2016
LEGISLATIVE REPORT

Leavitt Reservoir in Big Horn County

WYOMING WATER DEVELOPMENT COMMISSION

2016 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)	11/30/2015 Account Balance	Balance
Fontenelle Reservoir	120,000	3,582,774.53	Decreasing*
Buffalo Bill Dam	187,940	21,516,580.05	Increasing
Palisades	33,000	369,322.13	Increasing
Miscellaneous Water Investment	5,000	83,050.98	Decreasing**
High Savery Reservoir	22,433	1,091,284.92	Stable
Pathfinder Modification	53,493	8,643,767.83	Increasing
Glendo Reservoir	10,600	881,031.68	Stable
Keyhole Reservoir	0	0.00	N/A

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

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

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

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

Per Session Law 2006, Chapter 99, Section 6, the Platte River Basin Endangered Species account was created to fund the state of Wyoming's participation in the Platte River Recovery Implementation Program (PRRIP). An initial appropriation of six million dollars from WDA I funded Wyoming's share of 3.21%. The state of Colorado's share is 12.82% and the Bureau of Reclamation's share is 83.97%. A summary of Wyoming's remaining investment for the PRRIP follows:

Account	Wyoming's Storage (Acre-Feet)	11/30/2015 Account Balance	Balance
Platte River Basin Endangered Species	0	5,596,177.67	Decreasing

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

2. Instream Flow

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

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

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

As of December 1, 2015, 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, 9 are in the preliminary application stage, 4 are under permitting review by the State Engineer's Office (SEO), 90 are in the SEO Board of Control (BOC) proofing stage, 28 have been fully adjudicated, 5 represent a BOC Petition or other non-standard application, and 1 has been withdrawn. As of this date, the Water Development Office has completed a total of 47 hydrologic feasibility reports. One report is scheduled for completion in January 2016, and an additional report is scheduled for completion before December 31, 2016. One more report is anticipated to start during 2016, pending additional instream flow water rights applications from the Wyoming Game and Fish Department.

3. Water Related Research

Pursuant to W.S.41-2-125, 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 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 utilized for feasibility studies and exploration programs to evaluate the potential use of underground water. Municipalities, water and sewer districts, and service and improvement district areas are eligible to receive up to $400,000 in state funds as a grant but are required to provide 25% of total project costs in local matching funds. To date, $7,800,000 have been appropriated from Water Development Account 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 "small water 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 Committee approve new criteria for the Small Water Project Program. To date, 3,350,000 have been appropriated for the new development small water project program and 2,250,000 have been appropriated for the rehabilitation small water project program. New applications are due each January 1st and are reviewed by the Commission during its March meeting.

III. Program Funding

A. Water Development Account 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, 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 $24,000,000 to $28,000,000 per year. The WWDC is committed to phase or delay projects to ensure its recommendations do not exceed available revenue in the account.

Water Development Account No. I also funds the following:

1. Agency budget-The agency budget for the Wyoming Water Development Office (WWDO) is approximately $8,074,000 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 approximately $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 an approximate cost of $250,000 per basin.

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 $3,350,000 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 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 $5,000,000 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 $2,250,000 in the rehabilitation component of the program.

2. Other-As of June 2015, over $15,500,000 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 $47 million dollars per year.

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

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

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

The WWDC contracts with private sector consultants for the preparation of river basin plans and project technical studies, such as Level I Reconnaissance Studies and Level II Feasibility Studies. Further, the WWDC contracts with the project sponsors who serve as the lead entity during the Level III Construction process. The project sponsors use private sector consultants for

preparation of project plans and specifications. They are also required to solicit bids 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 2015:

	Percentage (%) of Total Expenditures		
Sector	WD Account No. I	WD Account No. II	WD Account No. III*
Multi-purpose	10.8	4.7	55.9
Agriculture	10.3	46.5	39.6
Municipal	50.3	40.3	4.5
Special Districts	6.3	2.2	-
Legal	3.3	4.2	-
Non-Project	19.0	2.1	-

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

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

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

B. Municipalities must not only be concerned with the quantity of water they can supply for culinary, irrigation, and fire flow purposes, but must ensure that their water quality meets ever-changing EPA requirements. Further, as urban populations increase, the amount of water communities must supply for public health and welfare purposes must also increase. Municipalities need enough good quality water to meet their existing demands and the demands of the increasing number of subdivisions presently outside their corporate limits, as well as enough water to ensure future economic growth. The Wyoming Water Development Program has been responsive to the needs of Wyoming communities for the past 35 years, and while major municipal water supply projects have been funded, demands on the program for municipal purposes will continue for the next five years and beyond. The WWDC will continue to look at opportunities to develop and improve upon regional water supply systems.

C. Special districts that provide domestic water are faced with the same EPA requirements as municipalities. As a result, the Water Development Program is receiving an increasing number of requests for funding assistance from special districts. Wyoming's relatively weak subdivision laws are partially to blame for this problem. Subdivisions served by shallow wells sometimes experience water quality problems caused by septic and leach field systems. The long-term solution is to improve the municipal water supply systems so they can be supportive in solving the problems of the surrounding subdivisions. In the short term, it is apparent that the Wyoming Water Development Program will be receiving additional requests for funding assistance from special districts. However, the Water Development Program may not have sufficient resources to address all of the problems of the special districts. Therefore, those districts that are connecting to existing water supply systems will likely be looked upon more favorably by the WWDC than those wishing to develop independent supplies.

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

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

In response to these problems, the Dam and Reservoir Division was implemented to encourage local community sponsors to partner with the WWDC to construct new and enlarge existing storage facilities. The 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. Governor Meads' Water Strategy, specifically Initiative #6, "Ten in Ten" project has placed additional emphasis on building new storage projects to support Wyoming's future needs.

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

At the same time, projects funded with appropriations from the water development accounts provide direct and indirect economic benefits throughout the state. As of January 1, 2016, there are projects with appropriations in excess of $370M in the construction phase of the Wyoming Water Development Program.

2016
LEGISLATIVE
PROGRAM

CHAPTER 2 - 2016 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 address the WWDC and answer questions. The WWDC develops its preliminary funding recommendations. The Select Water Committee attends this meeting in preparation for its ultimate review and approval of the WWDC's final recommendations.

D. Public Meetings/Hearings - If a proposed Level I Reconnaissance Study or Level II Feasibility Study is of particular concern or controversy, the WWDC may solicit public input at a public meeting prior to finalizing its project recommendation. The Commission holds formal public hearings on all 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. 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. 2016 Funding Recommendations:

Summary-2016 Omnibus Water Bill-Planning

Level I Projects-New Development	Location	WDA I	WDA II
Basin Planning: Environmental and Recreational Use Study	Statewide	$ 100,000	
Bear River Data Model Pilot Study	Lincoln /Uinta	$ 120,000	
Goose Creek Watershed Study	Johnson/Sheridan	$ 375,000	
Manderson Water Master Plan	Big Horn	$ 100,000	
Melody Ranch Water Supply Study	Teton	$ 180,000	
New Fork River Watershed Study	Sublette	$ 375,000	
Northwest Rural Water Master Plan	Big Horn/Park	$ 230,000	
Owl Creek Watershed Study	Hot Springs	$ 375,000	
Rock River Water Master Plan	Albany	$ 150,000	
Shell Water Master Plan	Big Horn	$ 85,000	
South Platte River Watershed Study	Laramie	$ 395,000	
South Worland Water Master Plan	Washakie	$ 90,000	
Statewide Water Research	Statewide	$ 311,328	
Subtotal		$2,886,328	

Level II Projects-New Development	Location	WDA I	WDA II
Buckskin Extension Master Plan/Gillette Regional	Campbell	$ 65,000	
Fontenelle Dam and Outworks Infrastructure Completion	Lincoln/Sweetwater	$ 200,000	
Fox Ridge Extension Master Plan/Gillette Regional	Campbell	$ 130,000	
Glendo Reservoir Full Utilization Project	Platte	$ 300,000	
Grace Land Extension Master Plan/Gillette Regional	Campbell	$ 105,000	
Lusk Water Supply Study	Niobrara	$ 175,000	
Platte Alliance Water Supply Study	Goshen/Platte	$ 200,000	
UW Irrigation Water Supply	Albany	$ 400,000	
Subtotal		$1,575,000	

Level I Projects-Rehabilitation	Location	WDA I	WDA II
Cottonwood Irrigation District Master Plan	Lincoln		$165,000
Eden Valley Irrigation District Master Plan	Sublette/Sweetwater		$195,000
Hanover Irrigation District Master Plan	Washakie		$175,000
Lovell Irrigation District Master Plan	Big Horn		$165,000
Subtotal			$700,000

General		WDA I	WDA II
Office of Water Programs		$ 175,000	
Total		**$4,636,328**	**$700,000**

Summary-2016 Omnibus Water Bill-Construction

Level III Projects - New Development	Location	WDA I	WDA II	Terms
Arapahoe Water Supply 2016	Fremont	$2,247,850		67G
Buffalo Main Street Pipeline	Johnson	$ 154,100		67G
Buffalo Tank Valve	Johnson	$ 117,250		67G
Deaver Transmission Pipeline	Big Horn	$ 770,500		67G
Dubois Well Acquisition	Fremont	$ 0		N/A
Gillette Regional Extensions-Phase II	Campbell	$ 562,800		67G
Greybull Transmission Pipeline	Big Horn	$ 824,100		67G
Kemmerer Transmission Pipeline 2016	Lincoln	$1,172,500		67G
Lander Transmission Pipeline 2016	Fremont	$2,070,970		67G
Meeteetse Tank/SCADA/Retrofit	Park	$ 93,800		67G
Shoshone Transmission Pipeline 2016	Park	$2,227,500		33G
South Big Horn County Pipeline	Big Horn	$3,557,700		67G
Sundance PRV Improvements 2016	Crook	$ 137,350		67G
Sundance Transmission Pipeline 2016	Crook	$ 713,550		67G
Weather Mod. Wind River Mtns. 2017	Fremont/Sublette	$ 160,000		25G
Wheatland Pipelines	Platte	$ 522,600		67G
Subtotal		$15,332,570		

Level III Projects - Rehabilitation	Location	WDA I	WDA II	Terms
Casper Alcova Underdrain 2016	Natrona		$ 369,840	67G
Cokeville Tri-Diversion Structure	Lincoln		$ 400,000	67G/33L/4/20
Lakeview ID Rehabilitation 2016	Park		$ 194,300	67G
LeClair ID Rehabilitation 2016	Fremont		$ 760,000	67G/33L/4/25
Leiter Ditch Rehabilitation 2016	Sheridan		$1,310,000	67G/33L/4/30
Midvale Sand Butte 2 Lateral	Fremont		$ 770,000	Materials Only
Sidon ID Rehabilitation 2016	Big Horn		$ 352,500	Materials Only
Willwood ID Rehabilitation 2016	Park		$ 533,000	Materials Only
Subtotal			$4,689,640	

Amendments to Prior Appropriations	Location	WDA I	WDA II	Terms
Douglas Box Elder Spring	Converse	$ 7,959,600		67G Extension
Kirby Rehabilitation 2011	Hot Springs			Time Extension
Fayette Irrigation Rehabilitation	Sublette		$120,000	67G/33L/4/20
Cottonwood Lake Enlargement	Lincoln	($3,700,000)		Revert Funds
Eden Valley Farson Lateral Rehabilitation	Sublette			Remove Phase
Cheyenne Southern Pipeline-Phase III	Laramie	$ 9,514,000		67G
Small Water Projects – New Development	Statewide	$ 750,000		50G
Small Water Projects – Rehabilitation	Statewide		$300,000	50G
Lovell Tank/Zone 2 Improvements	Big Horn	$ 298,150		67G
Lower Nowood Rural Water Supply	Washakie	$ 273,150		71G
Subtotal		$15,094,900	$420,000	
Total		**$30,427,470**	**$5,109,640**	

III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2016-17 Legislative Session.

Water Development Account I
Preliminary Fiscal Projections as of 8/1/2015

Cash Balance 6/30/14		107,438,276
FY15 Revenues		
Taxes	19,297,500	
Interest	2,677,807	
Loans/Interest	3,721,875	
General Fund	1,500,000	
Other	334,335	
Total Revenues		27,531,517
FY15 Expenditures		
Total Expenditures		(30,201,237)
Cash Balance 6/30/15		104,768,556
Outstanding Commitments 7/1/15		
Active Appropriations	(196,567,527)	
Expenditures Paid	99,282,415	
Total Commitments 7/1/15		(97,285,112)
Total Uncommitted Balance 7/1/15		7,483,444
FY16 Anticipated Revenues		
General Fund	1,500,000	
Taxes	19,300,000	
Interest	2,200,000	
Other	2,500,000	
Total FY16 Anticipated Revenues		25,500,000
FY17 Anticipated Revenues		
Taxes	19,300,000	
Interest	2,200,000	
Other	2,500,000	
Total FY17 Anticipated Revenues		24,000,000
FY18 Anticipated Revenues		
Taxes	19,300,000	
Interest	2,200,000	
Other	2,500,000	
Total FY18 Anticipated Revenues		24,000,000
Subtotal Anticipated Revenues		73,500,000
Balance Available for Appropriation		80,983,444

Water Development Account II
Preliminary Fiscal Projections as of 8/1/2015

Cash Balance 6/30/14		18,805,540
FY15 Revenues		
Taxes	3,255,000	
Interest	523,040	
Loans/Interest	3,101,368	
Buffalo Bill Account	9,000,000	
Total Revenues		15,879,408
FY15 Expenditures		
Total Expenditures		(6,126,718)
Cash Balance 6/30/15		28,558,230
Outstanding Commitments 7/1/15		
Active Appropriations	(62,514,141)	
Expenditures Paid	31,188,237	
Total Commitments 7/1/15		(31,325,904)
Total Uncommitted Balance 7/1/15		(2,767,674)
FY16 Anticipated Revenues		
Taxes	3,300,000	
Interest	400,000	
Other	1,000,000	
Total FY16 Anticipated Revenues		4,700,000
FY17 Anticipated Revenues		
Taxes	3,300,000	
Interest	400,000	
Other	1,000,000	
Total FY17 Anticipated Revenues		4,700,000
FY18 Anticipated Revenues		
Taxes	3,300,000	
Interest	400,000	
Other	1,000,000	
Total FY18 Anticipated Revenues		4,700,000
		14,100,000
Balance Available for Appropriation		11,332,326

Water Development Account III
Preliminary Fiscal Projections as of 8/1/2015

Cash Balance 6/30/14		153,131,207
FY15 Revenues		
General Fund	19,332,500	
Taxes	775,000	
Interest	3,839,175	
Total Revenues		23,946,675
FY15 Expenditures		
Total Expenditures		(18,314,128)
Cash Balance 6/30/15		153,763,754
Outstanding Commitments 7/1/15		
Active Appropriations	(49,346,000)	
Expenditures Paid	22,996,768	
Total Commitments 7/1/15		(26,349,232)
Total Uncommitted Balance 7/1/15		132,414,522
FY16 Anticipated Revenues		
General Fund	19,332,500	
Taxes	800,000	
Interest	2,200,000	
Total FY16 Anticipated Revenues		22,332,500
FY17 Anticipated Revenues		
Taxes	800,000	
Interest	2,200,000	
Total FY17 Anticipated Revenues		3,000,000
FY18 Anticipated Revenues		
Taxes	800,000	
Interest	2,200,000	
Total FY18 Anticipated Revenues		3,000,000
Subtotal Anticipated Revenues		28,332,500
Balance Available for Appropriation		160,747,022

IV. Anticipated Available Funding for 2017 Session

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 2017 Session.

Water Development Account I

Available 2016 Session		$80,983,444
Non-Project Anticipated Appropriations		
Agency Budget	$8,581,505	
DOA-Water Quality	$ 675,000	
SEO-CO River E.S.	$ 102,953	
DWSRF	$2,133,120	
Deduct: Non-Project Appropriations		$11,492,578
Subtotal		$69,490,866
2016 Omnibus Water Bills		
Planning	$ 4,636,328	
Construction	$30,427,470	
Deduct: Omnibus Water Bills		$35,063,798
Subtotal		$34,427,068
Add: Anticipated 2016 Reversions		$ 1,450,000
Available 2017 Session		**$35,877,068**

Water Development Account II

Available 2016 Session		$11,332,326
2016 Omnibus Water Bills		
Planning	$ 700,000	
Construction	$ 5,109,640	
Deduct: Omnibus Water Bills		$ 5,809,640
Subtotal		$ 5,522,686
Add: Anticipated 2016 Reversions		$ 100,000
Available 2017 Session		**$ 5,622,686**

Water Development Account III

Available 2016 Session	$160,747,022
Deduct: Omnibus Water Bills	$ 0
Deduct: FY 2016 General Fund Transfer	$ 10,000,000
Available 2017 Session	**$150,747,022**

The following table attempts to predict funding requests for the 2017 or later Legislative Sessions:

Water Development Account I

Phased Projects-Priorities		
Gillette Regional Extensions-Phase II	$ 6,200,000	
Laramie North Side Tank	$12,000,000	
Total Phased Projects		$18,200,000
Other Potential Projects		
Basin Planning	$ 250,000	
Watershed Studies	600,000	
Buffalo System Improvements	100,000	
Casper – Poplar St Zone II	1,100,000	
CWRWS-Wardwell Zone II	800,000	
CWRWS-Westwind Rd Transmission Line	5,500,000	
Cheyenne Belvoir Well Field	10,000,000	
Cody Tank	2,500,000	
Gillette Regional Extensions	25,000,000	
Hanna Transmission	250,000	
High Meadow Ranch Improvements	2,250,000	
Newcastle Madison Well Connection	500,000	
Opal Transmission Pipeline	350,000	
Sheridan N. Loop Transmission Line – Phase II	2,000,000	
Star Valley Ranch Tank	1,000,000	
Sundance System Improvements	1,000,000	
Thermopolis System Improvements	2,500,000	
Total Other Potential Projects		$ 55,700,000
Grand Total WDA I		**$ 73,900,000**

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	
Dry Creek irrigation District	2,000,000	
Goshen Irrigation District	750,000	
Heart Mountain Irrigation District	750,000	
Midvale Irrigation District	1,700,000	
Shoshone Irrigation District	900,000	
Wheatland Irrigation District	1,000,000	
Willwood Irrigation District	1,000,000	
Total Phased Projects		$12,900,000
Other Potential Projects		
Casper-Storage Tank Rehabilitation	6,000,000	
Casper-Ridgecrest Zone 2/3 Transmission Line	1,450,000	
CWRWS-Salt Creek Pump Station	1,500,000	
Total Other Potential Projects		$ 8,950,000
Grand Total WDA II		**$21,850,000**

Water Development Account III

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

Alkali Creek Dam	$35,000,000	
Big Sandy Enlargement	25,000,000	
Clear Creek Storage	100,000,000	
Cottonwood/Grass Creek Storage	25,000,000	
Greybull Valley Storage Enlargement	15,000,000	
Leavitt Reservoir	40,000,000	
Meadowlark Lake Enlargement	15,000,000	
Meeks Cabin Enlargement	15,000,000	
Middle Piney Reservoir	10,000,000	
New Fork Enlargement	15,000,000	
Sublette Creek Reservoir	25,000,000	
Viva Naughton Enlargement	10,000,000	
West Fork Reservoir	80,000,000	
Wind River Storage (Two sites)	90,000,000	
Grand Total WDA III		**$500,000,000**

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 AND PRIOR 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 is in design. The extension of the Gillette Regional System that the District will connect to is also under construction.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

2. PROJECT: Arapahoe Pipeline and Tank

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	85	2007	I	$ 125,000	Complete
Level II	66	2009	I	$ 500,000	Complete
Level III	23	2015	I	$1,926,920*	2020

*67% Grant

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

1) State HWY 138/Rendezvous Road and Wind River Casino Pipeline Loop – Consisting of approximately 9,000 feet of 10" and 12" PVC Transmission Water Line
2) A 300,000 gallon Storage Tank and Transmission Line – Tank located above and southeast of the Beaver Creek housing complex, with installation of 8,050 feet of 10" PVC Transmission Water Line.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

3. PROJECT: Arapahoe Water Supply

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level 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 was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

4. **PROJECT:** **Arapahoe Water Supply 2016**
LEVEL: New Application (Level III)
SPONSOR: Northern Arapaho Tribal Business Council
LOCATION: Fremont County (Wind River Indian Reservation)
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	85	2007	I	$125,000	Complete
Level II	66	2009	I	$500,000	Complete

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

1) Upgrade and install a new Transmission main along Left Hand Ditch Road from the existing 1 MG Tank to 17 Mile Road.
2) Install a new Transmission main along 17 Mile Road between Goes In-Lodge Road to Highway 789. This will connect between two of the systems transmission mains.
3) Install a new Transmission main along Left Hand Ditch Road from 17 Mile Road south to the Arapahoe School and Industrial Park.

The present transmission main that feeds the system is critically undersized to deliver the needed demands in the system. The line is a 6" asbestos cement line installed in the 1960's. Upgrading to the 12" PVC line will allow the Utility to meet the required Tank-to-System delivery needs. The entire water supply for Beaver Creek Housing and the Wind River Casino commercial area is fed by the single transmission line extending from 17 -Mile Road. If a line break occurs in those two miles of line, there is no way to get water to this area. This has happened on occasion, leaving the area dependent on only the 60,000 gallons of storage in the Beaver Creek Tank. This situation presents an unacceptable public safety and health risk. The new transmission line will alleviate this problem. The Arapahoe School and Industrial Park (ASIP) area of the system is operated as a separate stand-alone system serving the ASIP and a small number of residences. Tying this and the primary Arapahoe system together will make it possible to feed the ASIP and residents from the main system and its 1 MG tank.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development program at Level III status with an appropriation of $2,247,850 (67% grant only).

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$110,000	2010
Level II	32	2010	II	$388,680	2012
Level III	141	2013	II	$150,000*	2018

Level III	100	2014	II	$850,000*	2018
Level III	23	2015	II	$600,000**	2018

* 50% Grant **52.6% Grant 10.5% Loan

PROJECT INFORMATION:

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

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

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

- 2013: $150,000 for design and permitting
- 2014: $850,000 for construction (Phase I)
- 2015: $600,000 for construction (Phase 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. In 2015 an additional $600,000 was added to the project. The design is complete and the project has been delayed by environmental issues.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

6. PROJECT: Austin-Wall Reservoir Rehabilitation

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$ 110,000	2010
Level II	32	2010	II	$ 400,000	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, CRBSCP funding was awarded for the Austin and Wall Canals project in the amount of $5,988,333. The Level II, Phase I 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 2015 request of $600,000 for construction.

The 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. The Austin and Wall Irrigation District have been presented with the results of the study and have decided not to pursue rehabilitation of Wall Reservoir at this time. The final report, and all associated deliverables, have been submitted to the Office, and the project has been closed out.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

7. PROJECT: Basin Planning: Environmental and Recreational Use Study

LEVEL: I
SPONSOR: WWDC
LOCATION: Big Horn, Carbon, Fremont, Hot Springs, Lincoln, Natrona, Park, Sublette, Sweetwater, Uinta, and Washakie Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

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

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

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

8. PROJECT: Bear River Data Model Pilot Study

LEVEL: New Application (Level I)
SPONSOR: WWDC
LOCATION: Lincoln and Uinta Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

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

As the River Basin Planning Program wraps up its second round of updates, continued improvements in the State's ability to plan for the management of water will come from more accurate data. The Bear River Basin is a logical study area since significant efforts have already been taken toward creating a working hydrologic model in this basin, and data are currently being collected under the Bear River Watershed Study.

Results of this project include written standards for data creation and geodatabase templates for future WWDC planning products, complete datasets to inform future water management models, recommendations for future data collection, streamflow collection standards, a data maintenance plan, and staff training.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $120,000.

9. PROJECT: Bear River Hydrology Model

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$50,000	2015

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 would be a cooperative effort between the State Engineer's Office (SEO) and the Water Development Office (WWDO). As part of this project's effort, the SEO has been working on developing the databases and the data necessary for a DSS. The WWDO has started development of the simulation model and creation of the modeling tools necessary to make projections and estimates of water surpluses and shortages.

The Bear River Basin was selected as the first basin for model development because appropriate data sets were available and initial simulation modeling efforts were completed. The model was being developed in-house with the assistance as needed of a consultant that provided technical support. Progress thus far, primarily during 2012 and 2013, included 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.

In December, 2015, a Final Contract Amendment was prepared for Commission approval which ceased all consultant technical assistance work on the project and subsequently all internal work by Wyoming Water Development Office staff on the project in lieu of pursuing a different direction as specified in the 2016 project recommendation for the Bear River Data Model Pilot Study, Option B, as approved by the Commission on November 5, 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:

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

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

This study 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.

Meetings were held February 24 and March 18, 2015 in Cokeville and Evanston respectively, to inform landowners and stakeholders of this study and project expectations. A meeting on February 24 was also held with the Lincoln Conservation District Board to brief them on the details of the project and answer any questions.

On September 9 and 10, 2015, the project consultant held kickoff meetings in Cokeville and Evanston to gather input from landowners, discuss opportunities for projects to be included in the watershed study as well as discuss any funding assistance that could be available. Meetings with landowners will continue throughout the course of this study.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

11. **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 AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$ 350,000	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 data will 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 were 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.

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 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

12. PROJECT: Bench Canal Company Master Plan

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	II	$170,000	2017

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. A draft of this report has been issued and is currently under review by the sponsor. This project is slightly delayed due to the sponsor's time conflicts; however, the project remains on budget. The final report is expected to be issued in early 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

13. PROJECT: Big Horn Canal Rehabilitation 2012

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

EXISTING AND PRIOR LEGISLATION:

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 were constructed in the winter of 2014-2015 with available funds. Minor adjustments to automated gate accessories and SCADA fine tuning remain to be completed prior to the 2016 irrigation season. 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.

14. PROJECT: Big Horn Canal Underway

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$150,000	2006
Level III	23	2015	II	$175,000*	2020

* 67% grant, 33% loan

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

This project will be publically advertised, competitively bid, and constructed by a contractor. The project is in the design phase and should be constructed beginning in the fall of 2016 and should be complete prior to the 2017 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

15. 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 AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	36	2000	I	$ 160,000	2002
Level II	86	2001	I	$ 670,000	2002
Level II	7	2002	I	$ 675,000	2004
Level II	75	2005	I	$1,500,000	2010
Level II	66	2009	I	$ 850,000	2010
Level III	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.

The BHRJPB secured Level III funding to connect the well to the Greybull's 1 MG east tank with an 18-inch pipeline 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 were completed and the sponsor began design in 2012. The design was completed in early 2014. Construction began in mid-2014 and was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

16. PROJECT: Big Sandy Enlargement

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

EXISTING AND PRIOR LEGISLATION:

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

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, could 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 may 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. However, the analysis did include the existing footprints of Big Sandy and Eden Reservoirs. 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. During the 2015 General Session the WWDC received funds to add task orders for Reclamation, via the "Technical Service Agreement", to continue analysis of the spillway raise on their facility. The first added task order includes 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. Work is under way with Reclamation on the first added task order and progressing according to schedule. A decision on the height of spillway raise is being narrowed down with analysis of the recent LiDAR

survey and wetland delineation near complete. The second added task order, should information gathered warrant the project be moved forward, would include 60% design, 90% design, estimates, contract review, final design/specifications and bid process, effectively advancing the project to be ready for construction.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

17. PROJECT: Big Wind River Storage Study

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

EXISTING AND PRIOR LEGISLATION:

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

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 (SEH) 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 is analyzing irrigation water shortages and water availability to store under a present day water right as well as alternatives for constructing new or enlarging existing dams and reservoirs to offset documented irrigation shortages. Constructing new, or enlarging existing storage, will require issuance of a permit to appropriate water from the Wyoming State Engineer's Office and must take into consideration the implications related to the Big Horn General Adjudication.

Approximately 80 potential storage sites, identified through previous study, and additional sites identified through the current study, are being screened based on a variety of criteria, including water availability and ability to supply documented shortages, technical engineering feasibility, and environmental impacts, amongst others. The screening will allow for a shortlist of top sites to be identified. Data for the shortlisted sites will be refined and further evaluated in an effort to identify the Least Environmentally Damaging Practicable Alternative (LEDPA). Once a preferred site is identified, a Level II, Phase II study can be pursued to collect site specific data through field work such as geotechnical drilling, wetland delineations and cultural resource surveys. The final report for the current phase of study is expected in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

18. PROJECT: Bighorn Mountains Instream Flows

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation[1]	Due Date[2]
Level I	26	2014	I	$73,950	2017

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

PROJECT INFORMATION:

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

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

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

The WWDC contracted with an engineering consultant to complete this hydrology study on the availability of unappropriated water to meet the water rights application requested flows. Primary tasks conducted during the study 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-2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

19. PROJECT: Blacks Fork Watershed Study

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$350,000	2016

PROJECT INFORMATION:
The Blacks Fork watershed located north and east of Evanston in Uinta County, Lincoln County, and Sweetwater County, covers approximately 2,300,000 acres and includes three primary stream systems, the Blacks Fork River, the Smiths Fork River, and the Hams Fork River. The Uinta County Conservation District requested a study of this watershed to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. This information provides 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 identified.

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 was completed in January of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

20. PROJECT: Broken Wheel Ranch Master Plan

LEVEL: I
SPONSOR: Broken Wheel Ranch, Property Owners Association (POA)
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	168	2015	I	$ 100,000	2018

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 8-inch diameter well, completed 302 feet deep into the Upper Tertiary Salt Lake Formation/Teewinot Formation. The permitted yield of the well is 15 gpm. The POA's system includes two (2) 5,000-gallon storage tanks with a total combined capacity of 10,000 gallons.

Currently, a Level I master plan is being conducted 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:
No legislative action is required.

21. PROJECT: Buckskin Extension Master Plan/Gillette Regional

LEVEL: II
SPONSOR: Buckskin Improvement & Service District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

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

The Buckskin ISD has signed a Water Service Agreement with the City of Gillette for connection to the Gillette Regional System. The District does not have a formal plan in place for its water distribution system. In expectation of connecting to the regional system, this Level II study would accomplish the following in the form of a master plan: inventory, map, and evaluate the existing water system infrastructure, identify deficiencies, and provide a more efficient mapping system; evaluate the existing well and associated water quality in conjunction with a potential connection to the regional system, investigate whether it should remain in service or be abandoned; prepare a hydraulic model to simulate and evaluate system operations prior to and after connection to the regional system, assess demands and potential fire flows; help identify improvements needed to accommodate future growth; and, ascertain service limits; identify, prioritize, and prepare conceptual-level designs and cost estimates for capital improvement projects needed to facilitate regional connection along with a corresponding schedule; and, review the sponsor's water rate schedule 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 II status with an appropriation of $65,000.

22. PROJECT: Buffalo Main Street Pipeline

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 190,000	2017

PROJECT INFORMATION:
The July 2015, Level I Buffalo Master Plan recommended this Level III construction project and the City listed this project as their number one priority. The Buffalo Main Street Pipeline is designed to construct a high-pressure pipeline of 12-inch PVC pipe from the South Tank to feed a specific pressure zone within the City of Buffalo's water system. The Main Street Pipeline will need to be coordinated with WYDOT and the construction schedule is unknown. The City wishes to have the design phase completed for this Level III project and awaiting WYDOT's notice-to-proceed for construction to commence on this project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status, with an appropriation of $154,100.

23. PROJECT: Buffalo Master Plan

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 190,000	2017

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 commenced in June 2014 and the Level I final report was completed in July 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

24. PROJECT: Buffalo Northwest Pipeline

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

EXISTING AND PRIOR 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*	2018

* 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 reached final completion in mid-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.

25. PROJECT: Buffalo South Loop Pipeline

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$ 600,000	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.

The project received favorable bids in-early 2015. Construction of the project went along smoothly and was completed within the scope of the contract. The project has reached final completion and will begin the close-out process. 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.

26. **PROJECT:** **Buffalo Tank Valve**
LEVEL: New Application (Level III)
SPONSOR: City of Buffalo
LOCATION: Johnson County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 190,000	2017

PROJECT INFORMATION:
The July 2015, Level I Buffalo Master Plan recommended this Level III construction project and the City listed this project as their number two priority. The Buffalo Tank Valve project is for the design and construction of a water-level control valve system on the South Tank of the City's water system.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status, with an appropriation of $117,250.

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

EXISTING AND PRIOR 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

*67% grant, 33% loan

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

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 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

28. PROJECT: Byron Master Plan

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

EXISTING AND PRIOR 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
Level I	168	2015	I	$ 130,000	2018

*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 will 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. Work performed during 2015 consisted of survey mapping, system research, and hydraulic model preparation. This project is on schedule and on budget.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

29. PROJECT: Cambria Tank

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
The Cambria Improvement & Service District is located in Weston County north of the Town of Newcastle. The District, formed in 1984, obtained a water supply from Newcastle under a contract limited to 50 gallons per minute. The supply system was constructed in 1986 and consisted of approximately 2.5 miles of 6 inch transmission pipeline, two pump stations, and two storage tanks with 86,000 gallon capacity. The District has a demand of 72,000 gallons per day to serve an estimated population of 188 through 75 taps. Cambria presently does not have capacity within the existing system for fire suppression. The District is anticipating additional demand on their delivery and storage infrastructure due to growth. The Level II study was completed in 2012.

The district is currently securing funding for their 33% match.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

30. PROJECT: Casper Alcova Rehabilitation 2015

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

EXISTING AND PRIOR LEGISLATION:

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

* 67% grant

PROJECT INFORMATION:
The Casper Alcova Irrigation District (CAID) received funding authorization to replace segments of Laterals 328 and 239 with buried pipeline. The sponsor will receive 67% grant funding from WWDC to match with its own funds to construct the project. The funding will finance eligible project costs including design, construction engineering, land rights, permitting, and construction.

The construction is expected to begin in the spring of 2016 and be complete prior to the 2016 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

31. PROJECT: Casper Alcova Underdrain 2016

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

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:
Subsequent to the Casper Alcova Irrigation District (CAID) Master Plan and GIS study, the CAID is requesting funding to replace a double barrel box culvert underdrain on the main canal (Casper Canal). 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 2016 and be complete prior to the 2017 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Casper Alcova Underdrain 2016 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $369,840. 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

32. PROJECT: Casper Poplar Transmission Pipeline

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

EXISTING AND PRIOR LEGISLATION:

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

*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. The construction portion of this project has been completed and the WWDO is awaiting final pay requests from the City so the project can be closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

33. PROJECT: Casper Raw Water Supply II

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	118	2004	I	$ 452,500*	2008
Level III	141	2013	I	$ 487,559*	2018

*50% grant
**67% grant

PROJECT INFORMATION:
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.

In 2012 the City of Casper 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. The construction portion of this project has been completed and the WWDO is awaiting final pay requests from the City so the project can be closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

34. PROJECT: Casper Zone 3 Improvements

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant, 33% loan

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.

The City has hired an engineering consultant and the project is currently under design. The project is anticipated to go to construction in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

35. PROJECT: Casper Zone II 2015

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

EXISTING AND PRIOR LEGISLATION:

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

*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.

The City returned their project agreement last month and is currently seeking proposals from engineering consultants to design the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

36. PROJECT: Centennial Well and Master Plan

LEVEL: I
SPONSOR: Centennial Water & Sewer District
LOCATION: Albany County
PROGRAM: New Development

EXISTING AND PRIOR 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
Level I	168	2015	I	$175,000	2018
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 study for the District's system is being conducted to determine a plan for future improvements/operations.

Recommended Legislative Action:
No legislative action required.

37. PROJECT: Central Wyoming Regional Elevated Tank

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

PROJECT INFORMATION:

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

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

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

38. PROJECT: Central Wyoming Regional Zone II B

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	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 construction portion of this project has been completed and the WWDO has closed-out the funding for this project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

39. PROJECT: Cheyenne Southern Pipeline

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

EXISTING AND PRIOR 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 were looped to 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 was 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 and pump station were complete in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

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 project is currently under design.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III appropriation by $9,514,000, from $1,206,000 to $10,720,000. The financing plan will remain a 67% grant and 0% loan to be used for design, permitting, and construction. The sponsor is responsible for the remainder of the project costs.

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	III	$ 300,000	2011
Level II	1	2011	III	$ 250,000	2014
Level II	66	2013	III	$ 350,000	2014
Level II	168	2015	III	$ 700,000	2017

PROJECT INFORMATION:

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

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

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

At the request of the Lake DeSmet Conservation District, a Level II Storage Feasibility Study was initiated in mid-2011 to further explore storage opportunities identified in the Clear Creek Watershed Study. The objective has been to develop and/or expand current water storage in the Clear Creek Watershed to collect the excess spring runoff and allow for controlled, consistent releases, thus providing agricultural benefits through improved management and late season irrigation, potential municipal benefits through supply and reduction of channel erosion and flooding in area communities, as well as environmental and recreational benefits through the enhancement of fisheries and wildlife habitat. The Level II study focused primarily on hydrologic analysis, need for supplemental water, and site investigations to determine the most viable and least environmentally damaging storage locations. Completion of a StateMod Hydrologic model of the entire Clear Creek Watershed has given understanding of where irrigation shortages are located, where water is legally available to store with a present day water right and how incorporation of new storage can reduce shortages within the watershed. The model also accounts for Lake DeSmet and its many water rights, possibilities of its utilization in reducing shortages and its possible impacts to other reservoir yields evaluated.

Results of the Level II Storage Feasibility Study allowed WWDC to identify the Bull Creek Reservoir concept as the preferred alternative. The Bull Creek Reservoir concept 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. Geotechnical investigation of the Bull Creek Reservoir site took place in 2014. Results showed a strong foundation to safely build an embankment on, however uncontrolled seepage rates 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 information from the subsurface geotechnical investigation and at the recommendation of the WWDO, the Lake DeSmet Conservation District requested and received additional funding during the 2015 General Session to continue the Level II, Phase II Storage Feasibility Study to further consider the Bull Creek Reservoir site and alternatives to said site. The WWDO and District's intent is to avoid overlooking any feasible alternatives that could be constructed at a lesser cost. The additional funding has and will continue to 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. An alternative dam site, further up the Bull Creek drainage and located on the Bull Creek Ranch, is currently being investigated to determine if more favorable geologic conditions exist.

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:
No legislative action is required.

42. PROJECT: Clearmont Test Well Study

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

EXISTING AND PRIOR LEGISLATION:

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

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 requested 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. The Level II study commenced in June 2015 and a hydrogeological study has identified a potential deep (~1,600 feet) test well site located on nearby public land owned by Sheridan County. The Level II final report is scheduled to be submitted by September 1, 2017.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

43. PROJECT: Cokeville Tri-Diversion Rehabilitation

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	9	1995	II	$ 50,000	1996
Level III	59	1996	II	$160,000	1998
Level II	74	2014	II	$100,000	2017

PROJECT INFORMATION:
The Cokeville Tri-diversion structure above the Town of Cokeville, WY, divides the Smith's Fork River into three channels for irrigation water and flood flows. The structure was built in the early 1960's and is now in need of repair. Two of the three canals (Spring Creek and Middle Channel) receiving water from the diversion flow through the Town of Cokeville.

Funding was appropriated in 2014 for a Level II feasibility 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. The final report which was completed in September of 2015, described three alternatives for the rehabilitation of the structure. After meeting with the District, a phased implementation of Alternative 2 was considered most feasible. A Level III application for this alternative has since been received from the sponsor and is being recommended by the WWDC for funding in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

44. **PROJECT:** **Cokeville Tri-Diversion Structure**
LEVEL: New Application (Level III)
SPONSOR: Cokeville Watershed Improvement District
LOCATION: Lincoln County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	9	1995	II	$ 50,000	1996
Level III	59	1996	II	$160,000	1998
Level II	74	2014	II	$100,000	2017

PROJECT INFORMATION:
The Cokeville Tri-diversion structure above the Town of Cokeville, WY, divides the Smith's Fork River into three channels for irrigation water and flood flows. The structure was built in the early 1960's and is now in need of repair. Funding was appropriated in 2014 for a Level II feasibility study to obtain plans for engineering designs and construction cost estimates for the diversion. The final report was completed in September of 2015 and recommended taking a phased approach to rehabilitating the entire structure as described in Alternative 2 of the study. The initial phase consists of: (a) replacement of the South Fork culvert and headgate; (b) installation of the bulkhead wall and floating debris boom; (c) construction of the sediment sill wall and concrete apron in the forebay; (d) installation of the trash rack; and (e) repair of structural concrete. A second phase, not included in this project request, includes: bank protection along the Smiths Fork and Spring Creek; winter diversion gate into the headgate structure along Spring Creek; and add improvements to measure flows within Spring Creek, South Fork and Smiths Fork. The District has now submitted a Level III construction funding request to rehabilitate the diversion structure in accordance with Alternative 2 of the feasibility study.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $400,000.

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	II	$ 100,000	2006
Level II	85	2007	II	$ 80,000	2009
Level II	32	2010	II	$ 290,000	2013
Level III	141	2013	II	$ 3,700,000	2020

PROJECT INFORMATION:
The Cottonwood Irrigation District is requesting funding for a Level I Master Plan Study to inventory and assess the system, investigate conveyance losses by checking sections of pipe for leaks and making recommendations relative to the prioritization of pipe sections to be replaced, investigating other needed system upgrades, and developing cost estimates and schedules for upgrading their system. The system was installed in the early '70's as a pressurized gravity flow system. The steel pipe has started to rust out in the high clay areas of the system requiring multiple repairs at increasing costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level I status with an appropriation of $165,000.

46. PROJECT: Cottonwood Lake Enlargement

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

EXISTING AND PRIOR 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	$ 290,000	2013
Level III	141	2013	I	$ 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. However, since that time, the District has not taken any action to proceed with the project. Upon subsequent consideration of the project financing and economics, the District has made the determination not to pursue the project. For this reason, the WWDO has recommended the reversion date for the Level III appropriation be amended to July 1, 2016, so as to unencumber funds for use by other projects out of the New Development account.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends amending the reversion date for the $3,700,000 Level III appropriation from July 1, 2020 to July 1, 2016.

47. PROJECT: Cottonwood/Grass Creek Storage

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

EXISTING AND PRIOR LEGISLATION:

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	2015
Level II	74	2014	III	$ 101,000	2017

PROJECT INFORMATION:

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

At the conclusion of the Level I study, preliminary hydrologic evaluations were prepared for four possible dam and reservoir locations in the two drainages. During the 2008 Budget Session, the Legislature appropriated $250,000 to fund a Level II, Phase I 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 (NEPA) analysis; identification of secondary benefits (recreational, industrial and/or environmental uses); a limited geotechnical analysis consisting of bore holes and backhoe test pits; and an economic analysis.

The Level II, Phase I study was completed in 2010. The report concluded that a 5,000 acre-foot expansion of Wale's Reservoir was the most feasible alternative. The report also identified technical, water quality and permitting issues that needed further study.

During the 2011 General Session, additional funding was requested and received to further develop the design and cost estimates for the project. Work included analyzing the potential for water quality improvements, conducting a wetland delineation, updating hydrologic modeling, development of environmental mitigation, and refinement of economics. Due to the unrepresentative stream flow data collected in 2012 because of the extremely low water year, it was determined that additional data needed to be gathered. During the 2013 General Session, additional funding was requested and received to gather more water quality and quantity data. The data collected lead to modifying the reservoir diversion location. This in turn raised questions about high levels of naturally occurring water-quality constituents at the revised location. Additional water quality monitoring, permitting requirement investigation, and diversion design was needed. During the 2014 Budget Session, an additional appropriation was received to refine information on the project to a level where a decision can be made on whether or not to pursue permitting and final design. Data has been collected/analyzed and the Level II, Phase II study is now substantially complete. Project findings show the enlargement of Wales Reservoir is feasible and no fatal flaws are anticipated during a future NEPA or permitting phase of the project. The draft final report is being reviewed by staff and the Sponsor will be presented with project findings. After the Sponsor considers the economic feasibility of the project, and if they resolve to pursue the project, remaining deferred tasks in the Level II, Phase II study will be completed in 2016 to prepare the project for permitting and final design.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	75	2008	I	$1,366,800	2013
Level III	141	2013	I	$ 554,023	2018
Level I	168	2015	I	$ 135,000	2018

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 will 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. Work performed during 2015 consisted of survey mapping, background research, and hydraulic model preparation. This project is on schedule and on budget.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	75	2008	I	$1,366,800*	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 reached final completion in-early 2015.

The Town, Engineer, Contractors and WWDC have all worked together in building a beneficial project for the Town.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action required at this time.

50. PROJECT: Deaver Irrigation District Master Plan Update

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

EXISTING AND PRIOR 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
Level I	168	2015	II	$162,000	2018

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 and 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 areas where open ditches should be put in pipe, and an analysis of the potential for SCADA within their system. The project is currently on time and on budget with an anticipated completion date of November 1, 2016.

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

51. PROJECT: Deaver (Town of) Master Plan

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$125,000	2017

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.

Prior to this study, the Town of Deaver did not have a formal plan in place for its water distribution system, nor did it have accurate location mapping of system components. This study 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 provided the town with the tools and guidance needed to assist in planning, rehabilitation, upgrading, and management of their system. It identified system needs and a plan to accommodate future growth. The final report for this study was issued in August, 2015, and the project was completed on schedule and on budget. The sponsor is currently pursuing Level III funding for transmission line replacement based on the study's recommendations.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

52. PROJECT: Deaver Rehabilitation 2009

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

EXISTING AND PRIOR 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
Level III	23	2015	II	$ 0**	2017

*100% grant for invoiced materials. The sponsor is responsible for all other project costs.
** Time extension July 1, 2015 to July 1, 2017.

PROJECT INFORMATION:
The WWDC has systematically provided funding to the Deaver Irrigation District to complete the rehabilitation projects identified in the 2002 Level II study. The District is making a concerted effort to rehabilitate its water delivery system. The 2009 project replaced open ditches with pipe on laterals D56-1, 196F, and D56-64. The additional funds appropriated in 2011 replaced open ditches with pipe on laterals 189F and D113. In addition the District 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, D113, and 158F. During the winter of 2015-2016 the sponsor is constructing Lateral D56-1 extended. Installation of the ten farm turnout headgate assemblies is scheduled for the winter of 2016-2017. This project should be completed in 2017.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

53. PROJECT: Deaver Transmission Pipeline

LEVEL: New Application (Level III)
SPONSOR: Town of Deaver
LOCATION: Town of Deaver, Big Horn County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$125,000	2017

PROJECT INFORMATION:
Deaver's existing transmission line is aging, and failure is likely. Future maintenance costs on this line will be excessive. Valves are faulty and inaccessible. Adequate fire flow can't be provided with the current transmission line size. Transmission line replacement has been identified as the highest priority in the recommendations developed in the master plan that was financed by the WWDC and completed in August, 2015. The sponsor is requesting Level III funding for a water transmission line project that serves approximately 120 potable water taps.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level III status with an appropriation of $770,500.

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

EXISTING AND PRIOR LEGISLATION:

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

*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 – Phase I 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. At this time the spring shelter structure has been designed and constructed and the pipeline design is underway.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to New Development Level III – Phase II funding with an appropriation of $7,959,600. The financing plan includes a 67% grant to be used for construction and construction management activities related to the Transmission pipeline from the Little Box Elder Spring to the City's current water system. The sponsor will be responsible for obtaining the remaining 33% funding.

55. **PROJECT:** **Dry Creek Irrigation District Master Plan**
LEVEL: Level II
SPONSOR: Dry Creek Irrigation District
LOCATION: Lincoln County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	168	2015	II	$150,000	2018

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 Master Plan is 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 is being investigated. Cost estimates will be produced to include both a total and phased approach to construction and replacement according to a recommended rehabilitation schedule. The project is currently on time and on budget with anticipated completion in September, 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

56. PROJECT: Dubois Well Acquisition

LEVEL: New Application (Level III)
SPONSOR: Town of Dubois
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	82	1998	I	$75,000	Complete
Level II	7	2002	I	$75,000	Complete
Level II	125	2003	I	$20,000	Complete
Level II	34	2004	I	$400,000*	Complete
Level III	118	2004	I	$45,000	Complete
Level III	105	2006	I	$205,000	Complete

* The airport well was drilled/completed under this appropriation

PROJECT INFORMATION
As part of a past WWDC Level II study, a test well was drilled and completed at the Dubois airport. The well has sat idle, however Dubois is presently involved in making improvements to its municipal airport including a runway extension. The Town is interested at this time in acquiring the well for terminal domestic supply and other airport water supply requirements. The Town of Dubois is therefore requesting a WWDC recommendation for Legislative authorization to acquire/purchase the 2005 Level II Dubois airport test well.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Sponsor be authorized to acquire and purchase the 2005 Level II test well at 33% of the construction cost in the amount of $7,429.46.

57. PROJECT: Dull Knife Reservoir Spillway Rehabilitation

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	II	$1,715,000*	2020

*35% grant

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. Currently the project is at the 50% design phase, the project is anticipated to go to construction in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

58 **PROJECT:** **Eastern Shoshone Boulder Flats Well Field**
LEVEL: III
SPONSOR: Eastern Shoshone Tribe & Shoshone Utilities Organization (SUO)
LOCATION: Fremont County, Wind River Indian Reservation (WRIR)
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$275,000	2014
Level III	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 was identified as a feasible supplemental source for Boulder Flats. The study also recommends that booster pumps on the Fort Washakie-Boulder Flats pipeline should be replaced and upgraded from twin 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. Portions of the design are complete and well construction started in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	141	2013	II	$ 233,500*	2020
Level III	23	2015	II	$2,132,500*	2020

*50% grant

PROJECT INFORMATION:
This project consists of the lining of approximately 6,600 feet of the unlined Farson Canal and replacing approximately 14,000 feet of existing earth laterals with pipe. 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**.**

In 2011 the Legislature authorized an appropriation of $233,500, which is 50% of the engineering design, permitting, NEPA analysis and cultural resources evaluation. The proposed financing plan provides a 50% grant with the Sponsor seeking a Colorado River Basin Salinity Control Program (SCP) grant for the

remaining 50% of project costs. Total construction costs of the project are estimated at $4,732,000. In 2013, the SCP retracted project funding due to federal budget sequestration. In 2015 the Legislature authorized an appropriation of $2,366,000 contingent upon approval of a supplemental budget request, which was approved.

RECOMMENDED LEGISLATIVE ACTION:
Remove phased status of project as construction funding was authorized in 2015.

60. PROJECT: Eden Valley (Farson) Master Plan

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

EXISTING AND PRIOR 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:
A Level I reconnaissance level study was completed in 2013 which identified three water supply alternatives and recommended that a Level II study be pursued to further evaluate the potential for a water system in the area. The Level II study focused on analyzing, and updating, the three water supply alternatives developed in the Level I study, and defined a system based on the potential users who were interested in such a community water supply system. A survey was conducted to determine this interest. The project was completed November, 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

61. PROJECT: Eden Valley Irrigation District Master Plan

LEVEL: I
SPONSOR: Eden Valley Irrigation and Drainage District
LOCATION: Sublette and Sweetwater Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

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 I	66	2009	III	$ 100,000	2014
Level III	63	2011	II	$1,713,000*	2016
Level II	1	2011	III	$ 300,000	2014
Level III	141	2013	II	$ 233,500	2018
Level III	141	2013	II	$1,327,500**	2018
Level III	23	2015	II	$2,132,500	2020
Level III	168	2015	III	$2,000,000	2018

*50% grant
**55.07% grant; the 2009 appropriation of $6,580,000 was increased to $7,907,000.

PROJECT INFORMATION:
The Eden Valley Irrigation and Drainage District (EVIDD) is requesting funding for a Level I Master Plan to inventory and assess their system, investigate piping and/or lining canals and laterals that have not

yet been piped or lined, incorporate the entire system into SCADA, replace the sand trap, and evaluate the outlet works at the diversion. This Master Plan would bring all of the work together that has previously been completed and allow EVIDD to identify and prioritize remaining capital improvement projects. This Master Plan will also put the District in a position to leverage federal funding from the Colorado River Basin Wide Salinity Control Program as well as other federal funding sources.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level I status with an appropriation of $195,000.

62. PROJECT: Eden Valley Rehabilitation 2009

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

EXISTING AND PRIOR LEGISLATION:

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

*50% grant
**55.07% grant; the 2009 appropriation of $6,580,000 was increased to $7,907,000

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. Phase III will be considered complete when the new pipeline delivers water for a complete irrigation season without leakage.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

63. PROJECT: Ethete Water Supply

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	I	$ 700,000	2006
Level II	99	2006	I	$ 605,000	2009
Level III	121	2007	I	$3,200,000*	2012
Level II	33	2008	I	$ 685,000	2010
Level III	66	2010	I	$2,000,000**	2015
Level III	23	2015	I	$ 0***	2018

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

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

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

In 2007, the WWDC recommended the project be continued in the New Development Program at Level III with an appropriation of $3,200,000. The legislature approved the appropriation at 67% grant and 33% loan. The proposed Level III project included construction, pipeline, materials, and appurtenances necessary for incorporation of the Level II test well into the existing NAU water supply system that serves the community of Ethete and the surrounding area. Upon completion of the Madison well on Sage Creek Anticline in March 2007, it was determined that flows and water quality would not meet the minimum requirements for the sponsor's needs and the well was subsequently plugged and abandoned. In 2008, Level III funds were reverted and the WWDC and NAU began consideration of other options.

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

64. PROJECT: Evansville Emergency Connection

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

EXISTING AND PRIOR 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 negotiations are nearly complete. The project should proceed in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

65. PROJECT: Fayette Irrigation Rehabilitation

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

EXISTING AND PRIOR 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. Due to permitting and easement issues, the Sponsor has encountered delays and is requesting additional time and funding.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III appropriation in the Rehabilitation Program by $120,000, from $180,000 to $300,000. The financing plan will remain the same with a 67% grant and 33% loan for the project costs. The WWDC recommends extending the Reversion date from July 1, 2017 to July 1, 2018.

66. PROJECT: Fontenelle Dam and Outworks Infrastructure Completion

LEVEL: New Application (Level II)
SPONSOR: State of Wyoming
LOCATION: Lincoln and Sweetwater Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

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

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

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

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

This project will look specifically at making the 80,796 acre-feet of currently inactive capacity usable. The State of Wyoming is also currently considering options for leasing the remainder of the active capacity (139,000 acre-feet) that is available for contract. A separate effort will investigate this contracting opportunity. In order to address the practicality of making the inactive pool available for use, this project will investigate the feasibility associated with adding riprap to the dam face from the current

elevation (approximately 6,460') to the top of the dead pool (approximately 6,408'). Furthermore, the project will investigate potential environmental impacts and / or benefits, both during construction and as a result of a potential change in management of stored water. The project will consider construction sequencing, power generation components, functionality of the existing outlet works, permitting, and interagency coordination.

While the Water Strategy does not define a particular future use for the additional water, there may be a variety of potential uses that could benefit the State of Wyoming. One option may be to utilize it to mitigate a Colorado River Compact call and, perhaps, offset a curtailment of consumptive use in Wyoming. Another potential option may be use as "system water" in the Colorado River to help meet the Compact requirement for delivery below Lake Powell.

The Wyoming Water Development Commission has applied for funding to consider this project through the Upper Colorado River Basin Fund Memorandum of Agreement (MOA) on two occasions. Both applications have been denied by the U.S. Department of the Interior Bureau of Reclamation (USBOR). Upon further discussion with the USBOR, a third application has been submitted and is currently being considered.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends funding, in the amount of $200,000, from the New Development Program, to complete a Level II Feasibility Study to investigate the possibility of increasing the usable capacity within Fontenelle Reservoir.

67. PROJECT: Fontenelle Pipeline

LEVEL: NA
SPONSOR: State of Wyoming
LOCATION: Green River Basin
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
Stakeholders in the Green River Basin suggested that the State of Wyoming conduct a study to evaluate potential uses of water below Fontenelle Reservoir. Potential users include agriculture, industry, and municipalities. 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. While this effort is not expected to meet standard WWDC Level I requirements, the work to date has been undertaken to help the users and Commission determine if a Level I study is warranted. A summary document of the analysis has been completed and is going through internal review.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

68. PROJECT: Fort Laramie Storage Tank

LEVEL: Level III
SPONSOR: Town of Fort Laramie
LOCATION: Goshen County
PROGRAM: New Development

EXISTING AND PRIOR 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

*67% grant

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 is currently wrapping up. Construction is complete and the final pay requests are pending.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

69. PROJECT: Fox Ridge Extension Master Plan/Gillette Regional

LEVEL: New Application (Level II)
SPONSOR: Fox Ridge Subdivision Improvement and Service District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
The Fox Ridge Improvement and Service District is located about 5 miles South of Gillette just West of Highway 50 in Campbell County located in northeast Wyoming. The Fox Ridge Subdivision ISD was formed in August 2010 to manage the roads and water system for the Fox Ridge Subdivision.

In anticipation of connecting to the Gillette Regional System, the sponsor is requesting an analysis of its existing water distribution system. The Level II study would primarily accomplish the following in the form of a master plan:

- Inventory, map, and evaluate the existing water system infrastructure and district boundaries, identify deficiencies, and provide a more efficient mapping system;
- Prepare a hydraulic model to simulate and evaluate system operations prior to and after connection to the regional system; assess demands and potential fire flows; help identify improvements needed to accommodate future growth; and, ascertain service limits (# of taps);

- Identify, prioritize, and prepare conceptual-level designs and cost estimates for capital improvement projects needed to facilitate regional connection and other improvements along with a corresponding schedule; and,
- Review the sponsor's water rate schedule and prepare a financial plan for system improvements.

The Fox Ridge ISD has only one well and will be signing a Water Service Agreement with the City of Gillette for connection to the Gillette Regional Water System. All Districts that are planning a connection to the Regional System have been strongly encouraged to apply for a Master Plan Analysis of their water system. Fox Ridge understands the importance of this long term plan, and has therefore submitted this application for Level II funding.

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

70. PROJECT: Gillette Madison Pipeline Joint Bonding

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	147	2005	II	$ 1,225,000*	2014
Level III	105	2006	II	$ 2,900,000**	2014
Level III	38	2009	II	$ 5,077,500***	2014
Level III	100	2014	II	$ 0[1]	2015
Level III	23	2015	II	$ 0[1]	2016

* 50% grant. This appropriation replaced by the 2006 appropriation.
**67% grant. This appropriation replaced by the 2009 appropriation.
*** 67% grant.
[1]Time extension only.

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 existing 30-inch pipeline. Bids for Phase III were received by the city on June 3, 2015. The project is currently under construction and is scheduled for completion in early 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

71. PROJECT: Gillette Madison Water Project

LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: Special Legislation

EXISTING AND PRIOR LEGISLATION:

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

*33% funding from the Campbell County Capital Facilities Tax
**Time extension only (2017)

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.

Construction of Contract - 4b, c, d & f, approximately 22 miles of 42-inch between the Moorcroft and the Donkey Creek Pump Station, is substantially complete. Projects currently under construction include the Pine Ridge Disinfection Facility, Donkey Creek Pump Station and the Madison Formation production wells. Completion of the Pine Ridge Disinfection Facility and Donkey Creek Pump Station is anticipated in 2016. Completion of the Madison Formation production wells is anticipated in 2017. Remaining projects required to complete the project include pipeline Contract 4e - Transmission Pipeline, approximately 11 miles of 42-inch pipeline between Moorcroft and the Pine Ridge storage facilities, Contract E4 - Well field electrical distribution system, Contract 2b – Well field piping, pumps and equipment, Contract 6 – Pine Ridge storage tank, Contact 8 – 18-inch blending pipeline between Pump Station No. 1 and the WYODAK.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

72. PROJECT: Gillette Regional Extensions

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant only. This appropriation replaced by the 2013 appropriation.
**67% grant only. This appropriation replaced by the 2014 appropriation.
***67% grant only.

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 appropriation included a budget for the project design, permitting and land acquisition. In 2013, the Legislature appropriated $5,494,000 for construction of the project. In 2013 the City of Gillette requested additional Level III funding to connect the Force Road Joint Powers Board to the Regional System. In 2014 the Legislature appropriated $234,500 to the project to facilitate the Force Road connection to the regional water system.

The project is currently under construction and is anticipated to be completed in 2016.

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

73. **PROJECT:** **Gillette Regional Extensions-Phase II**
LEVEL: New Application (Level III)
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	88	2008	I	$350,000	2011

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 Gillette Regional Extensions project was the first of the extensions projects that will connect districts to the regional water system.

In 2015 the City of Gillette submitted an application to the WWDC for the design and construction of the Gillette Regional Extensions Phase II project. The funding request would connect Rock Road, Eight Mile Improvement & Service District, Stone Gate Estates, American Road Water & Sewer District, Freedom Hills Improvement & Service District, Meadow Springs Improvement & Service District and Rozet Ranchettes to the regional water system. The funding request from the city was for a 67% grant in the amount of $9,715,000. Due to budgetary constraints, the WWDO Agency Director's recommendation at the November Commission meeting was to advance the design only of the Eight Mile Improvement & Service District, Stone Gates Estates and Rocky Road to New Development Program.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Gillette Regional Extensions – Phase II Project be incorporated into the New Development Program at Level III status with an appropriation of $562,800. The financing plan includes 67% grant for design, permitting, and easements. The sponsor is responsible for the remainder of the project costs.

74. PROJECT: Glendo Reservoir Full Utilization Project

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

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
Glendo Dam and Reservoir is located on the North Platte River in eastern Wyoming and is a 190 foot tall dam owned by the U.S. Department of the Interior Bureau of Reclamation (Reclamation).
The original project was authorized as part of the Flood Control Act of 1945 and a significant portion of the reservoir storage space is reserved for flood control. Currently, any water stored in the flood control pool is released downstream as soon as the flood risk subsides.

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

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

Specifically, this project will look at the coordination requirements between Reclamation, the Corps, the U.S. Fish and Wildlife Service, and the States of Wyoming and Nebraska. The study will also look at impacts to flood risk, impacts to State Park facilities, environmental impacts and benefits, compliance with the North Platte Decree, and what is the appropriate volume of re-purposed flood control space that provides the most flexibility for water managers. Other project tasks include review of background information, data collection, hydrologic modeling and flood risk analysis, historic design criteria, review of current system and operating criteria, proposed updates to design and operating criteria, and a summary report.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level II status with an appropriation of $300,000.

75. PROJECT: Glenrock Transmission Pipeline

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

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

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

The identified Level III project is for the design and construction of a 12-inch PVC transmission pipeline. This pipeline will replace an aging/failing waterline infrastructure. The Town has taken a systematic approach to annually replace and improve the Town's aging water and sewer infrastructure. This 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 secured the services of Engineer and initiated the design and easement documentation/acquisition process for the project.

In 2015, the project was successfully bid and awarded. The project construction took place during the summer of 2015 and progressed in a timely manner. The project has reached final completion and is anticipated to be finalized in early-2016.

The Town, Engineer, Contractor and funding agencies have all worked together to build a successful project of the community.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

76. PROJECT: Goose Creek Watershed Study

LEVEL: I
SPONSOR: Sheridan County Conservation District
LOCATION: Sheridan and Johnson Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

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

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

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

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.

77. PROJECT: Goshen Irrigation District-Guernsey Spillway Rehabilitation

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

EXISTING AND PRIOR LEGISLATION:

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

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 bid in 2016. WWDC recommended a 67% grant for GID's portion of the eligible costs for a total of $449,570. Those funds were appropriated in 2015. The 33% matching funds are to be a loan from the Bureau of Reclamation. It is WWDO's understanding that the District will make one payment at the end of the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

78. PROJECT: Goshen Irrigation District Rehabilitation 2013

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

EXISTING AND PRIOR LEGISLATION:

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

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

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

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

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

The District identified the remaining portion of the Table Mountain Lateral and Check Structure 45.1 as its next rehabilitation project. In 2011, the District received Level III funding as a materials only grant for $1,100,000 for the remaining portion of the Table Mountain Lateral and Check Structure 45.1. Construction for these projects took place during 2012 and 2013. The projects were completed in 2013. These projects are working as intended and the project appropriation has been closed out.

In 2013, the District received $1,400,000 in grant funds to finance 100% of invoiced materials for three project components. These projects include: Main Canal Lateral 45.1, East Springer Main Lateral 7.0,

and Tunnel No. 1 outlet floor. Both lateral projects are open ditches that will be replaced with buried pipelines. The reinforced concrete floor of the outlet of Tunnel No. 1 has eroded over time and is breaking up in places. The floor of Tunnel No. 1 will be removed and replaced with a new reinforced concrete.

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

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

During 2015, the District determined it needed to replace check structure 49.5 due to its failing foundation and headwall. The project was successfully designed, bid and awarded. The project is currently under construction and is anticipated to be completed in 2016.

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.

79. PROJECT: Grace Land Extension Master Plan/Gillette Regional

LEVEL: II
SPONSOR: Grace Land Improvement & Service District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

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

The Grace Land ISD has signed a Water Service Agreement with the City of Gillette for connection to the Gillette Regional System. The District does not have a formal plan in place for its water distribution system. In expectation of connecting to the regional system, this Level II study would accomplish the following in the form of a master plan: inventory, map, and evaluate the existing water system infrastructure and district boundaries, identify deficiencies, and provide a more efficient mapping system; prepare a hydraulic model to simulate and evaluate system operations prior to and after connection to the regional system; assess demands and potential fire flows; help identify improvements needed to accommodate future growth; and, ascertain service limits; identify, prioritize, and prepare conceptual-level designs and cost estimates for capital improvement projects needed to facilitate regional connection

and other improvements along with a corresponding schedule; and, review the sponsor's water rate schedule 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 II status with an appropriation of $105,000.

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

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 250,000	2007
Level I	85	2007	I	$ 220,000	2010
Level II	66	2009	I	$ 350,000	2011
Level III-I	63	2011	I	$ 900,000	2016
Level III-II	14	2012	I	$ 8,282,000*	2017
Level II	168	2015	I	$ 125,000	2018

*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. The Level II study commenced in June 2015 and the Level II final report is scheduled to be submitted by September 1, 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

81. PROJECT: Green River/Rock Springs/Sweetwater County Joint Powers Water Board Raw Water Reservoir

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

EXISTING AND PRIOR LEGISLATION

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 250,000	2007
Level I	85	2007	I	$ 220,000	2010
Level II	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, 24.5% loan. This appropriation is replaced by the 2012 appropriation.
**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).

82. PROJECT: Greybull Tank and Master Plan

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

EXISTING AND PRIOR 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	2017

PROJECT INFORMATION:
Greybull has completed 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 have agreed on 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 was timed right for completion of the WWDC water system master plan. The County tank is relatively new, constructed in 2007 for fire suppression at the airport but can serve that function as well as be a useful storage location for Greybull. The tank will also serve as future replacement storage for the Town's aging (50+ yrs.) 1 million gallon East Tank. The feasibility study of the tank transfer recommended a new 12" transmission line to connect the Town with the airport tank. The study was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

83. PROJECT: Greybull Transmission Pipeline

LEVEL: New Application (Level III)
SPONSOR: Town of Greybull
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING AND PRIOR 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	2017

PROJECT INFORMATION:
The Town of Greybull and Big Horn County are advancing the transfer of a 650,000 gallon fire suppression storage tank, located at the airport, to the Town's control and use as an addition to municipal potable storage. The project funding request is for construction of a 1.4 mile transmission pipeline connection from town to the tank. The County tank is relatively new, constructed in 2008 for fire suppression at the airport but could serve that function as well as be an effective storage location for Greybull potable water and fire flow needs. The tank could also serve as future replacement storage for the Town's aging (50+ yrs.) 1MG East Tank. The Level II feasibility study of the tank transfer recommended this new 12" transmission line to connect the Town with the airport tank.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the tank transmission line project be incorporated into the New Development Program at Level III status with a 67% grant appropriation of $824,100.

84. PROJECT: Greybull Valley Irrigation District Storage Enlargement

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	28	1994	I	$ 3,000,000	2000
Level III	59	1996	I	$ 37,000,000	2000
Level II	7	2002	I	$ 60,000	2004
Level III	88	2002/2005	I	$ -7,942,542	2010
Level II	85	2007	II	$ 100,000	2008
Level III	121	2007	I	$ 476,000	2014
Level II	33	2008	II	$ 100,000	2008
Level II	33	2008	II	$ 150,000	2010
Level III	38	2009	II	$ 300,000	2014
Level III	63	2011	II	$ 3,600,000	2015
Level II	57	2012	I	$ 85,000	2014
Level III	14	2012	I	$ -326,000	2014
Level I	66	2013	I	$ 350,000	2015
Level II	168	2015	III	$ 300,000	2018

PROJECT INFORMATION:
The Greybull Valley Irrigation District (District), located in Park and Bighorn Counties along the Greybull and Wood Rivers, applied for, and received, funding during the 2015 General Session to investigate the possibility of increasing storage capacity to provide additional 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 these studies with Roach Gulch Reservoir ultimately being constructed in the early 2000's. An updated hydrologic model would reveal where shortages may continue to 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 studies, 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 is being utilized for this project to corroborate and expand on the efforts of the Update.

If current hydrologic modeling justifies pursuing additional storage, the project will utilize, and expand upon, past work in an effort to create an updated long list of potential storage sites in the basin. Utilizing the updated hydrologic analysis, and other feasibility criteria, the long list of potential storage sites will be screened to a short list. Data for the shortlisted sites will be refined and further evaluated in an effort to identify the Least Environmentally Damaging Practicable Alternative (LEDPA). Once a preferred site is identified, a Level II, Phase II study may be pursued to collect site specific data through field work such as geotechnical drilling, wetland delineations and cultural resource surveys. The current Level II study is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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".

Construction is underway for the reservoir with an expected completion date of July 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

85. PROJECT: Groundwater Studies
LEVEL: N/A
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
GW Grants	8	1981	I	$3,000,000	N/A
GW Grants	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.

86. PROJECT: Hanna Water System

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	1	2011	I	$125,000	2014
Level II	66	2013	I	$100,000	2016

PROJECT INFORMATION:
In 2011 the Town of Hanna requested a water master plan to inventory their water system, identify current and future needs, provide recommendations for upgrading the system, and to help develop financial strategies for funding, upgrading, and managing the system. The level I reconnaissance study recommended a level II feasibility study to further analyze several transmission lines in the system. The Level II study was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

87. **PROJECT:** **Hanover Irrigation District Master Plan**
LEVEL: New Application (Level I)
SPONSOR: Hanover Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	123	1990	I	$ 60,000	1993
Level III	79	1990	II	$ 600,000	1995
Level III	231	1991	II	$ 1,200,000	1996
Level III	69	2003	II	$ 87,000	2008

PROJECT INFORMATION:
The Hanover Irrigation District is located in the Big Horn Basin near Worland, Washakie County, Wyoming. The District has direct flow rights from the Big Horn River and secondary supply rights from Boysen Reservoir. There are some 13,000 acres served by the District between the towns of Kirby and Manderson. The irrigation supply system consists of a dam, a concrete headgate, moss screen, check dams, spillways, and 35 miles of canal. There are 520 landowners served by the system.

The Hanover Irrigation District is requesting funding for a Level I Study to inventory and assess their transmission system, investigate conveyance losses, and identify and prioritize capital improvement projects for financial planning. Similarly, the study should analyze the diversion structure for trash management and other appurtenances for automation, produce a GIS to assist in the management of the system, and recommend any needed operational changes. Cost estimates will include both a total and phased approach to construction and replacement according to a recommended rehabilitation schedule. Identification of funding assistance and an analysis of the ability to pay for the improvements to the system will be included as part of the study.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level I status with an appropriation of $175,000.

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

EXISTING AND PRIOR 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	2016
Level II	168	2015	II	$ 110,000	2018

*This appropriation is replaced by the 2012 appropriation.
**100 percent grant for invoiced materials. The sponsor is responsible for all other project costs.

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

Structural failures have been occurring along a concrete section of the canal near the siphon's outlet at the head of the canal. These failures have been further identified during a Level II master plan study (completed during 2015). Subsurface instability is suspected as the source of these failures which has highly compromised the stability of the canal. HMID has diligently performed numerous repairs along this section of the canal to keep it operational. These repairs consisted primarily of concrete slurry injections and asphalt linings. However, the efficacy of these repairs is highly uncertain. This site-specific study along this section of canal involves geotechnical explorations, engineering assessments, design, and cost estimates to more definitively identify rehabilitation or replacement solutions. The primary objective of this study is to conduct geotechnical explorations into underground conditions along the canal. Ground penetrating radar, drilling, and any other forms of investigation deemed necessary are be utilized. Work during 2015 consisted of background research into canal operations and ground penetrating radar exploration. The project is on schedule and on budget.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

89. PROJECT: Heart Mountain Irrigation District Master Plan

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

EXISTING AND PRIOR 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	2016
Level II	168	2015	II	$ 110,000	2018

*This appropriation is replaced by the 2012 appropriation.
**100 percent grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
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.

Prior to this study, HMID did 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. The district's GIS was 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 had no formal plan in place for integration and placement.

The primary objectives of this master plan were 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 evaluated system operations. Water rights were reviewed and compiled into the district's GIS along with easements and rights of way. During 2014 and due to managerial changes at the District, this project was delayed approximately four months. The project came back on schedule during 2015 and concluded on budget with the final report being issued in May, 2015. Based on the recommendations of this study, the sponsor has since obtained Level II funding to address rehabilitation needs of the Heart Mountain Main Canal.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

90. PROJECT: Heart Mountain Rehabilitation 2010

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

EXISTING AND PRIOR LEGISLATION:

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

*This appropriation is replaced by the 2014 appropriation.
**100% grant for invoiced materials. The sponsor is responsible for all other project costs.

PROJECT INFORMATION:
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 Level III funding and work authorized in 2012 and 2014. The sponsor has completed the pipeline work on Laterals H24, H55, H79-5, Lower Ralston Lateral, and H57. Automated control gates have been installed at the Alkali Creek spills, one location on the Heart Mountain Canal and the other location on the Ralston Lateral. The check structure in the Heart Mountain Canal for the Ralston Lateral headgate, the Lateral R41 headgate, control gates at the North Cottonwood Siphon and Spillway, and control gates at the Rattlesnake Siphon and Spillway have also been automated. During this project the sponsor has installed a system wide SCADA system.

During the 2015-2016 winter the sponsor is replacing the concrete ditch on Lateral R15 with a pipeline. The Heart Mountain Rehabilitation 2010 Project is anticipated to be completed in 2016.

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.

91. PROJECT: High Meadow Ranch Level II

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$175,000	2015
Level II	168	2015	I	$500,000	2018

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 applied for Level II funding as part of the 2015 New Development Program to drill a new well as recommended by the master plan. As of late 2015, Level II efforts include well siting, permitting, and environmental clearances.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

92. PROJECT: Hill Irrigation District-Guernsey Spillway Rehabilitation

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

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:
The Bureau of Reclamation has determined 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 bid in 2016. WWDC recommended a 67% grant for HID's portion of the eligible costs for a total of $36,850. Those funds were appropriated in 2015. The 33% matching funds are to be a loan from the Bureau of Reclamation. It is WWDO's understanding that the District will make one payment at the end of the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

93. PROJECT: Indian Paintbrush Water Supply

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

EXISTING AND PRIOR 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 is advancing with connection of the Level II well and other improvements recommended in the study completed in early 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

94. PROJECT: Indian Paintbrush Water Supply

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

EXISTING AND PRIOR LEGISLATION:

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

*67% Grant

PROJECT INFORMATION:
The Indian Paintbrush Water District is a recently formed (Aug. 2010) entity composed of adjacent residential subdivisions and segregated tracts in Teton County that share a public water supply system installed in the early 1970's. The District occupies approximately 240 acres in Section 33, T41N, R117W in the Flat Creek drainage (trib. Snake River) and is 1¼ miles south of Wilson on the Fall Creek road. The District sought WWDC funds as a new applicant in 2012 to make improvements on an aging system that has inherent deficiencies in serving the present users. The principal source supply well is experiencing declines in production; storage is undersized and decrepit; and there is suspected significant leakage in the distribution system, all contributing to inadequate year-round supply problems. The WWDC study included an analysis of water supply alternatives, leak detection, storage component alternatives, and a follow-up feasibility study to the District-funded 2009 master plan to guide the district in operations and suggesting a best-fit water rate structure to meet the costs for upgrades and O&M. Phase I of the WWDC Level II study, begun in 2012, determined that the District required additional ground water source supply beyond that provided by the two existing wells. The 2013 exploration drilling program advanced in complex geologic terrain to seek maximum aquifer potential and succeeded with a test borehole that was significantly deeper than the district's supply wells. In Spring 2014, a production-size well was drilled and completed at the test drilling site. Agreements have been sent to district for signature.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

95. PROJECT: Interstate Canal and Beaver Meadows Reservoir Rehabilitation

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	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 acre-feet of being able to store its permitted capacity of 2,461 acre-feet, 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. Results were presented to the Interstate Irrigation and Reservoir Company for further consideration. This project was completed in 2015.

ECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

96. PROJECT: Jamestown/Rio Vista Water Supply

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

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

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. In 2015, WWDC recommended a 67% grant in the amount of $4,288,000 which was appropriated by the 2015 legislature. Currently, the project agreement has been executed and it is expected that design will commence in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

97. PROJECT: Jeffrey City Water System Improvements

LEVEL: III
SPONSOR: Jeffrey City Water & Sewer District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR 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 WYDEQ source supply capacity requirements, 3) installing two 250-gallon pressure-bladder tanks to limit well pump starts, 4) programmable well controls, 5) new chlorination systems for both supply wells, and 6) appurtenant well housing, piping, fencing, other improvements. The existing 250,000 gallon storage tank will be abandoned in favor of the two-well system.

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

In June 2014, the Sponsor received a portion of the funding requested through the SLIB MRG program to design the WWDC eligible portion of the project. Since then, the Sponsor has executed the project agreement with the WWDC and also the Engineer and design is underway. As of late 2015, the District has applied for the remaining funds from SLIB MRG and Rural Development has committed to provide funds once the design is complete and construction begins. Provided that SLIB MRG funds are allocated for the project, it should proceed in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

98. PROJECT: Kaycee Replacement Tank

LEVEL: III
SPONSOR: Town of Kaycee
LOCATION: Johnson County
PROGRAM: New Development

EXISTING AND PRIOR 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
Level III	23	2015	I	$ 435,000*	2020

*67% grant

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.

In 2015, the Sponsor received a 67% grant funding appropriation from the New Development program in the amount of $435,000. The Sponsor secured additional funding from the SRF program. An Engineer was selected and the design process is nearing completion. The project is anticipated to go to bid in-early 2016 with construction to follow.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

99. **PROJECT:** **Kemmerer-Diamondville Water System**
LEVEL: III
SPONSOR: Kemmerer-Diamondville JPB
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

*67% Grant

PROJECT INFORMATION:
The 2008 Legislature appropriated $100,000 to complete a Level I Master Plan for the Kemmerer/Diamondville JPB. The Master Plan identified several deficiencies and necessary upgrades for further analysis, design, and cost estimates in a Level II study.

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

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

The Sponsor has selected an engineer and initiated the design process. The project is anticipated to go to bid in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

100. **PROJECT:** **Kemmerer Transmission Pipeline 2016**
LEVEL: New Application (Level III)
SPONSOR: Kemmerer-Diamondville JPB
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

*67% Grant

PROJECT INFORMATION:
The project consists of constructing an 18" redundant transmission pipeline as identified in a WWDC Level II study. The new transmission pipeline will provide redundancy between the Hams Fork River, the Union Pacific Rail Road tracks and U.S. HWY 30. Three factors increase the importance of this section of pipeline; (i) the Treatment Plant is on the north side of these obstacles, (ii) all the system's storage/elevation tanks and more than 90% of residential customers and community businesses (including

the Viva Naughton Power Plant and the Westmoreland Coal Mine) are on the south side, and (iii) this is the only line connecting the two sides of the system.

The Sponsor is seeking grant funds from the New Development program in the amount of $1,172,500. This amount would be for a 67% grant of the project eligible costs. The remaining project funds would be provided by the Sponsor.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be funded at Level III in the New Development program for the amount of $1,172,500.

101. PROJECT: Kirby Rehabilitation 2011

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

EXISTING AND PRIOR 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**	2017

*67% grant, 33% loan
**Sponsor's Contingency 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 has constructed all of the improvements with the exception of concrete lining repairs, of which the engineer, contractor, and sponsor are seeking information about alternate repair materials and methods, which may extend construction to either the spring or fall of 2016. The project is expected to be completed in 2016. 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 Contingency Fund portion of the financing, and is responsible for all costs not covered by WWDC funding.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends extending the project funding reversion date from July 1, 2016 to July 1, 2017.

102. PROJECT: LaBarge Water Supply

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

EXISTING AND PRIOR 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

** Sponsor's Contingency Fund 67% Grant, 33% sponsor

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's Contingency Account. The project was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

103. PROJECT: Lake Hattie Dam

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	14	2012	II	$840,000	2017
Level III			II	$1,122,000*	2017

* Denotes "Sponsor's Contingency 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 Contingency Fund" to provide sufficient funds to complete construction of the project. This project was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

104. PROJECT: Lakeview Irrigation District Rehabilitation 2014

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

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

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 2016.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

105. PROJECT: Lakeview Irrigation District Rehabilitation 2016

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	II	$250,000	2013
Level III	100	2014	II	$154,770*	2019

*67% grant

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

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

The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $194,300. The appropriation is a 67% grant for design and construction costs with the Sponsor being responsible for 33% of the project budget.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Legislature approve the project at Level III status with an appropriation of $194,300 for the siphon reconstruction.

106. PROJECT: Lance Creek Well Connection

LEVEL: III
SPONSOR: Lance Creek Water and Sewer District
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

107. PROJECT: Lander Transmission Pipeline 2016

LEVEL: New Application (Level III)
SPONSOR: City of Lander
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$100,000	2009
Level I	32	2011	I	$85,000	2011
Level III	14	2012	I	$3,068,000*	2017

* 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. The proposed project includes the following improvements: 1) Mager Zone transmission line, 2) high pressure feed from Overlook Terrace Dillon PRV, 3) Clubhouse – Dillon isolation to Mount Hope transmission line, 4) Industrial Park transmission, 5) Mount Hope transmission, 6) Pump House demolition, 7) Mager Tank feed, and 8) tank meters and SDADA.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development program at Level III status with an appropriation of $2,070,970 (67% grant only).

108. PROJECT: Lander Water Supply

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$ 100,000	2009
Level I	32	2011	I	$ 85,000	2011
Level III	14	2012	I	$3,068,000*	2017

* 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, construction began in 2015 and should be completed by 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

109. PROJECT: Laramie Master Plan

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

EXISTING AND PRIOR 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 has been 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 identified the parts of the existing water system that were deficient and provided a prioritization of needed improvements. It also identified system needs and developed a plan to accommodate future growth. The study is scheduled for completion early 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

110. PROJECT: Laramie North Side Tank

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

EXISTING AND PRIOR 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. The City of Laramie Water Master Plan is currently being finalized by the consultant. Following completion of the master plan, the City of Laramie intends to select an engineering consultant to move forward with the project design.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

111. PROJECT: Laramie Transmission Pipeline

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

EXISTING AND PRIOR 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. The project was completed in 2015. The WWDO is waiting for the City of Laramie to provide a letter indicating that the project is closed out and all engineering and construction invoices have been paid.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

112. PROJECT: LeClair Irrigation District Master Plan

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$ 50,000	2004
Level II	75	2005	II	$250,000	2006
Level III	69	2003	II	$565,000	2012
Level I	168	2015	II	$175,000	2018

PROJECT INFORMATION:

The LeClair Irrigation District has never had a complete master plan analysis of their system. The master plan currently under development will 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. Currently the project is on time and on budget with a draft report due in November of 2016.

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

113. PROJECT: LeClair Irrigation District Rehabilitation 2016

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$ 50,000	2004
Level II	75	2005	II	$250,000	2006
Level III	69	2003	II	$565,000	2012
Level I	168	2015	II	$175,000	2018

PROJECT INFORMATION:
As part of the ongoing LeClair Irrigation District Master Plan Study, the Sand Gate Diversion structure was analyzed in advance of the rest of the study to allow the project sponsor to apply for Level III funding in the fall of 2015 for its replacement. 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. In order to prevent any future system failures due to the compromised nature of this structure the LeClair Irrigation District is requesting a Level III appropriation of $760,000 to replace the Sand Gate Diversion.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to Level III status in the Rehabilitation Program with an appropriation of $760,000. The financing plan includes a 67% grant of $509,200 and a 33% loan of $250,800 at 4% for 25 years.

114. PROJECT: Leiter Ditch Rehabilitation 2016

LEVEL: New Application (Level III)
SPONSOR: Lower Clear Creek Irrigation District
LOCATION: Johnson and Sheridan Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	II	$100,000	2017

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $1,310,000.

115. PROJECT: Little Snake Diversions

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	68	2010	II	$ 990,000*	2015
Level III	14	2012	II	$1,323,500*	2017

*67% grant, 33% loan

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 construction work is completed and WWDO is awaiting the final closeout documentation to conclude the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

116. PROJECT: Little Snake Rehabilitation 2011

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
In 2009 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. The first project under this appropriation was awarded in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

117. 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 AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	33	2008	III	$ 250,000	2010
Level II	32	2010	III	$ 300,000	2012
Level II	66	2013	III	$ 7,000,000	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 potential "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 appropriated 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 collected and analyzed, and water quality modeling is being updated with the latest sampling information to determine the effects of copper on the reservoir and downstream waterways. Furthermore, potential measures to reduce or eliminate copper upstream of the reservoir have been identified. Assuming mitigation measures can be implemented to address copper or that copper does not present an issue to a newly constructed reservoir; further discussions with Wyoming DEQ and affected landowners will be pursued, followed by permitting and final design.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

118. PROJECT: Little Wind River Storage Study

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

EXISTING AND PRIOR LEGISLATION:

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

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 (SEH) 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 is analyzing irrigation water shortages and water availability to store under a present day water right as well as alternatives for constructing new or enlarging existing dams and reservoirs to offset documented irrigation shortages. Constructing new, or enlarging existing storage, will

require issuance of a permit to appropriate water from the Wyoming State Engineer's Office and must take into consideration the implications related to the Big Horn General Adjudication.

Approximately 70 potential storage sites, identified through previous study, and additional sites identified through the current study, are being screened based on a variety of criteria, including water availability and ability to supply documented shortages, technical engineering feasibility, and environmental impacts, amongst others. The screening will allow for a shortlist of top sites to be identified. Data for the shortlisted sites will be refined and further evaluated in an effort to identify the Least Environmentally Damaging Practicable Alternative (LEDPA). Once a preferred site is identified, a Level II, Phase II study can be pursued to collect site specific data through field work such as geotechnical drilling, wetland delineations and cultural resource surveys. The final report for the current phase of study is expected in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

119. PROJECT: Lovell Canal Rehabilitation 2014

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$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 provided documentation demonstrating that it would seek bank loans to finance its share of project expenses, should annual budget savings prove inadequate to complete the construction.

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. This project was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is necessary.

120. PROJECT: Lovell Irrigation District Master Plan

LEVEL: New Application (Level I)
SPONSOR: Lovell Irrigation District
LOCATION: Big Horn
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	52	1984	I	$ 80,000	1985
Level III	116	1985	II	$ 820,000	1986
Level II	125	2003	I	$ 60,000	2004
Level III	38	2009	II	$ 432,000	2014
Level III	14	2012	II	$ 565,000	2017
Level III	100	2014	II	$ 889,000	2019

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

The Lovell Irrigation District is requesting funding for a Level I Master Plan Study to inventory and assess their transmission system, investigate conveyance losses, and identify and prioritize capital improvement projects for financial planning. The District would like the study to include an investigation of the siphons on the system for water loss, an assessment of sediment and vegetation issues on the three mile Moncur Lateral, and an understanding of the finances that are needed to address long term maintenance of the system. Cost estimates will be produced to include both a total and phased approach to construction and replacement according to a recommended rehabilitation schedule. Identification of funding assistance and an analysis of the ability to pay for the improvements to the system will be included as part of the study. This will allow the District to plan and budget properly for future repair and replacement costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level I status with an appropriation of $165,000.

121. PROJECT: Lovell Tank/Zone 2 Improvements

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$ 110,000	2014
Level III	23	2015	I	$2,401,950*	2020

*67% Grant

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

In 2015, the Sponsor received a 67% grant funding appropriation from the New Development program in the amount of $2,401,950. The Sponsor secured the services of an engineer and initiated the design process. During the initial design process, tank locations previously identified were no longer available for the project. The Sponsor and engineer determined that placing the tank on Sponsor owned property

would be the ideal the solution. This new tank location is further way than the original sight and will add additional costs to the project. The additional costs are for the pipe necessary to make the project function in its intended manner.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III appropriation in the New Development Program by $298,150, from $2,401,950 to $2,700,100. The financing plan will remain the same with a 67% grant and the Sponsor is responsible for the remaining 33% project costs.

122. PROJECT: Lovell Transmission Pipeline

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

EXISTING AND PRIOR 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 made very good progress during 2014 and was able to complete the project in mid-2015.

The Contractor, Town, Engineer, WYDOT and WWDC have all worked diligently to build a beneficial project for the Town.

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

123. 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 AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation[1]	Due Date[2]
Level I	26	2012	I	$36,000	2016

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

PROJECT INFORMATION:
The Wyoming Game and Fish Department (WGFD) identified three stream reaches within the 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. A draft of this report has been issued in November, 2015 and is currently under review. The project remains on budget with the final report expected to be issued in January, 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

124. PROJECT: Lower Clear Creek ID-Leiter Ditch Rehabilitation Study

LEVEL: II
SPONSOR: Lower Clear Creek Irrigation District
LOCATION: Johnson and Sheridan Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	II	$100,000	2017

PROJECT INFORMATION:
The Leiter Ditch is a primary permitted conveyance facility that delivers water from a diversion structure on Piney Creek to the District's storage accounts in Lake DeSmet. The existing ditch and structures cannot safely convey more than approximately 50 cfs of the District's 500 cfs diversion right. The Clear Creek Watershed Study completed in 2011 identified several issues with the ditch and its need for rehabilitation. But the District needed this study to more specifically evaluate costs, benefits, alternatives, and develop preliminary rehabilitation designs for the ditch. Sufficient information was need to support a request for Level III construction funding.

The final report for this study was issued in September, 2015, and the project was completed on schedule and on budget. The sponsor is currently pursuing Level III funding for canal rehabilitation based on the study's recommendations.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

125. PROJECT: Lower Nowood Rural Water Supply

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

EXISTING AND PRIOR LEGISLATION:

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

*67% Grant

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 recommendations to pursue a Level II Study.

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

In 2015, the Sponsor received a 67% grant funding appropriation from the New Development program in the amount of $1,423,750. The Wyoming Legislature also required that the Director of the Water Development Commission review and approve the water service agreements between the Sponsor, South Circle Improvement and Service Districts and the Town of Ten Sleep. Unfortunately, an acceptable water service agreement was not attainable between the Sponsor and the Town of Ten Sleep.

The WWDC is recommending the Sponsor pursue drilling a well in lieu of water supply connection to the Town of Sleep.

RECOMMENDED LEGISLATIVE ACTION
The WWDC recommends increasing the Level III appropriation in the New Development Program by $273,150, from $1,423,750 to $1,696,900. The financing plan will remain the same with a 67% grant and the Sponsor responsible for 33% of the project costs.

126. PROJECT: Lusk Water Supply Study

LEVEL: New Application (Level II)
SPONSOR: Town of Lusk
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$ 200,000	2016

PROJECT INFORMATION:
The Town of Lusk is located in east-central Wyoming in Niobrara County. The Town of Lusk public water system serves the town and immediate adjacent area, including the Wyoming Women's Center. The system is supplied with groundwater from four existing production wells completed into the Arikaree Formation. The total combined yield of the four (4) wells is approximately 1,800 gallons per minute (gpm). The town's system includes three (3) storage tanks with a total combined capacity of 1,061,000 gallons. The Town system supplies a population of approximately 1,560 through 771 taps.

A Level II water supply/quality feasibility study is requested by the Town of Lusk to address the September 2014 U.S. EPA Notice Of Violation (NOV) and Administrative Order (AO) for all four of the Town's wells, which have all exceeded the MCL for adjusted gross alpha on occasion. The September 2014 EPA NOV/AO directs the town to develop and submit a plan to resolve the violations. The water quality issues are complex and the options may include operational or management changes, sampling protocols, developing an additional well or wells for blending, or construction of a treatment facility to remove enough contaminant to bring the water actually delivered to end users into compliance with Maximum Contaminant Levels. If the project is approved, the Town intends to work with the WWDO to select a qualified engineering firm with expertise in radionuclide water quality issues to develop the compliance plan required by the EPA.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level II status, with an appropriation of $175,000.

127. PROJECT: Manderson Water Master Plan

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	UNK	1992	I	$350,000	1995

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

The Town of Manderson does not have a formal plan in place for its water distribution system, nor does it have accurate location mapping of system components in computerized format. This master plan is requested to inventory and evaluate the current condition of the town's system. The study will identify the parts of the existing water system that are deficient and provide a schedule for improvements. It will also identify system needs and a plan to accommodate future growth. The 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. Hydraulic modelling and a rate analysis are needed. A master plan will provide the sponsor with the tools and guidance needed to assist in planning, rehabilitation, upgrading, and management of its system.

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

128. PROJECT: Manville Well Connection

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2010	I	$450,000	2013
Level III	100	2014	I	$490,000*	2019

*67% grant, 33% loan

PROJECT INFORMATION:
The U.S. Environmental Protection Agency (EPA) has issued an administrative order to the Town of Manville as its water supply is exceeding the uranium maximum contaminant level (MCL). 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.

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.

In 2014, the WWDC recommended the project be incorporated into the New Development program at Level III with an appropriation of $490,000. WWDC financing will be 67% grant and 33% loan. The project is under design.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

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

EXISTING AND PRIOR 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.

In light of these issues, the District requested a master plan level analysis of their system in 2014. The master plan study also included a conceptual level design and cost estimate for a connection to the Gillette Regional Water Supply System. The master plan study was completed in the summer of 2015.

For more information on the Gillette Regional Water Supply Project please refer to the Gillette Regional Extensions project.

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

130. PROJECT: Medicine Bow River Watershed Study

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$375,000	2017

PROJECT INFORMATION:
The Medicine Bow Watershed Study evaluates water storage opportunities, current watershed function, and a geomorphic classification for the Medicine Bow and its tributaries. This information provides 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 included.

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 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 was completed in December of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

131. PROJECT: Medicine Bow Transmission Pipeline

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

EXISTING AND PRIOR 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 was able to make good progress during 2014 and completed the project in-early 2015.

The Contractor, Town, Engineer, SRF and WWDC have all worked together to build a beneficial project for the Town.

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

132. PROJECT: Meeks Cabin Dam Enlargement

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

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:

During the 2013 General Session, $350,000 was appropriated for a Level I Watershed Study sponsored by the Uinta County Conservation District. The study provided a detailed evaluation of the watershed and incorporated available technical information describing conditions and assessments of the watershed. The project consisted of field investigations, development of a Geographic Information System (GIS), development of a prioritized list of potential water development and system rehabilitation projects, preliminary cost estimates, permitting requirements and funding opportunities. In addition, the study identified reservoir enlargements as the most feasible means of providing reliable sources of late season irrigation water to area users. Specifically, the study recommended the Bridger Valley Water Conservancy District (District) sponsor a Level II study to further investigate the feasibility of enlarging Meeks Cabin Reservoir.

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

Approximately $300,000 of the 2015 appropriation is being 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 is a broad-based approach to determine if any fatal flaws would halt the progress of an enlargement to the dam. The project is underway and progressing according to schedule.

If the Level II feasibility analysis supports the concept of enlargement, the remaining 2015 appropriation would allow the WWDO to seek technical assistance from Reclamation to further consider enlarging the facility. The technical assistance with Reclamation would likely be conducted under a Technical Service 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:

No legislative action is required.

133. PROJECT: Meeteetse Master Plan

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 125,000	2017

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 study commenced in June 2014 and the final report was completed in August 2015. The August 2015 Level I study identified deficient components of the existing water system and provided a schedule for improvements. This Level I study also identified system needs and developed a plan to accommodate the future growth of the Town.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

134. PROJECT: Meeteetse Tank/SCADA/Retrofit

LEVEL: New Application (Level III)
SPONSOR: Town of Meeteetse
LOCATION: Park County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 125,000	2017

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status, with an appropriation of $93,800.

135. PROJECT: Melody Ranch Water Supply Study

LEVEL: New Application (Level I)
SPONSOR: Melody Ranch Improvement and Service District
LOCATION: Teton County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
The Melody Ranch Improvement and Service District is located in Teton County and lies within the Snake River Basin. The District's public water system serves the population of 900 people through 387 taps.

Groundwater is supplied to the District through two wells (400 gpm each). The wells are constructed to approximately 100 feet in depth into the Quaternary-age, Snake River alluvial gravel deposits. The system has a 300,000-gallon, reinforced concrete storage tank for treated water.

A water supply/master plan study is requested by the District to evaluate the current condition of their water system and to determine the ability of the water system to operate with increasing demands and to identify options for increasing system efficiencies. The Level I study will also conduct a hydrogeologic investigation to select a well location, develop a well design and conceptual designs/cost estimates for a new Level III water supply well to supplement the existing water system.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level I status, with an appropriation of $180,000.

136. PROJECT: Middle North Platte-Glendo Watershed Study

LEVEL: I
SPONSOR: Converse County Conservation District
LOCATION: Converse County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

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. At this time the project is on time and budget with a final report due in November of 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

137. PROJECT: Middle Piney Reservoir

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	III	$ 200,000	2016
Level II	66	2009	III	$ 500,000	2016
Level II	74	2014	III	$ 300,000	2016
Level II	168	2015	III	$ 150,000	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 seven 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.

To facilitate a timely NEPA 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 Water Account III at Level II, Phase III. Since that time, MOUs and agreements between the WWDC and USFS have been finalized to clarify NEPA roles and requirements. 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 through USFS coordination meetings and in an attempt to prevent project delay, WWDO requested and received additional funds during the 2015 General Session for the project should the environmental review become more rigorous than originally understood.

The Third-party Contractor has been agreed upon by both the WWDC and USFS. The NEPA process has been kicked off with advertisement of the public notice and the initiation of the public scoping comment period. The NEPA process is anticipated to be complete in summer of 2016, with final design to follow. Assuming a favorable record of decision results, and Level III funding can be secured from WWDC Dam and Reservoir Water Account III during the 2017 General Session, construction may begin in 2017.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

138. PROJECT: Midvale Bull Lake Rehabilitation 2015

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
The United States Bureau of Reclamation is in the process of replacing the emergency spillway at Bull Lake Dam. The USBR is in control of the design, construction, financing, and schedule for this project. The sponsor's involvement consists of repaying its 15% share of costs to the USBR. The sponsor will initially have a loan from USBR with 0% interest and a 50 year term. This request is to pay down 67% of the loan with a WWDC grant of $2,653,200. The project is currently on hold, awaiting completion of the Level II study addressing raising the face of the dam.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

139. PROJECT: Midvale Irrigation District Hydropower Study

LEVEL: II
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	I	$150,000	2017

PROJECT INFORMATION:
The Midvale Irrigation District requested a Level II study to 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 site assessment analysis has been completed, the findings of which have been presented to the sponsor. The project is now entering the feasibility stage where preferred alternative sites are being analyzed further and moved through a design phase including cost estimates. The project is scheduled for completion in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

140. PROJECT: Midvale Rehabilitation 2013

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	125	2003	II	$300,000	2007
Level II	34	2004	II	$ 75,000	2007
Level III	141	2013	II	$317,400*	2018
Level III	23	2015	II	$381,000**	2018

*This appropriation is replaced by the 2015 appropriation.
**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 constructed the concrete check structure at the top end of this project during the 2014-2015 winter. Construction of the pipe drop and stilling basin, scheduled for the winter of 2015-2016, is underway. This project should be completed in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

141. PROJECT: Midvale Sand Butte 2 Lateral

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	125	2003	II	$300,000	2007
Level II	34	2004	II	$ 75,000	2007

PROJECT INFORMATION:
The Level II study completed in 2007 ranked the Sand Butte 2 Lateral fourth on the list of potential pipeline conversions. The existing concrete lining is in poor to failing condition and has been repaired several times with little long term success. Seepage in this area is considerable. The Midvale Sand Butte 2 Lateral Project will replace the old damaged concrete-lined ditch with buried pipe. The proposed 100% grant financing from WWDC will be used to purchase invoiced materials. The sponsor will pay for the land rights and permits, and provide the engineering, labor, equipment, and other resources necessary for design and construction of the project.

Construction is likely during the winter of 2016-2017 with the project being completed prior to the 2017 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Midvale Sand Butte 2 Lateral Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $770,000. 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.

142. PROJECT: Moorcroft Master Plan

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$ 135,000	2017

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 Level I study commenced in June 2014 and the Level I final report was completed in September 2015. The study evaluated the existing condition of the Town's water system. The study also identified system needs, provided a schedule for system improvements, and developed a plan to accommodate the future growth of the Town.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

143. PROJECT: Mountain View Acres Connection

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$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 Level III funding request was based on recommendations from the 2008, Riverton and Mountain View Acres Level II Study.

The District has concerns with the long-term outlook of its two water wells used for supply. The City of Riverton has a Westside Transmission line project that borders the District. The construction of the Westside Transmission line provides the District an opportunity to connect to the City of Riverton's water supply.

The new connection 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 a water sales agreement with 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 can proceed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

144. PROJECT: New Fork Lake Dam Enlargement

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	168	2015	III	$ 300,000	2018

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. If the need can be substantiated, an enlargement of New Fork Lake could potentially supply the additional storage. An enlargement may also address the aging dam infrastructure. Past studies that have looked at opportunities to increase storage in the Upper Green River Basin have focused mainly on the west side of the basin. This project will investigate the opportunity for increased storage in a portion of the basin lacking much previous study.

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, in a list of 75 potential sites, identified New Fork Lake Dam for a potential enlargement of up to 46,070 acre-feet.

During the 2015 General Session, $300,000 was appropriated for a Level II Feasibility study sponsored by the District. Project tasks include hydrologic modeling, conservation and screening, alternatives analysis, environmental analysis, preliminary geotechnical analysis, and economics. The study is a broad-based approach to determine the magnitude of irrigation shortages, if the enlargement of New Fork Lake would be considered the least environmental damaging practicable alternative under 404 permitting requirements, and if so, to identify any fatal flaws that could halt the progress of an enlargement to the dam. The project is underway and progressing according to schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

145. PROJECT: New Fork River Watershed Study

LEVEL: I
SPONSOR: Sublette County Conservation District
LOCATION: Sublette County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
The Sublette County Conservation District have requested a Level I watershed study to evaluate current watershed function, irrigation diversion/conveyance systems, and upland livestock/wildlife water management and rehabilitation opportunities. Surface water storage including enlargement and/or rehabilitation of existing water storage facilities, current condition of wetlands and riparian areas within the drainage, and geomorphic classification are also of interest. This information would provide baseline information and identify projects from which the District can pursue implementation of management practices that address the natural resource opportunities within the drainage and provide eligibility to Small Water Project Program funding.

The New Fork River Watershed, located entirely within Sublette County, covers approximately 1,230,000 acres. The watershed includes the primary stream system of the New Fork River and numerous tributaries including, Willow Creek, Pine Creek, Pole Creek, Boulder Creek, and East Fork River.

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.

146. PROJECT: Newcastle 2015

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	I	$ 616,400*	2020

*67% grant

PROJECT INFORMATION:
The City's current wells are barely keeping up with the current demands. The improvements to Well #3 will allow the City to meet current and future demands. The City has issues controlling pressure within the 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.

This project is currently in the design phase (50%), the project is anticipated to go to construction sometime next summer

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

147. PROJECT: Newcastle Madison Well

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

EXISTING AND PRIOR 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
Level II	168	2015	I	$1,450,000	2018

PROJECT INFORMATION:
In 2014, Newcastle requested funding for the drilling of a new Madison aquifer production well. An additional well 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. As part of the project, a Level II test well will be drilled to an approximate depth of 3,000 feet. The project will also assist, in the supply side, with continued regionalization in the greater Newcastle area. As of late 2015, Level II efforts included well siting, permitting, and environmental clearances.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

148. PROJECT: North Fork Shoshone Water Supply

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$150,000	2017

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 Legislative Select Water Committee but it was later amended into the Omnibus Water Planning Bill during the legislative session. After receiving legislative approval for the study many area residents who opposed the study began a petition drive. At the scoping meeting there were roughly 200 residents in attendance to express their support or 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 Office was directed to develop a questionnaire that would 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, the Commission recommended that the project be closed, a final summary of completed work be turned in by the Consultant, and the remaining $113,036.38 in the contract be reverted in the 2015 legislative session. The summary was received by the Office and the project has since been closed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

149. PROJECT: Northwest Rural Northern Expansion

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III-I	14	2012	I	$ 281,400*	2017
Level III-II	141	2013	I	$3,690,025**	2018

*67% grant. This appropriation is replaced by the 2013 appropriation.
**67% grant

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 completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

150. PROJECT: Northwest Rural Water Master Plan

LEVEL: I
SPONSOR: Northwest Rural Water District
LOCATION: Big Horn and Park Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	UNK	1991	I	$10,000,000	1996
Level III	UNK	1995	I	$ 850,000	2000
Level III	UNK	1997	I	$ 560,000	2002
Level III	69	2003	I	$ 1,120,000	2008
Level III	105	2006	I	$ 2,960,000	2010
Level III	14	2012	I	$ 281,400	2017
Level III	141	2013	I	$ 3,690,025	2018

PROJECT INFORMATION:
Northwest Rural Water District (NRWD) contains nine service areas encompassing 162 square miles. Service areas are situated in a corridor that starts south of the Buffalo Bill Reservoir near Cody, continues northeast along the Powell Highway (Hwy 14A), and extends to areas near the towns of Lovell, Deaver, and Frannie. NRWD (District) receives its treated drinking water supply from the Shoshone Municipal Pipeline (SMP). NRWD has six connection points to SMP that serve eight of the nine District's service areas. Users in the other service area (Frannie/Deaver) are either connected directly to SMP or by NRWD transmission lines with master meter pits installed at the user's property. Water consumers on the system primarily consist of residential users; however, there are some users classified as commercial. Currently there are 32 water storage tanks in the District's system and 12 connection buildings. Six of these buildings are pump stations; a total of 12 pumps are in use. NRWD owns all of the tanks, buildings, and pumps within its service areas. Connection buildings house the taps to SMP, and then NRWD transmission pipelines convey the water to the tanks. Essentially, everything downstream of the actual tap off of SMP's line is owned by the District.

The District's water system is 22-years old and has never had a water master plan developed. This Level I study would 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 assess potential fire flows; help identify improvements needed to accommodate future growth; ascertain service limits (number of taps) in each of the nine service areas; identify, prioritize, and prepare conceptual-level designs and cost estimates for needed capital improvement projects along with a corresponding schedule; and, review the sponsor's water rate schedule 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 $230,000.

151. PROJECT: Nowood River Storage-Alkali Creek

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	III	$ 300,000	2010
Level II	32	2010	III	$ 250,000	2016
Level II	57	2012	III	$ 350,000	2016
Level II	74	2014	III	$ 225,000	2016
Level II	168	2015	III	$ 4,000,000	2018

PROJECT INFORMATION:

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

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

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

The recommendation stemming from the Level II, Phase II Storage Feasibility Study was 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 8,000 acre-feet, of which 6,000 acre-feet will serve as a supplemental irrigation supply, leaving a 2,000 acre-foot minimum pool for habitat, fishing and recreational use. 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 formed the Nowood River Watershed Improvement District. Level II, Phase III funding to begin permitting and final design of the Alkali Creek Reservoir alternative was requested and received during the 2015 General Session. A Right-of-Way (ROW) application is being submitted to the Bureau of Land Management (BLM), the lead federal agency having jurisdiction over the project. MOUs are currently being drafted by the BLM, in coordination with the WWDO, to clarify NEPA roles and requirements, as well as to define the Third-party Contractor selection process. An Environmental Impact Statement (EIS) is expected to be required to disclose the effects of the proposed project. The NEPA process is anticipated to begin, in earnest, in 2016.

It should be noted that due to geography, a single storage project cannot alleviate all shortages within the Nowood River Watershed and that other storage alternatives may need to be advanced in the future to address these shortages. With this in mind, the additional opportunity of enlarging Meadowlark Lake is also being pursued.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

152. PROJECT: Nowood River Storage-Meadowlark Lake

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	III	$ 300,000	2010
Level II	32	2010	III	$ 250,000	2016
Level II	57	2012	III	$ 350,000	2016
Level II	74	2014	III	$ 225,000	2016
Level II	168	2015	III	$ 300,000	2018

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

During the 2010 Budget Session, the Nowood River Steering Committee, formed prior to the commencement of the Level I study, requested and received funding for a Level II Storage Feasibility

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

153. PROJECT: Opal Master Plan

LEVEL: I
SPONSOR: Town of Opal
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	36	2000	I	$ 30,000	Complete
Level II	86	2001	I	$ 90,000	Complete
Level I	168	2015	I	$100,000	2018

PROJECT INFORMATION

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 meets that requirement and fulfills the SLIB director's recommendation.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action required.

154. PROJECT: Owl Creek Water Supply

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

EXISTING AND PRIOR 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 end**s** 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 was 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 has completed the Owl Creek Water Supply project.

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

155. **PROJECT:** **Owl Creek Watershed Study**
LEVEL: New Application (Level I)
SPONSOR: Hot Springs Conservation District
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

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

The District is interested in enhancing watershed processes and repairing/developing water supplies, irrigation conveyance systems, and upland livestock/wildlife sources. Understanding the condition of the rangeland, wetlands, and riparian areas within the drainage will help with erosion and water quality issues on bacteria listed Owl Creek. Water projects that can be packaged into an overall rehabilitation plan for the watershed is of interest to the Conservation District and its partners. This information will provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage.

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

156. **PROJECT:** **Pavillion East Water Supply**
LEVEL: III
SPONSOR: State of Wyoming
LOCATION: Fremont County
PROGRAM: New Development

EXISTING AND PRIOR 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 residents in the 23 square mile area signed an access agreement that allows 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 cistern systems; 18 Phase I and 13 Phase II cistern systems). The 13 Phase II cistern systems were constructed from December 2014 to February 2015. The cost per cistern system installation was approximately $25,000 each.

The total appropriation for this project is $1,050,000 and the design-builder total contract amount is $929,268.00, as of the signing of Amendment No. 5 (January 8, 2015). As of December 2015, the project is currently within the one-year warranty period for the 13 Phase II cisterns. The one-year warranty period terminates on February 3, 2016. The final amendment for the Level III contract is anticipated to be signed before June 30, 2016. The total construction project cost is $929,268.00.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

157. PROJECT: Pavillion Water System Improvements

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

EXISTING AND PRIOR 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 the design is complete. The project was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

158. PROJECT: Pine Bluffs North Well Field

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

EXISTING AND PRIOR 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 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 purchased the wells, necessary land, and water rights to allow the construction and operation of an improved water supply system that provides source redundancy and meets long term quantity and quality needs. The town is currently working to transfer the water rights and drill a new well.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

159. PROJECT: Pine Haven Well and Tank

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
The Town of Pine Haven water system supply currently consists of two groundwater wells completed into the Madison Formation and the current storage system does not provide adequate pressure to all points of delivery within the water system. The new well and upgraded system is intended to improve water pressures and fire protection, depending on existing pipeline capacities, and the expanded storage component will provide service to a larger population. This project is currently seeking additional funding for the sponsor's 33% match.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

160. PROJECT: Pinedale Hydropower Study

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	74	2014	I	$125,000	2017

PROJECT INFORMATION:
This Level II feasibility study updated the previous Pinedale hydropower study and included several new alternatives. Several sites were studied but only one was determined to be feasible. However, that site, if built, would not generate much power; rather, it would be used for educational purposes and demonstrations. The Level II feasibility study was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

161. PROJECT: Piney & Cruse Canal Piping

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant, 33% loan

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 2016.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

162. PROJECT: Piney Cruse Diversion

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

EXISTING AND PRIOR 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 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 again into the District's irrigation delivery system. The District requested a Level II Feasibility Study of the South Piney diversion and conveyance system to determine rehabilitation or replacement alternatives and cost estimates.

After completion of the draft report in July of 2015, the District decided to pursue an alternative that they had previously ruled out, to join their ditch with the Prairie Dog water supply company ditch. This would allow the two entities to share one diversion out of North Piney Creek. This option was discussed early on and not pursued because the District and the Water Supply Company were unable to come to an agreement on how to share the facilities. After the release of the draft report a new agreement was reached to share Prairie Dog's Diversion. The study's consultant is now completing all of the necessary design, surveying, and report revisions so that the final product can reflect this new supply option. The final report will be completed in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

LEVEL: II
SPONSOR: Goshen County Board of County Commissioners
LOCATION: Platte, Goshen County WY; Scotts Bluff, Morrill County, NE
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	125	2003	I	$150,000	Complete

PROJECT INFORMATION

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

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

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

The total project budget of $400,000 is recommended to be a 50/50 match between the State of Wyoming and State of Nebraska interests.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends that the project be incorporated into the New Development Program at Level II status with an appropriation of $200,000.

164. PROJECT: Platte River Basin Plan Update

LEVEL: I
SPONSOR: WWDC
LOCATION: Platte River Basin: Portions of Carbon, Albany, Fremont, Natrona, Converse, Platte, Goshen, and Laramie Counties.
PROGRAM: New Development

EXISTING AND PRIOR 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	2017

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.

The ten year anniversary of the 2006 Platte River Basin Plan is rapidly approaching. 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. The project's estimated completion date is June 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

165. PROJECT: Powder/Tongue Northeast Groundwater Analysis

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

EXISTING AND PRIOR LEGISLATION:

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

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

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

This study will identify the aquifers present, extent of the aquifers, recharge areas and recharge rates, water quantity and quality, and safe yields. This will be an important tool considering the key role groundwater could play in future development within the basin. The final report is expected in 2018.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

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

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:
In 1999, the Legislature initiated the Statewide Water Planning Process with its appropriation to fund the Bear and Green River basin plans. Those plans were completed in January 2001. The 2000 Legislature appropriated funding for the Powder/Tongue River Basin and the Northeast River Basin plans, which were completed in 2002. The next basin plans undertaken were the Wind/Bighorn and the Snake/Salt

River basins, which were completed in 2003. The Platte River Basin Plan was completed in May of 2006, and marked the culmination of the first round of river basin plans. With this culmination, the Statewide Framework Plan was authorized in 2005 and completed in 2007.

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

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

Open houses were held to discuss topics related to water resources of the area including water use and availability, water rights, water quality and future water demand projections. Attendees were encouraged to ask questions and provide input on water related issues in these basins. These open house were held Sept. 14, 2015 in Sheridan, Sept. 15, 2015 in Newcastle, and Sept. 16, 2015 in Kaycee. The study will be completed in 2017.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

167. PROJECT: Riverton Valley Rehabilitation 2013

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

EXISTING AND PRIOR LEGISLATION:

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

*Materials only
**Project description modified

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

This project consists of replacing two ditch segments, the Pig-Pen Lateral and the Riverbend Lateral with buried pipe. These laterals were not included in the 2002 Level II Master Plan. The Pig-Pen Lateral, due to previous easement issues with landowners and the Riverbend Lateral, became part of the Irrigation District in August 2010 after the Master Plan was completed. The piped laterals will better facilitate control of the water and reduce losses to seepage and evaporation. The total length of the lateral segments to be piped is approximately 4,260 feet.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

168. PROJECT: Riverton Valley Rehabilitation 2014

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$ 40,000	2002
Level III	100	2014	II	$136,680	2019

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. No work has been completed on the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

169. PROJECT: Riverton Water Supply

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

EXISTING AND PRIOR LEGISLATION:

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

* 67% grant, 10% loan, 23% sponsor
**Time extension only

PROJECT INFORMATION:
The City of Riverton identified a need for expanded capacity on the east side of town and additional piping on the west side of town. In 2007, the WWDC drilled a Level II test well to increase the groundwater supply. The Level II study, entitled Riverton-Mountain View Acres, also identified the need for increased storage and transmission pipelines.

The budget for the entire project is $9,856,000 of which the City is responsible for 23%. Due to funding constraints, the WWDC had to phase the funding for the project. The 2009 Legislature appropriated funding for the construction of a 2 million gallon storage tank and pipelines to connect the well and tank to the distribution system. The legislation also authorized the purchase of the Level II well. The 2010 Legislature provided the remaining funding for additional piping and valves. The sponsor has completed the design process for Phase I (JCC transmission pipeline) and construction was completed in late 2012. The design of phase II (tank) has been completed with construction beginning in the fall of 2012. The tank was completed in the fall of 2013. The completion of the pumping stations was delayed by problems in receiving materials but has been completed. Phase IV (valves and vaults) design and construction was completed. Phase V (pressure zone 4 transmission pipeline) design is nearly complete, but right-of-way issues have delayed the project. The project should be bid in early 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

170. PROJECT: Rock River Transmission Line Replacement

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

EXISTING AND PRIOR 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

*67% grant

PROJECT INFORMATION:
The Town of Rock River (Town) obtained the services of an engineering firm to conduct an independent study to evaluate the potential for a new raw water intake system. Based on the independent study, the Town requested funding to rehabilitate their existing water transmission system, including a new intake structure on Rock River, and replacement of approximately 2.7 miles of 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 is near completion and construction is expected to start in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

171. PROJECT: Rock River Water Master Plan

LEVEL: New Application (Level I)
SPONSOR: Town of Rock River
LOCATION: Albany County
PROGRAM: New Development

EXISTING AND PRIOR 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 is located in Albany County and the North Platte River Basin. The Town's water system serves a population of 245 through 180 taps. The Town is supplied with surface e water from Rock Creek, which is treated and passes downstream through a 12.7-mile transmission pipeline to the Town. The system includes a 500,000-gallon storage tank and uses about 36,000,000 gallons per year. A Level III construction project authorized in 2014 is replacing the water intake and approximately 2.7 miles of corroded, ductile iron, transmission pipeline.

A Level I master plan is now being requested to evaluate the Town of Rock River's 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.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends that the project be incorporated into the New Development Program at Level I status, with an appropriation of $150,000.

172. PROJECT: Rolling Hills Water Supply

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

EXISTING AND PRIOR 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
**67% grant

PROJECT INFORMATION:

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

The 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 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.

This project is scheduled for a January 2016 bid and is anticipated this project will be completed during 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

173. PROJECT: Savery Creek Diversions Phase II

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

EXISTING AND PRIOR LEGISLATION:

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 Level III project located in the lower main-stem of the Little Snake River Valley near Baggs, Wyoming that has been completed this year. Although it includes 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 Cobbs and Cobbs-Morgan diversions are nearly complete.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action recommended

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

LEVEL: III
SPONSOR: Savery – Little Snake River Water Conservancy District

LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	II	$871,000	2020

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. In 2015, the Legislature approved an appropriation of $871,000 in the form of a 67% grant. The remaining 33% will be funded by the Sponsor. Design has begun on the Raught Diversion.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action recommended

175. PROJECT: Shell Valley Storage-Leavitt Reservoir
LEVEL: II
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	III	$ 300,000	2010
Level II	32	2010	III	$ 250,000	2016
Level II	57	2012	III	$ 350,000	2016
Level II	66	2013	III	$ 150,000	2016
Level II	74	2014	III	$ 150,000	2016
Level II	168	2015	III	$ 4,500,000	2018

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 Level II, Phase II Storage Feasibility Study was 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 relocation, enlargement and modification of the present reservoir feeder ditch. The reservoir will have a total capacity of approximately 6,600 acre-feet, of which 5,100 acre-feet will serve as a supplemental irrigation supply, leaving a 1,500 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.

During the 2015 General Session, the Shell Valley Watershed Improvement District requested and received Level II, Phase III funding to begin permitting and final design of the Upper Leavitt Reservoir alternative. A Right-of-Way (ROW) application has been submitted and accepted by the Bureau of Land Management (BLM), the lead federal agency having jurisdiction over the project. MOUs are currently being drafted by the BLM, in coordination with the WWDO, to clarify NEPA roles and requirements, as well as to define the Third-party Contractor selection process. An Environmental Impact Statement (EIS) is expected to be required to disclose the effects of the proposed project. The NEPA process is anticipated to begin, in earnest, in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	166-4	1983	I	$625,000	Complete
Level III	228,113	1985 & 1986	I	$700,000	Complete
Level III	113-9	1986	I	$ 50,000	Complete

PROJECT INFORMATION
The Town of Shell (unincorporated) was involved in the WWDC Shell Valley Domestic Water Supply Project that was built in 1987 to serve drinking water to rural users in Shell Creek valley along the existing Town of Greybull municipal pipeline. The Greybull rural/municipal supply system is currently served by three Madison aquifer wells drilled with WWDC funding. Two separate water companies have supplied Shell residents for over 30 years. The systems have separate master tap/meters off the Town of Greybull's municipal pipeline. Both systems have recurrent issues of leaks and system failure. The desire of both entities is to update and combine the supply systems into a single current engineering standard. A Level I study is desired to determine the feasibility of joining and improving the systems such that a single system serves the town and is administered as such.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level I status with an appropriation of $85,000.

177. **PROJECT:** **Sheridan 4MG WTP Tank**
LEVEL: III
SPONSOR: City of Sheridan

LOCATION: Johnson County
PROGRAM: Rehabilitation

EXISTING AND PRIOR 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
Level III	23	2015	II	$2,144,000	2020

*67% Grant

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

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.

In 2015, the City received a grant funding appropriation from the Rehabilitation Program of $2,144,000 (67% grant) for the eligible WWDC costs.

During 2015, the Sponsor has selected an engineer, secured SRF funding and initiated the design process for the project. The project is anticipated to go to bid in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	141	2013	I	$1,566,460*	2018
Level III	100	2014	I	$ 148,000*	2018
Level III	23	2015	I	$2,211,000*	2020

*67% Grant

PROJECT INFORMATION:
The basis for the funding request was identified in the 2008 Level I Study – Final Report for the City of Buffalo – Sheridan Area Water System – Lake Desmet.

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.

In 2015, The City received a grant funding appropriation from the New Development Program of $2,211,000 (67% grant) for the eligible WWDC costs.

During 2015, the Sponsor selected an engineer, secured SRF funding and initiated the design process for the project. The project has made good progress and is anticipated to go to bid in-early 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

179. PROJECT: Sheridan North Loop Transmission Line

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	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 project made good progress during the 2014 construction season and reached final completion in-early 2015.

The Contractor, City, Engineer, and WWDC have worked together to build a beneficial project for the City.

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

180. 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 AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	66	2009	III	$ 350,000	2010
Level II	57	2012	III	$ 250,000	2014
Level II	23	2015	III	$ 5,628,000	2020

The above legislation references appropriations from Water Account III that focus upon opportunities to construct or acquire storage from existing mountain storage (located within the Big Goose drainage above Sheridan) for both the City of Sheridan and the Sheridan Area Water Supply Joint Powers Board. The Water Development Program has funded many more projects for both entities and for the regional municipal rural domestic water system, which serves both rural Sheridan County and the City of Sheridan.

PROJECT INFORMATION:
The City of Sheridan is interested in developing additional water supplies to meet demands due to ongoing growth and development. The completed Sheridan Supplemental Storage Level II, Phase II Study concluded that Sheridan (City) and the Sheridan Area Water Supply System Joint Powers Board should focus on purchasing ownership shares available in Park Reservoir rather than constructing new dam and reservoir facilities.

The Gillispie Draw Reservoir site, focus of the Sheridan Supplemental Storage Level II, Phase I Study, is located near Sheridan, Wyoming approximately ¼ mile from the Sheridan Water Treatment Plant. The opportunity exists to build new storage facilities within Gillispie draw sometime in the future. However, a federal nexus exists due to the presence of wetlands. This federal nexus would trigger review under the National Environmental Policy Act (NEPA) and require Clean Water Act Section 404 Permitting, which would undoubtedly suggest that existing dam and reservoir facilities should be acquired and utilized before constructing new facilities. Construction of the least environmentally damaging alternative is a federal goal during the NEPA/404 review when developing a "preferred alternative." Acquiring shares or acquiring existing reservoirs would undeniably be less environmentally damaging when compared with construction of a new reservoir.

The City is interested in developing storage of 2,000 acre-feet or more. Before concluding in a recommendation, the Level II, Phase II study included a facility assessment for both Sawmill and Park Reservoirs, permitting and environmental analyses, identification of improvements needed to use the reservoirs to supply water for municipal/rural domestic purposes, and legal issues involving potential transfers of Sawmill storage rights from agricultural use to municipal, rural domestic purposes. The study also addressed the need to acquire a Special Use Permit issued by the Forest Service for construction of an access road to access Sawmill Dam. Furthermore, the study included an economic analysis and estimate of fair market value for acquiring Park Reservoir shares and for purchase of Sawmill Reservoir.

The cost of a new reservoir, as outlined in the Level II studies, is approximately $9,064 per acre-foot of firm yield at the City's intake. This is significantly higher than the $6,246 per acre-foot of firm yield at the City's intake associated with acquiring existing Park Reservoir storage at the historical price ($4,200 per acre-foot at the reservoir). Recent surveys conducted by the consulting firm charged with completing the Level II, Phase II Study indicate that this historical price may secure a portion or perhaps all of the

targeted 2,000 acre-feet amount. In the event that not all of the targeted amount may be acquired, the appropriation and process would also constitute an argument or justification for constructing new storage.

During the 2015 General Session, the Sheridan Area Water Supply Joint Powers Board/City of Sheridan requested and received a grant of $5,628,000 from the WWDC Dam and Reservoir Water Account III to acquire up to 2,000 acre-feet of storage within Park Reservoir in the Big Goose drainage above the City of Sheridan, should it become available, on a willing seller, willing buyer basis. Agreements are now in place to allow for solicitation of such acquisitions. The Sponsors will provide 33% matching funds from the City of Sheridan and Sheridan Area Water Supply Long Term Water Supply Fund. The acquisition of the storage is necessary for the supply and utilization of water for municipal uses and it improves the function and sustainability of the Sponsors' regional municipal water supply system.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

181. PROJECT: Shoshone Irrigation District Rehabilitation 2013

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	II	$300,000	2008
Level III	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, 16T 16-19, and 16T 6-14 and Garland Canal Drop Structures #27 and #22 is complete. This project is complete.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

182. PROJECT: Shoshone Irrigation District Rehabilitation 2015

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

EXISTING AND PRIOR LEGISLATION:

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

*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 2015 Project consists of replacing two concrete drop structures on the Garland Canal, and replacing three ditch segments with buried pipe. Both drop structures need to be replaced. The piped laterals will better facilitate control of the water and reduce losses to seepage and evaporation. The total length of the lateral segments to be piped is approximately 7,140 feet, serving about 352 acres. Laterals 50F and 16T 14&15 were initially included as a part of the Shoshone Rehabilitation 2011 Project but were not built because project funding was short.

Construction of the Lateral 16T 14&15 pipeline and the Garland Canal Drop Structure #25 is underway and both should be completed prior to the 2016 irrigation season. The Lateral 50F pipeline and Garland Canal Drop Structure #23 are anticipated to be constructed in the winter of 2016-2017 with project completion in 2017.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

183. PROJECT: Shoshone Transmission Pipeline 2016

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

EXISTING AND PRIOR LEGISLATION:
None

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

The Sponsor is seeking grant funds from the New Development program in the amount of $2,227,500. This amount would be a 33% grant of the project eligible costs. The remaining project funds would be provided by the Sponsor and WYDOT.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be funded at Level III in the New Development program for the amount of $2,227,500.

184. PROJECT: Sidon Irrigation District Rehabilitation 2014

LEVEL: III
SPONSOR: Sidon Irrigation District
LOCATION: Park and Big Horn Counties
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$109,000*	2019

*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 six ditch segments with buried pipe, representing a total of about 8,200 feet of pipe. Construction of the major components is complete and the remaining work will be completed prior to the 2016 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is necessary.

185. PROJECT: Sidon Irrigation District Rehabilitation 2016

LEVEL: New Application (Level III)
SPONSOR: Sidon Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation

EXISTING AND PRIOR 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 the Hinckley lateral with pipe. The total pipe length is approximately 10,400 feet.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Legislature approve the project for Level III and appropriate $352,500 in a materials only grant for the project.

186. PROJECT: Small Water Development Projects

LEVEL: III
SPONSORS: Numerous
LOCATION: Statewide
PROGRAM: New Development and Rehabilitation

EXISTING AND PRIOR 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
Small Projects	23	2015	I	$500,000	2025

EXISTING AND PRIOR 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
Small Projects	23	2015	II	$400,000	2025

PROJECT INFORMATION:

Pursuant to W.S. 99-3-1903(k)(vii) and 99-3-1904(m)(vii), a small project is a project in which estimated construction or rehabilitation costs, permit procurement, construction engineering and project land procurement are one hundred thirty-five thousand dollars ($135,000.00) or less and where the maximum financial contribution from the WWDC is thirty-five thousand dollars ($35,000.00) or less.

Projects may include new development or rehabilitation of small reservoirs, pipelines, wells, windmills, springs, wetland developments, environmental (projects that provide for streambank stability, water quality improvements, and erosion protection), solar platforms, and irrigation facilities.

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

Project	Account	Year Approved	Expiration
Hazen Draw Project	I	2012	2016
Reservoir Irrigation Pipeline	I	2014	2016
Cottonwood Creek	I	2014	2016
BLM Sandhills	I	2014	2016
C. Weber Wetland	I	2014	2016
Dexter Peak Ranch Stock Reservoir	I	2014	2016
H & C Stock Water Well	I	2014	2016
H.B. Lee Irrigation Return Flow Wetland	I	2014	2016
Good Luck Well	I	2014	2016
Hog Eye Ranch Little Savery Creek New Pasture Pond	I	2014	2016
PH Livestock Fillmore Allotment Long Draw	I	2014	2016
PH Livestock Tipton Allotment Delaney Rim	I	2014	2016
Steve Adams Irrigation Return Flow Wetland	I	2014	2016
McClanahan Well and Pipeline	I	2014	2016
Shirley Ridge 1 Well and Pipeline	I	2014	2016
Stinking Water 1Well and Pipeline	I	2014	2016
Strohecker 1 Well and Pipeline	I	2014	2016
North Slope Spring	I	2014	2016
47 Ranch	I	2014	2016
Stinking Water 1 Stock Reservoir Wetland	II	2014	2016
Deep Hills Solar Conversion	II	2014	2016
Dutch Dan Spring	II	2014	2016
EOG Well	II	2014	2016
Fire Spring Rehabilitation	II	2014	2016
Purple Sage Stock Pond	I	2015	2017

Project	Account	Year Approved	Expiration
Muddy Mt. Well #2	I	2015	2017
Muddy Mt. Well #1	I	2015	2017
Jim Chant #1	I	2015	2017
Hog Eye Ranch Oxbow Wetlands	I	2015	2017
Evans Stock Ponds	I	2015	2017
Dunkley Oxbow Wetland	I	2015	2017
Battle Mt. Stock Ponds-Ladder Livestock	I	2015	2017
Battle Mt. Stock Ponds-Kaisler	I	2015	2017
Coyote Draw Pipeline & Tank	I	2015	2017
Graham Reservoir Enhancement	I	2015	2017
West Dad Wetland	I	2015	2017
Weber Stock Water Pipeline	I	2015	2017
State Line Canal-Steve Adams	I	2015	2017
Purple Sage Ranch Oxbow Wetlands	I	2015	2017
Kofford 001 Wildflower Spring Development	I	2015	2017
Kofford 002 Clifford Spring Development	I	2015	2017
Little Basin Spring, Pipeline & Tank	I	2015	2016
Rim Rock Wells, Solar Pumps and Tank	I	2015	2016
Thompson-Robinson West	I	2015	2017
Johnson Pipeline	I	2015	2017
212 East W 25-1	I	2015	2017
287 School W 21-1	I	2015	2017
Julian 001 State Section Pipeline	I	2015	2017
Carollo 001 Davis No. 2 Reservoir Enlargement	I	2015	2017
Walker 001 Pipeline	I	2015	2017
Waterhouse Canyon	I	2015	2017
Mayfield Cabin Spring	I	2015	2017
CR 002 Seep/Spring Hoof Print	I	2015	2017
CR 003 Bridger Well No. 13	I	2015	2017
Hoffman 001 Beaver Dam Creek Well	I	2015	2017
Cumberland Well #29 Pipeline	I	2015	2017
Cottonwood Bluff Ditch Piping	II	2015	2017
BLM Reservoirs Reconstruction and Pipe Installment	II	2015	2017
BLM Doty Mt. Allotment Water Development	II	2015	2017
Tip Top Pond Repair	II	2015	2017
State Line Ditch Turn Out #3 & Check Structure	II	2015	2017
State Line Ditch/Poison Basin Draw Headwall & Headgate	II	2015	2017
Nelson Ditch Headgate and Diversion Structure	II	2015	2017
Graham Reservoir Supply Ditch	II	2015	2017
Cottownwood Reservoir Rehabilitation	II	2015	2017
TB111	II	2015	2017
TB287	II	2015	2017
Ojinaga Spring Development	II	2015	2017
Cow Camp Spring	II	2015	2017
East Arkansas Pipeline Extensions and Point of Rocks	II	2015	2017

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that $750,000.00 be appropriated into the New Development Account I, and $300,000.00 be appropriated into the Rehabilitation Account II.

187. PROJECT: South Big Horn County Pipeline

LEVEL: New Application (Level III)
SPONSOR: South Big Horn County Rural Water District (SBHCRWD)
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING AND PRIOR 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	2017

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends this project be incorporated into the New Development Program at Level III status with a 67% grant appropriation of $3,557,700.

188. PROJECT: South Big Horn County Rural Water District Expansion

LEVEL: II
SPONSOR: South Big Horn County Rural Water District (SBHCRWD)
LOCATION: Big Horn County
PROGRAM: New Development

EXISTING AND PRIOR 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	2017

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

the Greybull River corridor. The WWDC just completed a Level II feasibility study to include a conceptual plan, cost estimates and financing options. The study also conducted a feasibility analysis of 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 required.

189. PROJECT: South Circle Estates Water Supply

LEVEL: III
SPONSOR: South Circle Estates Improvement and Service District
LOCATION: Washakie County
PROGRAM: New Development

EXISTING AND PRIOR 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.

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 tapped their transmission line off of the new transmission line to the Town of Ten Sleep. The Ten Sleep and South Circle projects were 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 has completed construction. However, the project engineer, contractor and the sponsor are still finalizing their final payments. The project will likely close-out in early 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

190. PROJECT: South Laramie Water Supply

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

EXISTING AND PRIOR 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. The WWDO is waiting for the City of Laramie to provide a letter indicating that the project is closed out and all engineering and construction invoices have been paid.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

191. PROJECT: South Platte River Watershed Study

LEVEL: New Application (Level I)
SPONSOR: Laramie County Conservation District
LOCATION: Laramie County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
The Laramie County Conservation District is requesting a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, geomorphic classification

of rivers and streams, and to provide hydro-geologically based recommendations for future groundwater resource utilization and recharge. This information would provide baseline data from which the District can pursue implementation of management practices that address the natural resource issues within the drainage.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level I Status with an appropriation of $395,000.

192. PROJECT: South Thermopolis Water Supply

LEVEL: III
SPONSOR: South Thermopolis Water & Sewer District
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING AND PRIOR 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
Level III	23	2015	I	$ 201,000*	2017

*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 led to the project requiring additional time. Additionally, the project needed supplemental funds to meet a rise in anticipated project materials and construction costs. During 2015, the project received an appropriation increase of $201,000 and the project reversion date was extended to July 1, 2017.

During 2013, 2014 and 2015 the project plans and specifications were prepared and the project went to bid in 2015. The project has been successfully bid and awarded. Construction on the project has been timely and on schedule. It is anticipated that the project will be completed in-early 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

193. PROJECT: South Worland Water Master Plan

LEVEL: New Application (Level I)
SPONSOR: South Worland Water Users Corporation
LOCATION: Washakie County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
The South Worland Water Users Corporation is requesting funding for a Level I water master plan study of their 43 year old water system. This domestic water system extends from Worland south to the airport. The area is made up of both subdivisions and unplatted developments in Washakie County in northcentral Wyoming. Meters and mechanical fittings that are beginning to fail need replacing, yet their emergency funds are diminishing.

The study would evaluate the current conditions of their water system and provide the tools and guidance needed to assist in the planning, rehabilitating, upgrading, and managing of their system. Specific needs include an assessment of major system features, a leak survey, testing of meters, and digital mapping. A Level I master plan study would identify the parts of the existing water system that are deficient and provide a prioritized schedule for improvements.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $90,000.

194. PROJECT: Sponsor's Contingency Funds-Account I

LEVEL: III
SPONSOR: Qualifying Level III Sponsors
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Sponsor's Contingency	105	2006	I	$ 2,000,000	2017
Sponsor's Contingency [1]	68, 14	2010, 2012	I	$ 0[1]	2017
Sponsor's Contingency [1]	14, 167	2012. 2015	I	$ 0[1]	2017

[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:
No legislative action is required.

195. PROJECT: Sponsor's Contingency Funds-Account II

LEVEL: III
SPONSOR: Qualifying Level III Sponsors
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Sponsor's Contingency	105	2006	II	$ 500,000	2017
Sponsor's Contingency	75	2008	II	$ 500,000	2017
Sponsor's Contingency [1]	68	2010	II	$ 0[1]	2017
Sponsor's Contingency	14	2012	II	$ 300,000	2017
Sponsor's Contingency	167	2015	II	$ 500,000	2017

[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:
No legislative action is required.

196. PROJECT: Squaw Creek Water Supply

LEVEL: III
SPONSOR: Squaw Creek Water District
LOCATION: Teton County
PROGRAM: New Development

EXISTING AND PRIOR 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
Level III	23	2015	I	$308,200**	2020

Ground Water Exploration Grants: 2004, 2005, 2007 – $125,472.75 Total
*Reverted July 1, 2010
**67% Grant

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

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

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

In August and September 2013, a test well was drilled on USFS land in the vicinity of Teton County Well No. 1 to determine aquifer properties of the Camp Davis Formation. In a dual completion of the well, pump testing of the till aquifer revealed unsustainable production properties and influence on the county well. The Camp Davis Formation proved to be a low producer based on its poorly sorted-texture and clay matrix composition. Unfortunately, this site was proven not feasible for the District's needs. In September of 2014, test drilling commenced in the Flat Creek alluvium across US HWY 89/191 on Wyoming Game & Fish Wildlife Habitat property, however the alluvial sands and gravels were found to be too shallow to complete a well.

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

In 2015, the Sponsor received a 67% grant in the New Development Program with an appropriation of $308,200. The Sponsor has selected an engineer and has initiated the Design process.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

197. PROJECT: State Line Canal Diversion

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	100	2014	II	$750,000*	2019

*67% grant, 33% loan

PROJECT INFORMATION:
The District requested funds in 2013 for the reconstruction of the State Line Canal Diversion structure on the Little Snake River. The Legislature awarded the District $750,000 for the project in the form of a 67% grant and a 33% loan. The District elected not to take the loan portion.
The District is supplying all engineering services for this project. At this time, the diversion structure is substantially complete. The project should wrap up in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

198. PROJECT: State Water Plan

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
State Plan	1	1996	N/A	N/A	1996
Aerial Photo	1	1996	I	$ 250,000	1998
State Plan	46	1997	I	$ 250,000	1998
Basin Plan	30	1998	I	$ 250,000	2000
State Water Plan	81	1999	I	$1,435,000	2001
State Water Plan	36	2000	I	$ 800,000	2002
State Water Plan	86	2001	I	$1,550,000	2003
State Water Plan	125	2003	I	$ 600,000	2006
Framework Water Plan	75	2005	I	$ 500,000	2007
State Water Plan	85	2007	I	$ 600,000	2008
Wind/Bighorn Basin	33	2008	I	$ 500,000	2010
Green River DSS	66	2009	I	$ 250,000	2010
Platte River Basin GW	66	2009	I	$ 250,000	2010
Rec/Env. Study	32	2010	I	$ 75,000	2012

Bear River Basin GW	32	2010	I	$ 175,000	2012
Snake/Salt Basin GW	1	2011	I	$ 250,000	2014
Platte Basin Update	74	2014	I	$ 350,000	2016
Powder/Tongue and Northeast Basin Update	168	2015	I	$ 375,000	2018
Powder/Tongue and Northeast GW	168	2015	I	$ 275,000	2018

PROJECT INFORMATION:
In 1996, the Wyoming Legislature directed the Wyoming Water Development Commission (WWDC) and the State Engineer's Office (SEO) to develop a proposal for updating the state's Framework Water Plan. WWDC and the SEO prepared and submitted a proposal for updating the 1973 Framework Water Plan and for establishing a state wide planning process to the Governor and the Select Water Committee in October of 1996. During the 1997 Legislative Session, $250,000 was appropriated from Water Development Account I enabling a feasibility study to determine the costs and methods of implementing a new water planning process. The study concluded that a plan for the seven major river basins should be developed, and that a water planning website should be developed to present the data.

During 1997 and 1998, the WWDC undertook a pilot study in the Bear River Basin to test data collection, information dissemination, and presentation methods. A coordination process was developed to present information on the Statewide Water Planning Process and to obtain input from interested parties. The group of citizens and officials assembled as part of the planning process was named the Basin Advisory Group. The Basin Advisory Group coordination process was implemented in each basin to gain input from individuals, private interest groups, and local, state, and federal agencies.

Following authorization by the 1999 Legislature, the WWDC formally established a River Basin Planning section to implement the Statewide Water Planning Process. The state was divided into seven major river basins for study: Bear, Green, Powder/Tongue, Northeast, Wind/Bighorn, Snake/Salt, and the Platte. The culmination of the seven basin planning efforts lead to the development of the Framework Water Plan which aggregates all of the information from each basin plan into one major document. Following the Framework Water Plan, the individual Basin Plans were targeted for updates. It is the intent of River Basin Planning to keep the basin plans updated so the data is current while remaining dynamic to include the study of new issues and gather/develop new pertinent data for the State. In addition to basin plans, there are other studies that were done as part of River Basin planning. These studies are developed where information is required and to focus on more specific issues that basin planning can help to identify and solve.

River Basin Plans are designed to collect large amounts of data and create data where needed. Examples of work products that were created are hydrologic models, irrigated lands mapping, population projections, and current water use and future water use for all categories of users.

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

Bear River Basin
1999 – Legislature authorized the first Bear River Basin Plan which was completed in 2001.
2010 – Legislature authorized the Bear River Groundwater Study which was completed in 2014.
2012 – A staff planning team from the WWDO, SEO and the University of Wyoming, Water Resources Data System (WRDS) offices completed an update of the Bear River Basin Plan.

Green River Basin
1999 - Legislature authorized the first Green River Basin Plan which was completed in 2001.
2007 - Legislature authorized the Green River Basin Plan Update and the Green River Basin Groundwater Plan. Both were completed in 2010.

Powder/Tongue River Basin
2000 - Legislature authorized the Powder/Tongue River Basin Plan which was completed in 2002.
2015 – Legislature authorized the Powder/Tongue and Northeast River Basin Plan Update (see Powder/Tongue Northeast River Basin Plan Update) and the Powder/Tongue and Northeast and Groundwater Analysis (see Powder/Tongue Northeast Groundwater Analysis).

Northeast River Basin
2000 - Legislature authorized the Northeast River Basin Plan which was completed in 2002.
2015 – Legislature authorized the Powder/Tongue and Northeast River Basin Plan Update (see Powder/Tongue Northeast River Basin Plan Update) and the Powder/Tongue and Northeast and Groundwater Analysis (see Powder/Tongue Northeast Groundwater Analysis).

Wind/Bighorn River Basin
2001 – Legislature authorized the Wind/Bighorn River Basin Plan which was completed in 2003.
2008 – Legislature authorized the Wind/Bighorn River Basin Plan Update and the Groundwater Plan. The Basin plan was completed in 2010, and the groundwater plan was completed in 2011.

Snake/Salt River Basin
2001 – Legislature authorized the Snake/Salt River Basin Plan which was completed in 2003.
2011 – Legislature authorized the Snake/Salt River Basin – Groundwater Analysis. The study was completed in 2014.
2014 - A staff planning team from the WWDO, SEO and the University of Wyoming, Water Resources Data System (WRDS) offices completed an update of the Snake/Salt River Basin Plan.

Platte River Basin
2003 – Legislature authorized the Platte River Basin Plan in 2003 which was completed in 2006.
2009 – Legislature authorized the Platte River Basin Groundwater study which was completed in the spring of 2014.
2014 – Legislature authorized the Platte River Basin Plan Update. (See Platte River Basin Plan Update)

Framework Water Plan
2005 – Legislature authorized the Framework Water Plan. The Plan was initiated in June 2006, and included a summary of the seven river basin plans and a projection of future demands. The Framework was completed in 2007.

Other
2009 – Legislature authorized the Green River Decision Support System Feasibility Study. This study determined the feasibility for the development of a decision support system (DSS) in the Green River Basin. The DSS consists of extensive databases and water right's allocation, and consumptive use models.
2010 – Legislature authorized the Recreation and Environmental Study. The study assisted the Office in developing methodologies to define environmental and recreational water demands and benefits, and to incorporate this information in the river basin planning. The study was completed in 2011.

The River Basin Planning Section of the WWDO is currently seeking funding to conduct an environmental and recreational use study in the Bear, Green and Wind/Bighorn Basins (See Basin Planning: Environmental and Recreational Use Study (Bear, Green, and Wind/Bighorn Basins) and a Bear River Data Model Pilot Study (Bear River Basin).

RECOMMENDED LEGISLATIVE ACTION:
See Basin Planning: Environmental and Recreational Use Study (Bear, Green, and Wind/Bighorn Basins) and Bear River Data Model Pilot Study.

199. PROJECT: Statewide Water Research

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	30	1998	I	$ 41,584	2000
Level I	36	2000	I	$140,000	2002
Level I	86	2001	II	$140,000	2002
Level I	7	2002	I	$200,000	2004
Level I	125	2003	I	$200,000	2004
Level I	31	2004	I	$200,000	2006
Level I	75	2005	I	$200,000	2006
Level I	99	2006	I	$300,000	2008
Level I	85	2007	I	$300,000	2008
Level I	33	2008	I	$300,000	2010
Level I	66	2009	I	$300,000	2010
Level I	32	2010	I	$300,000	2012
Level I	1	2011	I	$300,000	2012
Level I	57	2012	I	$400,000	2014
Level I	66	2013	I	$400,000	2014
Level I	74	2014	I	$319,000	2017
Level I	168	2015	I	$397,338	2018

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 2015 research projects are listed below:

- 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.
- Investigating the use of groundwater modeling to understand and quantify groundwater flow in the Casper Aquifer
- Develop a new technology for on-arm or on-site reduction of salinity and alkalinity to lower carbonate and bicarbonate from coproduced waters discharged from the energy industry.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends $311,328 be appropriated from Water Development Account I for the 2016 statewide water research projects.

200. PROJECT: Sublette Creek Reservoir

LEVEL: II
SPONSOR: Cokeville Development Company
LOCATION: Lincoln County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR 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	2016

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 were best from an operations standpoint and provided the best irrigation reliability with the smallest pool. They also offered the best flood control, greatest hydropower potential, and least environmental impacts. However, it appeared 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 a 2009 appropriation to conduct a Level II, Phase II analysis of the more favorable reservoir sites.

Based upon the Level II, Phase II study completed in 2010, the WWDC recommended that additional work be conducted which included refinements to the design and cost estimates for the preferred dam alternative and supply canal. In addition, permitting and mitigation cost estimates were 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.

Project information is currently being considered by the CDC, Office, and other involved agencies. The final report for the current phase of study is expected in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

201. PROJECT: Sundance PRV Improvements 2016

LEVEL: New Application (Level III)
SPONSOR: City of Sundance
LOCATION: Crook County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$ 150,000	2015
Level II	74	2014	I	$ 183,000	2017

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status, with an appropriation of $137,350.

202. **PROJECT:** **Sundance Storage Tank**
LEVEL: III
SPONSOR: Town of Sundance
LOCATION: Crook County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$150,000	2014
Level III	14	2012	I	$712,500*	2017
Level III	105	2006	I	$233,350**	2017

* 75% grant, 25% sponsor
** Sponsor's Contingency 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. The project was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

203. **PROJECT:** **Sundance Transmission Pipeline 2016**
LEVEL: New Application (Level III)
SPONSOR: City of Sundance
LOCATION: Crook County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$ 150,000	2014
Level III	14	2012	I	$ 712,500*	2017
Level III	105	2006	I	$ 233,350**	2017

*75% Grant, 25% Sponsor
** Sponsor's Contingency Fund 67% Grant, 33% Sponsor

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be funded as the 2016 Sundance Transmission Pipeline, Level III, with an appropriation of $713,550.

204. **PROJECT:** **Sundance Water System Feasibility Study**
LEVEL: II
SPONSOR: City of Sundance
LOCATION: Crook County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$ 150,000	2014
Level II	74	2014	I	$ 183,000	2017

PROJECT INFORMATION:
The City of Sundance obtains its water from four (4) wells in the Madison and Minnelusa formations capable of providing 1,000 gpm. The City 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 pumping station improvements and well field evaluation. In addition, the master plan recommended a pumping test of 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 incorporated these recommended alternatives, and the well pumping test and inspection/video logs commenced in June 2014. The Level II study was completed with the submittal of the final project report on August 31, 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
A potential health hazard exists to the residents of the Sweetwater Improvement and Service District. Their water source is exposed to potential contamination from surface run-off and impacts from wildlife and livestock. The presence of total coliform was detected in the summer of 2008. The District needs a secure water supply to protect the health of the residents. The WWDC 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.

A Project Agreement was completed with the district after they successfully completed a water purchase agreement with Cambria Improvement & Service District. A new pipeline is currently in design to connect the Sweetwater system to the Cambria system.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

206. PROJECT: Ten Sleep Storage Tank

LEVEL: III
SPONSOR: Town of Ten Sleep
LOCATION: Washakie County
PROGRAM: New Development

EXISTING AND PRIOR 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

*67% grant, 33% loan

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 was completed in 2014 and the project was closed out in June 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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.

A Project Agreement was completed with the district after they successfully completed a water purchase agreement with Cambria Improvement & Service District. A new pipeline is currently in design to connect the Sweetwater system to the Cambria system.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

207. PROJECT: Thermopolis Master Plan

LEVEL: Level I
SPONSOR: Town of Thermopolis
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$175,000	Complete
Level I	74	2014	I	$135,000	2017

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. The study was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

208. PROJECT: Upper Green River Watershed

LEVEL: I
SPONSOR: Sublette County Conservation District
LOCATION: Sublette/Lincoln/Teton Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	III	$ 300,000	2015

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 provided a detailed evaluation of the watershed and incorporated available technical information describing conditions and assessments of the watershed. Inventory and description included basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. The project consisted of field investigations, development of a Geographic Information System (GIS), permitting requirements and funding opportunities. Furthermore, a list of potential water development and system rehabilitation projects developed through landowner participation, was incorporated into a rehabilitation and management plan complete with cost estimates for potential future project activities. Finally, past reservoir feasibility analysis studies, from a number of agencies, was compiled in an effort to summarize the work, compare alternatives and provide direction on storage potential.

This project was completed in 2015. The data 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

209. **PROJECT:** **Upper Laramie River Watershed Study**
LEVEL: I
SPONSOR: Laramie Rivers Conservation District
LOCATION: Albany County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

PROJECT INFORMATION:
During the 2015 General Session, the Laramie Rivers Conservation District applied for, and received, funding to conduct 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.

This project is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

210. **PROJECT:** **Upper North Platte Watershed Study**
LEVEL: I
SPONSORS: Saratoga, Encampment, Rawlins Conservation District
LOCATION: Carbon County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	74	2014	I	$375,000	2017

PROJECT INFORMATION:
The Saratoga, Encampment, Rawlins Conservation District sponsored 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 provides 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 included.

The Upper North Platte River watershed, located south of Pathfinder Reservoir in Carbon County, is approximately 2,000,000 acres in size. 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.

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 was completed in December of 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

211. PROJECT: Upper Snake River Watershed Study

LEVEL: I
SPONSOR: Teton Conservation District
LOCATION: Teton County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

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

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

The Upper Snake River watershed, located primarily in Teton County, covers approximately 1,772,000 acres. Land ownership in the watershed is predominately federal (~95%), and private (~3%). The Upper Snake River watershed includes the primary stream system of the Snake River and numerous tributaries including the Gros Ventre River, Flat Creek, Fish Creek, Buffalo Fork, Pacific Creek, Spread Creek and Fall Creek. Jackson Lake Dam and Reservoir and Grassy Lake Dam and Reservoir are Bureau of Reclamation storage facilities located in the watershed and operated as part of the Minidoka project. Palisades Dam and Reservoir, located on the South Fork of the Snake River, is also managed in conjunction with the Minidoka Project. There are numerous smaller surface water impoundments within the watershed.

This study is developing 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.

On September 23, 2015, the project consultant held a kickoff meeting in Jackson to gather input from landowners, discuss opportunities for projects to be included in the watershed study as well as discuss any

funding assistance that could be available. Meetings will continue every other month throughout the course of this study. The final report is expected in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

212. PROJECT: Upton Well

LEVEL: III
SPONSOR: Town of Upton
LOCATION: Weston County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$395,000*	2014
Level III	100	2014	I	$ 0**	2015
Level III	23	2015	I	$ 0***	2016

* 67% grant, 33% loan
**Revised reversion Date from July 1, 2014 to July 1, 2015
***Revised reversion Date from July 1, 2015 to July 1, 2015

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. Currently, the application for an As-Built well permit is at DEQ awaiting approval.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

213. PROJECT: University of Wyoming Irrigation Water Supply

LEVEL: New Application (Level II)
SPONSOR: University of Wyoming
LOCATION: Albany County
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:
None

PROJECT INFORMATION:
In accordance with the 2015 Session of the 63rd Legislature of the State of Wyoming, Enrolled Act No. 56, the University of Wyoming is seeking WWDC funds to develop non-potable sources of groundwater for irrigating the Red Jacoby Golf Course. The University believes the benefits of such a study would lead

to a reduction in the use of potable water for irrigation, a reduction in man-hours to operate and maintain the golf course, a better financial outlook for the golf course operation, and better turf quality.

The University of Wyoming is seeking to develop non-potable sources of groundwater supply for irrigating the Red Jacoby Golf Course. The golf course currently irrigates approximately 138 acres solely with treated, potable water purchased from the City of Laramie. Golf course irrigation uses approximately 63 million gallons per year and usage may exceed 75 million gallons during dry years.

RECOMMENDED LEGISLATIVE ACTION:
The Legislative Select Water Committee (SWC) recommends that the project be funded as the 2016 UW Irrigation Water Supply, Level II Study, with an appropriation of $400,000.

214. PROJECT: Viva Naughton Enlargement

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Lincoln County
PROGRAM: Dams and Reservoirs

EXISTING AND PRIOR 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 United States Department of the Interior Bureau of Land Management (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 BLM. 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 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 would be 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 includes 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.

215. 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 AND PRIOR 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	23	2015	I	$1,447,500	2020

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 (SWC) 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 randomized statistical experiment portion of the WWMPP took place in the Medicine Bow and Sierra Madre Ranges, and as such, a rich dataset of information exists for these ranges from the past nine years of study.

The final design and permitting study is being led by the Research Applications Laboratory of the National Center for Atmospheric Research (NCAR) with collaboration from Weather Modification, Inc. (WMI), and Heritage Environmental Consultants (Heritage). Permitting activities under the National Environmental Policy Act (NEPA) with the U.S. Forest Service for an operational cloud seeding program in the Medicine Bow and Sierra Madre Ranges have been initiated. Work regarding the operational design to be deployed, including the method of seeding agent delivery (ground or airborne), the siting and ownership of generators, operational and institutional constraints, and a cost/benefit analysis has also commenced. Completion date for this study will be NEPA permitting dependent.

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. Conceptual design and siting feasibility studies, also funded by the 2015 Wyoming State Legislature, have commenced for those ranges. The studies 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. NCAR in association with WMI, and Heritage will complete a conceptual design and siting feasibility study for the Big Horn Range. The Desert Research Institute (DRI), in association with TREC, Inc., will complete the conceptual design and siting feasibility study for the Laramie Range.

As part of the extensive education and outreach needed to involve stakeholders, potential funding partners and interested parties, multiple public meetings for each of the project target areas have been held. Public meetings for the Big Horn Range were held in Sheridan, WY on September 22nd, and Worland, WY on September 23rd. Public meetings for the Laramie Range were held in Douglas, WY on September 30th, and Wheatland, WY on October 1st. Public meetings for the Medicine Bow and Sierra Madre Ranges were held in Saratoga, WY on September 21st, and Savery, WY on September 24th. Both the Big Horn and Laramie Range feasibility studies are scheduled for completion during 2016.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

216. 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 AND PRIOR 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 which were presented to the Commission and Legislative Select Water Committee showed that the accumulation of evidence from statistical, physical, and modeling analysis suggested that *cloud seeding was a viable technology to augment existing water supplies*, for the Medicine Bow and Sierra Madre Ranges. While the primary statistical analysis did not show a significant impact of seeding, statistical analysis stratified by generator hours showed increases of 3-17% for seeded storms. A climatology study based on high-resolution model data showed that ~30% of the winter time precipitation over the Medicine Bow and Sierra Madre Ranges fell from storms that met the WWMPP seeding criteria. Ground-based silver iodide measurements indicated that ground-based seeding reached the intended target, and in some cases well downwind of the target. High-resolution modeling studies by NCAR that simulated half of the total number of seeding cases showed positive seeding effects between 10-15%. In spite of the result of no seeding effect from the primary randomized statistical experiment, ancillary studies, using physical considerations to stratify the RSE data, and modeling studies over full winter seasons, led the National Center for Atmospheric Research to the conclusion that an accumulation of evidence from the statistical, modeling, and physical analysis suggested a *positive seeding effect on the order of 5 to 15%.*

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

217. PROJECT: Weather Modification Wind River Mountains

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

EXISTING AND PRIOR 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 afy 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), ground-based seeding generators targeting the Wind River Range were scheduled for dismantling during the summer of 2014. (*Generators in the Medicine Bow and Sierra Madre Ranges had already 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 would 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 included: 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.

The same ten ground-based ice nucleus generators (ground generators) that were employed during the preceding Wyoming Weather Modification Pilot Program (WWMPP) were deployed for the 2014-2015 season. Nine generators were sited on the west, southwest, and southern flanks of the range. The tenth was sited on the southeastern flank, southwest of Lander. As would be expected based on the ground generator locations, the majority of seeding was conducted when winds were from the west or southwest. A number of seeding events also occurred when winds were easterly, supporting the activation of the single ground generator near Lander. During the season, operations were conducted twenty-four hours a day, seven days a week. There were a total of 21 seeding events during the season, which varied widely from month-to-month.

The requisite temperature and wind criteria necessary to initiate seeding operations were primarily satisfied through the release of weather balloons. A total of 20 weather balloons were released during the 5.5 month project. The presence of a water cloud was established by a real-time data feed from a radiometer sited near Boulder, WY. In addition to the observed measurements, forecasters utilized a high-resolution numerical weather model operated by the National Center for Atmospheric Research (NCAR) Research Applications Laboratory (RAL) to help determine whether or not atmospheric conditions were suitable for seeding. The radiometer and the numerical weather model runs, funded through an agreement between the US Bureau of Reclamation and NCAR, were made available to WMI forecasters on a daily basis.

Overall, the 2014-2015 winter offered fewer storms and fewer opportunities for seeding than would normally be expected. This was primarily due to a prevailing long-wave weather pattern that kept storm

tracks largely north of the range, and also resulted in warmer-than-normal atmospheric temperatures, which made some storms too warm to seed effectively.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

218. 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 AND PRIOR 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
Level III	23	2015	I	$ 170,000	2017

PROJECT INFORMATION:
Cloud seeding operations targeting the Wind River Range in west-central Wyoming, for the winter of 2015-2016, commenced on November 19th, 2015. Barring early suspension, the program will conclude on April 30th, 2016. Wyoming's 25% share of the funds necessary to run the program were appropriated by the 2015 Wyoming State Legislature through the passage of the "2015 Omnibus Water Bill – Construction". The current effort targeting the Wind River Range includes the following Lower Colorado River Basin funding partners: the Arizona Department of Water Resources, the Central Arizona Water Conservation District, the Six Agency Committee, and the Southern Nevada Water Authority.

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

Cloud seeding operations in the Wind River Range for the winter of 2015-2016 represent the continuation of an operational, non-research program focused on snowpack augmentation in the target area as part of a larger strategy for flow augmentation in the Colorado River Basin. **It should be noted that no water ownership is implied by this participation, nor is there any expectation of a specific amount of water being delivered downstream, and any additional precipitation and subsequent stream flow that is produced through the program is treated as a natural event, and subject to Wyoming Water Law.**

Throughout the 2015-2016 cloud seeding season, the operations contractor (WMI) will prepare operational forecasts, release soundings, maintain the equipment, and conduct the seeding operations through ten, leased ground-based generators. Such operations may increase runoff during Water Year 2016 in the Green, Wind/Big Horn and Platte River Basins.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

219. PROJECT: Weather Modification Wind River Mountains 2017

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

EXISTING AND PRIOR 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
Level III	23	2015	I	$ 170,000	2017

PROJECT INFORMATION:
Funding is being requested for continued cloud seeding operations in the Wind River Range during the winter of 2016-2017. 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 Green, Wind/Big Horn and Platte River Basins. 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.

The requested appropriation reflects a 75/25 percent cost share with external funding partners, as was the case in the 2014-2015 and 2015-2016 seasons. **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.**

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development program at Level III status with an appropriation of $160,000. 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 external funding partners. The total project budget is $610,000.

220. PROJECT: Weather Modification-Wyoming Range

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Wyoming Range
Lincoln and Sublette Counties
PROGRAM: New Development

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	I	$100,000	2008
Level II	74	2014	I	$200,000	2017

PROJECT INFORMATION:
A Level II, Phase II Feasibility Study is being conducted to assess the feasibility of conducting an operational weather modification program targeting the eastern slopes of the Wyoming Range in western Wyoming. This study followed a Level II (Phase I) Feasibility Study that was completed in 2006 by North American Weather Consultants (NAWC). The Phase I Feasibility Study focused on the potential

for operational cloud seeding in the Salt River and Wyoming Ranges. Since then, Idaho Power Company (IPC) has expanded their operational cloud seeding program into the region, particularly the western slope of the Salt River Range targeting the Snake River Basin. The 2014 Wyoming State Legislature funded this Phase II Feasibility Study in order to reexamine operational cloud seeding opportunities in the region, in light of the recent developments by IPC, and with a renewed focus on targeting the eastern slope of the Wyoming Range to enhance streamflow into the Green River Basin. It was determined that a Phase II Feasibility Study was needed as numerous monitoring and operational developments had taken place since the original Phase I Study was completed.

The current Phase II Feasibility Study is assessing the effectiveness of seeding in storm conditions most common or optimal for seeding in the Wyoming Range vicinity. The study results will include the preliminary project design; operational criteria; environmental permitting requirements, inclusive of any access/easement agreements needed; a hydrologic assessment; cost estimates and a preliminary cost/benefit analyses. The study is currently being led by the Research Applications Laboratory of the National Center for Atmospheric Research (NCAR) with collaboration from North American Weather Consultants (NAWC) and Sunrise Engineering, and is expected to provide the preparatory information needed to determine the feasibility of potential future operations occurring in the area as part of a larger strategy of flow augmentation through weather modification in the Colorado River Basin. The Wyoming Water Development Office is currently reviewing the project draft report with completion of the study scheduled for 2016. No decisions regarding conducting an operational weather modification program targeting the eastern slopes of the Wyoming Range have been made at this time.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

221. PROJECT: Wheatland Irrigation District Rehabilitation 2015

LEVEL: III
SPONSOR: Wheatland Irrigation District
LOCATION: Platte County
PROGRAM: Rehabilitation

EXISTING AND PRIOR LEGISLATION:

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

*67% grant

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

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

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

During 2015, the District selected an engineer and initiated the design for the Bordeaux Lateral Siphons. The project has been designed, bid and successfully awarded. Construction on the project is anticipated to take place in-late 2015 through early 2016.

The District and engineer are evaluating the next projects to pursue for design.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

222. PROJECT: Wheatland No. 7 Well

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	I	$502,500*	2020

*67% grant

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:
No legislative action is required.

223. PROJECT: Wheatland Pipelines

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

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	I	$522,600	2020

*67% grant

PROJECT INFORMATION:
The project consists of enlarging and installing water transmission pipelines on the east side of Wheatland. This project includes upsizing 1,480 feet of 4-inch water pipeline to a 16-inch transmission line and installing an additional 1,380 feet of new 16-inch transmission pipeline as well as upsizing 840 feet of 4-inch water pipeline to 10-inch transmission pipeline and installing an additional 3,485 feet of new 10-inch water transmission pipeline and apparatuses to make the project functional.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III funding with an appropriation of $522,600. 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.

224. PROJECT: Wheatland Rehabilitation 2011

LEVEL: III
SPONSOR: Wheatland Irrigation District
LOCATION: Platte County
PROGRAM: Rehabilitation

EXISTING AND PRIOR 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. King and Dutton Reservoir rehabilitation projects were designed and went to bid. The projects were bid a total of three times. The first two bids were more than double the cost of the final bid.

In 2015, construction of the King and Dutton Reservoir Outlet projects took place during the summer and fall of 2015. The contractor worked in a timely manner to complete the project and provide a good product to the District. The District is looking forward to utilizing the improved reservoirs.

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

225. PROJECT: Willwood Dam Rehabilitation

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

EXISTING AND PRIOR 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. Originally the sponsor planned to safely remove an amount of sediment and to replace one of the inoperable sluice gates as well as the sole operable sluice gate. Without this project, if the lone operable sluice gate should fail, the sponsor would run the risk of sediment filling the area upstream of the dam, dumping into the Willwood Canal, and interfering with the operation of the canal headgates.

In 2014 the sponsor and the engineer worked with the Bureau of Reclamation to conceptualize a suitable design to economically accomplish the project goals. Further, an airlifting operation loosened sediment to allow operation of the center sluice gate, giving the sponsor two functioning sluice gates. Divers surveyed the two gates and dam face and provided the sponsor and engineer with graphical data to facilitate proceeding with a suitable design. Subsequently the sponsor determined that the sluice gates in place will not require removal and replacement. Instead the gate stems will be replaced as well as the gate operators. The two canal gates, stems, and operators will also be replaced. The structures housing the operators will be replaced and the gates will be automated with remote control and monitoring made possible from the district office via radio based telemetry. The sponsor opened construction contract bids and awarded a contract to the low bidder in the fall of 2015. Construction of the project should be completed in 2016.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

226. PROJECT: Willwood Irrigation District Master Plan

LEVEL: I
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR 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 were now outdated. Also, when data was originally gathered for the GIS important details on the canal's structures were left out. As a result, in 2013 the District requested that this data be gathered and incorporated into the GIS, along with updates that were necessary because of system improvements that had been completed since 2005. The District also requested a seepage analysis for several sections of the main canal. Their hope was that a prioritized list of main canal sections needing to be lined can be developed. Lastly, the district wanted to automate more of their system. In order to increase efficiency they wanted an analysis of their options for SCADA including software packages, hardware packages, locations, and implementation priorities. The master plan draft report has been received and comments have been provided for incorporation into the final report which will be completed in 2016.

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

227. PROJECT: Willwood Irrigation District Rehabilitation 2014

LEVEL: Level III
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR 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 and 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 is now complete.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is necessary.

228. **PROJECT:** **Willwood Irrigation District Rehabilitation 2016**
LEVEL: New Application (Level III)
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING AND PRIOR 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:
The top three priority items identified in the Willwood Irrigation District Master Plan Study were to convert two chutes on the main canal to pipe drops and to convert a segment of Lateral 120 from open ditch to buried pipe. Converting the upper portion of Lateral 120 to buried pipe with concrete box turnouts will result in significant conservation of water and more efficient deliveries. Replacement of the Peerless Coulee Chute and Willwood Draw Chute with pipe drop structures will help assure continued delivery of water. The sponsor's request is for 100% grant funding to finance the purchase of invoiced materials. The sponsor would be responsible for all project costs that are not materials invoices. This includes, but is not limited to, design, permitting, land rights, legal fees, construction labor and equipment, and construction engineering costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $533,000, in the form of a materials only grant.

229. **PROJECT:** **Wind River Irrigation Rehabilitation**
LEVEL: III
SPONSORS: Joint Business Council for the Eastern Shoshone and Northern Arapaho Tribes
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING AND PRIOR 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 was completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

230. PROJECT: Wind River Irrigation Rehabilitation 2015

LEVEL:	III
SPONSORS:	Eastern Shoshone and/or Northern Arapaho Tribes through the Office of The Tribal Engineer
LOCATION:	Fremont County
PROGRAM:	Rehabilitation

EXISTING AND PRIOR LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	23	2015	II	$1,482,121*	2020

* 67% Grant

PROJECT INFORMATION:
The Wind River Irrigation System which is operated by the Bureau of Indian Affairs and is in dire need of rehabilitation. Deferred maintenance has been estimated in the range of $90M by past studies. The tribes have taken on the task of rehabilitating the irrigation system in phases, 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. The sponsor has currently started design of one phase of the project and is selecting engineers for other phases.

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. Badwater-Poison Creek Watershed Study
8. Basin-Big Horn Canal
9. Basin Planning – Environmental and Recreational Uses
10. Bear River Groundwater Basin Planning
11. Beulah Water Supply
12. Big Horn Canal Rehabilitation
13. Big Horn Regional Groundwater
14. Big Sandy Enlargement
15. Big Valley & Crossed Arrows Improvement District Water Supply
16. Black Willow Water Supply
17. Boulder Flats Water Supply
18. Boulter Lake Enlargement
19. Bridger Valley Level II Reservoir Project
20. Bridger Valley Water Supply
21. Buffalo Creek Watershed Study
22. Buffalo Northwest Water Supply
23. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
24. Burns Water Supply
25. Cambria/Sweetwater Water Supply
26. Canyon/Newcastle Area Water Supply
27. Casper Alcova Rehabilitation, GIS
28. CBM Aquifer Storage and Retrieval
29. Cheyenne Belvoir Ranch Groundwater
30. Cheyenne Hydro Power
31. Cheyenne/Laramie County Water Service Area
32. Clear Creek Watershed Study
33. Clearmont CBM Impact
34. Cody Canal Irrigation District Hydropower
35. Cody Canal Rehabilitation, GIS
36. Cody Master Plan
37. Cokeville Reservoir
38. Corner Mountain Test Well
39. Cottonwood/Grass Creek Watershed Management Plan
40. Cottonwood Lake Enlargement
41. Crook County Reservoirs and Water Management
42. Crow Creek Groundwater Recharge
43. Crowheart Area/Dinwoody Canal System
44. Dayton Raw Water Irrigation
45. Deer Creek Dam and Reservoir
46. Dixon Water Supply

47. Douglas Ground Water
48. Douglas Master Plan
49. Dubois Regional Water Supply
50. East Fork Wind River Instream Flows
51. Eden Valley (Farson) Master Plan Level I
52. Eight Mile-High Plains Well
53. Encampment/Sierra Madre Water Supply
54. Enterprise Conservation Program
55. Evansville Master Plan
56. Fort Laramie Water Supply
57. Frannie Raw Water
58. Frannie Well Rehabilitation
59. Gillette Regional Connections
60. Gillette Regional Master Plan
61. Glenrock Master Plan
62. Goshen Irrigation District Master Plan 2006
63. Goshen Re-regulating Reservoir
64. Granger Water Supply
65. Green River Basin Plan-Groundwater
66. Green River Basin Plan-Update
67. Green River Decision Support System Feasibility Study
68. Green River Groundwater Recharge and Alternate Storage
69. Green River-Rock Springs-Sweetwater County Master Plan
70. GR-RS-SC JPB Water Supplies
71. Green River West Water Supply
72. Greybull Raw Water
73. Greybull Valley Hydropower
74. Greybull Valley Rehabilitation, GIS
75. Greybull Valley Sunshine Diversion
76. Greybull Wells Rehabilitation
77. Guernsey Master Plan
78. Hanna Water System Level I
79. Hawk Springs Master Plan
80. Hawk Springs Water Supply
81. Heart Mountain ID Return Flow Study
82. Heart Mountain Rehabilitation
83. High Meadow Ranch Master Plan
84. Hoback Junction Rural Regional Master Plan
85. Hoback Junction Water Supply
86. Hopkins Producers Irrigation District Reservoir Study
87. Hot Springs State Park, Big Springs Study
88. Hyattville Water Supply
89. Irrigation Hydro Power
90. James Town/Rio Vista Water Supply
91. Jeffrey City Water Supply
92. Jons Drop Hydropower
93. Kaycee Well & Storage
94. Kemmerer-Diamondville Master Plan
95. Kemmerer/Diamondville Water Supply
96. Kennington Springs
97. Keystone and Farmers Canal Master Plan
98. Kirby Area Water Supply Study
99. Kirby Creek Watershed Study

100. Kirby Irrigation District Conservation Program
101. Kirby Municipal Master Plan
102. LaBarge Water Supply
103. Lakeview Irrigation Master Plan
104. Lance Creek Water Supply
105. Lance Creek Well
106. Lander Master Plan
107. Lander Paleozoic Well
108. Laramie County Aquifer Study
109. Laramie Water Management Study
110. LeClair/Riverton Valley Irrigation Storage
111. Little Snake Canals
112. Little Snake River Watershed Study
113. Lodgepole Creek ASR
114. Lovell ID Hydro Power
115. Lovell Master Plan
116. Lower Nowood Rural Water Supply
117. Lucerne Water Supply
118. Lusk Master Plan
119. Lysite Water Supply
120. Manville Water Supply
121. Manville Well
122. Middle Fork Dam
123. Middle Fork Powder Watershed Management Plan
124. Middle North Platte Watershed
125. Midvale Conservation Program
126. North Canal-Grover
127. North Cheyenne Master Plan
128. North Platte Water Yield Analysis
129. Northeast Wyoming Interactive Database
130. Northern Arapaho Ground Water
131. Nowood River Watershed Study
132. Opal Regional Water Supply
133. Owl Creek Irrigation District Conservation Study
134. Owl Creek Irrigation Master Plan
135. Owl Creek Water Supply
136. Pavillion Area Water Supply
137. Pavillion Water Supply
138. Pine Bluffs Master Plan
139. Pinedale Hydro Power
140. Pinedale Master Plan
141. Pine Haven Master Plan
142. Pine Haven Tank and Well Study
143. Pioneer Rehabilitation
144. Platte-Goshen Regional Master Plan
145. Platte River Basin Plan-Groundwater
146. Poison Spider Pipelines
147. Popo Agie Watershed Management Plan
148. Powder River Water Supply
149. Powell Airport Water Supply
150. Probable Maximum Precipitation Study
151. Rawlins Master Plan
152. Rawlins Operations Study

153. Ray Lake Enlargement
154. Red Lane Master Plan
155. Rock Springs East Water Supply
156. Rolling Hills Master Plan
157. Saratoga Groundwater
158. SEO/Lusk Area Ground Water
159. Shell Canal Tunnel
160. Sheridan Supplemental Storage
161. Shell Valley Watershed Management Plan
162. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
163. Shoshone ID Rehabilitation, GIS
164. Smith's Fork Dam
165. Snake/Salt River Basin-Groundwater Analysis
166. South Circle Master Plan
167. South Garden Creek Water Supply
168. Squaw Creek Water Supply
169. Star Valley Ranch Water Supply
170. Star Valley Regional Master Plan
171. State Stream Gage System
172. Sundance Master Plan, Level I
173. Sweetwater River Watershed
174. Sweetwater Water Supply
175. Tensleep/Hyattville Master Plan
176. Tensleep Water Supply
177. Thermopolis Storage and Raw Water
178. Three Horses Watershed Study
179. Thunder Basin Watershed Studies I and II
180. Upper Green River Westside Storage
181. Upper Wind River Storage
182. Wagner Cherokee Irrigation Rehabilitation
183. Wamsutter Well 2010
184. Washakie County Safety
185. Weather Modification – Salt River and Wyoming Ranges
186. Westside Irrigation NEPA
187. Wheatland ID Master Plan
188. Wheatland ID System Phase II
189. Wheatland Master Plan
190. Willwood ID Rehabilitation, GIS
191. Wind River/Big Horn River Basin Plan Update
192. Wind River Glaciers
193. Worland Area Irrigated Lands GIS
194. Worland Eastside Transmission Line
195. Worland Wells Test
196. Wright Master Plan
197. Yoder Groundwater Project
198. 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
47. Muddy Creek 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 Rehabilitation 2010

SPONSOR:	Casper Alcova Irrigation District
LOCATION:	Natrona County
PROGRAM:	Rehabilitation
APPROPRIATION:	$477,040
ACTUAL EXPENDITURES:	$473,547.72
DESCRIPTION:	Pipe Lateral 210 and 210-250
ENGINEER:	WLC Engineering, Surveying, & Planning; Casper, WY
CONTRACTOR:	Grizzly Excavation & Construction; Casper, WY
YEAR COMPLETED:	2013
SESSION LAW YEAR:	2010

55. 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

56. 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

57. 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

58. 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

59. 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

60. 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

61. 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

62. 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

63. 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

64. 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

65. 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

66. 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

67. 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

68. 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

69. 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

70. 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

71. 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

72. 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

73. 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

74. 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

75. 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

76. 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

77. 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

78. 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

79. **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

80. **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

81. **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

82. **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

83. **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

84. 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

85. PROJECT: Cody Canal Rehabilitation 2013
SPONSOR: Cody Canal Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation
APPROPRIATION: $144,000
ACTUAL EXPENDITURES: $41,209.92
DESCRIPTION: Replace 20th Street pipeline
ENGINEER: Engineering Associates; Cody, Wyoming
CONTRACTOR: Harris Trucking & Construction; Cody, Wyoming
YEAR COMPLETED: 2014
SESSION LAW YEAR: 2013

86. 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

87. 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
88.	**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
89.	**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
90.	**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
91.	**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

92. **PROJECT:** **Cook Road Well**
SPONSOR: Cook Road Water District
LOCATION: Campbell County
PROGRAM: New Development
APPROPRIATION: $1,290,000
ACTUAL EXPENDITURES: $1,308,779 (additional funds for water quality testing)
DESCRIPTION: New well, connection piping to existing system and well house improvements
ENGINEER: Stetson Engineering; Gillette, WY
CONTRACTOR: Black Cat Construction; Gillette, WY
Grosch Drilling; Yuma, CO
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2010

93. **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

94. **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

95. **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

96. 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

97. 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

98. 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

99. 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
100.	**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
101.	**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
102.	**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
103.	**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
104.	**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
105.	**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
106.	**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
107.	**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

108. 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

109. 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

110. 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

111. 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
112.	**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
113.	**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
114.	**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
115.	**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

116. 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

117. 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

118. 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

119. 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

120. 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

121. 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

122. 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

123. 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

124. 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

125. 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

126. 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

127. 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

128. 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

129. 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

130. 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

131. 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

132. 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
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005

133. 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

134. 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

135. 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

136. 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

137. 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

138. 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

139. 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

140. 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

141. 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

142. 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

143. 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

144. 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

145. 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

146. 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

147. 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

148. 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

149. 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
150.	**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
151.	**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
152.	**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
153.	**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

154. 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

155. 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

156. 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

157. 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

158. 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

159. 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

160. 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

161. 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

162. 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

163. 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

164. 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

165. 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

166. 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

167. 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

168. 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

169. 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

170. 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

171. 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

172. 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

173. 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

174. 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

175. 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

176. 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

177. 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

178. 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

179. 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

180. 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

181. 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

182. 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

183. 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

184. 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

185. 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

186. 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

187. 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

188. 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

189. 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

190. 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

191. 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

192. 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

193. 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

194. **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

195. **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

196. **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

197. **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

198. **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

199. 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

200. PROJECT: Lake Hattie Outlet Works
SPONSOR: Pioneer Canal – Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $163,000
ACTUAL EXPENDITURES: $163,000
DESCRIPTION: New Outlet structure to prevent the buildup of sediment in the outlet pipes
ENGINEER: WWC Engineering
CONTRACTOR: Hamaker Excavation; Laramie, WY
Timberline Excavating; Sundance, WY
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2004

201. 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

202. 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

203. 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

204. 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

205. 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

206. 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

207. 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

208. 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

209. 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

210. 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

211. 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

212. **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

213. **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

214. **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

215. 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

216. 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

217. 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

218. 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

219. 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

220. 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

221. 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

222. 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

223. 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

224. 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

225. 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

226. 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

227. 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

228. 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

229. 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

230. 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

231. 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

232. 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

233. 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

234. 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

235. 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

236. 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

237. 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

238. 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

239. 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

240. 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

241. 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

242. 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

243. 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

244. PROJECT: **Midvale Rehabilitation 2012**

SPONSOR:	Midvale Irrigation District
LOCATION:	Fremont County
PROGRAM:	Rehabilitation
APPROPRIATION:	$945,000
ACTUAL EXPENDITURES:	$462,933.70
DESCRIPTION:	Replace ditch with buried pipe on Wyoming Lateral 15.1
ENGINEER:	APEX Surveying; Riverton; WY
MATERIALS:	Big Horn Truck & Equipment; Manderson, WY
YEAR COMPLETED:	2014
SESSION LAW YEAR:	2012

245. 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

246. 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

247. 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

248. 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

249. 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

250. 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

251. 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

252. 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

253. 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

254. 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

255. 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

256. 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

257. 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

258. 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

259. 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

260. 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

261. 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

262. 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

263. 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

264. 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

265. 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

266. 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

267. 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

268. 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

269. 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

270. 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

271. 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

272. 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

273. 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

274. 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

275. 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

276. 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

277. 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

278. 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

279. 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

280. 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

281. 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

282. 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

283. 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

284. 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

285. 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

286. 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

287. 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

288. 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

289. 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

290. 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

291. 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

292. 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

293. 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

294. 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

295. 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

296. 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

297. 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

298. 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

299. 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

300. 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

301. 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

302. 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

303. 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

304. 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

305. 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

306. 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

307. 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

308. 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

309. 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

310. 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

311. 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

312. 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

313. 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

314. 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

315. 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

316. 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

317. 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

318. 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

319. 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

320. 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

321. 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

322. 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

323. 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

324. 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

325. 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

326. PROJECT: **Shoshone Municipal Pipeline - 2009**

SPONSOR:	Shoshone Municipal Water JPB
LOCATION:	Park County
PROGRAM:	Rehabilitation
APPROPRIATION:	$2,428,800
ACTUAL EXPENDITURES:	$1,705,303
DESCRIPTION:	Pipeline relocation due to highway construction
ENGINEER:	DOWL HKM; Laramie, WY
CONTRACTOR:	Garney Wyoming, Inc.; Chugwater, WY
YEAR COMPLETED:	2012
SESSION LAW YEAR:	2009

327. 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
328.	**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
329.	**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
330.	**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

331. 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

332. 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

333. 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

334. 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

335. 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

336. 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

337. 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

338. 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

339. **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

340. **PROJECT:** **Small Water Projects**

Small Water Project	Account	Year Approved
Diamond S Ranch Pipeline	New Development	2003
Central Well	New Development	2003
Big Bend Pasture Well	New Development	2003
Emigrant/Four Mile Pits	New Development	2003
Perino Pipeline	New Development	2003
Gooseberry Creek Ranch Well	New Development	2003
Big Horn River Ranch Pipeline	New Development	2003
East Dry Creek #1 Well	New Development	2003
Crowfoot Ranch Well	New Development	2003
Jensen Wash Well	New Development	2003
Migration Well	New Development	2003
Asperation Well	New Development	2003
Gasson Well #2	New Development	2003
Bench Well	New Development	2003
Four Mile Gulch Well	New Development	2003
Bad Land Well	New Development	2003
Twelve Mile Sink Well	New Development	2003
Lombard Well	New Development	2003
Emigrant Well	New Development	2003
Blue Forest Well	New Development	2003
Russell Ranch Pipeline	New Development	2003
Diamond S Ranch Well	Rehabilitation	2003
Big Sandy Pipeline	Rehabilitation	2003
Coyote Reservoirs	Rehabilitation	2003
Cabin Creek Water Development	Rehabilitation	2003
TY Ranch Pipeline	Rehabilitation	2003
Old Steve Adams Duck Pond	Rehabilitation	2003
Poison Buttes/Cottonwood Ponds	Rehabilitation	2003
Jones Water Project	Rehabilitation	2003
Croonberg Water Development	Rehabilitation	2003
Antelope Hills Water Well	New Development	2004
Range Unit 40 Young Bench Well	New Development	2004
Aaron Carollow Livestock	New Development	2004
Antone Swanda Well & Pipeline	New Development	2004

Small Water Project	Account	Year Approved
Gordon Pries Irrigation Pipeline/Pond	New Development	2004
Cherokee Allotment Ground Water	New Development	2004
Chant Water Well #1	New Development	2004
Springfield Ranch-Laramie Plains	New Development	2004
Butte Water Development	New Development	2004
PH livestock Fillmore Pasture	New Development	2004
Black Thunder Watershed Project	New Development	2004
Basin Allotment Project	New Development	2004
Dobie Ridge Project	New Development	2004
Muddy Creek Ox Bow Restoration	New Development	2004
Shant Stock Ponds #7 & #8	New Development	2004
Coal Gulch Grade Control/Diversion	New Development	2004
Vineyard Ranch Small Water Project	New Development	2004
Henthorne Pipeline	Rehabilitation	2004
Hay Creek Project	Rehabilitation	2004
South Coffee Project	Rehabilitation	2004
Range Unit 40 Crowheart Butte Pipeline	Rehabilitation	2004
Range Unit 38 Water Rocks Pipeline	Rehabilitation	2004
Double Tanks Pipeline	Rehabilitation	2004
Blakely Big Draw	Rehabilitation	2004
Jones Bros. 2-B & #8 Reservoirs	Rehabilitation	2004
Morrisey Pipeline Rehabilitation	Rehabilitation	2004
Big Poddy Creek Pipeline	Rehabilitation	2004
Mishurda Mtn. Ranch, Phase 2 Pipeline	Rehabilitation	2004
Struempf Ponds	Rehabilitation	2004
Lodgepole Water Project	Rehabilitation	2004
Red Butte Water Project	Rehabilitation	2004
Muley Meadows Pipeline	Rehabilitation	2004
Little Jack Res., South Flat Top	Rehabilitation	2004
Irvine Ranch Small Water Project	Rehabilitation	2004
Upper Nowater Stock Well & Storage	New Development	2005
Hall Butte Reservoir Project	New Development	2005
West Keester Project	New Development	2005
Six Mile Spring Development	Rehabilitation	2005
Canyon Springs Prairie Project	Rehabilitation	2005
Upper Beaver creek Pipeline	Rehabilitation	2005
Sun Land & Cattle Co. Project	Rehabilitation	2005
Neiber Pipeline Project	Rehabilitation	2005
Pole Mountain Water Development	Rehabilitation	2005
Bunch-Wetland Restoration	New Development	2006
Hall Butte Range Water Development	New Development	2006
Jones Pond #1 Red Hole & Offsite	New Development	2006
Jones Pond #2 Red Hole	New Development	2006
Jones Pond #3 Red Hole	New Development	2006
Reed Pipeline	New Development	2006
Russell Ranch Wetland Restoration	New Development	2006
Hibbard Stock Rest Water Development	New Development	2006
Kaycee Stock Rest Water Development	New Development	2006

Small Water Project	Account	Year Approved
Casey Jones Well	New Development	2006
Dull Center Well	New Development	2006
East Woody & NW Ireton Wells	New Development	2006
Frog Creek Well	New Development	2006
Gordon Well	New Development	2006
Hills Well	New Development	2006
Iberlin Bobcat Well	New Development	2006
Iberlin Solar Well	New Development	2006
Lower Horse Section 35 Well	New Development	2006
M Creek Section 26 Well	New Development	2006
Nuemiller Section 15 Well	New Development	2006
Nuemiller Upper Meadow Portable Solar	New Development	2006
North M Creek	New Development	2006
Rock Well	New Development	2006
South M Creek	New Development	2006
Riehle Well	New Development	2006
Rothluetner Solar Well	New Development	2006
Rochelle Hills Spring Development	New Development	2006
West Railroad Well	New Development	2006
Baird-Sand Draw Pipeline	Rehabilitation	2006
Hall Butte Stock Pond Rehab	Rehabilitation	2006
Henthorne Stock Ponds Rehab	Rehabilitation	2006
Jones Pipeline & Storage Tank	Rehabilitation	2006
Reed Reservoir	Rehabilitation	2006
Russell Ranch Stock Pond Rehab	Rehabilitation	2006
V-Ventures Boxcars Rehab	Rehabilitation	2006
V-Ventures West Kirby Pond Rehab	Rehabilitation	2006
V-Ventures Below Frost Pipeline	Rehabilitation	2006
V-Ventures-Wetland Rehab	Rehabilitation	2006
Whitt-Homestead Pipeline	Rehabilitation	2006
Government Reservoir Water Development	Rehabilitation	2006
JJ Springs Water Development	Rehabilitation	2006
Mud Springs/Arch Cr Water Development	Rehabilitation	2006
Downs Solar Pipeline	Rehabilitation	2006
East Pasture-South Pipeline	Rehabilitation	2006
Lona Solar	Rehabilitation	2006
Tracy Solar Systems	Rehabilitation	2006
2 Coyote-East Pipeline	Rehabilitation	2006
2 Coyote Pipeline	Rehabilitation	2006
2 Coyote Storage	Rehabilitation	2006
West Horse Underground Pipeline	Rehabilitation	2006
Tracy Wells	Rehabilitation	2006
Rothleutner Stock Tanks	Rehabilitation	2006
Upper Antelope-Coal Bank Pipeline	Rehabilitation	2006
Little Grass Creek Water Development	New Development	2008
West Prospect, Otty, Urwin Pipeline	New Development	2008
Arkansas Creek Stockwater Pipeline	New Development	2009
Dickie 21/Bear Cr./Urwin 21 Pipeline	New Development	2009

Small Water Project	Account	Year Approved
Grass Creek Divide	New Development	2009
Horse Pasture Putney Flat Pipeline	New Development	2009
LU Farm Pivot Diversion	New Development	2009
North Prospect Pipeline	New Development	2009
Pats Draw Pipeline	New Development	2009
Putney School Section Pipeline	New Development	2009
Ramul 21 Pipeline	New Development	2009
Reds Creek Pasture Pipeline	New Development	2009
Spring Gulch Pipeline	New Development	2009
Wagonhound Spring Pipeline	New Development	2009
Jesse Brown Ditch Diversion	Rehabilitation	2009
Littlejohn Ditch Turnout	Rehabilitation	2009
Sawmill Creek Headgate	Rehabilitation	2009
Coal Bank Pipeline	New Development	2010
Keyton Creek Spring Development	New Development	2010
Lower Antelope North Pipeline	New Development	2010
Rock Well Pipeline	New Development	2010
Lower Antelope South Pipeline	New Development	2010
West Spring Gulch Pipeline	New Development	2010
West Dorr 1-1 Well Pipeline	New Development	2010
Wohlford TB-6A Well	New Development	2010
Bond #1 Well	Rehabilitation	2010
Bond #2 Well	Rehabilitation	2010
Enterprise Ditch Bifurcation	Rehabilitation	2010
Kirby Ditch Headgate	Rehabilitation	2010
M Creek Pipeline	Rehabilitation	2010
North M Creek 14-1 Well	Rehabilitation	2010
Pellatz North Well	New Development	2011
River Well	New Development	2011
TB 231	New Development	2011
Lower Frog Creek Well	New Development	2011
Henthorne Solar Project	New Development	2011
Jones Pond #2 Diversion Pipeline	New Development	2011
Jones Wildhorse Spring Pipeline	New Development	2011
MMR Lake Creek Spring Development	New Development	2011
MMR Rock Spring Development	New Development	2011
MMR Towers Spring Development	New Development	2011
Dam Teresa	New Development	2011
Airport Pipeline	New Development	2011
West Alkali Pipeline	New Development	2011
East Alkali Pipeline	New Development	2011
Mesa Well	New Development	2011
Anita Ditch Pipeline	Rehabilitation	2011
West Allotment Pipeline	Rehabilitation	2011
Beef Pasture Pipeline	New Development	2012
Canyon Spring	New Development	2012
Cook Spring	New Development	2012
Edwards-Robinson South	New Development	2012

Small Water Project	Account	Year Approved
214 Jacobs W20-1 Well	New Development	2012
216 Jacobs W29-1 Well	New Development	2012
Pellatz Spreader	New Development	2012
220 Jacobs TB081B Well	New Development	2012
Kruse Ranch Dam	New Development	2012
Jim's Meadow Pipeline	New Development	2012
Pellatz Pipeline	New Development	2012
BLM Wild Horse	New Development	2013
Iberlin Pipeline	New Development	2013
Oaks Pasture	New Development	2013
Patterson Upland	New Development	2013
Reservoir #3	New Development	2013
TB 020B Pipeline	New Development	2013
246 Rothluetner	New Development	2013
Dexter Pipeline	New Development	2013
TB 099B	New Development	2013
Coal Mine Spring Development	New Development	2014
Kester Coulee North Pipeline	New Development	2014
Kester Coulee South Pipeline	New Development	2014
Baggs Grazing Allotment	New Development	2014
Ladder Livestock #1	New Development	2014
Muddy Creek Wetland Duck Pond #8	New Development	2014
#1 Pat Sheehananigans	New Development	2014
PH Livestock Alamosa Gulch	New Development	2014
Weber Ranch Doty Mountain Allotment	New Development	2014
Deep Creek Pasture Rehab 1	Rehabilitation	2014
Deep Creek Pasture Rehab 3	Rehabilitation	2014
Hog Eye Ranch Little Savery Pasture Stock Pond	Rehabilitation	2014
Johnson Ranch Irrigation Diversion Structure	Rehabilitation	2014
Deep Hills Solar Conversion	Rehabilitation	2014
Wadsworth Reservoir Rehabilitation	Rehabilitation	2015

341. **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

342. 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

343. 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

344. 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

345. 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

346. 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

347. 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

348. 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

349. 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

350. 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

351. 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

352. 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

353. 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

354. 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
355.	**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
356.	**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
357.	**PROJECT:**	**Teton Village Water Supply**
	SPONSOR:	Teton Village Water and Sewer District
	LOCATION:	Teton County
	PROGRAM:	New Development
	APPROPRIATION:	$2,447,500
	ACTUAL EXPENDITURES:	$52,915.43 (mainly used district funds)
	DESCRIPTION:	Connect wells, flow metering, control building, emergency generator, chlorination
	ENGINEER:	Nelson Engineering; Jackson, WY
	CONTRACTOR:	G E Johnson Construction Company; Colorado Springs, CO
	YEAR COMPLETED:	2011
	SESSION LAW YEAR:	2009
358.	**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

359. 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

360. 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

361. 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

362. 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

363. 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

364. 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

365. 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

366. 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

367. 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

368. 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

369. 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

370. 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

371. 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

372. 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

373. 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

374. 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

375. 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

376. 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

377. 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

378. 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

379. 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

380. 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

381. 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

382. 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

383. 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

384. 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

385. 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

386. 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

387. PROJECT: **Willwood Rehabilitation 2010**

SPONSOR:	Willwood Irrigation District
LOCATION:	Park and Big Horn County
PROGRAM:	Rehabilitation
APPROPRIATION:	$1,500,000
ACTUAL EXPENDITURES:	$1,326,904.58
DESCRIPTION:	Replace ditch with buried pipe on Lateral 84
ENGINEER:	Sage Civil Engineering; Cody, WY
MATERIALS:	Waterworks Irrigation, Inc.; Ralston, WY
YEAR COMPLETED:	2014
SESSION LAW YEAR:	2010, 2011

388. 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

389. 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

390. 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

391. PROJECT: **Wright Water Supply 2011**

SPONSOR:	Wright Water & Sewer District
LOCATION:	Campbell County
PROGRAM:	New Development
APPROPRIATION:	$1,809,000

ACTUAL EXPENDITURES: $1,263,033.83
DESCRIPTION: RJ-3 well house / RJ-7 well connection, transmission pipeline
ENGINEER: HDR, Gillette, WY
CONTRACTOR: Construction Dynamics, Casper, WY / DRM, Gillette, WY
YEAR COMPLETED: 2014
SESSION LAW YEAR: 2011/2012

392. 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

393. 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

394. 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

395. 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