stored data, incorporation of photographs for reference, and inclusion of structure assessments and a prioritization matrix. HMID has also been advancing the use of SCADA within its system but has no formal plan in place for integration and placement.

The primary objectives of this master plan are to furnish HMID with a prioritized list of improvements; assess integration of future use of SCADA; and expand its GIS coverage and functionality. Additionally, this master plan will evaluate system operations. Water rights will be reviewed and compiled into the district's GIS along with easements and rights of way. The majority of work thus far on the project involved SCADA recommendations, completion of GIS field mapping of the main canal and laterals, and developing a prioritized list of needed improvements. During 2014 and due to managerial changes at the district, this project has been delayed approximately four months. However, the project is now back on schedule and on budget with a completion scheduled for spring of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

75. PROJECT: Heart Mountain Rehabilitation 2010

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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 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:
The WWDC has systematically provided funding to the Heart Mountain Irrigation District to complete the rehabilitation projects identified in the 2007 Level II study. The Heart Mountain Rehabilitation 2010 Project was initially authorized in 2010 with additional funding and work authorized in 2012 and 2014. The sponsor has completed the pipeline work on Laterals H24, H55, H79-5, and the Lower Ralston Lateral. 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 the 2013-2014 winter, as well as the 2014-2015 winter, the sponsor is replacing open ditch on Lateral H57 with a buried pipeline. During the same time frame the sponsor is installing a system wide SCADA system.

The remaining construction under this project is to replace the concrete ditch on Lateral R15 with a pipeline, which will likely be constructed after the 2015 irrigation season.

Funding from WWDC for this project is being used to purchase materials 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

76. PROJECT: High Meadow Ranch Level II

LEVEL: Level I
SPONSOR: High Meadow Ranch Water District
LOCATION: Sublette County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$175,000	2015

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 approximately 782 residents (274 taps). Their water is supplied from three wells with estimated depths in the range of 900 – 2,750 feet. 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 recently completed 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 first step of the master planning process was to complete pump tests on the districts wells. The results showed that the district's supply is inadequate to meet their needs. They are currently relying on one well to meet most of their water supply needs. The Level I study also considered a regional connection with Pinedale. This option was determined to be cost prohibitive. To alleviate their water supply problems and provide redundancy to the system the district has applied for Level II funding to drill a new well as recommended by the master plan.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be funded as a Level II study in the New Development program for the amount of $500,000.

77. PROJECT: Hill Irrigation District-Guernsey Spillway Rehabilitation

LEVEL: New Application (Level III)
SPONSOR: Hill Irrigation District
LOCATION: Goshen County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:
None

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.

The project is currently nearing design completion and is set to be constructed in 2015. WWDC is recommending a 67% grant for HID's portion of the eligible costs for a total of $36,850. The 33% matching funds are to be a loan from the Bureau of Reclamation. The District will make one payment at the end of the project.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending the project be advanced into the Rehabilitation program at Level III status with a grant only appropriation of $36,850.

78. PROJECT: Indian Paintbrush Water Supply

LEVEL II
SPONSOR Indian Paintbrush Water District
LOCATION Teton County
PROGRAM New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	I	$375,000	2014
Level II	74	2014	I	$200,000	2014

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 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 includes 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 district therefore wishes to advance with connection of the Level II well and other improvements recommended in the study.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends the project be advanced in the New Development Program to Level III status with an appropriation of $616,400 (67% grant only).

79. PROJECT: Interstate Canal and Beaver Meadows Reservoir Rehabilitation

LEVEL: I
SPONSOR: Interstate Irrigation and Reservoir Company
LOCATION: Sweetwater
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	66	2013	II	$180,000	2015

PROJECT INFORMATION:

The Beaver Meadows Reservoir, originally designed for 2,461 acre-feet (af) capacity, is located entirely in the Ashley National Forest in Utah and is permitted under a Special Use Permit. Approximately ten miles of the length of the Interstate Canal system is located in Utah; the remaining four miles is located in Wyoming. Approximately 98% of the lands irrigated by the project are located in Wyoming. The reservoir's water supply is from Lost Creek, a tributary of

Burnt Fork, and the canal system is supplied by Beaver Meadows and two other reservoirs on Burnt Fork Creek. Burnt Fork is a tributary of Henrys Fork. The Interstate Irrigation and Reservoir Company is located in McKinnon, Wyoming.

The applicant requested a Level I study of the feasibility of rehabilitating both the existing Beaver Meadows dam and the Interstate Canal (earthen canal). The reservoir's spillway is in need of repairs and the applicant also requested analyzing whether the storage capacity could be significantly increased. In order to reduce canal losses the applicant was specifically interested in an investigation of the feasibility of installing pipe in the existing earthen canal.

The study determined that the reservoir lacks 354 af of being able to store its permitted capacity of 2,461 af, and that modifications to increase capacity to this level are feasible and relatively inexpensive. Further, the study concluded that there are considerable losses in the canal system and suggests corrective measures.

The study is nearing completion and the final report will be delivered in early 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

80. PROJECT: Jamestown/Rio Vista Water Supply

LEVEL: New Application (Level III)
SPONSOR: Jamestown-Rio Vista Water and Sewer District
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	33	2008	I	$75,000	2010

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.

JRV is requesting 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 JRV 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be incorporated into the New Development program at Level III status with an appropriation of $4,288,000 (67% grant).

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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 WDEQ 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, 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 and expected to be completed in early 2015. Rural Development has committed to provide funds once the design is complete and construction begins. The project should be completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

82. **PROJECT:** **Kaycee Replacement Tank**
LEVEL: III
SPONSOR: Town of Kaycee
LOCATION: Johnson County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	7	2002	I	$ 75,000	2004
Level III	105	2006	II	$2,350,000	2010

PROJECT INFORMATION:
The project consists of replacing a 200,000 gallon water storage tank that was constructed in 1986 and shows significant corrosion and structural problems.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III funding with an appropriation of $435,500. The financing plan includes a 67% grant to be used for design and construction activities. The sponsor will be responsible for obtaining the remaining 33% funding.

83. PROJECT: Kemmerer-Diamondville Water System

LEVEL: III
SPONSOR: Kemmerer/ Diamondville Joint Powers Board
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$100,000	2010
Level II	32	2010	I	$100,000	2011

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 is requesting Level III funding for only the new tank at this time.

RECOMMENDED LEGISLATIVE ACTION:
It is recommended that the project be advanced to Level III construction in the New Development program with a grant for $1,587,900, which is 67% of the total project cost.

84. PROJECT: Kirby Rehabilitation 2011

LEVEL: III
SPONSOR: Kirby Ditch Irrigation District
LOCATION: Hot Springs County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	123	2007	II	$200,000	2008
Level III	63	2011	II	$420,000*	2016
Level III	105	2006	II	$ 82,410**	2015

*67% grant, 33% loan
**Sponsor's Inflation Fund, 67% grant

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 is constructing these improvements during the winter of 2014-2015. The project is expected to be completed in 2015. WWDC funding is financing design, construction, construction engineering, and land rights as necessary to construct the project. The sponsor is providing a 33% match for the Sponsor's Inflation Fund portion of the financing, and is responsible for all costs not covered by WWDC funding.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

85. PROJECT: LaBarge Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	I	$400,000	2010
Level III	63	2011	I	$370,000*	2016
Level III	14	2012	I	$ 55,000*	2016

*67% grant, 33% loan

PROJECT INFORMATION:
The Town of La Barge is situated in the Green River drainage portion of Lincoln County and depends solely on alluvial ground water as its water supply. The Town was incorporated in 1973, and has relatively modern supply system components. However, the intake gallery located in the sands and gravels of the Green River floodplain is in jeopardy according to the U.S Environmental Protection Agency (USEPA). The USEPA determined the Town's shallow ground water supply was "Groundwater Under the Direct Influence of Surface Water," and, therefore, requiring surface water treatment. The efficiency of the original infiltration gallery to divert water upon demand has deteriorated to a critical state. Complicating these matters has been the potential for increased population and water demand on the system because of economic growth in the Green River Basin including the development at the Jonah and Pinedale Anticline fields.

The 2006 Level II Study considered alternatives including deep ground water development to replace the existing infiltration gallery and thus relieve potential treatment costs. The Study also provided a basic master plan of the Town's water system including system mapping, master meter testing, usage/demand/growth evaluation, the feasibility of suggested system alternatives (including treatment and distribution), recommended alternatives, conceptual designs, cost estimates, and funding opportunities.

In 2007, it was determined that the bedrock aquifer (Wasatch Formation) near La Barge would not meet the Town's minimal needs for quantity and quality. Subsequently, a shallow time-domain electromagnetic method (TDEM) resistivity survey, conducted on the meander deposits of the Green River, revealed potential for alluvial ground water development. A borehole exploration program was completed in 2009-2010 to determine the feasibility of an alternate alluvial source; however, no viable alluvial source was discovered.

In early 2011, the Town started utilizing new water treatment facilities. The Level II Study provided a conceptual design and cost estimates for a new Green River diversion structure to serve the new water treatment plant. The 2011 Legislature appropriated a 67% grant and 33% loan in the amount of $370,000 for the design and construction of the new intake diversion structure. The Engineer completed design of the project in 2012, and was successfully bid and awarded in late 2012. The contractor bid prices exceeded the funding available, and the Town received additional funds in the amount of $55,000 from the Sponsor Inflation Account.

The intake system was constructed in late 2012, and it is anticipated the project will be closed out by spring 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

86. PROJECT: Lake Hattie Dam

LEVEL: III
SPONSOR: Pioneer Canal-Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	14	2012	II	$ 840,000	2017
Level III*	75/14	2008 & 2012	II	$ 282,000	2017

*Denotes "Sponsor's Inflation Fund"

PROJECT INFORMATION:
The District replaced outlet valves, which serve as control for reservoir releases to the Pioneer Canal. Additionally, the District rehabilitated (relined) three outlet pipes. Outlet flow control was restored with completion of the project, which enables the District to properly regulate releases from the Lake Hattie.

In fall 2013, the District conducted a bid opening. Unfortunately, the low bid was higher than the engineer's estimate. The District requested an additional $282,000 from the "Sponsor's Inflation Fund" to provide sufficient funds to complete construction of the project. The project was completed during 2014, water was turned over to the District in May 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

87. **PROJECT:** **Lakeview Irrigation District Rehabilitation 2014**
LEVEL: III
SPONSOR: Lakeview Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$154,770	2019

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.

The original project would have replaced the existing Bull Creek Siphon structure, which is aged, badly deteriorated, and well beyond its useful service life. The 2012 master plan funded by the WWDC identified replacement of this structure as the highest priority. However, initial contacts with the adjacent landowner, from whom a new easement is required, were not promising and the District requested a change from the Bull Creek structure to the Belknap Creek siphon. The Belknap siphon was the number two priority from the 2012 study and can be constructed in place unlike the Bull Creek Siphon.

In 2014, the Legislature appropriated $154,770 as a 67% grant for design and construction of the siphon. Lakeview Irrigation will supply the matching 33% of the funding for the project. Currently, the project is in design and construction is expected to start in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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.

The WWDC recommended an appropriation for Level III construction be approved for $170,000 (67% grant and 33% loan). To date, the District has not entered into a Level III Project Agreement with WWDC due to financial constraints.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

89. PROJECT: Lander Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$ 100,000	2009
Level I	32	2011	I	$ 5,000	2011
Level III	14	2012	I	$3,068,000*	2017

* 50% grant only

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 proposed 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 has been completed but right-of-way issues have delayed the project. Construction should be completed by 2017.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

90. PROJECT: Laramie Master Plan

LEVEL: I
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	123	1990	I	$ 75,000	1992
Level I	38	1991	I	$ 35,000	1992
Level II	43	1992	I	$ 1,000	1993
Level II	43	1992	I	$ 200,000	1993
Level III	89	1993	I	$3,146,400	1997
Level I	10	1994	I	$ 200,000	1996
Level II	8	1995	I	$ 250,000	1996
Level III	206	1995	II	$ 550,000	1999
Level III	206	1995	I	$ 400,000	1999
Level III	59	1996	II	$1,200,000	1999
Level III	59	1996	I	$4,000,000	1999
Level II	82	1998	I	$ 40,000	2000
Level III	38	1998	II	$4,945,000	2002
Level III	16	1999	I	$2,950,000	2002
Level II	36	2000	II	$ 45,000	2002
Level III	96	2000	I	$ 920,000	2004
Level III	2	2001	II	$ 970,000	2005
Level III	88	2002	I	$3,955,000	2002
Level III	88	2002	II	$3,225,000	2007
Level III	69	2002	I	$ 825,000	2007
Level II	75	2005	I	$ 330,000	2006
Level III	105	2006	II	$ 97,150	2010
Level II	75	2007	I	$ 260,000	2008
Level II	66	2009	I	$ 100,000	2010
Level III-I	75	2008	I	$ 880,000	2013
Level III-II	38	2009	I	$6,850,000	2014
Level III	68	2010	I	$3,100,000	2015
Level III	14	2012	I	$2,638,170	2017
Level III-III	14	2012	I	$3,120,000	2017
Level I	74	2014	I	$ 250,000	2017

PROJECT INFORMATION:
The City of Laramie is experiencing significant growth and increased demand on their water supply system and sought a comprehensive municipal water supply master plan to provide the tools and guidance needed to assist in the planning, rehabilitating, upgrading, and managing of their system. This document will serve as a framework for the City of Laramie in establishing project priorities and to perform the financial planning necessary to meet those priorities. Continued growth and

increased demands on the system necessitate a current evaluation of system capacity and future infrastructure requirements to adequately and reliably meet projected water supply needs. The master plan study which got underway June, 2014 will identify the parts of the existing water system that are deficient and provide a schedule for improvements. It will also identify system needs and develop a plan to accommodate future growth. The study is scheduled for completion September, 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

91. PROJECT: Laramie North Side Tank

LEVEL: III
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III-I	100	2014	I	$1,200,000*	2019

* 67% grant, 33% loan

PROJECT INFORMATION:
The City of Laramie (City) obtained the services of an engineering firm to conduct an independent study to evaluate the potential for a new water supply on the north side of the City. Based on the independent study, the City requested funding for a storage tank on the north side of Laramie to serve anticipated future growth, provide system redundancy, and provide adequate fire flow capability located within the current Zone 1, 2 and 3pressure zone boundaries.

In 2014, a budget of $1,200,000 was appropriated for design only; however, this project has been put on hold pending the conclusions and recommendations of the Level I Master Plan.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

92. PROJECT: Laramie Transmission Pipeline

LEVEL: III
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III-I	75	2008	I	$ 880,000*	2013
Level III-II	38	2009	I	$6,850,000*	2014
Level III-III	14	2012	I	$3,120,000*	2017

* 67% grant, 33% loan

PROJECT INFORMATION:
The City of Laramie (City) diverts water from the Laramie River, conveys it through the Pioneer Canal to Lake Sodergreen, and then to the City water treatment plant (WTP). Water loss from the canal accounts for approximately 30% of the City's surface water right (14.31-cfs) from the Laramie River. The 2008 appropriation provided funding to design a pipeline from the Laramie River to the WTP, bypassing Pioneer Canal and Lake Sodergreen, allowing the City of Laramie to utilize their full surface water right. The 2009 appropriation provided funding to the City to construct the pipeline.

In 2011, the City completed the pipeline segment from the Laramie River to Lake Sodergreen with a remaining budget of approximately $2.0M. In September 2011, the City submitted a funding application to replace the existing 36-inch pipeline from Lake Sodergreen to the WTP. The City's application indicated this segment of transmission pipeline experiences major breaks annually requiring the City to shut down water production at the plant to repair the pipeline. The project was designed and bid during 2014. The pipeline was installed during the fall 2014, and will likely be closed out by spring 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

93. PROJECT: LeClair Irrigation District Master Plan

LEVEL: New Application (Level I)
SPONSOR: LeClair Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$ 50,000	2004
Level II	75	2005	II	$250,000	2006
Level III	69	2003	II	$565,000	2012

PROJECT INFORMATION:
The LeClair Irrigation District has never had a complete master plan analysis of their system. The proposed master plan would provide them with a prioritized list of items that need replacement, a GIS system to better manage their infrastructure, management recommendations, and costs to complete the recommended alternatives. There is one structure in particular that needs to be considered for replacement, the Sand Gate Diversion. This structure was designed to return the sand caught in the main canal back to the river. The foundation of this structure has been compromised and if it fails before repairs can be made all 13,000 acres within the district will be shut down until repairs can be made. The district would also like a seepage analysis completed for the "Dalley Section" of the main canal. Seepage within this section is significant and is causing damage to the fields below the canal.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be funded as a Level I study in the Rehabilitation Program for the amount of $175,000

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	68	2010	II	$ 990,000	2015
Level III	14	2012	II	$1,323,500	2015

PROJECT INFORMATION:
The diversions provide water to the area's various canals and ditch companies. However, the operation of these sheet pile facilities has proven to be problematic. These diversions were designed to use wooden planks to dam the water to an elevation sufficient to divert water into the canals. Debris catches on the sheet pile and the wooden planks and breaks the planks. Once the planks are broken, earth moving equipment is used to reconfigure the stream bottom and to add large boulders in rock vane or rock berm configurations at sufficient elevation to allow water to be diverted into the canal. These temporary diversion structures require constant maintenance throughout the irrigation season.

In 2010, the legislature awarded the District $990,000 from Water Development Account II to rehabilitate the Adams, Baggs, Ready and First Mesa diversions. Unfortunately the appropriation will not cover the cost of construction for the four diversions, as evidenced by results of the bid opening for reconstruction of just two of the diversions (the Baggs and Adams Diversions). The low bid exceeded available Water Development Program funding.

However, by combining the Water Development funding with funds from other sources, the District was able to award a contract for these two diversions. The District requested and received additional financial assistance to re-construct the last two of the four diversions in 2012. The project has completed three diversions and the fourth, First Mesa Diversion, is currently substantially complete.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

95. **PROJECT:** **Little Snake Rehabilitation 2011**
LEVEL: III
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	32	2010	II	$100,000	2012
Level III	63	2011	II	$154,000*	2016

*67% grant

PROJECT INFORMATION:
The District requested funding for a Level II Study to identify rehabilitation measures to remediate seep and canal bank sloughing for the First Mesa, West Side, and State Line canals. It also requested the Level II Study include recommendations for installation of a parshall flume to measure flows of the State Line Canal.

Funding for the Little Snake Canals Level II study was appropriated in 2010. In 2010, final design/construction drawings and cost estimates were completed for the State Line Canal measuring device, improvements to the First Mesa Ditch, and rehabilitation of the West Side flume. The canal study report will be completed in 2012. During 2011, the legislature approved construction funding and the implementing Agreement was signed for this construction project on May 13, 2011. The District reported that some repair materials have been delivered to the sites but actual repairs are pending as of the date of this report. Engineering plans have been approved; no WWDC fund expenditures to date.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

96. PROJECT: Little Snake Supplemental Storage (West Fork Reservoir)

LEVEL: II
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	33	2008	III	$ 250,000	2010
Level II	32	2010	III	$ 300,000	2012
Level II	66	2013	III	$7,000,000	2017

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 un-met demand for supplemental irrigation water in the Little Snake River Basin. However, the WWDC recommended embarking upon a Level II program.

In their application, the District stated that, if additional water was available, irrigators would have purchased approximately another 2,850 acre-feet of water. The District consists of 20,000 acres in the Little Snake River drainage downstream from the Little Snake River/Savery Creek confluence and the Savery Creek drainage. With additional storage located above this confluence, the District may be able to serve additional users, which would require the District to amend their service area boundary. Storage constructed above the Savery Creek/Little Snake River confluence could also serve as a supplemental supply for existing District members.

During the 2008 Budget Session, the Legislature appropriated funds for a Level II Study, which focused on development of the purpose and need statement and screening criteria of potential reservoir sites. To provide service to those unable to receive water released from the High Savery Reservoir project and to increase the District's service area, the sites screened in the study were located in the Savery Creek drainage and drainages upstream of the Little Snake River/Savery

Creek confluence. Review of pertinent screening criteria clearly indicated that one site, the West Fork Battle Creek site, is the best alternative from a federal permitting and multiple purpose perspective to serve the needs of the District. However, the 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 and has been identified as a "superfund" site by the Environmental Protection Agency. The West Fork Battle Creek site was approved for further analysis by the WWDC. Although copper may present significant challenges for the project to overcome, it also presents opportunities to partner and cost share with the environmental community. Furthermore, as eluded to, from wetland, terrestrial wildlife, fishery, and sensitive plant species perspectives, erecting a dam on the West Fork Battle Creek site, when compared to other potential sites, exhibits the least adverse environmental impact.

During the 2010 Budget Session, the Legislature appropriate additional funds to refine project information. Additional stream gauging, hydrologic modeling, landowner discussions, water quality monitoring, and fisheries analysis were conducted. This has resulted in a proposed reservoir with a capacity of approximately 8,000 acre-feet which includes an irrigation supplementary supply pool with an average yield of approximately 3,000 acre-feet per year, a stream fishery pool and a permanent recreation pool.

During the 2013 General Session, the Legislature appropriated Level II, Phase III funding for permitting and final design. To date, additional water quality samples have been analyzed and water quality modeling is being conducted to determine the effects of copper on the reservoir and downstream waterways. Furthermore, potential measure to reduce or eliminate copper upstream of the reservoir are being identified. Assuming mitigation measures can be implemented to address copper; permitting and final design will follow.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

97. PROJECT: Little Wind River Storage Study

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

EXISTING LEGISLATION:

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

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 can be offset by constructing dam and reservoir projects in both drainages that would store spring runoff which would then be used by irrigators in either the Little Wind and/or Big Wind River Drainage. These shortages were reaffirmed by Short Elliot and Hendrickson (SHE) in the "Upper Wind River Storage Project – Level 1 Study" which was prepared for the WWDC in 2001.

During the 2014 Budget Session, the Eastern Shoshone and Northern Arapahoe Tribes applied for and received funding to conduct a Level II Storage Feasibility Study that would build on the 2001 Level I study. The Level II study will analyze irrigation water shortages and available water 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. The study is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

98. PROJECT: Lovell Canal Rehabilitation 2014

LEVEL: Level III
SPONSOR: Lovell Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$889,000*	2019

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

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

From 2010 to 2013, the sponsor replaced over 11,000 feet of Bench Lateral open ditch with pipe using WWDC funding. The Lovell Canal Rehabilitation 2009 Project and the Lovell Canal Rehabilitation 2012 Project are complete. In the fall of 2013, the sponsor requested funding to place another 6,000 feet of Bench Lateral into pipe. In a show of good faith, the sponsor has provided documentation demonstrating that it will seek bank loans to finance its share of project expenses, should annual budget savings prove inadequate to complete the construction. The project is anticipated to be complete prior to the 2015 irrigation season.

In the fall of 2014 the sponsor opened bids and awarded two contracts, one for the purchase of materials and the other for a contractor to install said materials and construct the project. Both of these contracts are underway with construction to be completed in the spring of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is necessary.

99. PROJECT: Lovell Master Plan

LEVEL: I
SPONSOR: Town of Lovell
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$110,000	2014

PROJECT INFORMATION:
In 2001, Lovell completed the Water Distribution System and Sewer Collection System Master Plans. There have been several upgrades as a part of the 2001 planning efforts. This project focused on updating the previous water master plan to include the many changes to the system and update mapping, population projections, the hydraulic model, and review storage.

The project was completed in 2014, and several recommendations came out of the report. The Town is expected to seek Level III funding for a new tank, pump station, and area transmission lines for 2015 funding.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

100. PROJECT: Lovell Tank/Zone 2 Improvements

LEVEL: New Application (Level III)
SPONSOR: Jamestown-Rio Vista Water and Sewer District
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$110,000	2014

PROJECT INFORMATION:
The Level I study identified that there is no storage for the upper pressure zone that includes the community's hospital and nursing home, plus a significant residential area. The pressure zone is fed and pressurized by an old variable speed pump station that is very close to the end of its useful life. The request is 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be incorporated into the New Development program at Level III status with an appropriation of $2,401,950 (67% grant).

101. PROJECT: Lovell Transmission Pipeline

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	14	2012	I	$ 67,000*	2018
Level III	141	2013	I	$703,500*	2018

*67% Grant

PROJECT INFORMATION:
Due to the deteriorating condition of the water and sewer mains throughout Lovell, the Town officials decided to rebuild the entire water and sewer transmission/distribution and collection systems over a period of time. The Town developed a multi-phase engineering and construction plan to meet the rebuilding needs. Phases 1 and 2 were completed and did not include project components that were WWDC funding eligible. Phase 3 was completed in the fall of 2010 and contained WWDC project eligible transmission pipeline components. Phase 4 was funded by USDA-RD and was completed in 2012.

The final phase will be along Main Street in conjunction with a WYDOT highway improvement project and was designed in 2012-2013 with an anticipated construction date in 2013-2014. The Town of Lovell has indicated that it is unable to incur additional debt for the Main Street project due to the previous investments in the water supply system.

In 2012, the Town of Lovell received a Level III New Development project with an appropriation of $67,000 (67% grant). This appropriation is to provide funding for the WWDC eligible design and permitting costs with the remaining balance financed with a mineral royalty grant. This appropriation allowed the Town to meet the WYDOT construction schedule and provide the Town with additional time to obtain the construction financing for the final phase.

In 2013, the Town received grant funding of $703,500 (67% grant) for the WWDC eligible construction costs with the remaining balance financed through a mineral royalty grant of $3,596,605.

The project has progressed in a timely manner incorporating the requirements of the Town, WYDOT and WWDC. During 2013, the Town completed the design process and secured the necessary easements. The project was successfully bid and awarded in-early 2014. The Contractor, Town, Engineer, WYDOT and WWDC have all worked diligently during 2014 to build a beneficial project for the Town. The project is anticipated to be completed and closed-out in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

102. PROJECT: Lower Bighorn and Nowood Basin Instream Flows

LEVEL: I
SPONSOR: WWDO
LOCATION: Lower Bighorn and Nowood River Basins, Wyoming
PROGRAM: Instream Flow Studies

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	26	2012	I	$36,000	2016

PROJECT INFORMATION:
The Wyoming Game and Fish Department (WGFD) identified three stream reaches within the Lower Bighorn River and Nowood River Basins where instream flows are critical and unappropriated surface water appears available. The North and South Beaver Creek segments are located within the Upper Beaver Creek HUC12 (100800100204), roughly 20 miles northeast of Greybull. North and South Beaver Creeks join to form Beaver Creek, which is a tributary of Shell Creek, which is a tributary of the Bighorn River. The Dry Medicine Lodge Creek segment is located within the Lower Medicine Lodge Creek HUC 12 (100800080606), roughly 30 miles

southeast of Greybull. Dry Medicine Lodge Creek joins Medicine Lodge Creek which joins Paintrock Creek which joins the Nowood 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. The majority of work thus far on the project involved the installation of gaging equipment and collection of stream flow data. This project is on schedule and on budget with a completion scheduled for late-2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

103. PROJECT: Lower Clear Creek Irrigation District-Leiter Ditch Rehabilitation

LEVEL: II
SPONSOR: Lower Clear Creek Irrigation District
LOCATION: Sheridan County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	II	$100,000	2015

PROJECT INFORMATION:
Leiter ditch conveys water from Piney Creek to Lake Desmet. The ditch is failing and unable to carry its original design capacity. The Clear Creek Watershed Study completed in 2011 identified several issues with the ditch and its need for rehabilitation. The district is in need of this study to evaluate costs, benefits, alternatives, and prepare a preliminary rehabilitation design for the ditch. Sufficient information will be provided in this study to support a request for Level III construction funding.

The majority of work thus far on the project involved extensive review of historic documents, including all information available on Lake Desmet, particularly with respect to storage rights and operations. Surveying tasks have been conducted, and canal evaluations have begun. Hydraulic

analyses have also been initiated. This project is on schedule and on budget with a completion scheduled for mid-2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

104. PROJECT: Lower Nowood Rural Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	1	2011	I	$70,000	2012
Level II	66	2013	I	$75,000	2014

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 supply option. The final report was delivered in the fall of 2012 with the following recommendations.

1. Continue to a Level II Study
2. Negotiate with the Town of Ten Sleep to provide water as a part of a Regional System through the new South Circle water line
3. Join the South Circle Improvement and Service District

The Level II study was completed in the fall of 2014. It included the following tasks:

1. Finalize the water supply options. Water could be purchased from the Town of Ten Sleep or pumped from a district owned well
2. Analyze the effects of water age and disinfection byproducts
3. Refine the horizontal pipeline alignment
4. Update the conceptual designs
5. Provide a Level II cost estimate
6. Refine sponsors funding options
7. Complete an environmental report

The Level II Study recommended that 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.

RECOMMENDED LEGISLATIVE ACTION
The WWDC recommends that this project be funded at Level III in the New Development program for the amount of $1,423,750. The WWDC further recommends that funding be contingent on the

Lower Nowood District finalizing water service agreements with the Town of Ten Sleep and the South Circle Improvement and Service Districts.

105. **PROJECT:** **Lusk Master Plan**
LEVEL: I
SPONSOR: Town of Lusk
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$200,000	2014

PROJECT IDESCRIPTION:
The water system serves a total of approximately 1,800 people living in the community, the Wyoming Women's Center, and the adjacent area. The Town is solely reliant on groundwater from four deep wells completed into the Upper Tertiary Arikaree Formation. The Town's wells yield a combined total of approximately 1,800 gallons per minute. The system has three storage tanks with a total combined capacity of 1,061,000 gallons.

The Level I study commenced work in August 2013 and the final project report was completed in September 2014.The Level I study recommended a slight increase in the water rates to create a general purpose sinking fund; improvements in storage tank operations to decrease water stagnation; following a regular schedule for tank cleaning and maintenance; obtaining an easement for Well #1 from Dept. of Corrections; complete adjudication process for Well No. 10; move chlorination to single location for the east wells; improved use of the SCADA system; tracking water quality data; replacement of undersized pipeline; looping of system pipelines; Well #1 rehabilitation and change from underground vault to pitless adapter; a schedule for well/pump maintenance; and replacement of aging fire hydrants. The study also recommended well replacement or additional well construction near the sites of Well #1 and Well #3 and a replacement schedule for the old pipelines approaching 100 years in age. The Town decided to postpone any new Level II or III projects for at least one year due to other issues facing the Town this year.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

106. **PROJECT:** **Manville Well**
LEVEL: II
SPONSOR: Town of Manville
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$450,000	2014

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). This 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. A second extension of the project due date to December 31, 2014, was approved to plug and abandon one deep test boring after the landowner's crop harvest and to conduct a geophysical study by UW.

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 approximately190 gpm for Town use. A geophysical study by UW of the study area was conducted during the summer of 2014 and the final project report was completed in December 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

107. PROJECT: Manville Well Connection

LEVEL: III
SPONSOR: Town of Manville
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$450,000	2014
Level III	100	2014	III	$490,000	2019

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). This 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. A second extension of the project due date to December 31, 2014, was approved to plug and abandon one deep test boring after the landowner's crop harvest and to conduct a geophysical study by UW.

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 approximately190 gpm for Town use. The final Level II project report was completed in December 2014.

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. It is anticipated the project will be completed during 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

108. PROJECT: Means First Extension Master Plan/Gillette Regional Connection

LEVEL: II
SPONSOR: Means First Water and Sewer District
LOCATION: Campbell
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	I	120,000	2015

PROJECT INFORMATION:
Means First Water and Sewer District is located North of Gillette near the municipal airport. The district is composed of seven subdivisions, five of those subdivisions were formed in the 1970's and two of them were formed more recently in 2000 and 2007. The district has three water supply wells that supply water to 174 taps. Not all areas within the district boundaries have water service, and property owners are asking for water service within these areas. There is also a dead end line that creates water stagnation problems numerous times throughout the year. The district has requested a master plan level analysis of their system to address these issues. The master plan will also include a conceptual level cost estimate for a connection to the Gillette Regional Water Supply System.

For more information on the Gillette Regional Water Supply Project please refer to the Gillette Regional Extensions and Connections projects.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

109. PROJECT: Medicine Bow River Watershed Study

LEVEL: I
SPONSORS: Medicine Bow Conservation District
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$375,000	2016

PROJECT INFORMATION:
The Medicine Bow Conservation District requests a watershed study to evaluate storage opportunities, current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. 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. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans will be included.

The Medicine Bow River watersheds, located east of Pathfinder Reservoir in Carbon and Albany Counties, is approximately 1,700,000 acres. Land ownership in the Medicine Bow River drainage is divided among federal (~40%), private (~50%) and state (~10%). The Medicine Bow River watershed includes the primary stream system of the Medicine Bow River and numerous tributaries including the Little Medicine Bow River, Rock Creek, Wagonhound Creek, Difficulty Creek, Troublesome Creek, Sage Creek, Muddy Creek and Sheep Creek. Seminoe Dam and Reservoir and Pathfinder Dam and Reservoir are Bureau of Reclamation storage facilities located on the western edge of the watershed study area. There are numerous smaller surface water impoundments within the watershed including Turpin, Sand Lake and Pierce reservoirs.

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 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

110. PROJECT: Medicine Bow Transmission Pipeline

LEVEL: III
SPONSOR: Town of Medicine Bow
LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$1,052,000	2019

PROJECT INFORMATION:
The Town is supplied with water from two wells with an approximate depth of 480 feet. The primary water supply aquifer is the Casper/Tensleep formations. The approximate yield of the Town's water supply is 300-gpm. The Town also has a steel tank that provides 1.5 million gallons in storage capacity. The water transmission pipeline material varies from PVC, DIP, and CIP and ranges in age from newly replaced to 60 years old.

The Town is planning to replace 8.6 miles of 12-inch asbestos cement transmission line with a 12-inch PVC pipeline. The current pipeline is 35 years old and is prone to breaks and leaks. The Town has secured $2,806,000 of SRF funding for the project of which 75% is in the form of loan forgiveness/grant. In 2013, the project was designed, secured the necessary easements, and secured a DEQ permit to construct.

In 2014, the Town received WWDC Level III funding with an appropriation of $1,052,000 (67% grant).

The funding appropriation is for the eligible construction costs of the project. The project's design and remaining project costs are funded through a Drinking Water SRF appropriation. In 2014, the project was bid and successfully awarded. The Contractor, Town, Engineer, SRF and WWDC have worked together to build a beneficial project for the Town. The project is nearing substantial completion and is anticipated to be completed and closed-out in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

111. PROJECT: Meeks Cabin Dam Enlargement

LEVEL: New Application (Level II)
SPONSOR: Bridger Valley Water Conservancy District
LOCATION: Uinta County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$350,000	2015

PROJECT INFORMATION:
The Bridger Valley Water Conservancy District (District) is proposing to sponsor a Level II Study to determine the feasibility associated with an enlargement of Meeks Cabin Dam. 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.

During the 2013 General Session, $350,000 was appropriated for a Level I Watershed Study sponsored by the Uinta County Conservation District. Surface water storage, including enlargements of existing water storage facilities, is a point of interest in that nearly completed study.

Approximately half of the proposed budget would be utilized under a typical WWDO contract with an engineering consultant to perform hydrologic modeling, conservation and screening analysis, alternatives analysis, environmental analysis, preliminary geotechnical analysis, and economics analysis. This analysis would focus on a broad-based approach to determine if any fatal flaws would halt the progress of an enlargement to the dam.

If the WWDO feasibility analysis supports the concept of enlargement, the remaining proposed budget would allow WWDO to seek technical assistance from Reclamation to consider enlarging the facility which would likely be coordinated through the regional office in Provo, UT. The technical assistance with Reclamation would be conducted under a contractual agreement and could include a bathymetric survey, project management, preliminary design (review of existing data), preliminary level risk analysis, a value planning study, and appraisal level alternatives analysis.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $600,000, from the Dams and Reservoirs Program, to complete a Level II, Phase I Storage Feasibility Study and potentially procure technical assistance from the U.S. Department of Interior, Bureau of Reclamation.

112. PROJECT: Meeteetse Master Plan

LEVEL: I
SPONSOR: Town of Meeteetse
LOCATION: Park County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$125,000	2015

PROJECT INFORMATION:
The Town of Meeteetse public water system serves the population of 327 through 217 taps. The Town is supplied with surface water from the Lower Sunshine Reservoir at rates up to 1.1 cfs. The Town operates a microfiltration water treatment plant that treats water diverted from the toe drain of the Lower Sunshine Reservoir, which is located about 6 miles from the Town. The Town's system includes two storage tanks with capacities of 500,000 and 200,000 gallons; totaling a combined capacity of 700,000 gallons.

The Town of Meeteetse requested a Level I study to update the Town's previous October 1995 master plan. The new study will identify the components of the existing water system that are deficient and provide a schedule for improvements. This new study will also identify system needs and plan to accommodate the future growth of the Town. The study commenced in June 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

113. PROJECT: Middle North Platte Watershed

LEVEL: I
SPONSORS: Natrona County Conservation District
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	32	2006	II	$200,000	2008
Level I	57	2012	I	$250,000	2015

PROJECT INFORMATION:
Natrona 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. 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. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans are also of interest.

The Middle North Platte River watershed, located north of Casper in Natrona County, is approximately 1,351,680 acres. Land ownership in the drainage is divided among federal (31%), private (59%) and state (9%). The watershed includes one primary river system, the North Platte River, and tributaries Bates Creek, Casper Creek, Iron Creek, Middle Fork Casper Creek, Poison Spider Creek, South Fork Casper Creek, Stinking Creek and Willow Creek.

The WWDC conducted a Level II Feasibility Study for the Casper Alcova Irrigation District in 2008. Also, the Wyoming Department of Environmental Quality Water Quality Division has completed a Total Maximum Daily Load analysis of water quality of the North Platte River. This study developed an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information was incorporated into a

rehabilitation and management plan complete with cost estimates for potential future project activities. This project was completed in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

114. PROJECT: Middle North Platte-Glendo Watershed Study

LEVEL: New Application
SPONSORS: Converse County Conservation District
LOCATION: Converse County
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
Converse 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. 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. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans are also of interest.

The Middle North Platte River - Glendo watershed, located in Converse, Platte, Niobrara, Albany, Natrona and Goshen counties, covers approximately 2,000,000 acres. Land ownership in the watershed is predominately private (~80%), state (~10%) and federal (~10%). The Middle North Platte River - Glendo watershed includes the primary stream system of the North Platte River and numerous tributaries including Box Elder Creek, Cottonwood Creek, Deer Creek, Elkhorn Creek, Horseshoe Creek, La Prele Creek, Muddy Creek, Wagonhound Creek, and Willow Creek. Glendo Reservoir, La Prele Reservoir and Guernsey Reservoir are storage facilities located in the watershed. There are numerous smaller surface water impoundments within the watershed.

This project is expected to be completed in 2016.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $375,000.00.

115. PROJECT: Middle Piney Reservoir

LEVEL: II
SPONSOR: Middle Piney Watershed Improvement District
LOCATION: Sublette County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	III	$200,000	2016
Level II	66	2009	III	$500,000	2016
Level II	74	2014	III	$300,000	2016

PROJECT INFORMATION:
Construction of Middle Piney Dam was completed in 1940 with a permitted capacity of 4,201 acre-feet and a September 4, 1919 priority date. 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 dam takes advantage of the partial valley fill created by the ancient landslide.

The United States Forest Service (USFS) obtained full ownership of the Middle Piney Dam facility in 2000. 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 noted seepage and outlet works problems, USFS maintains the control gate in the open position and does not use the historic storage. USFS has been planning on breaching the embankment to remove any liability.

A Level II Storage Feasibility Study was initiated in 2006. The purpose of the study was to determine the viability of local irrigators utilizing the dam for a supplemental irrigation water supply, approximately 3,350 acre feet per year, and potentially acquiring storage from the USFS. The Level II study concluded that it was feasible to rehabilitate the dam and bring it up to Dam Safety standards.

The study also addressed the economic benefits that would potentially accrue to irrigators, the regional economy, and the State of Wyoming from construction and operation of the project. The primary direct benefit of the project will be the annual availability of stored irrigation water for use by irrigators along Middle Piney Creek below the reservoir. The additional farm and ranch income generated by this irrigation water will also have a stimulating, or "multiplier effect", on the regional and state economies. Other potential project effects include recreation and the possibility of mitigating occasional flood events below the reservoir site. By and large, it was concluded that the project would have a positive benefit/cost ratio.

Additional funding was received during the 2009 General Session to continue the study. Since that time, there have been numerous personnel changes in the USFS chain of command. For example, the District Ranger position in the Big Piney Field Office has changed six times since the study started. Consequently, project progress has been affected. However, in late 2011, significant steps forward were taken and partnering discussions between the WWDO, irrigators and USFS have built momentum to this day. Also during this time, additional geotechnical investigation of seepage paths through the dam and embankment were carried out and design alternatives to control the seepage have been developed. Furthermore, WWDO, the State's Consultant and the USFS have collaborated to collect field data necessary for continuation with the NEPA permitting process.

Local irrigators on Middle Piney Creek have been presented with the findings of the past study and ongoing data collections, and have formed a watershed improvement district to meet the WWDC's requirements to be a public entity. The District is now in a position to receive State funds, incur debt, generate revenues to repay a State loan, hold title and grant a minimum of a parity position mortgage on the existing water system and improvements appurtenant to the project or provide other adequate security for any anticipated State construction loan.

The USFS has proposed that WWDO proceed with the NEPA analysis and disclose the effects of the proposed rehabilitation project. To facilitate a more timely process, the USFS requested that WWDO contract with a third party to conduct the environmental analysis. During the 2014 Budget Session, the WWDO, with the support of local landowners and potential beneficiaries, requested funding for the continuation of the study under Dam and Reservoir Account III at Level II, Phase III. Since that time, several meetings have taken place with the USFS to finalize agreements and

clarify NEPA requirements, but response and progress has been limited. In addition, yet another change has taken place in the USFS chain of command with the resignation of the Bridger-Teton Forest Supervisor, who was also a strong project proponent. With the NEPA direction gained from our meetings and in an attempt to prevent project delay, WWDO would like to request additional funds for the project should the environmental review become more rigorous than originally understood.

RECOMMENDED LEGISLATIVE ACTION:
WWDC recommends additional funding, in the amount of $150,000, from the Dams and Reservoirs Program, to continue current Level II, Phase III permitting and final design work

116. PROJECT: Midvale Bull Lake Rehabilitation 2015
LEVEL: New Application (Level III)
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:
None

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. This request is to pay down 67% of the loan with a WWDC grant of $2,653,200.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the Rehabilitation Program with an appropriation of $2,653,200. The United States Bureau of Reclamation is responsible for 85% of the project costs and the district is responsible for 15% of the project costs. The recommended financing plan includes a 67% grant on the district's 15% obligation, or 10.05%. The Sponsor is responsible for 4.95% of the project budget.

117. PROJECT: Midvale Irrigation District Hydropower Study
LEVEL: II
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	I	$150,000	2016

PROJECT INFORMATION:
The study will determine the feasibility of building hydropower at various canal drop structures within the district's boundaries and to determine the feasibility of upgrading, and taking over, the existing Pilot Butte power plant. The project has been started, and the initial scoping meeting has been held and the project is moving forward.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

118. PROJECT: Midvale Rehabilitation 2012

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	125	2003	II	$300,000	2007
Level II	34	2004	II	$ 75,000	2007
Level III	14	2012	II	$945,000*	2017

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

PROJECT INFORMATION:
The district has replaced the Wyoming 15.1 Lateral concrete ditch with a buried pipeline using the 2012 appropriation. The project was closed out in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

119. PROJECT: Midvale Rehabilitation 2013

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	125	2003	II	$300,000	2007
Level II	34	2004	II	$ 75,000	2007
Level III	141	2013	II	$317,400*	2018

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

PROJECT INFORMATION:
The appropriation for the Midvale Rehabilitation 2013 Project is grant funding for the purchase of invoiced materials. It will be used to replace the Wyoming 37.2 Muddy Creek Check and Drop Structure. The structure has deteriorated and has been identified as losing water due to seepage, evaporation and operational waste. The construction will be performed by the district with district resources at district cost. Engineering, permitting, and other project costs will be borne by the district. The district will meet these obligations from its operating budget and has successfully financed similar projects with WWDC.

The district is constructing the concrete check structure at the top end of this project during the 2014-2015 winter. Construction of the pipe drop and stilling basin is scheduled for the winter of 2015-2016.

Bids were opened in 2014 for the 60 inch diameter pipe needed for the pipe drop. No bids were received for pvc pipe and the hdpe pipe price would have forced the project materials purchases over the appropriated budget.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the Rehabilitation Program with an appropriation of $63,600. The recommended financing plan includes a 67% grant with the Sponsor responsible for 33% of the project budget

120. PROJECT: Moorcroft Master Plan

LEVEL: I
SPONSOR: Town of Moorcroft
LOCATION: Crook County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$135,000	2015

PROJECT INFORMATION:
The Town of Moorcroft public water system serves the population of 1,092 through 425 taps. The Town is supplied with groundwater from one 3,750-foot deep well completed into the Mississippian Madison Limestone and six shallower wells completed into the Upper Cretaceous Lance Formation/Fox Hills Sandstone. The total combined yield of the seven wells is approximately 900 gpm. The Town's system includes two storage tanks with capacities of 250,000 and 500,000 gallons; totaling a combined capacity of 750,000 gallons.

The Town of Moorcroft requested a Level I study to update the Town's previous October 1991 and April 1992 master plans. The new study will evaluate the current condition of the Town's water system and to determine the ability of the Town's water system to allow them to continue to operate and to determine options for increasing system efficiency. The new study will also identify system needs, provide a schedule for system improvements, and plan to accommodate future growth of the Town. The study began in June 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

121. PROJECT: Mountain View Acres Connection

LEVEL: III
SPONSOR: Mountain View Acres Water District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$300,000	2008
Level II	99	2006	II	$125,000	2008
Level III	141	2013	I	$ 95,000	2018

PROJECT INFORMATION:
The Mountain View Acres Water District funding request is 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 would provide the District with a redundant water supply and an existing 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 engineering agreement has been signed and the district is working on obtaining water from the City of Riverton. The Riverton Water Supply Project has also caused some delay to this project since the final alignment of the pipeline has not been set. Once the final alignment of the pipeline in the Riverton Water Supply Project is determined, and a water supply agreement is signed with the City of the Riverton, the design will continue.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

122. PROJECT: Muddy Creek Basin Instream Flows

LEVEL: I
SPONSOR: WWDO
LOCATION: Muddy Creek Basin, Wyoming
PROGRAM: Instream Flow Studies

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	39	2010	I	$49,880	2015

PROJECT INFORMATION:
The Wyoming Game and Fish Department (WGFD) identified 4 stream reaches within the Muddy Creek Basin where instream flows are critical and unappropriated surface water appears available. These segments are located in the Muddy Creek watershed, roughly 25 miles SSW of Rawlins and 30 miles NNE of Baggs in Carbon County. 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. Tasks conducted during the study include: mapping, 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. A draft report has been issued for this study which is currently under review. This project is on schedule and on budget with a final report expected to be issued before January 1, 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

123. PROJECT: New Fork Lake Dam Enlargement

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

EXISTING LEGISLATION:
None

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. In addition, an enlargement of the dam may also assist with the aging structure's longevity.

The District is proposing a Level II, Phase I feasibility study to investigate the potential to increase the dam elevation at New Fork Lake three to four feet subsequently increasing the storage capacity of the facility by an estimated 4,000 – 5,200 acre-feet. The District also desires an enhanced outlet works with the ability to remotely operate and monitor reservoir stage and discharge rates which could ultimately lead to a more efficient utilization of the resource. The District has expressed a wish to have parcels and water rights within the District mapped digitally and, perhaps, accessible on Sublette County's web based mapping system. Further, independent engineering work conducted recently reflects a need to investigate the integrity of the structure which may be nearing the end of its useful life. The bridge that spans the dam has become a main access route for recreation seekers and was not originally designed for high traffic use. An enlargement of the existing embankment may require a new crossing that would alleviate the District's safety concern with the bridge.

The 2007 Level II Upper Green River Storage Study hydrologic model results revealed an average annual irrigation water shortage of 26,980 acre-feet (1971-2003) on Willow Creek and the West Fork New Fork River above Pine Creek. Coincidentally, the model completed for the 2001 Green River Basin Plan reported that under "normal" hydrologic conditions, 122,181 acre-feet of water was available for additional appropriation on the West Fork New Fork River above Pine Creek. Further, the 2001 Basin Plan offered that an enlargement of New Fork Lake Dam of up to 46,070 acre-feet was a potential site listed in the 75 sites proposed as part of that report.

Past studies that have looked at opportunities to increase storage in the Upper Green River Basin have focused on the west side of the basin. This present proposal would offer an opportunity to further investigate increased storage potential in a portion of the basin lacking much previous study.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $300,000, from the Dams and Reservoirs Program, to complete a Level II, Phase I Storage Feasibility Study.

124. **PROJECT:** **Newcastle 2015**
LEVEL: New Application (Level III)
SPONSORS: City of Newcastle
LOCATION: Weston County
PROGRAM: New Development

EXISTING LEGISLATION:
None

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 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to Level III status in the New Development Program with an appropriation of $616,400. This will be a grant for 67% of the costs with 33% of the costs being provided by the Sponsor.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	46	1997	I	$ 500,000	Complete
Level II	82	1998	I	$ 140,000	Complete
Level II	81	1999	I	$ 420,000	Complete
Level III	96	2000	I	$2,200,000	Complete

PROJECT INFORMATION:
The City is requesting funding for the drilling of a new Madison aquifer production well. A Level II test well will be drilled to an approximate depth of 3,000 feet. An additional well will 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated in the New Development Program at Level II status with an appropriation of $1,450,000.

126. PROJECT: North Fork Shoshone Water Supply

LEVEL: I
SPONSOR: Northwest Rural Water District
LOCATION: Park County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$150,000	2016

PROJECT INFORMATION:
The North Fork area does not have a regional potable water supply system. The Level I study was to look at alternatives for a regional water supply system. Originally the application was rejected by the Wyoming Water Development Commission and Select Water Committee. When the Omnibus Planning Bill was going through the legislative process the project was amended to the legislation and the study was funded. Many area residents opposed the study and began a petition drive. At the scoping meeting there were roughly 200 residents in attendance to express their support and lack of support for the study. It became evident that there was significant opposition to the study. At the August 2014, WWDC meeting, the study was suspended by the Commission and the Commission directed the Office to develop a questionnaire to be sent to every land owner in the area to determine support for the continuation of the Study. There were 1,109 unique parcels identified in the area and 637 questionnaires were sent to the land owners. 839 responses to the questionnaire were received by the Office; 198 yes votes were received while 641 no votes were received. Due to the significant opposition to the study, action will be taken to defund, and finalize the study.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the remaining funds in the amount of $113,036.38 be reverted in the upcoming legislative session

127. PROJECT: North Platte Water Yield Analysis

LEVEL: I
SPONSOR: Joint Agriculture, State and Public Lands and Water Resources Committee
LOCATION: Upper North Platte River Basin, Wyoming
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$75,000	2015

PROJECT INFORMATION:
During discussions regarding the impacts of the bark beetle (mountain pine and spruce beetles) on the Medicine Bow Forest in Wyoming, the Joint Agriculture Committee discussed the possibility of estimating the increased yields and changes in the timing of runoff in the Upper North Platte Basin. The area of study would be Upper North Platte River Basin upstream of the Sinclair gage above Seminoe Reservoir. However, runoff in this area affects the entire North Platte basin.

The concept is to update the previous work of C.A. Troendle, who completed similar water yield analysis to estimate the effects of Forest Service activities on the streamflow regime in the Platte River Basin. Dr. Troendle was retained by the USDA Forest Service, Rocky Mountain Region, and the U.S. Bureau of Reclamation to complete these studies beginning in 2000. If the funding is approved, it is envisioned that the analysis would be completed by Mr. Troendle under a sole source contract. The previous work completed by Dr. Troendle would serve as a benchmark for the water yield with the forest condition prior to the beetle infestation. The proposed study would be based on the current status of the forest. The comparison of the previous work and the proposed 2012 analysis will provide insight into the impacts of the beetle infestation.

The final product was received in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

128. PROJECT: Northwest Rural Northern Expansion

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III-I	14	2012	I	$ 281,400	2017
Level III-II	1	2013	I	$3,690,025	2017

PROJECT INFORMATION**:**
The North End Water Users (NEWU) has historically provided water to its users from three shallow wells located a few miles from Powell, Wyoming. In recent years, elevated nitrate levels in two of the wells have prompted the district to occasionally suspend using those wells. The NEWU has been in negotiation with Northwest Rural Water District (sponsor) to have the latter provide water and take over the operations of the water supply system. It has been concluded that the entire NEWU water delivery and storage system needs to be replaced to provide satisfactory service to the water users and reduce excessive maintenance and mismatched pressure zones.

In 2012 the WWDC recommended the project be incorporated into the New Development program at Level III-Phase I status with an appropriation of $281,400, in 2013 the WWDC recommended that the project be advanced to receive Level III-Phase II funding with an appropriation of $3,408,625. The financing plan includes a 67% grant to be used for design, permitting, land acquisition, and related preliminary activities. The sponsor also obtained matching design phase grant funds from the State Land Investment Board.

The design, permitting and construction bidding for the project was completed in 2013. Construction on the project started in November 2013 and is expected to be completed in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

129. PROJECT: Nowood River Storage – Alkali Creek

LEVEL: II
SPONSOR: Nowood River Watershed Improvement District (formation pending)
LOCATION: Washakie and Big Horn Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

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

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.

The recommendation stemming from the current Level II, Phase II Storage Feasibility Study is to pursue the Alkali Creek site as the preferred alternative to address shortages on the lower Nowood River and associated tributaries of Paint Rock and Medicine Lodge Creeks. The proposed reservoir, located off-channel on Alkali Creek, will be filled with flows from Paint Rock and Medicine Lodge Creeks through the enlargement and modification of an existing irrigation ditch. The reservoir will have a total capacity of approximately 7,600 acre-feet, of which 5,500 acre-feet will serve as a supplemental irrigation supply, leaving a 2,100 acre-foot minimum pool for habitat, fishing and recreational use. Additionally, the reservoir will provide some flood control and by enhancing stream flow, have the potential to positively influence downstream riparian vegetation for the benefit of fisheries and wildlife.

Based on the results of the feasibility study of the Alkali Creek Reservoir alternative, the Nowood River Steering Committee, is in the process of forming a watershed improvement district. The soon to be formed District is requesting Level II, Phase III funding to begin permitting and final design of the Alkali Creek Reservoir alternative. Furthermore, 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 is also being pursued.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $4,000,000, from the Dams and Reservoirs Program, to begin Level II, Phase III permitting and final design of the Alkali Creek Reservoir site.

130. PROJECT: Nowood River Storage – Meadowlark Lake

LEVEL: II
SPONSOR: Nowood River Watershed Improvement District (formation pending)
LOCATION: Washakie and Big Horn Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

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

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 design and permitting 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 is in the process of forming a watershed improvement district. The soon to be formed District is concurrently requesting Level II, Phase III funding to begin permitting and final design of the Alkali Creek Reservoir alternative. 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. Therefore, the District would like to request 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 will 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.

<u>RECOMMENDED LEGISLATIVE ACTION</u>:
The WWDC recommends additional funding, in the amount of $300,000, from the Dams and Reservoirs Program, to continue the current Level II, Phase II Storage Feasibility Study and provide further investigation of Meadowlark Lake so a determination can be made as to whether or not to pursue permitting and final design in the future.

131. PROJECT: Opal Master Plan

LEVEL: New Applicant (Level I)
SPONSOR: Town of Opal
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	36	2000	I	$30,000	Complete
Level II	86	2001	I	$90,000	Complete

The WWDC 2000 Level II, Phase I study and 2001, Level II, Phase II study were conducted in direct response to an EPA mandate for the Town to treat its existing source supply (Flouride content above Safe Drinking Water Primary Maximum Contaminant Level). As such, these studies were not directed toward a comprehensive assessment of the existing condition and future needs of the Town's water system. The Town's submission of an application is to remain compliant with the grant funding received [January 2014] from the State Land and Investment Board. A condition for approval of the grant was for the Town to "…Engage the WWDO to perform a Level 1 Study of the Town's water system." A WWDC Level I Master Plan Study at this time will meet that requirement and fulfill the SLIB director's recommendation.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated in the New Development Program at Level I status with an appropriation of $100,000.

132. PROJECT: Owl Creek Water Supply

LEVEL: III
SPONSOR: Owl Creek Water District
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	I	$ 75,000	2008
Level II	33	2008	I	$ 75,000	2009
Level III	68	2010	I	$3,182,500*	2015

*67% Grant

PROJECT INFORMATION:
The 2008 Legislature appropriated $75,000 to complete a Level II study to define the interested water users and design a water supply system that would satisfy the needs of potential water users northwest of the town of Thermopolis. The Level II study defined the water users interested in participating in a Level III project and completed a preliminary design to bring water from Thermopolis to these water users. The water users are seeking funding to build two of the four phases of the project proposed in the Owl Creek Water Supply, Level II study. The first two phases that will be built will deliver water from a new tank constructed under the Thermopolis Storage Replacement and Rehabilitation Project. The transmission pipeline will follow Highway 120 (Meeteetse Highway) out of Thermopolis to accommodate users at the Sage Valley subdivision and

other users along the highway. The transmission line will continue along the highway towards Meeteetse and ends near the Hamilton Dome road. Additional storage and pumping facilities is included in the project. The Town of Thermopolis has documented it will supply water to the district.

In 2010, the legislature appropriated a $3,182,500 grant for 67% of the project eligible costs. The District has secured a Community Block grant, a SLIB grant, a bank loan, and a SRF loan for the remaining project costs.

In 2011, the District secured the services of an engineer and started the design of the project. During 2012, the water agreement, project easements and project design was completed. The project entered the bidding phase.

During 2013, the project received favorable bids and entered construction. The initial phase of the project has been constructed and users in the District are receiving water. The next phase of the project will provide a transmission line down Missouri Flats road to additional users in the Owl Creek District.

Phase II of the project was successfully designed, bid and awarded in 2014. The project construction has proceeded in a timely manner and is anticipated to be completed in 2015. The Contractors, Town, Engineer, SRF and WWDC have worked together to build a beneficial project for the District. The completion of Phase II will complete the Owl Creek Water Supply project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

133. PROJECT: Pavillion East Water Supply

LEVEL:	III
SPONSOR:	State of Wyoming
LOCATION:	Fremont County
PROGRAM:	New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	14	2012	I	$750,000	2017
Level III	100	2014	I	$300,000	2017

PROJECT INFORMATION:
In August 2010, the U.S. Environmental Protection Agency (EPA) advised rural residents located to the east of the Town of Pavillion to not drink water from their private wells. The area of concern covers an area in Fremont County of approximately 8 square miles.

The Level III appropriation of $750,000 was approved in 2012 to design and construct cistern systems for the rural residents located in the area east of the Town of Pavillion to help provide a replacement water supply to local residents. In return for a cistern, the rural resident in the 23 square mile area would sign an access agreement to allow the Wyoming Department of Environmental Quality (WDEQ) to collect samples from private wells as part of an on-going groundwater investigation in the Pavillion area. The construction of a water-loading station in the Town of Pavillion was also part of the appropriation.

The Pavillion East Water Supply Level III construction project commenced in October 2012. The construction contractor was selected by the design-builder in October 2013 and construction of the Town of Pavillion water-loading station commenced in December 2013. A total of 18 cistern systems were installed under the Phase I construction project from January to March 2014. An additional 13 landowners signed contracts by March 25, 2014, for Phase II cistern systems to be constructed in 2014-15 (total of 31 system cistern systems; 18 Phase I and 13 Phase II cistern systems).

An additional appropriation of $296,268 was approved in 2014 to design and construct the 13 Phase II cistern systems. Construction of the Phase II cistern systems is scheduled to commence in December 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

134. PROJECT: Pavillion Water System Improvements

LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Fremont County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$100,000	2012
Level III	141	2013	I	$214,500	2018

PROJECT INFORMATION:
In August 2010, the U.S. Environmental Protection Agency (EPA) advised rural residents located to the east of the Town of Pavillion not to drink water from their private wells. The $173,500 2010-2012 Level I planning study identified long-term solutions to the local water supply problems. The final Level I project report was completed in October 2011 and the extended Level I final report was completed in August 2012.

The Pavillion Level II study was conducted to develop conceptual designs and cost estimates to assess the quantity and quality of the Town of Pavillion's water system to provide water for rural residents living east of the Town and conceptual designs and cost estimates for a water-loading station located within the Town of Pavillion. The Level II study commenced in early 2012 and a draft report was completed and submitted for review by late October 2012.

The Town is now proceeding with water system improvements through the 2013 Level III appropriation. The Level III project upgrades the existing wells, improves wellhead protection, connects the Town's wells directly to transmission lines, provides a SCADA system to improve operational control, and removal an existing standpipe tank.

The Town returned the signed agreements in November 2013 and design is complete. The project should be completed in late 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

135. PROJECT: Pine Bluffs North Well Field

LEVEL: Level III
SPONSOR: Town of Pine Bluffs
LOCATION: Laramie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Expenditure	Due Date
Level III	100	2014	I	$1,811,000*	2019

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

PROJECT INFORMATION:
The Town of Pine Bluffs was recently 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 farm land 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 will purchase 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

136. PROJECT: Pine Haven Well and Tank

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Town of Pine Haven water system supply is two groundwater wells completed into the Madison Formation. Their water right allows for a total combined quantity of 88 acre-feet on an average annual basis and a combined total of no more than 100 acre-feet in any one calendar year. Average annual water usage from 2004 – 2010 is approximately 65.7 acre-feet. Peak demand on the well field is 173 gpm; maximum combined well capacity is 670 gpm; current pumping equipment provide combined flow rates of 380 gpm. There is one 250,000 gallon storage tank on the existing system. The 2010 population was 490 people.

A Level II Feasibility Study was requested by the Town of Pine Haven to evaluate solutions to their low pressure problems. Relocation of storage is one alternative, but to convey water from their existing wells directly to a new storage location might be more expensive than drilling a new well near a new tank. This study examined alternative solutions and recommend the most practical alternative. The current storage system does not provide adequate pressure to all points of delivery within the water system. An upgraded system could improve pressures and fire protection, depending on existing pipeline capacities, and an expanded storage component would provide service to a larger population. This project was completed in 2014.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the New Development Program with an appropriation of $2,077,000. The recommended financing plan includes a 67% grant with the Sponsor responsible for 33% of the project budget.

137. PROJECT: Pinedale Hydropower Study

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	I	$125,000	2016

PROJECT INFORMATION:
The study will update the previous hydropower study and include a new alternative to consider a low head dam structure where a previous hydropower plant was located. The project has been started, and the initial scoping meeting has been held and the project is moving forward.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

138. PROJECT: Piney & Cruse Canal Piping

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	04	34	II	$ 73,200	2005
Level III	100	2014	II	$855,000	2019

PROJECT INFORMATION:
The Piney Cruse Creek Ditch Company Irrigation District 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 in addition to 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. Currently, the project is in design and is expected to go to construction in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

139. PROJECT: Piney Cruse Diversion

LEVEL: II
SPONSORS: Piney Cruse Creek Ditch Company Irrigation District
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	II	$75,000	2016

PROJECT INFORMATION:
The Piney Cruse Creek Ditch Company Irrigation District 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. The District is requesting a Level II Feasibility Study of the South Piney diversion and conveyance system to determine rehabilitation or replacement alternatives and cost estimates. There was reconnaissance level study done for this area titled Meade Creek Ditch Rehabilitation, June 2005. The final report is expected in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

140. PROJECT: Platte River Basin Plan - Groundwater

LEVEL: I
SPONSOR: WWDC
LOCATION: Platte River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$250,000	2013

PROJECT INFORMATION:
Groundwater is an important resource in Wyoming's Platte River Basin. Surface water in the basin is fully appropriated and future developments may need to rely on groundwater. The Water Development Office recently completed a detailed evaluation to update the groundwater portion of the previous basin plan to provide more detail on the groundwater resources of the basin and its availability.

An agreement was developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System to conduct the study. The Study was completed in the spring of 2014 and is available on the Water Plan website for download.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

141. PROJECT: Platte River Basin Plan Update

LEVEL: I
SPONSOR: WWDC
LOCATION: Platte River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
State Water Plan	125	2003	I	$600,000	2006
Platte River Basin GW	66	2009	I	$250,000	2010
Platte River Basin Plan	74	2014	I	$350,000	2016

PROJECT INFORMATION:
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, providing water use data, hydrologic modeling, demand projections, and future water use opportunities statewide.

With the ten year anniversary of the 2007 Framework Water Plan rapidly approaching it was once again time to begin the Platte River Basin Surface Water Plan update. To that end, in 2014 the Legislature approved funding for the Platte River Basin Plan Update. This will include an update of all the information that was developed in the first Platte River Basin Plan and the development of Sub-basin Hydrologic Models for dry, wet, and average flow conditions. Hydrologic models were not included in the 2006 plan. The project is currently on schedule with an estimated completion date of June 2016.

For more information on the River Basin Plans, please refer to the State Water Plan Section later in this chapter.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action required at this time.

142. PROJECT: Powder/Tongue Northeast Groundwater Analysis

LEVEL: I
SPONSOR: WWDC
LOCATION: Powder/Tongue and Northeast River Basins
PROGRAM: New Development

EXISTING LEGISLATION:
None

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. These groundwater studies are now being initiated for the Powder/Tongue and Northeast River Basins.

The 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $275,000.

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

LEVEL: I
SPONSOR: WWDC
LOCATION: Powder/Tongue and Northeast River Basins
PROGRAM: New Development

EXISTING LEGISLATION:

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

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $375,000.

144. PROJECT: Probable Maximum Precipitation Study

LEVEL: I
SPONSOR: WWDC
LOCATION: Statewide
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	1	2011	III	$550,000	2014
Level I	66	2013	III	$250,000	2014

Note: The NRCS contributed $70,000 to assist with the project.

PROJECT INFORMATION:
A major cost component for the construction of a new dam often includes the construction of a service and emergency spillway at high hazard and significant hazard dam sites. A high hazard dam exists when loss of life may occur due to a dam failure. A significant hazard dam exists when a loss of a million dollars or more is experienced due to dam failure. If a dam is classified as being either a high or significant hazard dam, probable maximum precipitation (PMP) estimates are necessary for computing the probable maximum flood (PMF) which is used to size the spillway facilities.

The current standards for computing the PMP are outlined in Hydro-meteorological Reports (HMRs), which were compiled by federal agencies. Three HMRs apply to the State of Wyoming. None of the HMRs, applicable to Wyoming, deal well with differences in local terrain (elevation). The influence of terrain has been proven to drastically influence precipitation estimates.

To take advantage of additional climate and large storm data now available (as measured from the time the existing HMRs were written), several states, including Arizona, Nebraska, Montana, Colorado, and New Mexico, have undergone the expense of conducting new PMP studies. As a result of the PMP studies, the sizes of reservoir spillways have been reduced by 20 to 40 percent.

Recent written communication from the State Engineer's Office (SEO) indicates that dams in the state are showing age and that spillway design for high or significant hazard dams must use either the full PMF or ½ PMF, respectively. The SEO notes that significant savings would be available for owners of high and significant hazard dams, provided that the state undertakes a PMP study that would provide justification for design and construction of smaller, less expensive spillways.

The scope of work includes compilation of extreme precipitation events on which the PMP analysis is based. The development of a statewide and basin-specific precipitation analysis tool, which would be used to provide isohyetal maps for several return periods, is also included. The isohyetal maps would reflect various storm types, durations, and area sizes. For acceptance of the results, the study is undergoing a peer review. The peer reviewers include representatives from the scientific community and representatives from federal agencies.

During the peer review, the Board of Consultants (those conducting the peer review) suggested that Wyoming consider expanding the scope to include warm and cool season analyses to more accurately account for snowfall and to more accurately estimate its influence when it comes to sizing dam and reservoir spillways. The cool-season analysis should focus on the rain-on-snow phenomena that occasionally occur in the spring. The study also incorporates the major convective storm which caused food damage along the Colorado Front Range during fall 2013.

The study was awarded a 6-month time extension during 2014. In November 2014, the draft report and final PMP results were issued for this study which are currently under review. This project is on schedule and on budget with a final report expected to be issued before December 31, 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

145. PROJECT: Riverton Valley Rehabilitation 2013

LEVEL: III
SPONSOR: Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$ 40,000	2002
Level III	141	2013	II	$137,000	2018

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 Riverlane lateral projects. Since the 2013 appropriation, the RVID has experienced problems with its main headgate structure located on the Wind River. RVID has requested that they 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. The anticipated cost to repair the headgate structure is anticipated to be $15,000 to $20,000. There is approximately $80,000 remaining in the existing appropriation.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends adding the headgate structure and needed appurtenances to the 2013 appropriation project description. The recommended legislative action does not include a funding increase.

146. PROJECT: Riverton Valley Rehabilitation 2014

LEVEL: III
SPONSOR: Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$ 40,000	2002
Level III	141	2013	II	$136,680	2018

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 requested funding 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 project is progressing and should be completed by the summer of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

147. PROJECT: Riverton Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	II	$ 125,000	2008
Level III	38	2009	I	$4,958,800*	2015
Level III	66	2010	I	$2,125,200*	2015

* 67% grant, 10% loan, 23% sponsor

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 $9,200,000 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 has been delayed by problems in receiving materials and should be completed in early 2014. Phase IV (valves and vaults) design will be completed in 2014 with construction to begin in late 2014. Phase V (pressure zone 4 transmission pipeline) will be designed by late 2014 with construction to follow in the spring of 2015.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III appropriation by $ 2,772,000, from $7,084,000 to $9,856,000. The financing plan will remain a 67% grant and 10% loan to be used for design, permitting, and construction. The sponsor is responsible for the remainder of the project costs.

148. PROJECT: Rock River Transmission Line Replacement

LEVEL: III
SPONSOR: Town of Rock River
LOCATION: Albany County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

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

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 transmission line (DIP) 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.

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. Design on the project has begun and construction is expected to be completed in late 2015.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

149. PROJECT: Rolling Hills Water Supply

LEVEL:	III
SPONSOR:	Town of Rolling Hills
LOCATION:	Converse County
PROGRAM:	New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	32	2010	I	$ 250,000	2011
Level III-I	14	2012	I	$ 160,000*	2017
Level III-II	100	2014	I	$1,184,000	2017

* 67% grant, 33% loan

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 Level I study completed in 2011 included water system mapping and a prioritized list of needed improvements with cost estimates. The Town of Rolling Hills is requested funding for a Level III water supply project to install a new water storage tank (300,000) to eliminate the need for pressure booster pumps and to upgrade the well field to decrease the time and expense required for water system operation and maintenance. The project will provide adequate gravity-feed pressure in the Town's system and avoid the use of pressure booster pumps and avoid the redundant pumping of the water supply in the existing system.

In 2011, the WWDC recommended that the project progress to Level III-Phase I status with an appropriation of $160,000 to complete project design, permitting, and land acquisition. The financing plan includes a 67% grant and 33% loan with an interest rate of 4% and a term of 30 years.

In 2013, the WWDC recommended this project be further advanced in the New Development Program to Level III-Phase II with an appropriation of $1,184,000 for eligible portions of construction, materials, and construction oversight costs. It is anticipated this project will be completed during 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

150. PROJECT: Savery Creek Diversions Phase II

LEVEL III
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	141	2013	II	$1,900,000	2018

PROJECT INFORMATION:
The Savery-Little Snake Water Conservancy District requested funding to replace two diversion structures on Savery Creek that have failed due to recent 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 production agriculture 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 ongoing Level III project located in the lower main-stem of the Little Snake River Valley near Baggs, Wyoming that is currently under construction. Although it includes the 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 services for these projects. The project agreement has been signed. Design is nearing completion for two of the structures with construction estimated to start in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action recommended

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

LEVEL: New Application (Level III)
SPONSOR: Savery – Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:
None

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 District proposes 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 and has requested a 67% grant of $871,000 and will supply the remaining 33% matching funds for the project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced into the Rehabilitation Program at Level III status with an appropriation of $871,000 in the form of a 67% grant with the Sponsor responsible for 33% of the project budget.

152. PROJECT: Shell Valley Storage - Leavitt Reservoir

LEVEL: II
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	III	$300,000	2010
Level II	32	2010	III	$250,000	2016
Level II	57	2012	III	$350,000	2016
Level II	66	2013	III	$150,000	2016
Level II	74	2014	III	$150,000	2016

PROJECT INFORMATION:
The Shell Valley watershed is approximately 370,000 acres with land ownership divided among private, State, BLM, and Forest Service. Shell Creek begins in the Big Horn Mountains and flows in a westerly direction until it empties into the Big Horn River below the town of Greybull. There are approximately 15,000 acres of irrigated lands within the watershed. The watershed includes one primary river system, the main stem of Shell Creek, and its primary tributaries including Trapper Creek, Horse Creek, and Beaver Creek. There are several reservoirs in the watershed, most notable being Lake Adelaide and Shell Reservoir. However, irrigation shortages still exist.
During the 2006 Budget Session, the Shell Valley Watershed Improvement District requested and received funding for a Level I Watershed Study. 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 2010. The storage component of this study identified potential water development opportunities.

During the 2010 Budget Session, the Shell Valley Watershed Improvement District requested and received funding for a Level II Storage Feasibility Study to further explore storage opportunities identified in the Level I Watershed Study. The Level II study evaluated storage opportunities capable of providing additional irrigation water in areas not served by existing reservoirs. The Level II study focused primarily on hydrologic analysis, needs for supplemental water, and site investigations to determine the most viable and least environmentally damaging storage locations. Results of the study were positive and showed that the Upper Leavitt Reservoir alternative appears to be the most feasible site and potentially the preferred alternative.

During the 2012 Budget Session, the Shell Valley Watershed Improvement District requested and received additional funding for a Level II, Phase II Storage Feasibility Study to further refine data on the Upper Leavitt Reservoir alternative. The additional study focused primarily on hydrologic model refinement, beneficiary identification, site survey, geotechnical and environmental investigations and economics to further determine the feasibility of the preferred alternative. Upon preliminary analysis, the Upper Leavitt site remained the preferred reservoir alternative, however, wetland delineation acreage was higher than expected. For this reason, it was recommended to collect further information on Coyote Draw, an alternative reservoir site, and bring it up to the same level of analysis should NEPA take the project in that direction. Funds from the 2012 Phase II appropriation were reallocated to cover the work. A Sage Grouse DDCT analysis and wetland delineation of Coyote Draw took place. Based on results of this DDCT analysis, the proposed Coyote Draw Reservoir project would not be in compliance with the Governor's EO because total surface disturbance (5.23%) is >5%. Some of the disturbance was associated with a BLM prescribed burn and had the potential to be removed as disturbance, which could have brought total surface disturbance into compliance. Wetland delineation showed less impact on Coyote Draw than Upper Leavitt. However, after conversations with BLM, it was determined that Coyote Draw, a very important paleontological site for research, would most likely not be considered a viable alternative in the NEPA process.

Geotechnical drilling of the Upper Leavitt site proceeded concurrently. Due to the potential for significant paleontological resources in the area, the BLM NEPA requirements for drilling authorization were quite laborious. Before this was known, an additional appropriation was requested as part of the 2013 General Session in the amount of $150,000 to cover additional expenses associated with the Coyote Draw analysis. After it was determined that Coyote Draw would not be a feasible alternative to Upper Leavitt, the remaining funds were reallocated to analyze the Upper Leavitt site. Geotechnical drilling of the Upper Leavitt site had proceeded during the fall/winter of 2012. Evaluation identified slickenslides in the foundation. A slickenslide is a polished fracture where movement previously occurred. A potential risk with developing a dam and reservoir at the site is that if a continuous slickenslide is present, strength along the feature could be low. However, based on laboratory analyses of the material and field observation, the unit containing the slickenslide showed stability and contradicted expected behavior. An expert geologist, with experience in this field, was consulted to provide a second opinion. As a result of the foundation findings, additional geotechnical exploration was proposed. Once again, funds were reallocated to focus on whether or not geology was a fatal flaw for the Upper Leavitt site.

Additional geotechnical drilling was completed in 2013. Indications were that the slickenslides were not continuous and therefore not a significant concern. However, foundation materials were variable and areas of weakness warranted more conservative dam slopes. With the reallocation of funds to analyze issues crucial to the feasibility of the Upper Leavitt Reservoir site, additional funds were requested and received during the 2014 Budget Session to further evaluate geotechnical considerations, refine data based on the new findings and complete the Level II, Phase II Storage Feasibility Study.

The recommendation stemming from the current Level II, Phase II Storage Feasibility Study is to pursue the Upper Leavitt Reservoir site as the preferred alternative to address shortages on Beaver and Shell Creeks. The proposed reservoir, located off-channel, replaces the existing Leavitt Reservoir (≈600 acre-feet) and will be filled with flows from Beaver Creek through the enlargement and modification of the present reservoir feeder ditch. The reservoir will have a total capacity of approximately 5,900 acre-feet, of which 4,900 acre-feet will serve as a supplemental irrigation supply, leaving a 1,000 acre-foot minimum pool for habitat, fishing and recreational use.

Additionally, the reservoir will provide some flood control and by enhancing stream flow, have the potential to positively influence downstream riparian vegetation for the benefit of fisheries and wildlife.

Based on the results of the feasibility study, the Shell Valley Watershed Improvement District is requesting Level II, Phase III funding to begin permitting and final design of the Upper Leavitt Reservoir alternative.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $4,500,000, from the Dams and Reservoirs Program, to begin Level II, Phase III permitting and final design of the Upper Leavitt Reservoir site.

153. PROJECT: Sheridan 4 MG WTP Tank

LEVEL: New Application (III)
SPONSOR: City of Sheridan
LOCATION: Johnson County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	141	2013	I	$1,566,460*	2018
Level III	100	2014	I	$ 148,000*	2018

*67% Grant

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

The City is seeking 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 year's 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

A recommendation is being made to provide grant funding from the Rehabilitation Program of $2,144,000 (67% grant) for the eligible WWDC costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the Rehabilitation Program with an appropriation of $2,144,000. The recommended financing plan includes a 67% grant with the Sponsor responsible for 33% of the project budget.

154. PROJECT: Sheridan Leopard Street Pipeline

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	141	2013	I	$1,566,460*	2018
Level III	100	2014	I	$ 148,000*	2018

*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.

The City is seeking 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.

A recommendation is being made to provide grant funding from the New Development Program of $2,211,000 (67% grant) for the eligible WWDC costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the New Development Program with an appropriation of $2,211,000. The recommended financing plan includes a 67% grant with the Sponsor responsible for 33% of the project budget

155. PROJECT: Sheridan North Loop Transmission Line

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	141	2013	I	$1,566,460*	2018
Level III	100	2014	I	$ 148,000*	2018

*67% Grant

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

The City of Sheridan requested funding for the construction of 2.8 miles of 16-inch PVC transmission main to serve the north/northwest part of the Sheridan water system. The pipeline will provide additional supply capacity, fire flow delivery and system redundancy through a hydraulic connection between two major parts of the water system. The pipeline will also provide service to the Sheridan Community College Agricultural Facility and to the proposed Native American Indian, Alaskan & Hawaiian Educational Development Center.

In 2013, the City of Sheridan received a Level III New Development project with an appropriation of $1,566,460 (67% grant).

The project has progressed in a timely manner incorporating the requirements of the City, the Community College and WWDC. During 2013, the project secured the necessary easements, finalized the design, and acquired the necessary permits.

Additionally during 2013, at the 50% and 90% review level, the engineering consultant updated the Engineer's Opinion of Probable Cost for the Sheridan N. Loop Transmission Line Project. This cost estimate identified project costs had increased over the original project budget. This budget was the basis for the 2013 legislative funding appropriation. The project cost increase was primarily due to (i) an unstable hillside location requiring an additional bury depth and construction through a potentially rocky area, and (ii) the need for some additional pipeline. In 2014, WWDC appropriated an additional $148,000 to cover the increase in project costs.

In 2014, the project was successfully bid, awarded and entered construction. Project construction has progressed in a timely manner and has met the requirements of the City, landowners, WWDC and the new Sheridan Community College Agricultural Facility. The Contractor, City, Engineer, and WWDC have worked together to build a beneficial project for the City. The project is nearing completion and is anticipated to reach final completion in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

156. PROJECT: Sheridan Supplemental Storage Level III

LEVEL: III
SPONSOR: Sheridan Area Water Supply Joint Powers Board/City of Sheridan
LOCATION: Sheridan County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	66	2009	III	$350,000	2010
Level II	57	2012	III	$250,000	2014

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 recently 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 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.

The Sheridan Area Water Supply Joint Powers Board/City of Sheridan are seeking a grant of $5,628,000 from 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. 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $5,628,000, from the Dams and Reservoirs Program under Level III, to acquire storage within Park Reservoir, should it become available, on a willing seller, willing buyer basis.

157. PROJECT: Shoshone Irrigation District Rehabilitation 2013

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	II	$300,000	2008
Level III	141	2013	II	$795,000*	2018

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the Shoshone Irrigation District 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 Rehabilitation 2013 Project consists of replacing two concrete drop structures on the Garland Canal, and replacing four ditch segments with buried pipe. Construction of Laterals 7V 9-16, 12T, and 16T 16-19, and Garland Canal Drop #27 is complete. Materials purchase and construction of Lateral 16T 6-14 and Garland Canal Drop #22 is underway and should be completed prior to the 2015 irrigation season. This will complete the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

158. PROJECT: Shoshone Irrigation District Rehabilitation 2015

LEVEL: New Application (Level III)
SPONSOR: Shoshone Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	II	$300,000	2008

PROJECT INFORMATION:
The WWDC has systematically provided funding to the Shoshone Irrigation District 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 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 is likely in the fall of 2015 and then continuing in the fall of 2016 with project completion in 2017.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Shoshone Irrigation District Rehabilitation 2015 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $290,000. The financing plan includes a 100% grant to be used only for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

159. PROJECT: Sidon Irrigation District Rehabilitation 2014

LEVEL: Level III
SPONSOR: Sidon Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$109,000*	2019

*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 four ditches with pipe. The sponsor will construct the facilities and will finance the engineering, land rights, and permits, and provide labor, equipment, and other resources necessary for construction of the project.

The project consists of replacing four ditch segments with buried pipe, representing a total of about 5,100 feet of pipe. Construction is underway and will be complete prior to the 2015 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is necessary.

160. PROJECT: Small Water Development Projects

LEVEL: III
SPONSORS: Numerous
LOCATION: Statewide
PROGRAM: New Development and Rehabilitation

EXISTING LEGISLATION-New Development

Purpose	Chapter	Session	Account	Appropriation	Due Date
Small Projects	88	2002	I	$500,000	
Small Projects	118	2004	I	$750,000	
Small Projects	114	2005	I	$500,000	
Small Projects	32	2010	I	$200,000	
Small Projects	14	2011	I	$300,000	2014
Small Projects	100	2014	I	$600,000	2025

EXISTING LEGISLATION-Rehabilitation

Purpose	Chapter	Session	Account	Appropriation	Due Date
Small Projects	88	2002	II	$500,000	
Small Projects	118	2004	II	$750,000	
Small Projects	114	2005	II	$500,000	
Small Projects	32	2010	II	-$200,000	2014
Small Projects	100	2014	II	$300,000	2025

PROJECT INFORMATION:

Pursuant to W.S. 99-3-703(j)(vii) and 99-3-704(g)(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 thousand dollars ($135,000.00) or less and where the maximum financial contribution from the WWDC is twenty-five thousand dollars ($35,000.00) or less.

Projects may include new development or rehabilitation of small reservoirs, pipelines, wells, windmills, springs, wetland developments, solar platforms, and irrigation conveyance 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.

The 2007 Legislature placed a hold on authorization of any new small water projects on or after April 1, 2010. The 2010 Legislature transferred $200,000 from Rehabilitation Account II to New Development Account I to keep the programs active and balance the available funds in the New Development and Rehabilitation Accounts without increasing the total investment in the Small Water Project Program. Also, the Small Water Project Program was extended to July 1, 2025.

Following is a listing of projects approved in 2003:

Account I – New Development	Account II - Rehabilitation
Diamond S Ranch Pipeline*	Russell Ranch Pipeline*
Central Well*	Diamond S Ranch Well*
Big Bend Pasture Well*	Big Sandy Pipeline*
Emigrant/Four Mile Pits*	Coyote Reservoirs*
Perino Pipeline*	Cabin Creek Water Development*
Gooseberry Creek Ranch Well*	TY Ranch Pipeline*
Big Horn River Ranch Pipeline*	Old Steve Adams Duck Pond*
East Dry Creek #1 Well*	Poison Buttes/Cottonwood Ponds*
Crowfoot Ranch Well*	Jones Water Project*
Jensen Wash Well*	Dixon Summer Project*
Migration Well*	Croonberg Water Development*
Asperation Well*	
Gasson Well #2*	
Bench Well*	
Four Mile Gulch Well*	
Bad Land Well*	
Twelve Mile Sink Well*	
Lombard Well*	
Emigrant Well*	
Blue Forest Well*	

Following is a listing of projects approved in 2004:

Account I – New Development	Account II – Rehabilitation
Antelope Hills Water Well*	Henthorne Pipeline*
Range Unit 40 Young Bench Well*	Hay Creek Project*
Aaron Carollow Livestock*	South Coffee Project*

Antone Swanda Well & Pipeline*
Gordon Pries Irrigation Pipeline/Pond*
Cherokee Allotment Ground Water*
Chant Water Well #1*
Springfield Ranch-Laramie Plains*
Butte Water Development*
PH Livestock Fillmore Pasture*
Black Thunder Watershed Project*
Basin Allotment Project*
Dobie Ridge Project*
Muddy Creek Ox Bow Restoration*
Chant Stock Ponds #7 & #8*
Bridger Pass #5 Stock Pond*
Coal Gulch Grade Control/Diversion*
Vineyard Ranch Small Water Project*
RangeUnit40CrowheartButtePipeline*
Range Unit 38 Water Rocks Pipeline*
Double Tanks Pipeline*
Blakely Big Draw*
Jones Bros. 2-B & #8 Reservoirs*
Morrisey Pipeline Rehabilitation*
Big Poddy Creek Pipeline*
Mishurda Mtn.Ranch, Phase2 Pipeline*
Struempf Ponds*
Lodgepole Water Project*
Red Butte Water Project*
Muley Meadows Pipeline*
Little Jack Res., South Flat Top*
Irvine Ranch Small Water Project*

Following is a listing of projects approved in 2005:

Account I – New Development	Account II – Rehabilitation
Upper Nowater Stock Well & Storage*	Six Mile Spring Development*
Hall Butte Reservoir Project*	Canyon Springs Prairie Pipeline*
West Keester Project*	Upper Beaver Creek Pipeline*
	Sun Land & Cattle Co. Project*
	Neiber Pipeline Project*
	Pole Mountain Water Development*

Following is a listing of projects approved in 2006:

Account I – New Development	Account II – Rehabilitation
Bunch-Wetland Restoration*	Baird-Sand Draw Pipeline*
Hall Butte Range Water Development*	Hall Butte Stock Pond Rehab*
Jones Pond #1 Red Hole & Offsite Water*	Henthorne Stock Ponds Rehab*
Jones Pond #2 Red Hole*	Jones Pipeline & Storage Tank*
Jones Pond #3 Red Hole*	Reed Reservoir*
Reed Pipeline*	Russell Ranch Stock Pond Rehab*
Russell Ranch Wetland Restoration*	V-Ventures Boxcars Rehab*
Hibbard Stock Rest Water Development*	V-Ventures West Kirby Pond Rehab*
Kaycee Stock Rest Water Development*	V-Ventures Below Frost Pipeline*
Casey Jones Well*	V-Ventures-Wetland Rehab*
Dull Center Well*	Whitt-Homestead Pipeline*
East Woody & NW Ireton Wells*	Government Reservoir Water Devel*
Frog Creek Well*	JJ Springs Water Development*
Gordon Well*	Mud Springs/Arch Cr Water Devel*
Hardesty Well*	Downs Solar Pipeline*
Hills Well*	East Pasture-South Pipeline*
Iberlin Bobcat Well*	Lona Solar*
Iberlin Solar Well*	Tracy Solar Systems*
Lower Horse Section 35 Well*	2Coyote-East Pipeline*
M Creek Section 26 Well*	2 Coyote Pipeline*
Neumiller Section 15 Well*	2 Coyote Storage*
Neumiller Upper Meadow Portable Solar*	West Horse Underground Pipeline*
North M Creek*	Tracy Wells*
Rock Well*	Rothleutner Stock Tanks*

South M Creek*
Riehle Well*
Rothleutner Solar Well*
Rochelle Hills Spring Development*
West Railroad Well*
Upper Antelope-Coal Bank Pipeline*

Following is a listing of projects approved in 2008:

Account I – New Development	Account II – Rehabilitation
Little Grass Creek Water Development*	
West Prospect, Otty, Urwin Pipeline*	

Following is a listing of projects approved in 2009:

Account I – New Development	Account II – Rehabilitation
Arkansas Creek Stockwater Pipeline*	Jesse Brown Ditch Diversion*
Dickie 21/Bear Cr./Urwin 21 Pipeline	Littlejohn Ditch Turnout*
Grass Creek Divide*	Sawmill Creek Headgate*
Horse Pasture Putney Flat Pipeline*	
LU Farm Pivot Diversion*	
North Prospect Pipeline*	
Pats Draw Pipeline*	
Putney School Section Pipeline*	
Ramul 21 Pipeline	
Reds Creek Pasture Pipeline*	
Spring Gulch Pipeline*	
Wagonhound Spring Pipeline*	

Following is a listing of projects approved in 2010:

Account I – New Development	Account II – Rehabilitation
Coal Bank Pipeline*	Bond #1 Well*
Keyton Creek Spring Development*	Bond #2 Well*
Lower Antelope North Pipeline*	Enterprise Ditch Bifurcation*
Rock well Pipeline*	Kirby Ditch Headgate*
Lower Antelope South Pipeline*	M Creek Pipeline*
West Spring Gulch Pipeline*	North M Creek 14-1 Well*
West Dorr 1-1 Well Pipeline*	
Wohlford TB-6A Well*	

Following is a listing of projects approved in 2011:

Account I – New Development	Account II – Rehabilitation
Pellatz North Well*	Anita Ditch Pipeline*
River Well*	West Allotment Pipeline*
TB 231*	
Lower Frog Creek Well*	
Henthorne Solar Project*	
Jones Pond #2 Diversion Pipeline*	
Jones Wildhorse Spring Pipeline*	
MMR Lake Creek Spring Development*	
MMR Rock Spring Development*	
MMR Towers Spring Development*	
Dam Teresa	
Airport Pipeline*	

West Alkali Pipeline*
East Alkali Pipeline*
Mesa Well

Following is a listing of projects approved in 2012:

Account I – New Development	Account II – Rehabilitation
Beef Pasture Pipeline	Pellatz Spreader*
Canyon Spring*	220 Jacobs TB081B Well*
Cook Spring*	Kruse Ranch Dam*
Edwards-Robinson South*	Jim's Meadow Pipeline*
Hazen Draw Project	Pellatz Pipeline*
214 Jacobs W20-1 Well*	
216 Jacobs W29-1Well	

Following is a listing of projects approved in 2013:

Account I – New Development	Account II – Rehabilitation
BLM Wild Horse	Ashley Wolf Headgate*
Iberlin Pipeline	BLM Reservoir
Oaks Pasture	BLM Solar
Patterson Upland	Ditch Ck. Solar
Reservoir #3	Ditch Creek Irrigation
TB 020B Pipeline	Diversion Point
246 Rothluetner	TB 099B
Dexter Pipeline	Grass Creek Spring
	Scott Ditch Headgate*
	Solar Well*
	TB 261

Following is a listing of projects approved in 2014:

Account I – New Development	Account II – Rehabilitation
East Black Thunder W20-1	Casey Jones 49
TB 17B	TB 200
Coal Mine Spring Development*	TB 256
Elk Mountain Spring Development	Cameron Upland Project 2
Kester Coulee North Pipeline*	Cameron Upland Project 4
Kester Coulee South Pipeline*	Deep Creek Pasture Rehab 1
Otty Wagonhound Pipeline	Deep Creek Pasture Rehab 2
Allen Upland Project 1	Deep Creek Pasture Rehab 3
Allen Upland Project 2	Hog Eye Ranch Little Savery Pasture Stock Pond
Allen Upland Project 3	Johnson Ranch Irrigation Diversion Structure
Cameron Upland Project 1	Stoddard Place Irrigation Water Conveyance
Cameron Upland Project 3	Willow Pasture Pond
Hendry Upland Project 1	Willow Pasture Stock Pond Reconstruction
Baggs Grazing Allotment	Schnoor Reservoir Irrigation Pipeline
Cottonwood Creek	Stinking Water 1 Stock Reservoir Wetland
BLM Sandhills	Deer Hills Solar Conversion
C. Weber Wetland	Dutch Dan Spring
Dexter Peak Ranch Stock Reservoir	EOG Well
H & C Stock Water Well	Fire Spring Rehabilitation
H.B. Lee Irrigation Return Flow Wetland	
Good Luck Well	

Hog Eye Ranch Little Savery Creek New Pasture Pond
Ladder Livestock #1
Muddy Creek Wetland Duck Pond #8
#1 Pat Sheehananigans
PH Livestock Alamosa Gulch
PH Livestock Fillmore Allotment Long Draw
PH Livestock Tipton Allotment Delaney Rim
Steve Adams Irrigation Return Flow Wetland
Weber Ranch Doty Mountain Allotment
McClanahan Well and Pipeline
Shirley Ridge 1 Well and Pipeline
Stinking Water 1Well and Pipeline
Strohecker 1 Well and Pipeline
North Slope Spring
47 Ranch

*Projects completed or expired as of 12/31/14

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that $500,000.00 be appropriated into New Development Account I; $400,000.00 be appropriated into Rehabilitation Account II.

161. PROJECT: Snake/Salt River Basin – Groundwater Analysis

LEVEL: I
SPONSOR: WWDC
LOCATION: Snake/Salt River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	1	2011	I	$250,000	2014

PROJECT INFORMATION:
Groundwater is an important resource in the Wyoming Snake/Salt River Basin. To update the groundwater portion of the previous basin plan and to provide more detail on groundwater resources, the Water Development Office conducted a detailed evaluation of the groundwater resources in the basin. The study included an analysis of groundwater use, storage, and aquifer recharge within the basin. An agreement was developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System, to conduct the study.

The Snake/Salt River Basin Groundwater Project was completed on schedule in the spring of 2014 and is available on the Water Plan Website for download.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

162. PROJECT: South Big Horn County Rural Water District Expansion

LEVEL: Level II
SPONSOR: South Big Horn County Rural Water District (SBHCRWD)
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III*	206/59/38	1995/1996/1998	I	$ 6,230,000	Complete
Level II	74	2014	I	$ 100,000	2015

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

PROJECT INFORMATION:
SBHCRWD was a founding entity for eastern Big Horn Basin regional water supply in the mid 1990's which has since expanded under the cooperative umbrella of the Big Horn Regional Joint Powers Board. Big Horn Regional now serves users in Hot Springs County, Washakie County, and Big Horn County from Lucerne to Greybull with Madison aquifer supply from the Worland, Manderson, and Shell well fields. Incremental growth of the regional service area was foreseen and this application represents the local desire for replacing deficient domestic supplies with reliable and safe drinking water in an expansion up the Greybull River corridor. WWDC is conducting a Level II feasibility study to include conceptual plan, cost estimates and financing options. The study will also complete 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

163. PROJECT: South Circle Estates Water Supply

LEVEL: III
SPONSOR: South Circle Estates Improvement and Service District
LOCATION: Washakie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$ 50,000	2009
Level I	32	2010	I	$ 30,000	2010
Level III	63	2011	I	$321,600*	2016

*67% Grant with no loan the District is acquiring the remaining 33% from other sources.

PROJECT INFORMATION:
The South Circle Estates is a subdivision just outside of the Town of Ten Sleep. The original developer of the subdivision installed a water system that has functioned for the Improvement and Service District for the last thirty years. Recently, the age of the pipe has taken its toll on the district with multiple breaks and leaks. In addition to line breaks, the district has experienced low water system pressure. Currently, the district has no storage and no redundancy in the event that there are problems with the well or pipelines.

Water from a shared flowing well is used by the district for domestic water needs and irrigation of small parcels. The irrigation lines are separate from the domestic lines and are much larger in size. Additionally, several of the district members have pasture adjacent to their houses which they irrigate with their share of the well water. The district was reported to have a total of 20 domestic taps.

In 2008, the district requested a Level I study to analyze their system and determine what improvements were necessary. Water samples taken from the district well as a part of the Level I study indicated elevated radionuclides. As a result of the water quality analysis, the district requested additional Level I funding in 2010 to focus on a connection to the Town of Ten Sleep's water system.

The 2010 Level I report recommended the District connect to the Town of Ten Sleep's water supply system. In 2011 the district received Level III funding for the project which consists of constructing approximately 4,000 lineal feet of transmission pipeline. The pipeline will only serve the domestic water supply demands of South Circle Estates.

Also, in 2011, the Town of Ten Sleep received WWDC funding for the construction of a tank and transmission line that connects to the Ten Sleep water system. The South Circle District will tap their transmission line off of the transmission line to the Town of Ten Sleep. The Ten Sleep and South Circle projects will be designed separately. For additional information, please refer to the Ten Sleep Storage Tank Project.

A Project Agreement was completed with the district after they successfully completed a water purchase agreement with the Town of Ten Sleep. The project was designed and bid and is currently under construction. The project is expected to be completed in December 2014

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

164. PROJECT: South Laramie Water Supply

LEVEL: III
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	I	$ 330,000	2006
Level II	75	2007	I	$ 260,000	2008
Level II	66	2009	I	$ 100,000	2010
Level III	68	2010	I	$3,100,000*	2015
Level III	14	2012	I	$2,638,170**	2017

* 67% grant, 33% loan
** 65.14% grant only

PROJECT INFORMATION:
This project provides a redundant water supply connection for the South of Laramie Water and Sewer District (SLWSD). The SLWSD receives its drinking water supply from the City of Laramie (City). SLWSD's water is supplied from the City through a single pipeline that runs under the railroad and I-80. The transmission pipeline south of the railroad and I-80 crossing is old ductile iron pipe. The City reports the pipeline experiences frequent breaks from external corrosion.

In 2010, the Wyoming Legislature appropriated funds to the City for the Laramie Southern Water Supply project. Subsequent to obtaining project funding from the WWDC, the City approached USDA Rural Development (RD) for grant/loan funding to replace WWDC's loan ($1,023,000). The City was successful in securing grant and loan funding from RD.

In 2011, the City hired a consultant and commenced the project design phase. In fall 2011, the City submitted a funding application request to WWDC to cover increased construction costs identified during the design, and to change the financing plan to accommodate RUS funding. In 2013, the design phase was completed and the project was bid and awarded. The project was completed and closed out during 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

165. PROJECT: South Thermopolis Water Supply

LEVEL: III
SPONSOR: South Thermopolis Water & Sewer District
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$ 100,000	2008
Level II	75	2008	II	$ 75,000	2010
Level III	68	2010	I	$2,117,200*	2015

*67% Grant

PROJECT INFORMATION:
In August 2007, a Level I study was completed for the District. The Level I study found several issues of concern. With its current configuration, several district residents have been paying for water that the district is currently unable to provide. Additionally, the water system has pressure problems in many of those areas that do receive water.

A Level II study was completed to identify the preferred alternative and to develop construction level cost estimates. The study recommended construction of a new storage tank and new transmission lines for a total project cost of $3,160,000.

In 2010, the legislature appropriated a $2,117,200 grant for 67% of the project eligible costs. The District has secured funding for the remaining 33% from other sources. The District has selected an engineer to design the project.

During 2012, several meetings were held with the District, the Town of Thermopolis, USDA-RD, Owl Creek Water District and the WWDO. The District's current service connection to the Town of Thermopolis is limited in the water volume and pressure it is able to provide. Through the course of these meetings, it was determined to have the District's main connection moved and connect onto Thermopolis' pipeline where the Owl Creek Water District is connected. This new connection location will provide the District with increased volume and pressure to better serve the current community, future growth, and the ability to provide fire flows to commercial users.

During 2013 and 2014, the design was completed and the District secured the necessary permits and easements. A few additional easements were necessary due the new pipeline route. A couple of these easements took significant time and effort to secure. Ultimately, the time needed to secure the easements has led to the project requiring additional time. Additionally, the project will need supplemental funds to meet a rise in anticipated project materials and construction costs.

The project plans and specifications have been prepared and the project is anticipated to go to bid in 2015.

A recommendation is being made to increase the grant funding from the New Development Program for the eligible WWDC costs and extend the reversion date.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III appropriation in the New Development Program by $201,000, from $2,117,200 to $2,318,200. The financing plan will remain the same with a 67% grant and the Sponsor responsible for 33% of the project costs. The WWDC recommends extending the Reversion date from July 1, 2015 to July 1, 2017.

166. PROJECT: Sponsor's Inflation Funds – Account I

LEVEL: III
SPONSOR: Qualifying Level III Sponsors
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Sponsor's Inflation	105	2006	I	$ 2,000,000	2010
Sponsor's Inflation[1]	68	2010	I	$ 0[1]	2013
Sponsor's Inflation[1]	14	2012	I	$ 0[1]	2014

[1] Time Extension Only

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends extending the reversion date from July 1, 2015 to July 1, 2017.

167. PROJECT: Sponsor's Inflation Funds – Account II

LEVEL: III
SPONSOR: Qualifying Level III Sponsors
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Sponsor's Inflation	105	2006	II	$ 500,000	2010
Sponsor's Inflation	75	2008	II	$ 500,000	2010
Sponsor's Inflation[1]	68	2010	II	$ 0[1]	2013
Sponsor's Inflation	14	2012	II	$ 300,000	2014

[1] Time Extension Only

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the account budget by $500,000 and extending the reversion date from July 1, 2015 to July 1, 2017.

168. PROJECT: Squaw Creek Water Supply

LEVEL: II
SPONSOR: Squaw Creek Water District
LOCATION: Teton County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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

Ground Water Exploration Grants: 2004, 2005, 2007 – $125,472.75 Total
*Reverted July 1, 2010

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 that served the area including several subdivisions that date back to the1960's and early 1970's. There are 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 for the District. Production from the Game Creek wells has deteriorated and a senior water right limiting use of the spring prompted the District to continue to seek source supplies. In 2004, the district received a WWDC Ground Water Exploration Grant for test 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.

Reevaluation 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 and make recommendations on any/all alternatives to increase the quantity of the district's water source to meet current and future demands. 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 Quaternary-age glacial till deposits and the Tertiary-age 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 a low producer also 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 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.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends the project be advanced in the New Development Program to Level III status with an appropriation of $308,200 (67% grant only).

169. PROJECT: State Line Canal Diversion

LEVEL: III
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$750,000	2019

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 design for the project is complete and the WWDO is awaiting the Title Opinion before the project will be authorized to bid. It is expected that the project will be constructed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

170. PROJECT: State Water Plan

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
State Plan	1	1996	N/A	N/A	1996
Aerial Photo	1	1996	I	$ 250,000	1998
State Plan	46	1997	I	$ 250,000	1998
Basin Plan	30	1998	I	$ 250,000	2000
State Water Plan	81	1999	I	$1,435,000	2001
State Water Plan	36	2000	I	$ 800,000	2002
State Water Plan	86	2001	I	$1,550,000	2003
State Water Plan	125	2003	I	$ 600,000	2006
Framework Water Plan	75	2005	I	$ 500,000	2007
State Water Plan	85	2007	I	$ 600,000	2008
Wind/Bighorn Basin	33	2008	I	$ 500,000	2010
Green River DSS	66	2009	I	$ 250,000	2010
Platte River Basin GW	66	2009	I	$ 250,000	2010
Rec/Env. Study	32	2010	I	$ 75,000	2012
Bear River Basin GW	32	2010	I	$ 175,000	2012
Snake/Salt Basin GW	1	2011	I	$ 250,000	2014
Platte Basin Update	74	2014	I	$ 350,000	2016

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. (See Bear River Basin Groundwater Analysis)
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.

Northeast River Basin
2000 - Legislature authorized the Northeast River Basin Plan which was completed in 2002.

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. (See Snake/Salt River Basin – Groundwater Analysis)
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. (See Platte River Basin Plan – Groundwater)
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.
River Basin Planning is seeking funding to update the Powder/Tongue and Northeast Plans and do a groundwater analysis for each of the two basins in the 2015. (See Powder/Tongue and Northeast –Groundwater Analysis, and Powder/Tongue and Northeast River Basin Plan Update)

<u>RECOMMENDED LEGISLATIVE ACTION</u>:
See Powder/Tongue and Northeast –Groundwater Analysis, and Powder/Tongue and Northeast River Basin Plan Update

171. PROJECT: Statewide Water Research

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	30	1998	I	$ 41,584	2000
Level I	36	2000	I	$140,000	2002
Level I	86	2001	II	$140,000	2002
Level I	7	2002	I	$200,000	2004
Level I	125	2003	I	$200,000	2004
Level I	31	2004	I	$200,000	2006
Level I	75	2005	I	$200,000	2006
Level I	99	2006	I	$300,000	2008
Level I	85	2007	I	$300,000	2008
Level I	33	2008	I	$300,000	2010
Level I	66	2009	I	$300,000	2010
Level I	32	2010	I	$300,000	2012
Level I	1	2011	I	$300,000	2012
Level I	57	2012	I	$400,000	2014
Level I	66	2013	I	$400,000	2014
Level I	74	2014	I	$319,000	2017

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. The 2014 research projects are listed below:

- Investigating how the outbreak of bark beetles in the Rocky Mountain Region will impact water yields on short to long time scales.
- Examining the impact of glaciogenic cloud seeding on snowfall rate and on snow particle characteristics, using datasets collected from field campaigns in southeastern Wyoming.
- Evaluating micro-patterned membrane surfaces with switchable hydrophobicity.
- Investigating the use of Fe (VI) for the improvement of water quality in Wyoming.
- Studying rumen microbial changes associated with high sulfur water.
- 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends $397,338 be appropriated from Water Development Account I for the 2015 statewide water research projects.

172. PROJECT: Sublette Creek Reservoir

LEVEL: II
SPONSOR: Cokeville Development Company
LOCATION: Lincoln County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	125	2003	I	$200,000	2004
Level II	75	2005	I	$150,000	2006
Level II	85	2007	I	$ 81,000	2008
Level II	66	2009	III	$375,000	2011
Level II	1	2011	III	$325,000	2013
Level II	66	2013	III	$252,000	2014

PROJECT INFORMATION:
In 1984, the States of Wyoming, Utah, and Idaho joined forces to evaluate the potential to construct storage on the Smiths Fork of the Bear River which would benefit all three states. The purpose was to provide a reliable water supply and generate electricity. The project would also improve water quality and provide flood control and recreation benefits. In 1986, the State of Utah prepared an economic feasibility report which concluded that the project was economically feasible only if all three states participated in financing the project. Unfortunately, the required unanimous support never materialized and the project was downgraded to a "hold status."

In 1988, the U.S. Corps of Engineers (COE) prepared a development plan for the entire Bear River. The report was completed in 1989, and several options were identified. The report verified that a dam on the Smiths Fork would provide considerable flood control, storage, and water quality benefits. However, the economic assessment concluded that the project had an unfavorable benefit-cost ratio and, therefore, would not be eligible for federal funding under existing criteria which reinforced maintaining a "hold status" for the project.

In 2003, the Cokeville Development Company (CDC) requested a Level I study to identify storage opportunities in the Smiths Fork drainage. The CDC's request identified the need for a multipurpose reservoir that would provide for flood and erosion control benefits and water supply for agricultural water users. This study differed from past studies in that it looked at water use only in Wyoming and focused upon determining the potential of developing off-channel sites. This Level I study was completed in August 2004. There were a number of sites evaluated in the initial screening, and no off-channel sites were feasible due to lengthy conveyance canals and large embankment volumes. Six on-channel sites were the focus of study. All of these sites had been evaluated in previous studies. Sites lower in the basin are best from an operations standpoint and provide the best irrigation reliability with the smallest pool. They also offer the best flood control, greatest hydropower potential, and least environmental impacts. However, it appears there would be significant impacts to fish and wildlife from development of on-channel reservoirs and mitigation costs may be high.

The Smiths Fork Watershed Improvement District and the CDC then requested a subsequent Level II study which was approved by the Wyoming Legislature. To make the project more affordable,

it was again recommended to work with Utah and Idaho, as in the 1984 and 1988 efforts, to determine whether support could be generated for constructing a large flood control project. Interests in each state planned to petition Congress to fund a Flood Control Study which would be conducted by the COE. The appropriation would be used to update previous studies that recommended construction of a 125,000 acre-foot dam and reservoir on the Smith's Fork near Cokeville. Although the COE indicated that they were planning to initiate a Flood Control and Ecosystem Enhancement Study in FY 2007 for the Bear River, the study never materialized.

Although the three state flood control project never materialized, the CDC remained interested in developing a smaller, multipurpose, reservoir limited to serving Wyoming interests. A Level I investigation of the Sublette Creek watershed for potential reservoir sites and for the rehabilitation of the Covey/Mau Canals was requested by the CDC. Several potential sites and canal rehabilitation measures were identified by the Level I consultant. As a result, a Level II, Phase I Study followed which eliminated less efficient sites and further refined canal rehabilitation measures. The Level II, Phase I analysis, completed in 2009, was followed by an appropriation to conduct a Level II, Phase II analysis of the more favorable reservoir sites.

Based upon the study completed in 2010, the WWDC recommended that additional study be conducted which includes refinements to the design and cost estimates for the preferred dam alternative and supply canal. In addition, permitting and mitigation cost estimates are being developed. The legislature appropriated funds during their 2011 General Session to conduct primarily additional hydrology, permitting, and biological studies. In 2013, the Legislature approved an additional $252,000 for the project budget to further define costs associated with mitigation for wetlands and wildlife, endangered species, and cultural resources. In addition, land easement and acquisition costs and direct / indirect benefits are being further analyzed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

173. PROJECT: Sundance Storage Tank

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$150,000	2014
Level III	14	2012	I	$712,500*	2017
Level III	105	2006	I	$233,350**	2017

* 75% grant, 25% sponsor
** Sponsor's Inflation Fund 67% Grant, 33% sponsor

PROJECT INFORMATION:
This project provides the design and construction needed to resolve issues relating to the Town of Sundance's existing Cole Water Storage Tank. The storage tank was constructed in 2010 with ARRA funds. The 256,000 gallon water storage tank was constructed to improve the operation of the water supply system and provide needed fire flows. The tank was completed in March, 2010 with ARRA funds. In late July, 2011, a significant rainfall event occurred which caused movement in the storage tank foundation, resulting in the need to minimize water levels held in the tank and

to look at means to stabilize or move the tank. The Town elected to relocate the tank. The estimated cost to relocate and connect the tank to the water supply system is $950,000. The sponsor had a difficult time in finding a suitable site for the tank, but has settled on a site west of the existing tank. Construction has been completed and the project is closing out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

174. PROJECT: Sundance Water System Feasibility Study

LEVEL: II
SPONSOR: Town of Sundance
LOCATION: Crook County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$150,000	2014
Level II	74	2014	I	$183,000	2016

PROJECT INFORMATION:
The Town of Sundance obtains its water from four (4) wells in the Madison and Minnelusa formations capable of providing 1,000 gpm. The Town requested a master plan in 2012 to identify ways to make its existing water supply system more efficient. The master plan was completed in the fall of 2013. Several alternatives were developed including the Cole transmission line extension, Canyon pump station improvements and well field evaluation. In addition, the master plan recommended a pumping test for Well 3C, and inspection and video logging of the four wells in the Cole Well field, which includes Well 3C.

The Level II Water System Feasibility Study incorporating these several recommended alternatives, and the well pumping test and inspection/video logs commenced in June 2014. The Level II study is scheduled for completion by June 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required at this time.

175. PROJECT: Sweetwater Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$100,000	2010
Level II	1	2011	I	$125,000	2014

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. Therefore, Cambria may provide a water supply to 20 additional taps in the Sweetwater Improvement & Service District, which is contiguous to Cambria. This study was completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the New Development Program with an appropriation of $562,800. The recommended financing plan includes a 67% grant with the Sponsor responsible for 33% of the project budget.

176. PROJECT: Ten Sleep Storage Tank

LEVEL: III
SPONSOR: Town of Ten Sleep
LOCATION: Washakie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	7	2002	I	$ 75,000	2004
Level II	125	2003	I	$ 80,000	2004
Level III	63	2011	I	$1,540,000	2016

PROJECT INFORMATION:
This project consists of constructing a water storage tank and separate transmission pipelines to and from the storage tank to serve the Town of Ten Sleep. The Town receives its water supply from two flowing wells located in and adjacent to the town. Construction of the storage tank will allow the town to meet anticipated future peak demands and provide water to the South Circle Estates Water Supply project.

The Town has negotiated a water purchase agreement with the South Circle District. Design, permitting and construction bidding was completed in 2013. Construction is scheduled to be completed in 2014.

For additional information, please refer to the South Circle Estates Water Supply project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

177. PROJECT: Thermopolis Master Plan

LEVEL: Level I
SPONSOR: Town of Thermopolis
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$175,000	Complete
Level I	74	2014	I	$135,000	2015

PROJECT INFORMATION:
The Town has an aging treatment plant and distribution infrastructure that needs to be evaluated for upgrade/replacement. The first limiting factor of the Town's system is the age of the transmission/distribution system as flow rates must be reduced to avoid over-pressurization. The second limiting factor is the capacity of the treatment plant, especially the filter beds. Past WWDC planning studies in Hot Springs County have explored the Town's system capacities, but this study is the first WWDC-funded master plan for the Town.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

178. PROJECT: Upper Green River Watershed

LEVEL: I
SPONSOR: Sublette County Conservation District
LOCATION: Sublette/Lincoln/Teton Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	III	$300,000	2014

PROJECT INFORMATION:
The Upper Green River watershed, located primarily in Sublette County and extending into eastern Lincoln County, is approximately 1,881,164 acres. Land ownership in the Upper Green drainage is divided among federal, private, and state. The watershed includes one primary river system, the main stem of the Green River, and tributaries including Tosi Creek, Klondike Creek, Rock Creek, Gypsum Creek, Beaver Creeks, Horse Creek, Cottonwood Creek, Piney Creeks, LaBarge Creek and Fontenelle Creek.

During the 2012 Budget Session, the Sublette County Conservation District requested and received funding for a Level I Watershed Study. The study will provide a detailed evaluation of the watershed and incorporate available technical information describing conditions and assessments of the watershed. The project consists 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. This information will provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues and opportunities within the drainage.

Inventory and description of the watershed will include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information, along with the prioritized list of potential water development and system rehabilitation projects developed through landowner participation, will be incorporated into a rehabilitation and management plan complete with cost estimates for potential future project activities. In addition, past reservoir feasibility analysis studies, from a number of agencies, will be compiled in an effort to summarize the work, compare alternatives and provide direction on storage potential. The final report is expected by the end of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

179. **PROJECT:** **Upper Laramie River Watershed Study**
LEVEL: New Application (Level I)
SPONSOR: Laramie Rivers Conservation District
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Laramie Rivers Conservation District is requesting 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 will provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues and opportunities within the drainage.

The Upper Laramie River watershed, located primarily in Albany County, covers approximately 1,200,000 acres. The watershed includes the primary stream system of the Laramie River and numerous tributaries including the Little Laramie River, Fourmile Creek, Sand Creek, Willow Creek, Spring Creek, Lonetree Creek and Mill Creek. The Laramie Plains Lakes, of which Lake Hattie being the largest, are located centrally in the watershed, southwest of Laramie, WY.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $375,000, from the New Development Program, to complete a Level I Watershed Study for the Upper Laramie River Watershed.

180. **PROJECT:** **Upper North Platte Watershed Study**
LEVEL: I
SPONSORS: Saratoga, Encampment, Rawlins Conservation District
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$375,000	2016

PROJECT INFORMATION:
The Saratoga, Encampment, Rawlins Conservation District requests a watershed study to evaluate storage opportunities, current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. 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. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans will be included.

The Upper North Platte River watershed, located south of Pathfinder Reservoir in Carbon County, is approximately 2,000,000 acres. Land ownership in the Upper North Platte River drainage is divided among federal (~40%), private (~50%) and state (~10%). The Upper North Platte watershed includes the primary stream system of the North Platte River and numerous tributaries including Big Creek, Bear Creek, Beaver Creek, the Encampment River, Cow Creek, North and

South Spring Creek, Cedar Creek, Jack Creek, Sage Creek, Pass Creek, Rattlesnake Creek, Brush Creek and French Creek. Seminoe Dam and Reservoir and Pathfinder Dam and Reservoir are Bureau of Reclamation storage facilities located on the north and eastern edge of the watershed study area. There are numerous smaller surface water impoundments within the watershed.

This study developed an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information was incorporated into development, rehabilitation and management plans complete with cost estimates for potential future project activities. The final report is expected in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

181. PROJECT: Upper Snake River Watershed Study

LEVEL: I
SPONSOR: Teton Conservation District
LOCATION: Teton County
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Teton 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 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 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 2016.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $375,000.

182. **PROJECT:** **Upton Well**
LEVEL: III
SPONSOR: Town of Upton
LOCATION: Weston County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$395,000*	2014

* 67% grant, 33% loan

PROJECT INFORMATION:
The Town of Upton drilled the Upton No. 6 Well in 1983 and it was acid stimulated with WWDC funds in 1990. Prior to the stimulation, the well was a poor producer, but following stimulation production from the well capacity increased to approximately 600-gpm. With an increase in production, there was also a sudden increase of iron bacteria in the well. The presence of iron bacteria resulted in discolored water that also had an objectionable odor. Subsequently, the town never tied the well into the town's water supply system.

In 2008, WWDC funded a Level II report to evaluate the condition of the well and provide treatment recommendations for the iron bacteria. This Level III project is the result of the Level II study and consists of constructing a chlorine injection system, chlorine contact tank, well house improvements, a pipeline from the well to town and installation of radio controls.

The project has been designed but has run into difficulties getting a permit to construct with DEQ. DEQ has raised issues with the fact that the well was never permitted when it was originally drilled, iron bacteria that was historically seen in tests of the wells water, and concerns with the well not meeting current construction criteria. The delays caused by the issues raised by DEQ have forced the Town to request an additional year extension to the reversion date.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending an amendment to the project agreement to extend the reversion date from July 1, 2015 to July 1, 2016.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	2016

PROJECT INFORMATION:

The evaluation of existing agricultural uses has shown a need for additional storage on the Hams Fork River. Additional storage could provide a much needed source of late season water to all uses below the dam, including the Hams Fork Water Users Association, and downstream municipalities.

2001 investigations completed for the Green River Groundwater Recharge and Alternate Storage Study indicated enlarging Viva Naughton Reservoir was one of the more efficient water development projects in the state. The existing reservoir is owned and operated by PacifiCorp, who has expressed an interest in the further investigation of the potential enlargement of Viva Naughton. The reservoir has an existing capacity of 45,465 acre-feet. PacifiCorp has water right filings for an additional 36,430 acre-feet of storage.

During the 2002 Budget Session, the water users in the Hams Fork Valley requested and received funding for a Level II Storage Feasibility Study to investigate potential options for additional water supplies on the Hams Fork. Three options, Viva Naughton enlargement, Dempsey Basin dam and Willow Creek dam, were identified with conceptual level cost estimates all in the same range. The Level II study concluded that shortages did exist within the Hams Fork Basin and that any of the three options could ease shortages if constructed.

In 2005, an appropriation was authorized during the General Session to complete a Level II, Phase II Storage Feasibility Study to obtain required geotechnical and wetland information to further refine storage feasibility. Before the geotechnical drilling could start, a Temporary Use Permit from BLM was required. The Dempsey – Hockaday Cutoff of the Oregon Trail runs through the Dempsey Basin Reservoir site. This trail is considered pristine in places within the basin. As a result, it took longer than expected to acquire the Temporary Use Permit to explore Dempsey Basin, later renamed Lower Dempsey Basin. During this time, wetlands classifications, archeological investigations, refined hydrologic needs analyses, and surveying work were completed. After the above items were finished, an interim report summarizing the results and outlining an approach to the geotechnical drilling work was completed.

In 2007, supplemental funding was authorized during the General Session to complete the Level II, Phase II Storage Feasibility Study and the Temporary Use Permit for the project was issued by the United States Department of the Interior Bureau of Land Management. Geotechnical drilling at Lower Dempsey Basin and Viva Naughton was completed and the results analyzed. During that time, an alternative storage site upstream of the Lower Dempsey Basin site was identified (Upper Dempsey Basin) that could potentially have been more favorable in the aspect of land ownership, NEPA, SHPO, and embankment quantities.

Additional funding was authorized from the Dam and Reservoir Program during the 2009 General Session to continue the Level II, Phase II study. The additional funds were to allow further exploration and drilling of the Upper Dempsey Basin site. The work was completed in 2009 and the data has been analyzed. The Upper Dempsey Basin site does appear geotechnically feasible. However, during the time of the Level II, Phase II study, the Wyoming Governor's Office has

issued several executive orders (EO) addressing the Greater Sage-Grouse in Wyoming. The latest EO 2011-5 includes a method for use in determining compliance with the EO for new projects, referred to as the Density and Disturbance Calculation Tool (DDCT). The DDCT is used to determine if the proposed new disturbance, combined with existing and permitted disturbances in the area, are below 5% of the DDCT area and result in an average of <1 disruptive activity (defined as oil and gas wells and mines) per 640 acres within the area affected by the project. Based on the results of the DDCT analysis performed for the Level II, Phase II Study, neither the Upper or Lower Dempsey Basin sites would be in compliance with the Governor's EO because total surface disturbance (9.29% for upper; 10.53% for lower) is substantially greater than 5%. Even without the new disturbance, the area of existing disturbance in the DDCT analysis area (7.76% for upper; 8.61% for lower) is already substantially above the 5% threshold. Further analysis is needed to determine if existing impacts include unsuitable Sage Grouse habitat, which could lower percentages or if mitigation is an option.

In the meantime, another alternative has been discussed which would entail enlarging the existing Viva Naughton Reservoir by raising the spillway. This would be a much smaller scale enlargement (5,000 acre-feet), but if temporary inundation can be proven not to adversely impact wetlands and/or habitat, it may be a feasible option. In 2012, the WWDO presented the data on the alternatives to PacifiCorp. The WWDO proposed to develop PacifiCorp's water right permits, for the benefit of water users in the basin, with either a nominal raise of Viva Naughton Reservoir or by pursuing the Upper Dempsey Basin alternative. PacifiCorp responded that they were willing to engage in further discussions with the WWDC on the development of a mutually agreeable arrangement that may facilitate the nominal Viva Naughton Reservoir enlargement alternative. During the 2014 Budget Session, the WWDC requested additional Level II, Phase II funding to further investigate a nominal raise of Viva Naughton Reservoir. The work is underway and will include reservoir modeling and operation, flood hydrology and routing, environmental analysis, more thorough geotechnical investigations, preliminary design and survey.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Big Horn, Laramie, Medicine Bow and Sierra Madre Ranges
Albany, Big Horn, Carbon, Converse, Johnson, Laramie, Platte, Natrona, Sheridan, and Washakie Counties
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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

PROJECT INFORMATION:
Building on the release of the preliminary 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 put forth this Level III project to "jumpstart" the transition from research to operational cloud seeding programs in the Medicine Bow/Sierra Madre, Big Horn and Laramie Ranges. The former ranges were the location of the randomized statistical experiment portion of the WWMPP, and as such, a rich dataset of information exists for these ranges from the past nine years of study. If funded, permitting activities under the National Environmental Policy Act with the US Forest Service for an operational cloud seeding program in the Medicine Bow and Sierra Madre Ranges would begin immediately. Additional work will also commence regarding the operational design to be deployed to include the method of seeding materials dispersion (ground or airborne), the siting of facilities (lease or own), operational and institutional constraints, and a cost/benefit analysis.

Interest in weather modification operations in the Big Horn and Laramie Ranges represent new areas not previously studied, and as such, requires the preparatory work necessary to lay a foundation for an operational program in those target areas. If funded, a conceptual design and siting study for each of the target areas would commence to include climatology, hydrology, permit procurement, project land procurement, evaluation of seeding agent delivery systems, procurement of generators, weather forecasting, operational costs and potential funding partners. An extensive education and outreach program would be part of these later two studies in the Big Horn and Laramie Ranges.

RECOMMENDED LEGISLATIVE ACTION:
The Legislative Select Water Committee recommends the project be incorporated at Level III status into the New Development program with an appropriation of $1,447,500.

185. PROJECT: Weather Modification Pilot Program

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Medicine Bow/Sierra Madre and Wind River Ranges
Albany, Carbon, Fremont, and Sublette Counties
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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

PROJECT INFORMATION:
The Wyoming Weather Modification Pilot Program (WWMPP) was conducted to assess the feasibility of increasing Wyoming water supplies through winter orographic cloud seeding. Following a Level II feasibility study that found considerable potential for cloud seeding in the state, the Wyoming State Legislature funded the WWMPP (2005-2014) as a research project to determine whether seeding in Wyoming was a viable technology to augment existing water supplies, and if so, by how much, and at what cost? The WWMPP established orographic cloud-seeding research programs in three Wyoming mountain ranges considered to have significant potential: the Medicine Bow, Sierra Madre, and Wind River Ranges.

Two independent contractors were retained by the WWDC to conduct the WWMPP. The seeding operations were performed under a contract with Weather Modification, Inc. (WMI), while the evaluation activities were separately contracted with the Research Applications Laboratory of the

National Center for Atmospheric Research (NCAR). Additional contributors to the project included the University of Wyoming (Department of Atmospheric Science, Department of Botany, Department of Civil & Architectural Engineering, and the Office of Water Programs), the Desert Research Institute (DRI), Heritage Environmental Consultants, the University of Alabama, the University of Nevada Las Vegas, and the University of Tennessee. A Technical Advisory Team (TAT) was established early during the project to provide guidance to the Wyoming Water Development Office on the oversight of the program. The TAT facilitated numerous collaborative efforts and data/resource sharing activities during the project. Similarly, local stakeholders were engaged from the program's onset and throughout the life of the project, which was a valuable contribution to the project's overall success.

The primary goal of the WWMPP was to design and conduct a scientific evaluation of winter orographic cloud seeding. Following guidance from the National Research Council (NRC) 2003 report on weather modification, the evaluation was designed to combine physical, statistical, and numerical modeling studies of environmental, microphysical, and hydrological systems to comprehensively evaluate the impacts of cloud seeding and determine its economic feasibility. The evaluation was primarily focused on the Medicine Bow and Sierra Madre Ranges where the statistical evaluation was conducted; however, there were additional evaluation components that focused on the Wind River Range. The following specific tasks were addressed: a Randomized Statistical Experiment (RSE) was designed, implemented, and completed using a response variable measured by high-resolution snow measurements, which were collected and thoroughly quality controlled; required permits were acquired; physical measurements of silver iodide were collected; numerical modeling studies were conducted; targeting of the seeding material was verified; the climatological context of seeding opportunities was established; hydrological modeling of cloud-seeding impacts were conducted; silver in the environment was monitored; and studies of extra-area effects were conducted.

With the WWMPP field campaign completed April 2014, the ground-based generators targeting the Medicine Bow and Sierra Madre Ranges were dismantled during the summer of 2014, while those targeting the Wind River Range were left in place and readied for the first-ever collaborative weather modification operational program in the State of Wyoming. This collaborative effort is also part of a larger multi-state Colorado River Basin Flow Augmentation initiative (see Weather Modification Wind River Mountains). The results of the WWMPP study will be available during the first quarter of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

186. PROJECT: Weather Modification - Wyoming Range

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Wyoming Range
Lincoln and Sublette Counties
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	I	$100,000	2006
Level II	74	2014	I	$200,000	2017

PROJECT INFORMATION:
The original weather modification feasibility study for this area assessed the feasibility of conducting an operational weather modification program in both the Salt and Wyoming Ranges and paid particular attention to the climatology of the region, including storm frequencies and characteristics, barriers, seeding potential, etc. The program design called for the deployment of generators in the Star Valley area to take advantage of the predominant air flow. However, serious concerns were identified through modeling done by the Desert Research Institute that seeding materials might channel to the north and south, rather than reaching their intended target. This also called into question the effectiveness of such snowpack augmentation efforts on the eastern flanks of the Wyoming Range as targeted from Star Valley. An additional year of climatological monitoring was recommended to refine siting of the generators to address generator efficiency in targeting the two ranges.

As the results of this feasibility study became available, the larger Wyoming Weather Modification Pilot Program (WWMPP) was well underway. It was decided to put any further study of the Salt and Wyoming Ranges as a target area for cloud seeding on hold until the results of the pilot program became available. Yet, interest by Idaho Power in the potential additional hydropower generation that might be realized from cloud seeding through such an operational program in the Upper Snake, led the power utility to continue the study on its own and conduct this additional year of climatological monitoring. Idaho Power has since deployed four ground-based cloud seeding generators in the Star Valley area which operated during the winters of 2012-13 and 2013-14, and has plans for the deployment of additional generators in the coming seasons. Emphasis for Idaho Power is on increasing streamflows in the Salt and Greys River drainages, the headwaters of the Upper Snake.

Still, interest existed from stakeholders in the Green River Basin as to what could be done to specifically target the eastern slopes of the Wyoming Range to increase snowpack and ultimately runoff in the western portions of the basin, an area of known shortages. This request was further elevated by current basin-wide initiatives in the Colorado River Basin to augment streamflows through weather modification. The Wyoming Range in west-central Wyoming represents one such opportunity where resulting runoff from snowpack augmentation activities could increase those supplies. To adequately address this issue, a Level II, Phase II Study specifically targeting this area was approved by the 2014 Wyoming State Legislature and will include new modeling tools previously unavailable and the potential for collaborative efforts with the other existing operational program in the area. The study which is being conducted by the Research Applications Laboratory of the National Center for Atmospheric Research (NCAR), will provide much needed information and will be preparatory to potential future operations in the area as part of a larger strategy of flow augmentation through weather modification in the Colorado River Basin. The study is scheduled for completion September, 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

187. PROJECT: Weather Modification Wind River Mountains - 2016

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	100	2014	I	$ 240,000	2015

PROJECT INFORMATION:

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.

Interest in weather modification as a flow augmentation strategy in the Basin is not a new concept borne from the Colorado River Basin Water Supply and Demand Study, but rather has been an ongoing practice over the past few years through the implementation of a Lower Colorado River Basin Entities (Southern Nevada Water Authority, Six Agency Committee, and the Central Arizona Water Conservation District) program to cost-share with the Upper Basin States (Colorado, Utah, Wyoming) for cloud seeding in the Upper Basin in an effort to improve system conditions. **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.**

With the completion of the field campaign portion of the Wyoming Weather Modification Pilot Program (WWMPP), and study results to be delivered during the first quarter of 2015, ground-based seeding generators targeting the Wind River Range were scheduled for dismantling this past summer. (*Generators in the Medicine Bow and Sierra Madre Ranges have been dismantled.*) However, due to interest expressed by several parties in continuing seeding operations in the Wind River Range target area for the winter of 2014-15, the generators were left in place and readied for the first-ever collaborative weather modification operational program in the State of Wyoming. Continued operations in this target area will potentially further the goals of a larger Colorado River Basin flow augmentation strategy currently being discussed amongst the Seven Basin States. Dismantling and removing equipment is counter to this strategy and significant increased costs would be incurred should the decision be made for re-deployment and operations at a later date.

Funding for cloud seeding operations in the Wind River Range for the winter of 2014-15 was provided in part by the Wyoming State Legislature's "Omnibus Water Bill – Construction" approved by the 2014 Wyoming State Legislature. Per the legislation, the appropriated funds ($240K) could only be expended once formal agreements were in place for cost sharing of operations amongst the interested parties and Wyoming's cost share was capped at 25% to reflect the benefits expected to be accrued to the State, historical participation of three Lower Basin funding entities, and acknowledgement of surrounding states' own operational programs. The Wyoming Water Development Office secured those external funding agreements through letters of solicitation, conference calls and personal contact with potentially interested parties. Funding partners supporting continued weather modification activities in the Wind River Mountains during the winter of 2014-15 include: the Arizona Department of Water Resources, the Central Arizona

Water Conservation District, the Six Agency Committee, the Southern Nevada Water Authority, the U.S. Bureau of Reclamation, and the Utah Division of Water Resources.

Understanding that numerous parties are awaiting the release of the results of the Wyoming Weather Modification Pilot Program study, and that dialogue in this matter will be continuing throughout this first year of collaborative weather modification operations, and that a decision has yet to be made regarding possible continued operations and cost sharing for cloud seeding in the Wind River Range beyond this winter, the WWDO felt it imperative to prepare a budget for this cost sharing scenario should the decision be made to continue operations during the winter of 2015-16. It is once again recommended that Wyoming's cost share be capped at 25% to reflect the benefits expected to be accrued to the State, historical participation of the Colorado River Basin funding entities, and acknowledgement of surrounding states' own operational programs.

The requested appropriation represents the continuation of cloud seeding operations in the Wind River Range for the winter of 2015-16. This would be 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. Funds are being requested for the operations contractor to prepare operational forecasts, release soundings, maintain the equipment, and conduct the seeding operations through leased ground-based generators.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated at Level III status into the New Development program with an appropriation of $170,000. The funding would be for an approximate 25% cost share of the necessary budget to conduct the seeding operations. The remainder of the project funding would come from outside funding partners. The total project budget is $650,000.

188. PROJECT: Wheatland Irrigation District Rehabilitation 2015

LEVEL: New Application (III)
SPONSOR: Wheatland Irrigation District
LOCATION: Platte County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$300,000	2010
Level III	63	2011	II	$723,600*	2016

*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 is requesting Level III funding for a number of needed improvements to their system. The identified projects for this appropriation include: Dutton Reservoir Outlet Rehabilitation, Seepage Reservoir Outlet Rehabilitation, Tunnel Dam Rehabilitation, and the Bordeaux Lateral Siphons.

A recommendation is being made to provide grant funding from the Rehabilitation Program of $874,350 (67% grant) for the eligible WWDC costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the Rehabilitation Program with an appropriation of $874,350. The recommended financing plan includes a 67% grant with the Sponsor responsible for 33% of the project budget.

189. PROJECT: Wheatland No. 7 Well

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

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The project will include 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III funding with an appropriation of $502,500. The financing plan includes a 67% grant to be used for design and construction activities. The sponsor will be responsible for obtaining the remaining 33% funding.

190. PROJECT: Wheatland Rehabilitation 2011

LEVEL: III
SPONSOR: Wheatland Irrigation District
LOCATION: Platte County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$300,000	2010
Level III	63	2011	II	$723,600*	2016

*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 requested Level III funding for a number of needed improvements to their system as identified in the recently completed master plan. The identified projects include: Canon Canal Headgate and Diversion replacement, Upper Lateral No. 1 Replacement, Deadhead Creek Wasteway Replacement, Deadhead Wasteway Automation, and Base Station Automation.

In 2011, the District received a Level III Rehabilitation project with an appropriation of $723,600 (67% grant). The District secured the services of an engineer and initiated the design process. In 2013, the engineer completed the design of the Deadhead Wasteway Automation project. The project was bid, successfully awarded, and construction was completed in 2014.

During 2013 and 2014, the District identified King Reservoir, Dutton Reservoir and Seepage Reservoir as projects that needed immediate attention. The outlet pipe and outlet works on these structures have experienced severe deterioration and corrosion. It was determined to move forward with the design on King Reservoir and the District is pursuing a separate WWDC funding appropriation for Dutton and Seepage Reservoirs.

In 2014, the District designed the King Reservoir Outlet project and anticipates re-bidding the project in-early 2014. The project has been previously bid and not awarded due to construction costs deemed to be excessive. The District and the engineer are working through the remaining projects to determine the appropriate design path for the upcoming construction and irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

191. PROJECT: Willwood Dam Rehabilitation

LEVEL: III
SPONSOR: Willwood Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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

*This appropriation is replaced by the 2012 appropriation.
**67% grant, 33% loan

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.

The Master Plan financed by WWDC identified deficiencies in the condition of the Willwood Diversion Dam. This project will provide sluicing redundancy to the sponsor. Without redundancy, the sponsor risks the ability to sluice sediment should the sole operable gate fail.

At the time of the study only one of three sluice gates was operational and sediment had buried the two inoperable gates. Both of the inoperable gates have gate stems that are damaged. The sponsor plans 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. Construction is anticipated in the fall of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

192. PROJECT: Willwood Irrigation District Master Plan

LEVEL: I
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 50,000	2006
Level I	74	2014	II	$160,000	2016

*There have been multiple Level III projects for this sponsor. For more information on Level III appropriations please refer to the Willwood Irrigation District Rehabilitation 2014 Project.

PROJECT INFORMATION:
Willwood Irrigation District was constructed as a part of the Shoshone Project, and serves 11,464 acres. A master plan was completed for the district in 2005. The 2005 master plan developed the base level data for the GIS and made recommendations for system improvements. Since that time many of the recommended improvements have been made, and the GIS dataset has become an important part of their system management.

However, as the recommended improvements were made, the district noticed several areas of their Master Plan and GIS are now outdated. Also, when data was originally gathered for the GIS important details on the canal's structures were left out. As a result the district requested in 2013 that this data be gathered and incorporated into the GIS, along with any updates that are necessary due to the system improvements that have been made since the 2005 plan was completed. The district also requested a seepage analysis for several sections of the main canal. Their hope is that a prioritized list of main canal sections needing to be lined can be developed. Lastly, the district would like to automate more of their system. In order to increase efficiency they would like an analysis of their options for SCADA including software packages, hardware packages, locations, and implementation priorities.

Sage Civil Engineering was hired to complete this project in the spring of 2014. The project is currently on time and budget with an anticipated delivery date of fall 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required at this time.

193. PROJECT: Willwood Irrigation District Rehabilitation 2014

LEVEL: Level III
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	100	2014	II	$164,000*	2019

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

PROJECT INFORMATION:
In 2009, the Willwood Rehabilitation and GIS Level II study was completed. The study identified rehabilitation needs of the irrigation water supply and delivery system. This study will be the basis for systematic improvements to improve the efficiency of the system.

The Willwood Rehabilitation 2014 Project is grant funding for the purchase of invoiced materials to automate a control gate in the main canal as well as a spillway gate in the main canal, both at the location of Willwood Draw. This project will facilitate canal operations by regulating flows below this point in the main canal to a desired setting and thus reducing or eliminating uncontrolled fluctuations. Construction on the automation began in the fall of 2014 and the project will be complete prior to the 2015 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is necessary.

194. PROJECT: Willwood Rehabilitation 2010

LEVEL: Level III
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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	68	2010	II	$746,000*	2015
Level III	63	2011	II	$754,000*	2015

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

PROJECT INFORMATION:
In 2009, the Willwood Rehabilitation and GIS Level II study was completed. The study identified rehabilitation needs of the irrigation water supply and delivery system. This study will be the basis for systematic improvements to improve the efficiency of the system.

In 2010, the Willwood Irrigation District requested and received funding to replace a ditch segment with buried pipe. Subsequent to the design process, the District received additional funds in 2011 for additional pipe to further improve the operational efficiency of Lateral 84. The sponsor is responsible for the cost of design, construction, construction engineering, easements, and any other project expense other than invoiced materials.

The project was completely designed in 2010 and a portion of the project was constructed in the winter of 2010-2011. Construction on the second portion of the project began in the fall of 2013 and was completed prior to the 2014 irrigation season. This project was closed out late in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is necessary.

195. PROJECT: Wind River Irrigation

LEVEL: III
SPONSORS: Joint Business Council for the Eastern Shoshone and Northern Arapaho Tribes
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	118	2004	II	$3,500,000*	2015

* 50% grant

PROJECT INFORMATION:
The Wind River Irrigation Project, operated by the Bureau of Indian Affairs, is in very poor shape, with over 50 million dollars in deferred maintenance. According to a 1994 study, over 1,200 structures (60% of the structures) need repair or replacement, and 190 miles of canals and laterals (45%) need repair or reconstruction. Structure failures are common and failure of segments of the water delivery system is imminent. In areas, the efficiency of the delivery system is 35%.

This is first phase of a long-range plan to rehabilitate the system. The Tribes have received $3.5 million from the BIA. These funds are used to match the states funds. The first phase focuses on replacing or repairing the most important structures (primarily major canal head gates) with the highest likelihood of failure.

No action on the project occurred during 2004, 2005, 2006 and 2007. In 2007, the legislation was modified to allow the Joint Business Council for the Eastern Shoshone and Northern Arapaho Tribes, or the Eastern Shoshone Business Council or the Northern Arapaho Business Council, to be the sponsor. In 2008, the project was on hold pending tribal approval of the project agreements by the Councils. The councils delegated authority for the projects to the Water Resources Control Board (Board) of the Wind River Reservation. The Board secured construction bids for four diversion structures in mid-2009 and construction was completed by the 2011 irrigation season.

In early 2011, the Board selected engineers for the rest of the project. The design of the diversion structures for the Ray, Coolidge, 11C, 39C, 59C, and 14B canals are complete and construction was completed in early 2012. The design of the Sub-Agency diversion, North Fork flume, Willow Creek diversion and Meadow Creek diversion has been completed but legal questions delayed the bidding of the projects. The legal issues have been resolved and projects were bid mid-summer of 2013 and are under construction. The construction has been completed and the project is closing out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

196. **PROJECT:** **Wind River Irrigation Rehabilitation 2015**
LEVEL: New Application (Level III)
SPONSORS: Eastern Shoshone and/or Northern Arapaho Tribes through the Office of The Tribal Engineer
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Wind River Irrigation System which is operated by the Bureau of Indian Affairs in 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, this is Phase II of that project. 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to Level III status in the Rehabilitation Program with an appropriation of $1,482,121. This will be a grant for 67% of the costs with 33% of the costs being provided by the Sponsor.

197. **PROJECT:** **Wright Water Supply 2011**
LEVEL: III
SPONSOR: Wright Water and Sewer District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	32	2010	I	$1,100,000	2012
Level III	63	2011	I	$ 737,000*	2016
Level III	14	2012	I	$1,072,000*	2017

*67% grant only

PROJECT INFORMATION:
The Wright Water and Sewer District water system serves approximately 2,500 people living in the Town of Wright and the adjacent area. The source groundwater for the District is supplied from five wells completed into the Paleocene Fort Union Formation. The District currently has two welded steel storage reservoirs with capacities of 0.5 million and 1.0 million gallons.

The 2008 Level I master plan identified the need for an additional groundwater supply. In 2010, WWDC funding was provided for construction of a new deep well into the Fort Union Formation. The Level II RJ-7 well was completed in 2011.

In 2010, the District submitted a funding application to WWDC requesting $4,957,000 to connect the Level II well to the existing water system, construct a new water storage reservoir, upgrade the SCADA system, and make improvements to the existing RJ-3 Well House. Due to budgetary constraints, WWDC's recommendation to the 2011 legislature was to phase the project. The 2011 appropriation included budget to design and construct the RJ-3 Well House and the SCADA system and to design the RJ-7 Well House and connection pipeline. The 2012 appropriation provided budget to construct the RJ-7 Well House and connection pipeline from the well to the District's water system.

Construction of the RJ-3 Well House and SCADA system was completed in the fall of 2012. Design of the RJ-7 Well House was completed in 2013. The RJ-7 project was completed in the fall of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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 WWDC or visit our web site at www.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. Basin-Big Horn Canal
8. Basin Planning – Environmental and Recreational Uses
9. Beulah Water Supply
10. Big Horn Canal Rehabilitation
11. Big Horn Regional Groundwater
12. Big Sandy Enlargement
13. Big Valley & Crossed Arrows Improvement District Water Supply
14. Black Willow Water Supply
15. Boulder Flats Water Supply
16. Boulter Lake Enlargement
17. Bridger Valley Level II Reservoir Project
18. Bridger Valley Water Supply
19. Buffalo Creek Watershed Study
20. Buffalo Northwest Water Supply
21. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
22. Burns Water Supply
23. Cambria/Sweetwater Water Supply
24. Canyon/Newcastle Area Water Supply
25. Casper Alcova Rehabilitation, GIS
26. CBM Aquifer Storage and Retrieval
27. Cheyenne Belvoir Ranch Groundwater
28. Cheyenne Hydro Power
29. Cheyenne/Laramie County Water Service Area
30. Clear Creek Watershed Study
31. Clearmont CBM Impact
32. Cody Canal Irrigation District Hydropower
33. Cody Canal Rehabilitation, GIS
34. Cody Master Plan
35. Cokeville Reservoir
36. Corner Mountain Test Well
37. Cottonwood/Grass Creek Watershed Management Plan
38. Cottonwood Lake Enlargement
39. Crook County Reservoirs and Water Management
40. Crow Creek Groundwater Recharge
41. Crowheart Area/Dinwoody Canal System
42. Dayton Raw Water Irrigation
43. Deer Creek Dam and Reservoir
44. Dixon Water Supply
45. Douglas Ground Water
46. Douglas Master Plan

47. Dubois Regional Water Supply
48. East Fork Wind River Instream Flows
49. Eden Valley (Farson) Master Plan Level I
50. Eight Mile-High Plains Well
51. Encampment/Sierra Madre Water Supply
52. Enterprise Conservation Program
53. Evansville Master Plan
54. Fort Laramie Water Supply
55. Frannie Raw Water
56. Frannie Well Rehabilitation
57. Gillette Regional Master Plan
58. Glenrock Master Plan
59. Goshen Irrigation District Master Plan 2006
60. Goshen Re-regulating Reservoir
61. Granger Water Supply
62. Green River Basin Plan-Groundwater
63. Green River Basin Plan-Update
64. Green River Decision Support System Feasibility Study
65. Green River Groundwater Recharge and Alternate Storage
66. Green River-Rock Springs-Sweetwater County Master Plan
67. GR-RS-SC JPB Water Supplies
68. Green River West Water Supply
69. Greybull Raw Water
70. Greybull Valley Rehabilitation, GIS
71. Greybull Valley Sunshine Diversion
72. Greybull Wells Rehabilitation
73. Guernsey Master Plan
74. Hanna Water System Level I
75. Hawk Springs Master Plan
76. Hawk Springs Water Supply
77. Heart Mountain ID Return Flow Study
78. Heart Mountain Rehabilitation
79. Hoback Junction Rural Regional Master Plan
80. Hoback Junction Water Supply
81. Hopkins Producers Irrigation District Reservoir Study
82. Hot Springs State Park, Big Springs Study
83. Hyattville Water Supply
84. Irrigation Hydro Power
85. James Town/Rio Vista Water Supply
86. Jeffrey City Water Supply
87. Jons Drop Hydropower
88. Kaycee Well & Storage
89. Kemmerer-Diamondville Master Plan
90. Kemmerer/Diamondville Water Supply
91. Kennington Springs
92. Keystone and Farmers Canal Master Plan
93. Kirby Area Water Supply Study
94. Kirby Creek Watershed Study
95. Kirby Irrigation District Conservation Program
96. Kirby Municipal Master Plan
97. LaBarge Water Supply
98. Lakeview Irrigation Master Plan
99. Lance Creek Water Supply

100. Lance Creek Well
101. Lander Master Plan
102. Lander Paleozoic Well
103. Laramie County Aquifer Study
104. Laramie Water Management Study
105. LeClair/Riverton Valley Irrigation Storage
106. Little Snake Canals
107. Little Snake River Watershed Study
108. Lodgepole Creek ASR
109. Lovell ID Hydro Power
110. Lucerne Water Supply
111. Lysite Water Supply
112. Manville Water Supply
113. Middle Fork Dam
114. Middle Fork Powder Watershed Management Plan
115. Midvale Conservation Program
116. North Canal-Grover
117. North Cheyenne Master Plan
118. Northeast Wyoming Interactive Database
119. Northern Arapaho Ground Water
120. Nowood River Watershed Study
121. Opal Regional Water Supply
122. Owl Creek Irrigation District Conservation Study
123. Owl Creek Irrigation Master Plan
124. Owl Creek Water Supply
125. Pavillion Area Water Supply
126. Pavillion Water Supply
127. Pine Bluffs Master Plan
128. Pinedale Hydro Power
129. Pinedale Master Plan
130. Pine Haven Master Plan
131. Pioneer Rehabilitation
132. Platte-Goshen Regional Master Plan
133. Poison Spider Pipelines
134. Popo Agie Watershed Management Plan
135. Powder River Water Supply
136. Powell Airport Water Supply
137. Rawlins Master Plan
138. Rawlins Operations Study
139. Ray Lake Enlargement
140. Red Lane Master Plan
141. Rock Springs East Water Supply
142. Rolling Hills Master Plan
143. Saratoga Groundwater
144. SEO/Lusk Area Ground Water
145. Shell Canal Tunnel
146. Sheridan Supplemental Storage
147. Shell Valley Watershed Management Plan
148. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
149. Shoshone ID Rehabilitation, GIS
150. Smith's Fork Dam
151. South Circle Master Plan
152. South Garden Creek Water Supply

153. Star Valley Ranch Water Supply
154. Star Valley Regional Master Plan
155. State Stream Gage System
156. Sundance Master Plan, Level I
157. Sweetwater River Watershed
158. Sweetwater Water Supply
159. Tensleep/Hyattville Master Plan
160. Tensleep Water Supply
161. Thermopolis Storage and Raw Water
162. Three Horses Watershed Study
163. Thunder Basin Watershed Studies I and II
164. Upper Green River Westside Storage
165. Upper Wind River Storage
166. Wagner Cherokee Irrigation Rehabilitation
167. Wamsutter Well 2010
168. Washakie County Safety
169. Weather Modification – Salt River and Wyoming Ranges
170. Westside Irrigation NEPA
171. Wheatland ID Master Plan
172. Wheatland ID System Phase II
173. Wheatland Master Plan
174. Willwood ID Rehabilitation, GIS
175. Wind River/Big Horn River Basin Plan Update
176. Wind River Glaciers
177. Worland Area Irrigated Lands GIS
178. Worland Eastside Transmission Line
179. Worland Wells Test
180. Wright Master Plan
181. Yoder Groundwater Project
182. 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 Feasibiity 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 Instrream Flow Segment No. 1 Temporary Filing No. 27 1/186
22. Feasibility of Providing Deer Creek Instream Flows in Segment No. 1 - Deer Creek Canyon Temporary Filing No. 27/3/185
23. Report on the Feasibility of Providing Instream Flow in Segments 1 and 2 of Shell Creek
24. Report on the Feasibility of Providing Instream Flow in Segment 1 of the Sweetwater River
25. Report on the Feasibility of Providing Instream Flow in Grey's River Instream Flow Segment No. 1 Temporary Filing No. 28 2/159
26. Report on the Feasibility of Providing Instream Flow in Fish Creek Instream Flow Segment No. 1 and No. 2 Temporary Filing No. 28 4/158 and No. 28 5/158
27. Report on the Feasibility of Providing Instream Flow in Salt River Instream Flow Segment No. 1 Temporary Filing No. 28 3/80
28. Report on the Feasibility of Providing Instream Flow in East Fork Smiths Fork Creek Instream Flow Segment No. 1 Temporary Filing No. 28 2/84
29. Final Report of the Savery Area Instream Flow Study
30. Report on the Feasibility of Providing Instream Flow in the Salt Creek/Thomas Fork Drainage for Water Canyon; Giraffe Creek; Coal Creek; Raymond Creek; Salt Creek; Huff Creek
31. Final Report on the Feasibility of Providing Instream Flow in the Little Popo Agie River Instream Flow Segment No. 1 Temporary Filing No. 28 3/159
32. Report on the Feasibility of Providing Instream Flow in the Medicine Lodge Creek Instream Flow Segment No. 1 Temporary Filing No. 27 2/146
33. Report on the Feasibility of Providing Instream Flow in the Salt Creek/Thomas Fork Drainage for Packstring Creek Segment; Little White Creek Segment
34. Report on the Feasibility of Providing Instream Flow in the Smiths Fork Drainage for Smiths Fork; Porcupine Creek; Hobble Creek; Coantag Creek; Coal Creek; Poker Hollow Creek; Lander Creek; Trespass Creek; North Fork Smiths Fork River
35. Report on the Feasibility of Providing Instream Flow in the Hams Fork Instream Flow Segment No. 1 Temporary Filing No. 26 2/332
36. Report on the Green River Tibutaries #2 Instream Flow for Gilbert Creek; Little Gilbert Creek; Sage Creek; Currant Creek; Trout Creek; Red Creek
37. Reports on the Feasibility of Providing Instream Flow in Pine Creek (at Pinedale) Direct Flow Instream Flow Filing No. 31 4/105 Secondary Storage Instream Flow Filing No. 31 5/70 (From Permit Nos. 4452R, 4453R & 4465R)

38. Report on the Instream Flow Feasibility for Dry Fork Tributary of the Little Big Horn Creek Segment
39. Report on the Instream Flow Feasibility for Wagonhound Creek
40. Report on the Instream Flow Feasibility for Clear Creek - Segment #1; Clear Creek - Segment #2
41. Reports on the Feasibility of Providing Instream Flows on Greybull River Tributaries
42. Reports on the Feasibility of Providing Instream Flows on Wood River Tributaries
43. Rock Creek Instream Flow Study, Rock Creek Instream Flow, TFN 33 1/276
44. Marquette Creek and Trout Creek Instream Flow Level I Study, Marquette Creek Instream Flow, TFN 33 5/275; Trout Creek Instream Flow, TFN 33 6/275
45. East Fork Wind River Area Instream Flows, Level I Study
46. Greys-Hoback Basin Instream Flows, Level I Study

Completed Construction (Level III) Projects

01. **PROJECT:** **33 Mile Pump Station**
SPONSOR: 33 Mile Road Improvement & Service District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $139,695.00
ACTUAL EXPENDITURES: $129,827.53
DESCRIPTION: Construction of a booster pump station near the intersection of 33 Mile Road and Enberg Road to alleviate low water pressures being experienced by the residents.
ENGINEER: Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR: Wayne Coleman Construction, Inc.; Casper, WY
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2011

02. **PROJECT:** **Afton Springs Water Supply**
SPONSOR: Town of Afton
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $450,000
ACTUAL EXPENDITURES: $450,000
DESCRIPTION: Renovation of Periodic Springs intake and pipeline to protect from rock fall
ENGINEER: BRS, Inc.; Riverton, WY
CONTRACTOR: Roberts Construction; Evanston, WY
Kilroy and Company; Alpine, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 2000

03. **PROJECT:** **Afton Water Supply**
SPONSOR: Town of Afton
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $2,600,000
ACTUAL EXPENDITURES: $2,518,911
DESCRIPTION: Spring renovation, pipeline, storage tank, well
ENGINEER: Sunrise Engineering; Afton, WY

	CONTRACTOR:	Kilroy Construction; Alpine, WY Snyder Construction; Lyman, WY AG SERVICES, Inc.; Blackfoot, ID
	YEAR COMPLETED:	1994
	SESSION LAW YEAR:	1991

04.	**PROJECT:**	**Afton Well**
	SPONSOR:	Town of Afton
	LOCATION:	Lincoln County
	PROGRAM:	New Development
	APPROPRIATION:	$250,000
	ACTUAL EXPENDITURES:	$250,000
	DESCRIPTION:	Well house, meter, well controls and pipeline
	ENGINEER	Sunrise Engineering; Afton, WY
	CONTRACTOR:	Johnson Excavation, Inc.; Inkom, ID
	YEAR COMPLETED:	2008
	SESSION LAW YEAR:	2006

05.	**PROJECT:**	**Airport Bench Water Supply**
	SPONSOR:	Airport Bench W&S District
	LOCATION:	Big Horn County (Greybull)
	PROGRAM:	New Development
	APPROPRIATION:	$225,000
	ACTUAL EXPENDITURES:	$225,000
	DESCRIPTION:	Pipeline, storage tank
	ENGINEER:	Engineering Associates; Cody, WY
	CONTRACTOR:	Whitlock Construction; Powell, WY
	YEAR COMPLETED:	1995
	SESSION LAW YEAR:	1991

06.	**PROJECT:**	**Albin 2005 Well**
	SPONSOR:	Town of Albin
	LOCATION:	Laramie County
	PROGRAM:	New Development
	APPROPRIATION:	$227,280
	ACTUAL EXPENDITURES:	$155,274.35
	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:	$ 7,408.84
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:	$87,162.71
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:	$418,670.62
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: **Antelope Valley Water Supply**

SPONSOR:	Antelope Valley Improvement & Service District
LOCATION:	Campbell County
PROGRAM:	New Development
APPROPRIATION:	$102,000.00
ACTUAL EXPENDITURES:	$ 94,106.55
DESCRIPTION:	New Well
ENGINEER:	Wester-Wetstein and Associates; Laramie, WY
CONTRACTOR:	Michael's Construction; Gillette; WY
YEAR COMPLETED:	2004
SESSION LAW YEAR:	2000

16. 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

17. PROJECT: Baggs Water Supply
SPONSOR: Town of Baggs
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $120,000
ACTUAL EXPENDITURES: $114,518.81
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

18. 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

19. 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
20.	**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
21.	**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
22.	**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
23.	**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

24. **PROJECT:** **Bedford Water Tank**
SPONSOR: Bedford Water & Sewer District
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $835,000.00
ACTUAL EXPENDITURES: $652,891.06
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

25. **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

26. **PROJECT:** **Big Horn Canal Improvements**
SPONSOR: Big Horn Canal Irrigation District
LOCATION: Washakie and Big Horn Counties
PROGRAM: Rehabilitation
APPROPRIATION: $693,000
ACTUAL EXPENDITURES: $485,420
DESCRIPTION: Elk Creek Siphon
ENGINEER: Natural Resources Conservation Service
Donnell & Allred, Inc.; Worland, WY
CONTRACTOR: Big Horn Redi-Mix; Greybull, WY
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1995

27. **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

28. 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

29. 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:	$23,838,600.00
ACTUAL EXPENDITURES:	$23,105,228.32
DESCRIPTION:	Regional transmission pipeline.
ENGINEER:	HKM Engineering; Sheridan, WY John Donnell - Water Rights Contractor; Worland, WY Engineering Associates; Cody, WY
CONTRACTOR:	Lamax Construction; Basin, WY COP Construction; Sheridan, WY
YEAR COMPLETED:	2012
SESSION LAW YEAR:	2002, 2004, 2007, 2012

30. 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

31. 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

32. PROJECT: **Big Piney Water Supply Project**

SPONSOR:	Town of Big Piney
LOCATION:	Sublette County
PROGRAM:	New Development
APPROPRIATION:	$512,500
ACTUAL EXPENDITURES:	$492,865.93
DESCRIPTION:	Storage tank, transmission pipeline, metering station
ENGINEER:	Rendezvous, Engineering; Jackson, WY
CONTRACTOR:	Transmission line – Rice-Kilroy Construction; Dubois, WY Storage tank – Caldwell Tanks, Inc.; Louisville, KY Controls – PFIX Controls; Alabaster, AL Meter Building – Moose Valley Construction; Big Piney, WY
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2003, 2005

33. 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

34. 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

35. 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
36.	**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
37.	**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
38.	**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
39.	**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
40.	**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
41.	**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
42.	**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
43.	**PROJECT:**	**Buffalo Valley Water Supply**
	SPONSOR:	Buffalo Valley Water District
	LOCATION:	Teton County
	PROGRAM:	New Development
	APPROPRIATION:	$475,000
	ACTUAL EXPENDITURES:	$454,711.14
	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
44.	**PROJECT:**	**Buffalo Water Storage Tank**
	SPONSOR:	Town of Buffalo
	LOCATION:	Johnson County
	PROGRAM:	New Development
	APPROPRIATION:	2003: $2,152,500.00 2005: $ 550,000.00 2006: $ 576,870.00
	TOTAL:	$3,279,370.00
	ACTUAL EXPENDITURES:	$2,938,260.47
	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
45.	**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
46.	**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
47.	**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

48. **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

49. **PROJECT:** **Canyon Water Supply**

SPONSOR:	Canyon Improvement & Service District
LOCATION:	Weston County
PROGRAM:	New Development
APPROPRIATION:	$1,457,600.00
ACTUAL EXPENDITURES:	$ 642,915.26
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

50. **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

51. **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

52. 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

53. 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

54. 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

55. 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

56. **PROJECT:** **Casper Paradise Valley Pipeline**

SPONSOR:	City of Casper
LOCATION:	Natrona County
PROGRAM:	New Development
APPROPRIATION:	$1,139,000
ACTUAL EXPENDITURES:	$595,993.60
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

57. **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

58. **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

59. **PROJECT:** **Casper Rock Creek Dam Rehabilitation**

SPONSOR:	City of Casper
LOCATION:	Fremont County (Project), Natrona County (Beneficiary)
PROGRAM:	Rehabilitation
APPROPRIATION:	$834,150.00
ACTUAL EXPENDITURES:	$834,150.00
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

60. PROJECT: Casper Zone II
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Construction
APPROPRIATION: $3,188,000
ACTUAL EXPENDITURES: $1,366,400.72
DESCRIPTION: This project was constructed in two phases. The first phase consisted of a transmission pipeline that was installed as part of the 21st street extension. The second phase was the construction of the remainder of the transmission pipeline and water storage tank east of Casper.
ENGINEER: Civil Engineering Professionals, Inc.
CONTRACTORS: JTL Group; Cheyenne, WY
Hedquist Construction, Inc.; Casper, WY
YEAR COMPLETED: 2007
SESSION LAW YEAR: 2002

61. PROJECT: Casper Zone II – Phase II
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,300,000
ACTUAL EXPENDITURES: $1,150,291.66
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

62. PROJECT: Casper Zone III
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Construction
APPROPRIATION: $3,200,000.00
ACTUAL EXPENDITURES: $1,873,847.71
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

63. PROJECT: Casper Zone IV Improvements
SPONSOR: City of Casper
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $663,300.00
ACTUAL EXPENDITURES: $475,538.10

	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
64.	**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
65.	**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
66.	**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
67.	**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:	$473,730.23
	DESCRIPTION:	Concrete spillway rehabilitation
	ENGINEER:	States West Water Resources; Cheyenne, WY

	CONTRACTOR:	Domson Incorporated; Torrington, WY
	YEAR COMPLETED:	2009
	SESSION LAW YEAR:	2008
68.	**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
69.	**PROJECT:**	**Cheyenne Raw Water Supply**
	SPONSOR:	City of Cheyenne
	LOCATION:	Laramie County
	PROGRAM:	Rehabilitation
	APPROPRIATION:	$1,800,000
	ACTUAL EXPENDITURES:	$1,800,000
	DESCRIPTION:	Irrigation of park lands
	ENGINEER:	States West Water Resources Corporation; Cheyenne, WY
	CONTRACTOR:	Excel Construction; Sheridan, WY
	YEAR COMPLETED:	1999
	SESSION LAW YEAR:	1997
70.	**PROJECT:**	**Cheyenne Raw Water Supply #2**
	SPONSOR:	City of Cheyenne
	LOCATION:	Laramie County
	PROGRAM:	New Development
	APPROPRIATION:	$5,000,000
	ACTUAL EXPENDITURES:	$4,992,769
	DESCRIPTION:	Transmission lines from the Crow Creek Wastewater plant to cemeteries. East High fields, VA center grounds, parkways, softball fields, and golf courses.
	ENGINEER:	States West Water Resources Corp.; Cheyenne, WY
	CONTRACTOR:	Mechanical Systems Inc.; Cheyenne WY
	YEAR COMPLETED:	2008
	SESSION LAW YEAR:	2003
71.	**PROJECT:**	**Cheyenne South Crow Dam Water Supply Rehabilitation Project**
	SPONSOR:	City of Cheyenne
	LOCATION:	Laramie County
	PROGRAM:	Rehabilitation
	APPROPRIATION:	$750,000
	ACTUAL EXPENDITURES:	$554,807.46
	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

72. PROJECT: Cheyenne Stage I Rehabilitation
SPONSOR: City of Cheyenne
LOCATION: Carbon and Albany Counties
PROGRAM: Rehabilitation
APPROPRIATION: $13,700,000
ACTUAL EXPENDITURES: $12,126,939.21
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

73. 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 WTP
ENGINEER: Black and Veatch; Aurora, CO
CONTRACTOR: TCI Wyoming, Inc.; Casper, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2000, 2003, 2005

74. 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

75. 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

76. 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

77. 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

78. 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

79. 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

80. 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

81. 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

82. 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

83. 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

84. **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

85. **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

86. **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

87. **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

88. 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

89. 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

90. PROJECT: **Crestview Water Supply**

SPONSOR:	Crestview Estates Improvement & Service District
LOCATION:	Campbell County
PROGRAM:	Rehabilitation
APPROPRIATION:	$41,000
ACTUAL EXPENDITURES:	$24,382.30
DESCRIPTION:	Tie in to Antelope Valley System
ENGINEER:	Bruce Engineering; Gillette, WY
CONTRACTOR:	EXP Backhoe; Gillette, WY
YEAR COMPLETED:	2004
SESSION LAW YEAR:	2000

91. 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

92. 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
93	**PROJECT:**	**Dayton Water Supply Rehabilitation**
	SPONSOR:	Town of Dayton
	LOCATION:	Sheridan County
	PROGRAM:	Rehabilitation
	APPROPRIATION:	$619,200
	ACTUAL EXPENDITURES:	$619,200
	DESCRIPTION:	Replacement of a Water Transmission Line from the Water Treatment Plant to town and construction of a booster pump station at the Water Treatment Plant.
	ENGINEER:	Entech, Inc. HKM Engineering; Sheridan, WY
	CONTRACTOR:	Western Municipal; Sheridan, WY Hofer Building
	YEAR COMPLETED:	2006
	SESSION LAW YEAR:	2001 and 200
94.	**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
95.	**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

96. 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

97. 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

98. 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

99. 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
SESSUIB LAW YEAR:	1991

100. PROJECT: **Douglas Water Supply Project**

SPONSOR:	City of Douglas
LOCATION:	Converse County
PROGRAM:	New Development
APPROPRIATION:	$2,070,000
ACTUAL EXPENDITURES:	$2,031,652.28
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

101. PROJECT: **Downer Neighborhood Water Supply**

SPONSOR:	Downer Neighborhood Improvement and Service District
LOCATION:	Sheridan County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,198,000.00
ACTUAL EXPENDITURES:	$ 868,650.05
DESCRIPTION:	Pipeline rehabilitation
ENGINEER:	HKM Engineering; Sheridan, WY
CONTRACTOR:	Hot Iron Construction; Gillette, WY
YEAR COMPLETED:	2003
SESSION LAW YEAR:	1999, 2001

102. 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

103. 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
104.	**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
105.	**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
106.	**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:	$1,460,402.42
	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
107.	**PROJECT:**	**Eden Valley Rehabilitation 2011**
	SPONSOR:	Eden Valley Irrigation and Drainage District
	LOCATION:	Sweetwater County
	PROGRAM:	Rehabilitation
	APPROPRIATION:	$1,713,000.00
	ACTUAL EXPENDITURES:	$1,710,430.82
	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
108.	**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
109.	**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
110.	**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
111.	**PROJECT:**	**Encampment Raw Water Line**
	SPONSOR:	Town of Encampment
	LOCATION:	Carbon County
	PROGRAM:	Rehabilitation
	APPROPRIATION:	$400,000
	ACTUAL EXPENDITURES:	$268,043.41
	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
112.	**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
113.	**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
114.	**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
115.	**PROJECT:**	**Etna Water Supply**
	SPONSOR:	Etna Water and Sewer District
	LOCATION:	Lincoln County
	PROGRAM:	New Development
	APPROPRIATION:	$690,000.00
	ACTUAL EXPENDITURES:	$630,665.55
	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

116. 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

117. 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

118. 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

119. 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

120. 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

121. PROJECT: **Farview Water Supply**

SPONSOR:	Farview Water District
LOCATION:	Fremont County
PROGRAM:	New Development
APPROPRIATION:	$100,000.00
ACTUAL EXPENDITURES:	$97,632.45
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

122. 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:	$216,774.52
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

123. 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

124. 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

125. 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

126. 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

127. PROJECT: **Gillette Central Zone Isolation Project**

SPONSOR:	City of Gillette
LOCATION:	Campbell County
PROGRAM:	Rehabilitation
APPROPRIATION:	$759,500
ACTUAL EXPENDITURES:	$379,620.86
DESCRIPTION:	New transmission line
ENGINEER:	Stetson Engineering; Gillette, WY
CONTRACTOR:	Hot Iron Inc.; Gillette, WY
YEAR COMPLETED:	2004
SESSION LAW YEAR:	2001, 2002

128. PROJECT: **Gillette Fort Union Well Field**

SPONSOR:	City of Gillette
LOCATION:	Campbell County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,725,000

ACTUAL EXPENDITURES: $1,331,818.25
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

129. PROJECT: Gillette Fort Union Well Field – Phase I
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $1,000,000.00
ACTUAL EXPENDITURES: $ 107,763.56
DESCRIPTION: Well field and transmission pipeline
ENGINEER: Wester-Wetstein & Assoc.; Laramie, WY
CONTRACTOR: None
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005

130. PROJECT: Gillette Fort Union Wells
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $6,970,000
ACTUAL EXPENDITURES: $4,497,726.42
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

131. PROJECT: Gillette Hidden Valley Storage and Transmission
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $1,350,000
ACTUAL EXPENDITURES: $1,028,531.14
DESCRIPTION: Storage Tank, Pipeline
ENGINEER: Stetson Engineering, Gillette, WY
CONTRACTOR: DRM Inc.; Gillette, WY
SESSION LAWS: 2000
COMPLETION YEAR: 2002

132. PROJECT: Gillette Madison and Pine Ridge Tanks
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: Rehabilitation
APPROPRIATION: $550,000
ACTUAL EXPENDITURES: $531,986.32

	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
133.	**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
134.	**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
135.	**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
136.	**PROJECT:**	**Gillette Storage & East End Transmission Improvements**
	SPONSOR:	City of Gillette
	LOCATION:	Campbell County
	PROGRAM:	New Development

APPROPRIATION: $2,040,000
ACTUAL EXPENDITURES: $1,095,729.01
ENGINEER: Stetson Engineering; Gillette, WY
PCA; Gillette, WY.
CONTRACTOR: Larry's Inc.; Gillette, WY
DRM; Gillette, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

137. PROJECT: Glendo Well
SPONSOR: Town of Glendo
LOCATION: Platte County
PROGRAM: New Development
APPROPRIATION: $780,000
ACTUAL EXPENDITURES: $292,404.37
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

138. PROJECT: Glenrock Groundwater Supply
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $1,822,000
ACTUAL EXPENDITURES: $1,639,709.09
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

139. PROJECT: Glenrock Sunup Ridge Tank Rehabilitation
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: Rehabilitation
APPROPRIATION: $132,750
ACTUAL EXPENDITURES: $129,824.41
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

140. PROJECT: Glenrock Tank Rehabilitation
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $ 1,236,835.00
ACTUAL EXPENDITURES: $ 846,617.26
DESCRIPTION: Storage tank, yard piping

ENGINEER: CEPI; Casper, WY
CONTRACTOR: EAI; Loveland, CO
COMPLETION DATE: 2008
SESSION LAW YEAR: 2006

141. 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

142. 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

143. 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

144. 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

145. 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

146. 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

147. 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

148. PROJECT: Goshen Rehabilitation 2009

SPONSOR:	Goshen Irrigation District
LOCATION:	Goshen County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,200,000.00
ACTUAL EXPENDITURES:	$1,126,138.93

	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
149.	**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
150.	**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
151.	**PROJECT:**	**Green River Supply Canal Rehabilitation**
	SPONSOR:	Green River Irrigation District
	LOCATION:	Sublette County
	PROGRAM:	Rehabilitation
	APPROPRIATION:	$350,000
	ACTUAL EXPENDITURES:	$346,960.78
	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
152.	**PROJECT:**	**Greybull Crossing and Tank Project**
	SPONSOR:	Town of Greybull
	LOCATION:	Big Horn County
	PROGRAM:	New Construction
	APPROPRIATION:	$1,850,000.00
	ACTUAL EXPENDITURES:	$1,255,658.05

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

153. PROJECT: Greybull Highway 14 Crossing
SPONSOR: Town of Greybull
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $240,000.00
ACTUAL EXPENDITURES: $ 77,221.77
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

154. PROJECT: Greybull Pipeline and Well Improvements Project
SPONSOR: Town of Greybull
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $1,470,000.00
ACTUAL EXPENDITURES: $ 860,854.21
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

155. 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

156. 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

157. 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

158. 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

159. 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

160. 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

161. 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

162. PROJECT: GVID Upper Sunshine Diversion
SPONSOR: Greybull Valley Irrigation District
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $3,900,000
ACTUAL EXPENDITURES: $3,891,391.44
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

163. 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

164. 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

165. 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

166. 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

167. 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

168. 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

169. PROJECT: **Heart Mountain Rehabilitation**

SPONSOR:	Heart Mountain Irrigation District
LOCATION:	Park County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,574,500.00
ACTUAL EXPENDITURES:	$ 835,030.14
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

170. 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

171. 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

172. PROJECT: **Highline Canal**

SPONSOR:	Shell Valley Watershed Improvement District
LOCATION:	Big Horn County
PROGRAM:	Rehabilitation
APPROPRIATION:	$808,050.00
ACTUAL EXPENDITURES:	$714,608.00
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

173. 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

174. 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

175. 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

176. PROJECT: Hopkins Producers Supply
SPONSOR: Hopkins Producers Irrigation District
LOCATION: Johnson County
PROGRAM: Rehabilitation
APPROPRIATION: $703,500
ACTUAL EXPENDITURES: $702,537.78
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

177. 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

178. 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

179. PROJECT: Hugus-Mullison Ditch (Hugus Ditch)
SPONSOR: Hugus Watershed improvement District
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $325,000
ACTUAL EXPENDITURES: $303,107.31
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

180. 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

181. 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

182. PROJECT: Hyattville Water Supply Project
SPONSOR: Hyattville Improvement and Service District
LOCATION: Big Horn County
PROGRAM: New Construction
APPROPRIATION: $835,000
ACTUAL EXPENDITURES: $793,424.08
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

183. 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

184. 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

185. 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

186. PROJECT: Jackson Storage Tanks
SPONSOR: Town of Jackson
LOCATION: Teton County
PROGRAM: New Development
APPROPRIATION: $4,000,000
ACTUAL EXPENDITURES: $3,509,229.90
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

187. 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

188. 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

189. PROJECT: Kaycee Storage & Transmission

SPONSOR:	Town of Kaycee
LOCATION:	Johnson County
PROGRAM:	New Development
APPROPRIATION:	$2,350,000.00
ACTUAL EXPENDITURES:	$1,174,883.39
DESCRIPTION:	Storage tank, transmission pipeline, control valves
ENGINEER:	CEPI; Casper, WY
CONTRACTOR:	High Plains; Casper, WY
COMPLETION DATE	4/21/2009
SESSION LAW	2006

190. 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

191. 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

192. 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

193. **PROJECT:** **Kirby Municipal Project**

SPONSOR:	Town of Kirby
LOCATION:	Hot Springs County
PROGRAM:	New Construction
APPROPRIATION:	$608,000
ACTUAL EXPENDITURES:	$203,356.59
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

194. **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

195. **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

196. **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

197. 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 build up 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

198. 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

199. 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:	$314,184.95
DESCRIPTION:	Transmission Pipelines
ENGINEER:	Civil Engineering Professionals, Inc.; Casper, WY
CONTRACTOR:	Hedquist Construction, Inc., Casper, WY
YEAR COMPLETED:	2002
SESSION LAW YEAR:	2000

200. 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

201. PROJECT: **Lander Intake Facilities**

SPONSOR:	City of Lander
LOCATION:	Fremont County
PROGRAM:	Rehabilitation
APPROPRIATION:	$200,000
ACTUAL EXPENDITURES:	$108,642.13
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

202. PROJECT: **Lander Water Supply Rehabilitation**

SPONSOR:	City of Lander
LOCATION:	Fremont County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,696,000
ACTUAL EXPENDITURES:	$1,016,076.91
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

203. 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

204. 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

205. PROJECT: **Laramie County Archer Water Supply**

SPONSOR:	Laramie County
LOCATION:	Laramie County
PROGRAM:	New Development
APPROPRIATION:	$201,000.00

ACTUAL EXPENDITURES: $115,153.31
DESCRIPTION: Drilling, testing and completion of a production well
ENGINEER: Western R&D; Cheyenne, WY
Dahlgren Consulting, Inc.; Cheyenne, WY
CONTRACTOR: Sargent Irrigation; Broken Bow, NE
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2009

206. PROJECT: Laramie East Side Tank
SPONSORS: City of Laramie
LOCATION: Albany County
PROGRAM: New Development
APPROPRIATION: $4,780,000
ACTUAL EXPENDITURES: $4,756,141.55
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

207. PROJECT: Laramie North Side Supply
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $4,240,000
ACTUAL EXPENDITURES: $3,919,669.76
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

208. PROJECT: **Laramie Rehabilitation**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $1,750,000
ACTUAL EXPENDITURES: $1,546,216.32
DESCRIPTION: Replacement of water supply pipelines; New pumphouse; Reservoir rehabilitation
ENGINEER: Western Water Consultants; Laramie, WY
Wester-Wetstein & Associates; Laramie WY
CONTRACTOR: Johnson's Pump and Excavating; Wheatland, WY
Domino Construction, Laramie, WY; High Plains Construction; Mills, WY; Bartlett Inc.; Hanna, WY

YEAR COMPLETED:	1999
SESSION LAW YEAR:	1995, 1996

209. 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

210. 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

211. PROJECT: Laramie Water Management Project (meters)

SPONSOR:	City of Laramie
LOCATION:	Albany County
PROGRAM:	Rehabilitation
APPROPRIATION:	$97,150
ACTUAL EXPENDITURES:	$70,421.76
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

212. PROJECT: Laramie Water Supply

SPONSOR:	City of Laramie
LOCATION:	Albany County
PROGRAM:	New Development
APPROPRIATION:	$4,400,000
ACTUAL EXPENDITURES:	$3,124,801.45
ENGINEER:	Western Water Consultants; Laramie WY;
CONTRACTOR:	High Plains Construction; Casper, WY
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1995, 1996

213. PROJECT: **Laramie West Storage**

SPONSOR:	City of Laramie
LOCATION:	Albany County
PROGRAM:	New Development
APPROPRIATION:	$2,950,000
ACTUAL EXPENDITURES:	$2,852,065.26
ENGINEER:	Wester-Wetstein & Associates; Laramie WY
CONTRACTOR:	High Plains Construction; Casper, WY
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1999

214. 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

215. 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

216. 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

217. PROJECT: **Lingle Water Supply Phase II**

SPONSOR:	Town of Lingle
LOCATION:	Goshen County
PROGRAM:	Rehabilitation

APPROPRIATION: $711,000
ACTUAL EXPENDITURES: $693,035
DESCRIPTION: Higher elevation standpipe, upgrade pipelines
ENGINEER: BenchMark of Torrington, P.C.; Torrington, WY
CONTRACTOR: Strong Construction, Inc.; Torrington, WY
YEAR COMPLETED: 2005
SESSION LAW DATE: 2002

218. PROJECT: Lingle Water Supply System Rehabilitation
SPONSOR: Town of Lingle
LOCATION: Goshen County
PROGRAM: Rehabilitation
APPROPRIATION: $400,000
ACTUAL EXPENDITURES: $312,228
DESCRIPTION: Upgrade transmission pipelines
ENGINEER: BenchMark of Torrington, P.C.; Torrington, WY
CONTRACTOR: Scott and Son, Inc.; Torrington, WY
YEAR COMPLETED: 2001
SESSION LAW DATE: 1999

219. PROJECT: Little Snake Rehabilitation
SPONSOR: Little Snake Conservancy District
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $2,700,000
ACTUAL EXPENDITURES: $2,700,000
DESCRIPTION: Diversion Dam Replacements and Canal Repairs
ENGINEER: States West Inc.; Cheyenne, WY
CONTRACTOR: Bartlett Construction; Hanna, WY
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1993

220. 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

221. PROJECT: Little Snake River Small Dams & Reservoirs
SPONSOR: Little Snake River Conservation District
LOCATION: Carbon County
PROGRAM: New Development
APPROPRIATION: $852,000
ACTUAL EXPENDITURES: $846,155.99
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

222. 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

223. PROJECT: Lovell Rehabilitation 2009
SPONSOR: Lovell Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $432,000.00
ACTUAL EXPENDITURES: $427,339.07
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

224. 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

225. PROJECT: Lovell Transmission Pipelines
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

226. 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

227. 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

228. 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

229. 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

230. 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

231. PROJECT: **McNutt Water Supply**

SPONSOR:	McNutt Improvement and Service District
LOCATION:	Washakie County
PROGRAM:	New Development
APPROPRIATION:	$25,000
ACTUAL EXPENDITURES:	$23,317.28 (Level II)
DESCRIPTION:	Potable water delivery system.
ENGINEER:	BRS, Inc.; Riverton, Wyoming
CONTRACTOR:	None
YEAR COMPLETED:	N.A.
SESSION LAW YEAR:	1999

232. 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

233. 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

234. PROJECT: **Meeteetse Storage Tank Rehabilitation**

SPONSOR:	Town of Meeteetse
LOCATION:	Park County

PROGRAM: Rehabilitation
APPROPRIATION: $125,000
ACTUAL EXPENDITURES: $104,830.77
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

235. 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

236. PROJECT: Midvale Canal Rehabilitation
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $230,000
ACTUAL EXPENDITURES: $165,890
DESCRIPTION: Wyoming Canal 2nd Division Drop Structure Replacement
ENGINEER: APEX Surveying; Riverton, WY
MATERIALS: Cretex Concrete Products; Casper WY
Pacific Steel & Recycling; Mills WY
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2007

237. 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

238. 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

239. PROJECT: Midvale Rehabilitation 2010
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $263,000
ACTUAL EXPENDITURES: $207,530
DESCRIPTION: Wyoming Lateral 44.1 pipeline
ENGINEER: Natural Resources Conservation District; Casper, WY
APEX Surveying; Riverton, WY
CONTRACTOR: Midvale Irrigation District
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2010

240. 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

241. 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

242. 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

243. PROJECT: Mile-Hi Water Supply Project
SPONSOR: Mile-Hi Improvement and Service District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,015,360.00
ACTUAL EXPENDITURES: $595,593.42
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

244. 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

245. 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

246. 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

247. 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

248. 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:	$25,421,544.86
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

249. 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, 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

250. PROJECT: Nine Mile Water Supply

SPONSOR:	Nine Mile Water and Sewer District
LOCATION:	Albany County

PROGRAM: New Development
APPROPRIATION: $920,000
ACTUAL EXPENDITURES $526,698.70
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

251. PROJECT: North Alpine
SPONSOR: North Alpine Improvement and Service District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $257,000
ACTUAL EXPENDITURES $254,761.42
DESCRIPTION: Water system including new wells, buried storage transmission lines, control house and pump station.
ENGINEER: Sunrise Engineering; Afton, WY
Rondezvous Engineering; Jackson, WY
CONTRACTOR: VanDeburg Excavation; Thayne, WY
Thomas Drilling; Afton, WY
COMPLETION DATE: October 2005
SESSION LAW: 2003

252. PROJECT: North Fork Crazy Woman Rehabilitation
SPONSOR: Crazy Woman Watershed Improvement District
LOCATION: Johnson County
PROGRAM: Rehabilitation
APPROPRIATION: $650,000
ACTUAL EXPENDITURES: $471,366
DESCRIPTION: Canal improvements, pipeline
ENGINEER: HKM Associates; Sheridan, Y
CONTRACTOR: S&S Builders; Gillette, Wyoming
Mollinax Concrete Service Company; Sheridan, WY
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1992

253. 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 (approx)
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

254. 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

255. 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

256. 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

257. PROJECT: North Wright Transmission Line
SPONSOR: Wright Water & Sewer District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $434,000
ACTUAL EXPENDITURES: $428,743.45
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

258. PROJECT: Oakley Water Supply
SPONSOR: Oakley Service and Improvement District
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $176,000
ACTUAL EXPENDITURES: $155,710.92
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

259. 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

260. 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

261. PROJECT: Pathfinder Modification Project
SPONSOR: State of Wyoming
LOCATION: Natrona County
PROGRAM: Dams and Reservoirs
APPROPRIATION: $8,500,000.00
ACTUAL EXPENDITURES: $5,997,076.07
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

262. 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

263. 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

264. PROJECT: **Pine Bluffs Deep Well 2009**

SPONSOR:	Town of Pine Bluffs
LOCATION:	Laramie County
PROGRAM:	New Development
APPROPRIATION:	$583,570.00
ACTUAL EXPENDITURES:	$319,343.69
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

265. 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

266. 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

267. 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

268. 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

269. 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

270. 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

271. 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

272. PROJECT: Pinedale Intake Project
SPONSOR: Town of Pinedale
LOCATION: Sublette County
PROGRAM: New Development
APPROPRIATION: $193,000.00
ACTUAL EXPENDITURES: $ 63,050.54
DESCRIPTION: Rock cover over existing lake intake
ENGINEER: Rio Verde Engineering.; Pinedale, WY
CONTRACTOR: Noble Construction; Pinedale, WY
SESSION LAWS: 2002
COMPLETION DATE: 2003

273. 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

274. 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

275. 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

276. 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

277. 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

278. 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

279. 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

280. 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

281. PROJECT: **Powell Transmission Pipeline Project**

SPONSOR:	City of Powell
LOCATION:	Park County
PROGRAM:	New Construction
APPROPRIATION:	$1,689,070.00
ACTUAL EXPENDITURES:	$ 454,815.38
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

282. 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

283. PROJECT: Ranchester Storage Tank
SPONSOR: Town of Ranchester
LOCATION: Sheridan
PROGRAM: Rehabilitation
APPROPRIATION: $454,000
ACTUAL EXPENDITURES: $373,581.77
DESCRIPTION: New storage tank
ENGINEER: EnTech Engineering, Inc.; Sheridan, WY
CONTRACTOR: EAI West, Inc.; Loveland, CO
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005, 2006

284. PROJECT: Rawlins Atlantic Rim Pipeline
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $3,900,000
ACTUAL EXPENDITURES: $2,621,202.45
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

285. 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

286. 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

287. 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

288. 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

289. PROJECT: Rawlins Water Supply
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation
APPROPRIATION: $3,810,000
ACTUAL EXPENDITURES: $3,547,318.05
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

290. 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

291. 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

292. PROJECT: Riverton Raw Water Supply Rehabilitation Project
SPONSOR: City of Riverton
LOCATION: Frement County
PROGRAM: Rehabilitation
APPROPRIATION: $1,086,500.00
ACTUAL EXPENDITURES: $ 64,293.30 (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

293. 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

294. 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

295. PROJECT: Riverton Valley Pipeline Relocation
LEVEL: III
SPONSOR: Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $670,000.00
ACTUAL EXPENDITURES: $583,593.86
DESCRIPTION: Relocate pipeline in highway right-of-way
ENGINEER: Apex: Riverton WY
CONTRACTOR: Paul Reed; Torrington WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2009

296. 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

297. 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

298. 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: $105,024.36
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

299. 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

300. 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

301. 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

302. 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

303. PROJECT: **Rolling Hills Well**

SPONSOR:	Town of Rolling Hills
LOCATION:	Converse County
PROGRAM:	Rehabilitation
APPROPRIATION:	$225,000
ACTUAL EXPENDITURES:	$205,722.67
DESCRIPTION:	New Well
ENGINEER:	Wester-Wetstein and Associates; Laramie, WY
CONTRACTOR:	Ruby Drilling; Gillette, WY
YEAR COMPLETED:	2001
SESSION LAW YEAR:	2000

304. 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

305. 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

306. PROJECT: **Saratoga Storage Standpipe Rehabilitation**

SPONSOR:	Town of Saratoga and Carbon County Impact JPB
LOCATION:	Carbon County
PROGRAM:	Rehabilitation
APPROPRIATION:	$200,000
ACTUAL EXPENDITURES:	$172,569.26
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

307. 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

308. 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

309. PROJECT: **Shell Canal Tunnel Rehabilitation**

SPONSOR:	Shell Valley Watershed Improvement District
LOCATION:	Big Horn County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,220,000
ACTUAL EXPENDITURES:	$611,660.50
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

310. 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

311. PROJECT: **Sheridan Area Water Supply**

LEVEL:	III
PROGRAM:	New Development
SPONSOR:	Sheridan Area Water Supply Joint Powers Board
LOCATION:	Sheridan County
PROGRAM:	New Development
APPROPRIATION:	$37,206,000
ACTUAL EXPENDITURES:	$37,206,000
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

312. PROJECT: **Sheridan/Big Goose Slip Lining**

SPONSOR:	City of Sheridan
LOCATION:	Sheridan County
PROGRAM:	Rehabilitation
APPROPRIATION:	$427,020
ACTUAL EXPENDITURES:	$354,852.45
DESCRIPTION:	Cement mortar lining of transmission pipelines
ENGINEER:	DOWL HKM; Sheridan, WY
CONTRACTOR:	Spiniello Companies; Pomona, CA
YEAR COMPLETED:	2011
SESSION LAW YEAR:	2007

313. 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

314. 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

315. 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

316. PROJECT: **Sheridan Pipeline Rehabilitation**

SPONSOR:	City of Sheridan
LOCATION:	Sheridan County
PROGRAM:	Rehabilitation
APPROPRIATION:	$6,044,000
ACTUAL EXPENDITURES:	$5,880,982.19
DESCRIPTION:	Transmission line replacement
ENGINEER:	HKM Engineering; Sheridan, WY
CONTRACTOR:	Excel Construction, Inc.; Sheridan, WY
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2003, 2005, 2006

317. 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

318. PROJECT: **Sheridan Raw Water Supply Rehabilitation Project**

SPONSOR:	City of Sheridan
LOCATION:	Sheridan County
PROGRAM:	Rehabilitation

APPROPRIATION: $50,000
ACTUAL EXPENDITURES: $42,289.66
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

319. 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

320. 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

321. 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
TIC; Casper, WY
ASI Moltz; Cody, WY

YEAR COMPLETED: 1992
SESSION LAW YEAR: 1987, 1990

322. PROJECT: Shoshone Municipal Pipeline - 2009
SPONSOR: Shoshone Municipal Water JPB
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $2,428,800
ACTUAL EXPENDITURES: $1,504,077
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

323. 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
SESSSION LAW DATE: 1992

324. 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
325.	**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
326.	**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
327.	**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
328.	**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

329. 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

330. PROJECT: **Sidon Rehabilitation**

SPONSOR:	Sidon Irrigation District
LOCATION:	Park and Big Horn County
PROGRAM:	Rehabilitation
APPROPRIATION:	$295,000.00
ACTUAL EXPENDITURES:	$273,372.20
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

331. PROJECT: **Sinclair Water Supply Project**

SPONSOR:	Town of Sinclair
LOCATION:	Carbon County
PROGRAM:	New Development
APPROPRIATION:	$672,500 (50% Grant)
ACTUAL EXPENDITURES:	$433,915.35
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

332. 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

333. 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

334. 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

335. 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

336. 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

337. 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

338. 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

339. 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

340. 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

341. 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

342. 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

343. 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

344. 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

345. PROJECT: Sundance Meadows Water Supply
SPONSOR: Sundance Meadows Water District
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $332,287.00
ACTUAL EXPENDITURES: $280,923.99

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

346. 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

347. PROJECT: Sundance Well
SPONSOR: Town of Sundance
LOCATION: Crook County
PROGRAM: New Development
APPROPRIATION: $685,000
ACTUAL EXPENDITURES: $684,393.51
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

348. PROJECT: Sunset Pipeline
SPONSOR: Sunset Ranch Water District
LOCATION: Weston County
PROGRAM: New Development
APPROPRIATION: $556,612
ACTUAL EXPENDITURES: $258,174.94
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

349. 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

350. 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

351. 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

352. 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
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

353. PROJECT: Thayne Water Supply
SPONSOR: Town of Thayne
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $850,000
ACTUAL EXPENDITURES: $726,221.99
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

354. PROJECT: **Thermopolis Storage Replacement and Rehabilitation**

SPONSOR:	Town of Thermopolis
LOCATION:	Hot Springs County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,804,910.00
ACTUAL EXPENDITURES:	$1,640,967.95
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

355. PROJECT: **Thirty Three Mile Water Supply**

SPONSOR:	Thirty Three Mile Road Improvement & Service District
LOCATION:	Natrona County
PROGRAM:	New Development
APPROPRIATION:	$1,044,486.00
ACTUAL EXPENDITURES:	$ 955,712.02
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

356. 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

357. 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

358. **PROJECT:** **Turnerville Water Supply Project**
SPONSOR: Turnerville Water and Sewer District
LOCATION: Lincoln County
PROGRAM: Rehabilitation
APPROPRIATION: $743,994
ACTUAL EXPENDITURES: $678,616.23
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

359. **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

360. **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

361. **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

362. **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

363. 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

364. 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

365. PROJECT: **Wamsutter Water Supply**

SPONSOR:	Town of Wamsutter
LOCATION:	Sweetwater County
PROGRAM:	Rehabilitation
APPROPRIATION:	$140,000
ACTUAL EXPENDITURES:	$125,353.59
DESCRIPTION:	Transmission Pipeline
ENGINEER:	PMPC; Saratoga, WY
CONTRACTOR:	Jackman Construction, Inc.; Green River, WY
COMPLETION DATE	June 2002
SESSION LAW	2001

366. 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

367. 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

368. PROJECT: Wamsutter Well 2010
SPONSOR: Town of Wamsutter
LOCATION: Sweetwater County
PROGRAM: New Development
APPROPRIATION: $757,100.00
ACTUAL EXPENDITURES: $352,719.56
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

369. PROJECT: Wardwell Water Supply Improvements
SPONSOR: Wardwell Water and Sewer District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $4,602,900.00
ACTUAL EXPENDITURES: $4,206,458.93
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

370. PROJECT: Washakie Rural Water Supply Project
SPONSOR: Washakie Rural Improvement and Service District
LOCATION: Washakie County
PROGRAM: New Construction

APPROPRIATION: $11,263,000.00
ACTUAL EXPENDITURES: $ 9,879,590.76
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

371. 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 $600,390.11- Rehabilitation
DESCRIPTION: Transmission mains
ENGINEER: Nelson Engineering Inc.; Jackson, WY
CONTRACTOR: Patrick Construction Inc.; Lander, WY
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

372. PROJECT: Wheatland – Black Mountain Water Supply
SPONSOR: Town of Wheatland
LOCATION: Platte County
PROGRAM: New Development
APPROPRIATION: $100,000.00
ACTUAL EXPENDITURES: $ 99,454.82
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

373. 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

374. 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

375. 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

376. 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

377. 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

378. PROJECT: Wheatland Water Supply
SPONSOR: Town of Wheatland
LOCATION: Platte County
PROGRAM: Rehabilitation
APPROPRIATION: $222,000
ACTUAL EXPENDITURES: $203,915.47
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

379. 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

380. 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

381. 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

382. PROJECT: **Worland Eastside Transmission Line**

SPONSOR:	City of Worland
LOCATION:	Washakie County
PROGRAM:	Rehabilitation
APPROPRIATION:	$2,650,000.00
ACTUAL EXPENDITURES:	$1,630,335.47
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

383. 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

384. 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

385. PROJECT: **Wright Well and Pipeline**

SPONSOR:	Wright Water & Sewer District
LOCATION:	Campbell County
PROGRAM:	New Development
APPROPRIATION:	$600,000
ACTUAL EXPENDITURES:	$330,805.05
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

386. 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

387. 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

388. 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