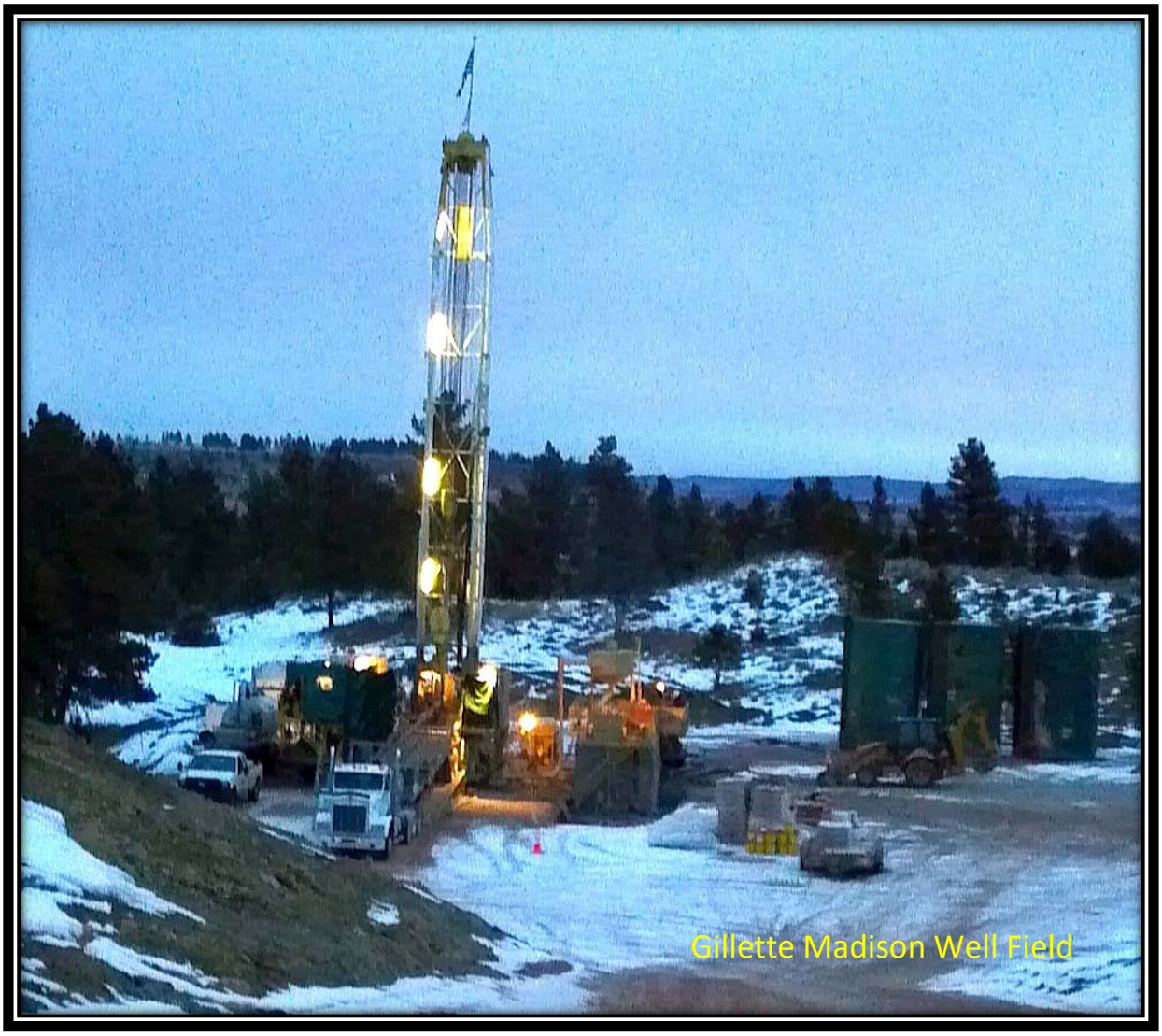
2014
LEGISLATIVE REPORT



WYOMING WATER DEVELOPMENT COMMISSION

2014 LEGISLATIVE REPORT
WYOMING WATER DEVELOPMENT PROGRAM

Wyoming Water Development Commission (029)
http://wwdc.state.wy.us
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Cheyenne, Wyoming

January 2014

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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 can proceed through construction. The project sponsor must be willing and capable of financially supporting all operation and maintenance costs and 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. Debt service accounts have been established to ensure that the state's operation, maintenance, replacement and contract obligations can be 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 debt service account. The state's water investments include the following:

Buffalo Bill Enlargement-190,000 acre feet of storage water
Fontenelle Reservoir-120,000 acre feet of storage water
High Savery Dam and Reservoir-22,400 acre feet of storage water
Palisades Reservoir-33,000 acre feet of storage water
Pathfinder Modification Project-53,000 acre feet of storage water
Glendo Reservoir-10,600 acre feet of storage water (pending)

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.

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 31, 2013, a total of 131 instream flow filings exist with the State of Wyoming. Each of these filings represents a separate instream flow segment. Out of these, 81 have obtained permits from the State Engineer's Office (SEO), 5 remain under review by the SEO, 19 are in preliminary application status, and 26 have been adjudicated by the Wyoming Board of Control. To date, the Water Development Commission has completed a total of 46 hydrologic feasibility reports with 1 in progress. During 2014, one report is scheduled for completion and another report is anticipated to be started.

3. Water Related Research

The Commission participates in research projects relative to water resource issues that are not necessarily project specific but that may influence water resource management in Wyoming. Many research projects gather information that is useful in addressing permitting issues, environmental problems, etc.

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

4. Basin Wide Planning

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

5. Groundwater Grant Program

The 1981 Session of the Wyoming Legislature enacted W.S. 41-2-119 which authorized the Groundwater Grant Program. These funds were to be utilized for feasibility studies and exploration programs to evaluate the potential use of underground water. Municipalities, water and sewer districts, and service and improvement district area are eligible to receive up to $400,000 in state funds as a grant but are required to provide 25% of total project costs in local matching funds. To date, seven million eight hundred thousand dollars has been appropriated from Water Development Account No. I to the Program. Applications for Ground Water Grant funds are accepted anytime throughout the calendar year for consideration by the Commission.

6. Small Water Project Program

During the 2003 session, the legislature removed the pilot status of the program and authorized funding for the construction and rehabilitation of the "small projects" throughout the state. Water Development Program funding is limited to fifty percent (50%) of the actual construction costs or a maximum grant of twenty-five thousand

dollars ($25,000) 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 2006 Legislative session suspended new applications to the Small Water Project Program effective July 1, 2006. Projects authorized prior to that date were allowed to continue, but no new applications were being accepted.

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

During the 2012 Legislative session, the program was extended to July 1, 2014. The Wyoming Water Development Commission and Legislative Select Water Oversight Committee approved new criteria for the Small Water Project Program. New applications are annually reviewed by the Commission at 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 and budget reserve account, receives revenues from the severance tax distribution account, and receives the accrued interest on the account's unspent balance. Legislative approval must be granted prior to allocating water development account funds to a particular project. Income from the tax and interest and payments for outstanding loans ranges from $26,000,000 to $28,000,000 per year. The WWDC is committed to phase or delay projects to ensure its recommendations do not result in overruns of the account.

Water Development Account No. I also funds the following:

1. Agency budget-The agency budget for the Wyoming Water Development Office (WWDO) is approximately $8,100,000 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 $805,000 per biennium.

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

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

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

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

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

8. Small Water Projects Program-The legislature has invested $2,250,000 in the New Development component of the program.

9. DWSRF-By enacting W.S. 16-1-301, the legislature authorized the use of water development account I funds to meet federal matching grant requirements. The federal capitalization grant and the state's matching share are used to finance a "drinking water state revolving loan fund" (DWSRF) program. The DWSRF program may be used to fund improvements to water treatment systems and address other Safe Drinking Water Act compliance issues. This program is not included in the annual omnibus water bill or agency budget. Water Development program funds (approximately $1,640,000 per biennium) are appropriated automatically by statute to match 10% of the federal capitalization grant.

10. Other-The Wyoming Legislature has periodically appropriated funds from the water development accounts to fund the operation of state government, special projects, and litigation. Examples include $675,000 per biennium to the state Department of Agriculture for TMDL programs and $98,000 per biennium to the State Engineer's Office for the endangered fish recovery program in the Colorado River Basin. In addition, through executive order by the Governor, the interest income to be received by the accounts was diverted to the general fund for three years, which impacted the accounts by approximately $41,284,873.

B. Water Development Account No. II

The Rehabilitation Program is funded by Water Development Account No. II [W.S. 41-2-124(a)(ii)] which receives revenues from the severance tax distribution account and the interest accrued on the account's unspent balance. Legislative approval must be granted prior to allocating water development account funds to a particular project. Income from the tax and interest and payments for outstanding loans is approximately $6,000,000 per year. The WWDC is committed to phase or delay projects to ensure its recommendations do not result in overruns of the account.

Water Development Account No. II also funds the following:

1. Small Water Projects Program-The legislature has invested $1,550,000 in the Rehabilitation component of the program.

2. Other-As of June 2013, $12,021,100 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 $30 million dollars per year.

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

The Wyoming Water Development Office encompasses three Divisions: Planning (includes 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, 2013:

	Percentage (%) of Total Expenditures		
Sector	WD Account No. I	WD Account No. II	WD Account No.III
Multi-purpose	11.2	4.7	63.5
Agriculture	11.1	43.7	30.8
Municipal	48.7	42.6	5.7
Special Districts	6.4	2.3	-
Legal	3.5	4.5	-
Non-Project	19.1	2.2	-

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

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

B. Municipalities must not only be concerned with the quantity of water they can supply for culinary, irrigation, and fire flow purposes, but must ensure that their water quality meets ever-changing EPA requirements. Further, as urban populations increase, the amount of water communities must supply for public health and welfare purposes must also increase. Municipalities need enough good quality water to meet their existing demands and the demands of the increasing number of subdivisions presently outside their corporate limits, as well as enough water to ensure future economic growth. The Wyoming Water Development Program has been responsive to the needs of Wyoming communities for the past 25 years, and while major municipal water supply projects have been funded, demands on the program for municipal purposes will continue for the next five years and beyond. The WWDC will continue to look at opportunities to develop and improve upon regional water supply systems.

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

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

D. Dam construction and rehabilitation is an important element of the Water Development Program. To date, seven new development storage projects and sixteen dam rehabilitation projects have been completed. The Buffalo Municipal project (Tie Hack Dam and Reservoir), Sheridan's Twin Lakes Dam and Reservoir, the Little Snake River Valley Dam and Reservoir project (High Savery), the Greybull Valley Irrigation District's Roach Gulch project and the Pathfinder Reservoir Modification project are the most recent projects.

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

In response to these problems, the Dam and Reservoir Division was implemented to encourage project sponsors to partner with the WWDC to construct new storage facilities. The Wyoming Water Development Commission and Legislative Select Water Oversight Committee has developed more flexible funding criteria for dam and reservoir projects in hopes of stimulating interest among water users. In order for a dam and reservoir project to be successful, water users are needed to sponsor the projects, put the stored water to use, and operate and maintain the dams.

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, 2014, there are projects with appropriations in excess of $300M in the construction phase of the Wyoming Water Development Program.

2014
LEGISLATIVE
PROGRAM

CHAPTER 2 - 2014 LEGISLATIVE PROGRAM

I. Program Development Process

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

A. New Applications - The deadline for new project applications is the fifteenth of August. Upon receipt, new applications and supporting documentation are reviewed, and project sites are visited.

B. Existing Projects - Applications for continued funding of an existing project must be submitted on or before the first of October. Project reports are reviewed to determine whether the projects warrant advancement in the program.

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

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

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

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

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

H. Select Water Committee - The committee is comprised of 6 senators and 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. 2014 Funding Recommendations:

Summary-2014 Omnibus Water Bill-Planning

Level I Projects-New Development	Location	WDA I	WDA II	WDA III
Buffalo Master Plan	Johnson	$ 190,000		
Deaver Master Plan	Big Horn	$ 125,000		
Greybull Tank and Master Plan	Big Horn	$ 200,000		
Laramie Master Plan	Albany	$ 250,000		
Medicine Bow River Watershed Study	Albany/Carbon	$ 375,000		
Meeteetse Master Plan	Park	$ 125,000		
Moorcroft Master Plan	Crook	$ 135,000		
Platte River Basin Plan Update	Platte River Basin	$ 350,000		
Thermopolis Master Plan	Hot Springs	$ 135,000		
Upper North Platte Watershed Study	Carbon	$ 375,000		
Statewide Water Research	Statewide	$ 319,000		
Subtotal		$ 2,579,000		

Level II Projects-New Development	Location	WDA I	WDA II	WDA III
Indian Paintbrush Water Supply	Teton	$ 200,000		
Means First Extension Master Plan/Gillette Regional Connection	Campbell	$ 120,000		
Midvale Irrigation District Hydropower Study	Fremont	$ 150,000		
Pinedale Hydropower Study	Sublette	$ 125,000		
South Big Horn County Rural Water District Expansion	Big Horn	$ 100,000		
Sundance Water System Feasibility Study	Crook	$ 183,000		
Weather Modification Study – Wyoming Range	Lincoln/Sublette	$ 200,000		
Subtotal		$ 1,078,000		

Level I Projects-Rehabilitation	Location	WDA I	WDA II	WDA III
Bench Canal Company Master Plan	Big Horn		$170,000	
Willwood Irrigation District Master Plan	Park		$160,000	
Subtotal			$330,000	

Level II Projects-Rehabilitation	Location	WDA I	WDA II	WDA III
Cokeville Tri-Diversion Rehabilitation	Lincoln		$100,000	
Lower Clear Creek Irrigation District-Leiter Ditch	Sheridan		$100,000	
Piney Cruse Diversion	Sheridan		$ 75,000	
Subtotal			$275,000	

Summary-2014 Omnibus Water Bill-Planning (continued)

Level II Projects-Dams and Reservoirs	Location	WDA I	WDA II	WDA III
Big Wind River Storage Study	Fremont			$ 350,000
Cottonwood/Grass Creek Watershed Project	Hot Springs			$ 101,000
Little Wind River Storage Study	Fremont			$ 350,000
Middle Piney Dam Reservoir	Sublette			$ 300,000
Nowood River Storage	Big Horn/Washakie			$ 225,000
Shell Valley Storage	Big Horn			$ 150,000
Viva Naughton Enlargement	Lincoln			$ 375,000
Subtotal				$ 1,851,000

General	Location	WDA I	WDA II	WDA III
UW Office of Water Programs	Statewide	$ 175,000		
Osmond Pipeline Master Plan	Lincoln	($ 75,000)		

Total	**$3,757,000**	**$605,000**	**$1,851,000**

Summary-2014 Omnibus Water Bill-Construction

Level III Projects - New Development	Location	WDA I	WDA II	Terms
Antelope Valley Regional Connection	Campbell	$ 201,000		67G
Casper Zone 3 Improvements	Natrona	$ 3,685,000		67G
Cheyenne Southern Pipeline – Phase III	Laramie	$ 1,206,000		67G
Eastern Shoshone Boulder Flats Well Field	Fremont	$ 804,000		67G
Glenrock Transmission Pipeline	Converse	$ 381,900		67G
Laramie North Side Tank	Albany	$ 1,200,000		67G/33L/4/30
Manville Well Connection	Niobrara	$ 490,000		67G/33L/4/30
Pine Bluffs North Well Field	Laramie	$ 2,300,000		67G/33L/4/10
Weather Modification Wind River Mountains	Fremont/ Sublette	$ 240,000		
Subtotal		$ 10,507,900		

Level III Projects - Rehabilitation	Location	WDA I	WDA II	Terms
Central Wyoming Regional Elevated Tank	Natrona		$ 1,648,200	67G
Lakeview Irrigation District Rehab 2014	Park		$ 154,770	67G
Lovell Canal Rehabilitation 2014	Big Horn/Park		$ 889,000	Materials Grant
Medicine Bow Transmission Pipeline	Carbon		$ 1,052,000	67G
Piney & Cruse Canal Piping	Sheridan		$ 855,000	67G/33L/4/30
Riverton Valley Rehabilitation 2014	Fremont		$ 136,680	67G
Rock River Transmission Line Replacement	Albany		$ 1,159,100	67G
State Line Canal Diversion	Carbon		$ 750,000	67G/33L/4/30
Sidon Irrigation District Rehab 2014	Big Horn/Park		$ 109,000	Materials Grant
Wilwood Irrigation District Rehab 2014	Big Horn/Park		$ 164,000	Materials Grant
Subtotal			$ 6,917,750	

Amendments to Prior Appropriations	Location	WDA I	WDA II	Terms
Small Water Development Projects	Statewide	$ 600,000		50G
Small Water Development Projects	Statewide		$ 300,000	50G
Heart Mountain Rehabilitation 2010	Park		$ 325,000	Materials Grant
Big Horn Regional Well Connection	Big Horn	$ 1,447,200		67G
Gillette Regional Extensions	Campbell	$ 234,500		67G
Pavillion East Water Supply	Fremont	$ 150,000		
Rolling Hills Water Supply	Converse	$ 1,184,000		67G
Sheridan North Loop Transmission Line	Sheridan	$ 148,000		67G
Austin-Wall Canal Rehab-Phase I	Uinta		$ 850,000	50G
Subtotal		$3,613,700	$ 1,475,000	

Total **$14,271,600** **$8,392,750**

III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2014 Legislative Session.

Water Development Account I
Preliminary Fiscal Projections as of 8/1/2013

Revenues	
General Fund	120,600,000
Governor's Diversion 7/1/09	(3,000,000)
Budget Reserve	70,000,000
Taxes	594,423,441
Interest	211,124,226
UST Repayment	2,500,000
Coal Bonus	4,840,305
Loans/Interest	97,436,811
Other	1,815,637
Total Revenues	1,099,740,420
Expenditures	
Transfer to Water Account III	(54,070,000)
Transfer to Debt Service Accounts	(3,763,498)
Program Expenditures	(930,032,459)
Total Expenditures	(987,865,957)
Cash Balance 6/30/13	111,874,463
Outstanding Commitments 7/1/13	
Active Appropriations	(187,655,685)
Paid Appropriations	74,742,170
Total Commitments 7/1/13	(112,913,515)
Uncommitted Balance 7/1/13	(1,039,051)
FY14 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total FY14 Anticipated Revenues	27,300,000
FY15 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total FY15 Anticipated Revenues	27,300,000
FY16 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total FY16 Anticipated Revenues	27,300,000
Subtotal Anticipated Revenues	81,900,000
Balance	**80,860,949**

Water Development Account II
Preliminary Fiscal Projections as of 8/1/2013

Revenues	
Taxes	140,619,630
Interest	47,014,771
Federal Mineral Royalty	5,000,000
Budget Reserve	12,000,000
Loans/Interest	45,654,140
Other	185,032
Total Revenues	250,473,573
Expenditures	
Total Expenditures	(226,251,897)
Cash Balance 6/30/13	24,221,675
Outstanding Commitments 7/1/13	
Active Appropriations	(53,667,690)
Paid Appropriations	29,188,077
Total Commitments 7/1/13	(24,479,613)
Uncommitted Balance 7/1/13	(257,938)
FY14 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total FY14 Anticipated Revenues	6,100,000
FY15 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total FY15 Anticipated Revenues	6,100,000
FY16 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total FY16 Anticipated Revenues	6,100,000
Subtotal Anticipated Revenues	18,300,000
Balance	**18,042,062**

Water Development Account III
Preliminary Fiscal Projections as of 8/1/2013

Revenues	
Budget Reserve	82,543,656
Governor's Diversion 7/1/09	(22,250,000)
Transfer from Water Development Account I	54,070,000
Taxes	6,201,037
Interest	43,931,544
Total Revenues	164,496,236
Expenditures	
Total Expenditures	(14,216,507)
Cash Balance 6/30/13	150,279,730
Outstanding Commitments 7/1/13	
Active Appropriations	(23,092,000)
Active Appropriations - Gillette Madison	(16,415,000)
Paid Appropriations	11,265,323
Total Commitments 7/1/13	(28,241,677)
Uncommitted Balance 7/1/13	122,038,053
FY14 Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total FY14 Anticipated Revenues	3,000,000
FY15 Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total FY15 Anticipated Revenues	3,000,000
FY16 Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total FY16 Anticipated Revenues	3,000,000
Subtotal Anticipated Revenues	9,000,000
Balance	**131,038,053**

IV. 2015 Projections

The Wyoming Water Development Commission bases its funding recommendations on the anticipated income into each water development account that will be available each biennium and with the knowledge that requests for funding will likely exceed available funds. Therefore, the WWDC will phase construction funding requests to ensure the account balances will not be exceeded and there will be sufficient funding for upcoming legislative sessions. The following table depicts the funding that should be available to each account for the 2015 Session.

Water Development Account I

Available 2014 Session		$80,860,949
Non-Project Appropriations		
Agency Budget	$8,017,462	
DOA-Water Quality	675,000	
SEO-CO River E.S.	97,992	
DWSRF	1,640,000	
Deduct: Non-Project Appropriations		$10,430,454
Subtotal		$70,430,495
2014 Omnibus Water Bills		
Planning	$ 3,757,000	
Construction	$14,271,600	
Deduct: Omnibus Water Bills		$18,028,600
Subtotal		$52,401,895
Add: Anticipated 2014 Reversions		$ 2,000,000
Available 2015 Session		**$54,401,895**

Water Development Account II

Available 2014 Session		$18,042,062
2014 Omnibus Water Bills		
Planning	$ 605,000	
Construction	8,392,750	
Deduct: Omnibus Water Bills		$ 8,997,750
Subtotal		$ 9,044,312
Add: Anticipated 2014 Reversions		$ 500,000
Available 2015 Session		**$ 9,544,312**

Water Development Account III

Available 2014 Session	$131,038,053
Deduct: Omnibus Water Bill Planning	1,851,000
Available 2015 Session	**$129,187,053**

The following table attempts to predict funding requests for the 2015 or later Legislative Sessions:

Water Development Account I		
Phased Projects-Priorities		
Cheyenne Southern Pipeline – Phase III	26,000,000	
Douglas Box Elder Spring-Phase II	10,207,500	
Total Phased Projects		$36,207,500
Other Potential Projects		
Basin Planning	$ 250,000	
Watershed Studies	600,000	
Cambria/Sweetwater	1,500,000	
Cheyenne Belvoir Well Field	10,000,000	
Cody Tank	2,000,000	
Gillette Regional Extensions	50,000,000	
Hanna Transmission	250,000	
Jamestown Rio Vista	2,500,000	
Kemmerer/Diamondville	1,500,000	
Lance Creek Tank	100,000	
Lucerne Water Supply	1,500,000	
Pine Haven Tank and Well	1,400,000	
Riverton Pump Station Increase	2,000,000	
Squaw Creek Water Supply	850,000	
Total Other Potential		$ 74,450,000
Grand Total WDA I		**$110,657,500**
Water Development Account II		
Phased Projects-Priorities		
Austin-Wall Canals	$ 600,000	
Big Horn Canal Siphon	3,000,000	
Casper Alcova Irrigation District	500,000	
Cody Canal Irrigation District	500,000	
Deaver Irrigation District	800,000	
Eden Valley Farson Lateral	2,500,000	
Goshen Irrigation District	1,000,000	
Heart Mountain Irrigation District	4,000,000	
Midvale Irrigation District	500,000	
Shoshone Irrigation District	900,000	
Wheatland Irrigation District	500,000	
Willwood Irrigation District	800,000	
Total Phased Projects		$15,600,000
Other Potential Projects		
Austin Wall Reservoir Rehabilitation	$ 500,000	
Bull Lake Creek Dam Spillway	4,000,000	
Guernsey Dam North Spillway Gate Refurbished	550,000	
Keystone-Farmers	1,000,000	
Little Snake Canals	500,000	
Wind River Irrigation	3,000,000	
Total Other Potential		$ 9,550,000
Grand Total WDA II		**$25,150,000**

Water Development Account III

There are twelve (12) dam and reservoir projects under consideration.

Big Sandy Enlargement	$25,000,000	
Clear Creek Storage	80,000,000	
Cottonwood/Grass Creek Storage	19,000,000	
Middle Piney Reservoir	4,000,000	
Meadowlark Lake Enlargement	15,000,000	
Alkali Creek Dam	15,000,000	
Leavitt Reservoir	45,000,000	
Park Reservoir (Purchase existing storage capacity)	10,000,000	
Sawmill Reservoir (Purchase existing storage capacity)	13,000,000	
Sublette Creek Reservoir	23,000,000	
Viva Naughton Enlargement	9,000,000	
West Fork Reservoir	80,000,000	
Grand Total WDA III		**$338,000,000**

ACTIVE PROJECT REPORTS

CHAPTER 3 – ACTIVE PROJECTS

1. PROJECT: 33 Mile Pump Station

LEVEL: III
SPONSOR: 33 Mile Road Improvement & Service District
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	82	1998	I	$ 18,000	2000
Level II	81	1999	I	$ 50,000	2000
Level III	96	2000	I	$1,044,486*	2004
Level III	63	2011	I	$ 125,960**	2016

*60% grant, **67% grant

PROJECT INFORMATION:
The 33 Mile Road Improvement & Service District is served by the Central Wyoming Regional Water System as a wholesale customer and was encountering operating pressures below the minimum WDEQ operating requirement of 35 pounds per square inch over a portion of their service area. The operators of the system sought a resolution to the problem through 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 located along Enberg Road. The newly installed pumping station consists of three pumps with variable frequency drives: one small pumps to meet the day-to-day demands in this portion of the system and two larger pumps for higher demand times, flushing and emergency flows. The District has placed a moratorium on new connections to the system that will now be evaluated on a case-by-case basis to determine the effects to the system.

In 2011, the District received a Level III New Development project with an appropriation of $125,960 (67% grant). The District used its maintenance account funds for the remaining 33% of project costs.

The District secured the services of an engineering firm for the design and construction oversight portions of the project. Construction was completed by Coleman Construction in Casper, WY in the fall of 2013 and the project will be closed-out in early 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

2. PROJECT: Antelope Valley Regional Connection

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	I	$500,000*	2013

* This project included 5 different districts.

PROJECT INFORMATION:
Antelope Valley ISD recently completed a Level II study to assess the condition of their water system and to provide a conceptual level design and cost estimate for their connection to the Gillette Regional Water System. The Level II report recommended the following items for Level III funding.

- Connect to the Gillette Regional System
- Construct a blending vault to blend well water with regional system water
- Complete recommended changes to the chlorination system
- Modify the storage tank transmission piping as recommended in the Level II report

The estimated cost to complete the recommended items is $300,000. The sponsor is requesting a 67% grant of $201,000. They are proposing to provide the remaining $99,000 from other funding sources. For more information on the Gillette Regional System please refer to the Gillette Regional Connections or the Gillette Regional Extension Projects.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Antelope Valley Connection Project be incorporated into the New Development Program at Level III status with an appropriation of $201,000. The appropriation provides a 67% grant for the construction of WWDC eligible project components. The sponsor is responsible for the remaining Level III budget.

3. PROJECT: Arapahoe Water Supply

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

EXISTING LEGISLATION:

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

*67% grant, 33% sponsor

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

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

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

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

The sponsor secured 33% of the project budget from the Department of Energy in mid-2011. The project agreements were completed and design started in early 2012. The project design was completed and bidding occurred mid-2013. The project is scheduled to be completed by June 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

4. PROJECT: Austin and Wall Rehabilitation

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$110,000	2010
Level II	32	2010	II	$400,000	2012
Level II	57	2012	II	$150,000	2013

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 that the two canal systems are experiencing significant water losses. The Wall Dam, which stores 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 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. SCP construction funding 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 proposed subsidy from the WWDC would exceed two times the Program's previous investment per acre on similar projects. The request for $2,000,000 per year for six years from the Rehabilitation Program with an annual income of $6M would impair the WWDC's capability to invest in other needed projects.

As a result of the budget impact to the Rehabilitation Program account, the WWDC requested the District to focus 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 have identified several canal sections where major leaking was identified. The District is now requesting $1,600,000 WWDC construction funding for the repair of those leaking canal sections with the funding spread out over three years of appropriations. WWDC funding is proposed to be matched with $1,350,000 U.S. Bureau of

Reclamation's Salinity Control Program monies. The funding schedule request is for $150,000 in 2013 for design and permitting followed by $850,000 for construction in 2014 and $600,000 for construction in 2015.

This planning project was completed this year and a final report was received.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

5. PROJECT: Austin-Wall Canal Rehabilitation Phase I

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$110,000	2010
Level II	32	2010	II	$400,000	2012
Level II	57	2012	II	$150,000	2013
Level III	141	2013	II	$150,000*	2017

* 50% Grant

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

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

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

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

In 2013, the WWDC recommended this project be advanced to Level III status in the Rehabilitation Program with an appropriation of $150,000 for design and permitting. The financing plan provides a 50% grant, which would be matched with a 50% SCP grant.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending this project be advanced to Level III status in the Rehabilitation Program with an additional appropriation of $850,000. The proposed financing plan provides a 50% grant, with an SCP matching grant.

6. PROJECT: Austin-Wall Reservoir Rehabilitation

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$110,000	2010
Level II	32	2010	II	$388,680	2012
Level II	57	2012	II	$150,000	2013

PROJECT INFORMATION:
The project is located near Fort Bridger, Uinta County. This project was originally studied and funded under the Austin Wall Canals and Reservoir Rehabilitation Study contract. Blacks Fork of the Green River is the water supply for the Austin Wall Irrigation District (District). Blacks Fork water is diverted into the Wall Reservoir and from there is released into the Wall Canal System. The Wall Reservoir is owned and operated by the District. Water stored in the Wall Reservoir is needed to supply late season water to the Wall Canal for irrigation. The 870 acre-feet capacity Wall Reservoir has been unable to function as intended for many years and the District wishes to repair the reservoir to allow it to store water to its original capacity. The requested study will also look at the feasibility of enlarging the existing reservoir site.

In 2013 the Legislature approved an appropriation of $280,000 to fund a Level II study. The study is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

7. PROJECT: Badwater-Poison Creek Watershed Study

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$250,000.00	2015

PROJECT INFORMATION:
The Lower Wind River Conservation District requested a watershed study to evaluate storage opportunities, current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. This information would provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans will be included.

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

This study 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 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

8. PROJECT: Basin-Big Horn Canal

LEVEL	II
SPONSOR	Town of Basin
LOCATION	Big Horn County
PROGRAM	Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	II	$150,000	2013

PROJECT INFORMATION:
The Town of Basin is the county seat of Big Horn County; located on the eastern margin of the Big Horn Basin of NW Wyoming; situated on a terrace bench above the east banks of the Big Horn River; and accessed via US HWY 16-20, State HWY 30, and the B.N. & S.F railroad line. With a recently constructed storage tank and regional connection to the Big Horn Regional Water System, the Town is positioned for a master plan.

The Town sought WWDC assistance for (1) a water system master plan and (2) a feasibility study to develop solutions to the Town's high groundwater-table problems created by seepage from the Big Horn Canal that flows along the west edge of the community. A 1990 WWDC study (Basin/Big Horn Rehabilitation Project, Level II) on the canal seepage problem required up-dating since raw water system storage and distribution was installed. Seepage prevention and drain system expansion will alleviate annual Town expenditures to deal with flooding, street/alley surface repairs, and drying up boggy areas in the city limits. Ten (10) ground water-level observation wells were installed in November 2012 to monitor water table fluctuations over the 2013 irrigation season. The Level II study is scheduled for completion by late-2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

9. PROJECT: Bear River Basin Groundwater Analysis

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
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.

Groundwater is an important resource in the Bear River Basin. The Bear River Basin Plan was completed in 2001 and is now being updated by the WWDO River Basin Planning Team. The groundwater analysis is needed to define the groundwater resources in the basin and their potential for development. The study will identify the aquifers present, extent of the aquifers, recharge areas, water quantity and quality, and estimate safe yields. This will be an important tool considering the key role groundwater could play in future development within the basin. This project is being conducted by the Wyoming State Geological Survey in association with the U.S. Geological Survey and the Water Resources Data System (WRDS). This project should be completed in early 2014.

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

10. PROJECT: Bear River Hydrology Model

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$50,000	2014

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

As part of the data acquisition and analysis process, a decision support system (DSS) feasibility study was conducted. A DSS is a system of hydrology models, tools and data that allow better estimation of water resources available for use and better methods for establishing where water surpluses and shortages occur. The DSS feasibility study focused on the Green River Basin but indicated that the system should be established for the entire state. The DSS will be a cooperative effort between the State Engineer's Office (SEO) and the Water Development Office (WWDO). The SEO is developing the databases and data necessary for a DSS. The WWDO will develop the simulation model and modeling tools necessary to make projections and estimates of water surpluses and shortages.

The Bear River Basin has been selected as the first basin for model development, because appropriated data sets are available and initial simulation modeling efforts have been completed. Developing the model from an existing structure and using existing data sets will be an advantage and help in the model protocol and data needs for other basins within Wyoming. The model is currently being developed in-house with the assistance of a consultant that provides technical support. Progress thus far primarily includes mapping the extent of the model, acquisition and digitization of historic data and water rights, development of DSS files, and creation of the basin model schematic.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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 LEGISLATION:

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

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

The Belle Fourche River watershed, located primarily in Crook and Campbell County, covers approximately 1,600,000 acres. Land ownership in the watershed is predominately private (~70%), Federal (~20%) and state (~10%). The Belle Fourche River watershed includes the primary stream system of the Belle Fourche River and numerous tributaries including Redwater River, Beaver Creek, Hay Creek, Kara Creek, and Oak Creek. Keyhole Dam and Reservoir is a Bureau of Reclamation storage facility located on the main stem of the Belle Fourche River.
The final report is expected in 2014.

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 LEGISLATION:
None

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 would evaluate 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 would benefit from a system inventory, assessment, and plan that would prioritize needed improvements and help them prepare for future construction and financing. This study would allow the company to take a proactive approach toward implementing rehabilitation or replacement of its existing features and help prepare for future financing.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level I status with an appropriation of $170,000.

13. PROJECT: Big Horn Canal Rehabilitation 2012

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

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

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

The Fifteen Mile Creek facilities are in design and are anticipated to be constructed in the winter of 2013-2014 with available funds. The sponsor chose not to request additional funding in the fall of 2013 for the wasteway-check-drop structure and an inverted siphon to cross Five Mile Creek. Construction for this sponsor will be publically advertised, competitively bid, and constructed by a contractor. The project is anticipated to be completed prior to the 2014 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

14. PROJECT: Big Horn Regional Well Connection

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	36	2000	I	$ 160,000	2002
Level II	86	2001	I	$ 670,000	2002
Level II	7	2002	I	$ 675,000	2004
Level III	118	2004	I	$13,628,500	2012
Level II	75	2005	I	$ 1,500,000	2010
Level II	66	2009	I	$ 850,000	2010
Level III	121	2007	I	$ 4,710,000	2014
Level III	14	2012	I	$ 4,730,200	2017

PROJECT INFORMATION:
The BHRJPB provides rural domestic water through a regional system that serves Big Horn, Washakie, and Hot Springs Counties, including the Town of Greybull, Town of Basin, Town of Manderson, and the City of Worland. A WWDC Level II test well (BHRJPB No. 2 Well, Permit No. U.W. 191378) was drilled 6 miles east of Greybull, Wyoming to a depth of 3,020 feet and completed November-December of 2009, acid-frac enhanced April 2010, and flow tested May 2010. The well flows artesian at 1,200 gallons per minute from the Madison Group aquifer. All water quality parameters meet EPA safe drinking water standards.

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

Project agreements are complete and the sponsor began design in 2012. The design will be completed in early 2014. During design it was determined that the funding for the project was insufficient and additional funding is being sought from the WWDC and DWSRF programs. The increase in costs is due to poor soils encountered during the design. After all of the funding is approved, the construction will begin in mid-2014 and be completed by the end of 2015.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III grant appropriation by $1,447,200, from $4,730,200 to $6,177,400. The financing plan will remain a 67% grant to be used for design, permitting, and construction. The sponsor is responsible for the remainder of the project costs and is currently seeking the funding from the DWSRF.

15. PROJECT: Big Sandy Enlargement

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

EXISTING LEGISLATION:

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

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

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

The WWDC received funds during the 2011 General Session to advance the project to a Level II study status. A major focus of the study has been to identify water savings due to conservation measures that have been recently implemented to determine whether water shortages still exist (in light of the basin's hydrology) and to size a potential increase in storage (from a federal purpose

and need perspective). Funds have also been used to complete a fatal flaw analysis to determine if there are any environmental or institutional requirements that may prohibit pursuing the project. It has been determined that permanently enlarging Big Sandy Reservoir by approximately 5 feet, which Reclamation determined could be hydrologically supported, would impact a significant acreage of wetlands. If, after a NEPA mandated alternatives analysis, a Big Sandy enlargement was considered the least environmentally damaging practical alternative, finding locations for mitigation would most likely be operationally and cost prohibitive. In addition, a Sage Grouse Density and Disturbance Calculation Tool (DDCT) analysis has been completed and the proposed enlargement would not be in compliance with the Governor's Executive Order because total surface disturbance (6.35%) is greater than the 5% threshold. Even without the new disturbance, the area of existing disturbance in the DDCT analysis area (5.91%) is above the 5% threshold. Lastly, the potential to generate hydroelectric power has been studied and determined not to be cost effective.

Considering the environmental impacts of a permanent raise, work has been shifted to analyzing spillway raises on Big Sandy and Eden Reservoirs and water management within the system. If temporary inundation with a spillway raise can be proven not to adversely impact wetlands and/or sage grouse habitat, there is potential to make improvements to the Eden Project. Improvements to Eden Canal between Big Sandy and Eden Reservoirs are also part of this analysis as it is a crucial component in providing operational flexibility. Additional funds from the 2011 appropriation have been added to the existing engineering contract to study wetland plant inundation durations and tolerances, further model system hydrology/water management and analyze irrigation turnouts in the system which may be affected by potential management changes.

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. Based on the results of the value planning study, two appraisal-level alternatives will be developed to include figures, quantities and cost estimates, and associated risks will be estimated.

Considering the preliminary results of Reclamation's analysis, the feasibility of enlarging Big Sandy Reservoir revolves around ensuring existing wetlands and Sage-Grouse habitat can be maintained and/or enhanced.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

16. PROJECT: Big Wind River Storage Study

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	68	2010	I	$ 385,250	2017
Level III	118	2004	II	$3,500,000	2015
Level III	68	2010	I	$2,130,000	2015
Level II	1	2011	I	$ 275,000	2014

PROJECT INFORMATION:
The Eastern Shoshone and Northern Arapaho Tribes request the Water Development Commission undertake a Level II, Phase I analysis of the potential to construct storage in the Big Wind River Basin upstream of Boysen Reservoir. The goal is to construct a minimum of one dam and reservoir complex in the basin.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Legislature appropriate $350,000 from Water Development Account III during the 2014 Legislative Session to finance the Level II, Phase I Study.

17. PROJECT: Blacks Fork River Watershed Study

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

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

The Blacks Fork watershed located north and east of Evanston in Uinta County, Lincoln County, and Sweetwater County, covers approximately 2,300,000 acres. Approximate land ownership in the watershed is divided among federal (25%), private (60%) and state (15%). The Blacks Fork River watershed includes three primary stream systems, the Blacks Fork River, the Smiths Fork River, and the Hams Fork River. Also within this study area, largely in Sweetwater County, is an extensive upland private and BLM "checkerboard" called the Granger Lease. The final report is expected in 2014.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

18. PROJECT: Boulder Flats Water Supply

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

Existing Legislation:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	I	$850,000	2006
Level II	99	2006	I	$600,000	2008
Level III	121	2007	I	$824,000*	2012
Level II	1	2011	I	$275,000	2014

* 67% grant and $87,000 loan

PROJECT INFORMATION:

Boulder Flats is a rural area on the Wind River Indian Reservation north of Lander along US HWY 287, just inside the southern reservation boundary delineated by the North Popo Agie River. Rural domestic and commercial (Shoshone Rose casino complex) water users of Boulder Flats are a subsystem of the Shoshone Utility Organization via a 6-mile transmission pipeline running southeast from the community of Fort Washakie. The 6-inch transmission line is undersized for present and future water demands and places users at risk in case of pipeline failures. The planning project study is scoped to explore the potential for a new alluvial groundwater water supply and, if feasible, develop a well field on the north-side floodplain alluvial deposits of the North Popo Agie River. The additional supply would alleviate shortages, establish a redundant source supply, and provide for future needs in the area.

Multiple test holes were drilled in 2011 and 2012 and a production-size well was drilled in late 2012. The alluvial aquifer testing program continued in 2013 with a pump test and multiple MPA (micro-particulate analysis) sampling to determine influence with channel flows. The analyses concluded that a well field was feasible as a supplemental public water source supply option. The final Level II report is expected in late 2013.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action at this time.

19. PROJECT: Buffalo Master Plan

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

EXISTING LEGISLATION:
None

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 has 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated in the New Development Program at Level I with an appropriation of $190,000.

20. PROJECT: Buffalo Northwest Pipeline

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

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

PROJECT INFORMATION:
Johnson County Airport and surrounding areas are presently served by individual wells. The water in these wells does not meet drinking water standards. Potable water is hauled from the City of Buffalo. In addition, the area north of the City of Buffalo between French Creek Road and the Interstate-90 corridor is rapidly 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 additional funding from WWDC for the bidding and construction of the project. The City received an additional $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 is anticipated to begin in-early 2014.

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

21. PROJECT: Buffalo Pipeline

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

EXISTING LEGISLATION:

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

*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 Master Plan recommended an additional transmission line between the existing water treatment plant and the municipal limits of town. The water treatment plant can provide 6 MGD but the existing transmission line has a capacity of less than 4 MGD. The additional transmission line will provide

the ability to deliver 6 MGD to the Town, provide additional capacity to accommodate future growth, and provide redundancy to the water supply.

In 2010, the Town of Buffalo received a Level III New Development project with an appropriation of $1,182,000 (67% grant and 33% loan).

In 2012, the Town's engineer completed the design of the project and the project was successfully bid and awarded. The project was constructed during 2012 and completed during 2013. The transmission pipeline has been in use and functions as intended. The remaining project funds have been reverted to the WWDC, the project loan has been initiated and the project has been closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

22. PROJECT: Buffalo South Loop Pipeline

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

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

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

In 2013, the City secured the services of and engineer, initiated the design process, and has started securing the necessary project easements. The project is anticipated to finalize the design process in-mid 2014 with bidding and construction to follow.

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

23. **PROJECT:** **Burns Storage Tank**
LEVEL: III
SPONSOR: Town of Burns
LOCATION: Laramie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$ 85,000	2010
Level III	68	2010	I	$930,000*	2015

*67% grant, 33% loan

PROJECT INFORMATION:
The 2009 Level I master plan recommended that the Town of Burns needs additional water storage to meet existing and projected demands for peak-day and fire-flow requirements. The Town of Burns water system serves the estimated 312 people living in the town, the new elementary school, and the adjacent area. The Town is supplied with groundwater from four wells completed into the Miocene Arikaree Formation. The primary factor which is affecting the Town is the growth occurring at the elementary, junior high, and senior high schools. It is anticipated that school enrollment will continue to increase at an accelerated rate given the enrollment area extends to the eastern edge of the City of Cheyenne. The growth of the school population can significantly affect storage requirements associated with peak-day usage and fire-flow demands.

Based on the master plan recommendations, the Town received a Level III project funding request of $930,000 (67% grant, 33% loan) for the design and construction of an additional 200,000 gallon elevated storage tank and necessary appurtenances.

The Town's engineer completed the design in 2011 and the project received favorable bids. In 2012, construction of the new storage tank was completed and the tank was put into service. The project was finalized in early-2013. The storage tank has been in use and functions as intended. The remaining project funds have been reverted to the WWDC, the project loan has been initiated and the project appropriation has been closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

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

The WWDC recommended that the Burns Well Connection Level III appropriation be approved. 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 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

25. PROJECT: Casper Alcova Rehabilitation 2010

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

EXISTING LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
Subsequent to the Casper Alcova Irrigation District (CAID) Master Plan and GIS study, the CAID requested funding to replace a portion of Lateral 210 and 210-50 with a buried pipeline. There are approximately 1,213 irrigated acres dependent upon these lateral segments for water. The sponsor requested 67% grant funding from WWDC to match with its own funds to publically bid and contract the work with a contractor for construction of the project. The funding financed eligible project costs including design, construction engineering, land rights, permitting, and construction.

The construction is complete and the project will be closed out near the beginning of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

26. PROJECT: Casper Poplar Transmission Pipeline

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

EXISTING LEGISLATION:

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

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

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

27. PROJECT: Casper Raw Water Supply II

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

EXISTING LEGISLATION:

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

In September 2003, the City of Casper submitted an application for a Raw Water Irrigation project to serve the North Casper Soccer Complex. Funding for this project was approved by the 2004 Legislature. Water is pumped from the North Platte River through a 12-inch PVC pipeline to a slow sand filtration pond. The slow sand filtration pond removes suspended solids that could potentially plug the sprinkler heads at the soccer complex. Water collected from the slow sand filtration under drain system is pumped to the soccer complex to irrigate the grass fields. This project irrigates 40 acres of land at the complex. Construction was completed in 2007.

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

The City requested a 67% Grant for the engineering design, permitting, legal fees, construction administration and construction of the project. This project will expand the existing raw water irrigation system and reduce the demand of the public water system and water treatment plant.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

28. PROJECT: Casper Zone 3 Improvements

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	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:
This project is part of Casper's efforts to systematically improve its water supply system in accordance with the 2006 Level I Casper Water Master Plan. This project involves adding a new booster station, a new 400,000 gallon water storage tank and approximately 19,700 feet of 16-inch pipe to provide additional capacity to the system as well as redundancy to the eastern portion of the service area. The booster station, tank and pipeline construction were specifically identified in the master plan.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III funding with an appropriation of $3,685,000. 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.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	121	2007	I	$3,200,000*	2012
Level III	68	2010	I	$ 663,300*	2015
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 new water storage tank to replace a 35 year old water storage tank at higher elevation to provide proper water pressure as recommended in the 2006 Water Master Plan.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III funding with an appropriation of $1,648,200. 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.

30. **PROJECT:** **Central Wyoming Regional-Zone IIB**
LEVEL: III
SPONSOR: Central Wyoming Regional Water System JPB
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 200,000	2007
Level III	121	2007	I	$3,200,000*	2012
Level III	68	2010	I	$ 663,300*	2015
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 would be constructed in Amoco Road from Bryan Stock Trail to North Poplar Street. The booster pump station would be constructed near Bryan Stock Trail. The transmission pipeline and water booster station would service existing Regional water system zone IIB wholesale customers with system redundancy able to handle peak flow demands, fire flows, adequate pressure, and future growth.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

31. PROJECT: Cheyenne Southern Pipeline

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

EXISTING LEGISLATION:

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

* 67% grant only

PROJECT INFORMATION:
In 2003, the City of Cheyenne completed a Water and Wastewater Master Plan to outline system improvements that are needed for reliable and adequate water services for 10 to 50 years in the future (2012 through 2052). The master plan also provided a 10-year capital improvement and financing plan. Included in the recommended improvements was the need to construct a Southern Water Transmission Line (42"/40") from the storage reservoirs at the Sherard Water Treatment plant west of Cheyenne on Happy Jack Road to and across areas on the southern portion of Cheyenne.

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

Phase II of the Southern Water Transmission Project includes 11.5 miles of transmission main ranging in size from 42-inch to 12-inch. The Phase II route extends 3 miles south from the end of the Phase I project, then approximately 4 miles east crossing Interstate I-25 ending at Walterscheid Blvd. Water lines would also extend 2.5 miles north on Parsley Blvd. and 2 miles

north on Walterscheid Blvd. to Fox Farm Rd. Extensions along Parsley and Walterscheid Boulevards would be to loop the Southern Water Transmission Main into the City's water system near the Downtown. The project design was completed in December of 2012 with a bid opening in March 2013. The transmission portion of the project is currently under construction and will be completed mid-summer 2014.

The bids for the Phase II transmission lines came in lower than expected and the City has 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends adding the pump station and needed appurtenances to the 2013 appropriation project description. The recommended legislative action does not include a funding construction. The sponsor is responsible for the remainder of the project costs.

32. **PROJECT:** **Cheyenne Southern Pipeline Phase III**
LEVEL: New Application (Level III)
SPONSOR: City of Cheyenne – Board of Public Utilities
LOCATION: Laramie County
PROGRAM: New Development

EXISTING LEGISLATION:

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

* 67% grant 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.

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.

This proposed Phase III of the Southern Water Transmission Project would construct 6.1 miles of water main ranging in size from 36 – inch to 12 – inch. Phase III would begin where the Phase II pipeline ends, continue east along the Wallick Road alignment as a 36 – inch pipeline. The proposed pipeline would 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III-Phase I status with an appropriation of $1,206,000. This will be a grant for 67% of the costs for design, permitting, and land acquisition with 33% of these costs being provided by the City.

33. PROJECT: Clear Creek Storage

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

EXISTING LEGISLATION:

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

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

Landowners within the Clear Creek watershed are concerned about water storage and the need to improve irrigation systems and water efficiencies within the drainage. The Lake DeSmet Conservation District (LDCD) conducted a Rapid Watershed Assessment (RWA) for the Clear

Creek drainage in 2007, and water availability was identified as the largest issue. Requests were made to both LDCD and Sheridan County Conservation District (SCCD) to partner with the Wyoming Water Development Commission to conduct a Level I Watershed Study. In addition, several irrigation interests expressed the need for assistance with evaluating irrigation infrastructure.

Several public meetings were held in 2008 to inform the community of the WWDC's watershed study process. Based on the positive response, the decision was made by LDCD and SCCD to

co-sponsor a WWDC funded study of the Clear Creek Watershed. The study kicked off in July of 2009 as a comprehensive assessment of the watershed's condition, needs and opportunities. The study provided a detailed evaluation of the watershed and incorporated available technical information describing conditions and assessments of the watershed. The project consisted of field investigations, development of a Geographic Information System (GIS), development of a prioritized list of potential water development and system rehabilitation projects, preliminary cost estimates, permitting requirements and funding opportunities. The watershed study was completed in early 2011. The storage component of this study identified evident water shortages and potential water development opportunities.

At the request of the Lake DeSmet Conservation District, a Level II Storage Feasibility Study was initiated in mid-2011 to further explore storage opportunities identified in the Clear Creek Watershed Study. The objective has been to develop and/or expand current water storage in the Clear Creek Watershed to collect the excess spring runoff and allow for controlled, consistent releases, thus providing agricultural benefits through improved management and late season irrigation, potential municipal benefits through 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 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 have allowed WWDC to identify the 11,300 acre-feet 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.

In 2013, 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. The additional study focuses primarily on hydrologic model refinement, beneficiary identification, site survey, geotechnical and environmental investigations and economics to further determine the feasibility of the preferred alternative.

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. Assuming the local community continues to support the project, the next step will be subsurface geotechnical investigation of the foundation, inundation and conveyance areas.

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.

34. PROJECT: Cody Canal Rehabilitation Projects

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$250,000	2006
Level II	33	2008	II	$200,000	2010
Level III	63	2011	II	$223,000*	2016
Level III	105	2006	II	$ 51,590**	2013
Level III	63	2011	II	$ 50,000***	2016
Level III	141	2013	II	$144,000*	2018

*67% grant, 33% loan
**Sponsor's Inflation Fund, 67% grant
***100% grant for materials. The sponsor is responsible for all other project costs.

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

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

Construction of the pipeline identified in the Cody Canal Rehabilitation 2013 Project is underway and should be completed prior to the 2014 irrigation season. The construction contract was publically advertised, bid, and awarded to the low bidder. The funding is 67% grant and 33% loan. The pipeline could be considered an extension or continuation of the Cody Canal Chute Project and its completion should reduce maintenance costs for the sponsor.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

35. PROJECT: Cody West Transmission Pipeline

LEVEL: III
SPONSOR: City of Cody
LOCATION: Park County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$100,000	2009
Level III	14	2012	I	$408,700*	2017

*67% grant

PROJECT INFORMATION:
The City of Cody's funding is based on recommendations from the 2009 Level I Cody Master Plan Study.

The main area of the City that is suffering from low pressures is the West Strip (or Yellowstone Highway), where pressures range from 52 psi to 68 psi. This area is supplied with one six-inch water line that provides inadequate pressures and fire flow demands. The Level I Master Plan outlined improvements for the area by removing and relocating pressure reducing valves and installing a parallel 10-inch PVC transmission pipeline of 3,100 feet. This appropriation is just for the installation of the parallel 10-inch pipeline.

The City of Cody is a member of the Shoshone Municipal Water Supply Joint Powers Board and receives treated water from the Shoshone Municipal Pipeline Project.

In 2012, the City of Cody received a Level III New Development project with an appropriation of $408,700 (67% grant).

During 2012, the Sponsor's engineer worked toward completing the design of the project, the necessary project easements were identified and the project moved towards a 2013 construction timeline.

In 2013, the project design was completed, the necessary project easements were secured and the necessary permits were obtained. The project received favorable bids in-early 2013 and completed construction in-mid 2013. The transmission pipeline has been put into use and works as intended. The remaining project funds have been reverted to the WWDC and the project appropriation has been closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

36. PROJECT: Cokeville Tri-Diversion Rehabilitation

LEVEL: New Application (Level II)
SPONSORS: Cokeville Watershed Improvement District
LOCATION: Lincoln County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	9	1993	II	$ 50,000	1995
Level III	59	1994	III	$160,000	1999

PROJECT INFORMATION:
The District is seeking level II funding from the WWDC for a study to obtain plans for engineering designs and construction cost estimates for the diversion. The District hopes to use

these designs to repair the structure due to the poor condition and inefficiency of the existing diversion. Two of the three canals (Spring Creek and Middle Channel) receiving water from the diversion flow through the Town of Cokeville.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending that $100,000 be authorized to investigate the feasibility of repairing/replacing the diversion.

37. PROJECT: Cottonwood/Grass Creek Watershed Project

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$300,000	2007
Level II-I	33	2008	III	$250,000	2010
Level II-II	1	2011	III	$130,000	2013
Level II-II	66	2013	III	$ 70,000	2014

PROJECT INFORMATION:
The purpose of the project is to pursue construction of one or more dam and reservoir projects that were identified in the recently completed Level I study entitled Cottonwood/Grass Creek Coordinated Resource Management (CRM). The Level I study included spreadsheet modeling of surface water flows and 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 locations for dams and reservoirs in the Grass Creek and Cottonwood drainages. The legislature appropriated $250,000 to fund a Level II, Phase I dam and reservoir study to further define storage opportunities and to conduct a more robust hydrological analysis to identify irrigation shortages. This Level II, Phase I study also included compiling a "purpose and need statement" that could be easily incorporated in a National Environmental Policy Act analysis; identification of other beneficial uses (recreational, industrial and/or environmental uses); a limited geotechnical analysis, consisting of drill holes and backhoe test pits; and an economic analysis that includes the sponsor's ability to pay.

The Level II, Phase I study has been completed. The report's analysis conducted to date favors a 5,000 acre foot expansion of Wales Reservoir over the other sites identified. The report also

identified technical, water quality, permitting issues that need further study. A Level II, Phase II study is underway and on schedule. The study will focus primarily upon water quality, hydrology, and permitting issues. Due to a severe drought in the region resulting in very low stream flows, water sampling efforts were not representative of a normal water year. The sponsor is now requesting additional funding to continue water sampling and analysis to complete the study. During this year the consultant recommended a new canal be included to deliver higher quality water to the reservoir as part of the recommended project. The study is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending that an additional $101,000 be added to the project budget to investigate the feasibility of the newly proposed canal.

38. PROJECT: Cottonwood Lake Enlargement

LEVEL: II
SPONSOR: Cottonwood Irrigation District
LOCATION: Lincoln County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The first phase of the study evaluated the potential of storing additional water in Cottonwood Lake, which is located near Smoot, Wyoming, for late season irrigation. Cottonwood Lake is a natural lake on Cottonwood Creek, and is the source of irrigation water, approximately 350 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 lake's dam to the original elevation was the most economical alternative for providing needed storage to the CID.

In 2007, the funds were appropriated to continue this Level II study. Project economics and funding mechanisms were examined. The legislature appropriated funds during their 2010 session to conduct the drilling program and the geotechnical investigation. The project work is currently underway and on schedule. Further work on the dam design and permitting remains and will be addressed once the drilling program and geotechnical analysis is completed. Due to impacts from heavy snow at the site during the spring of 2011, drilling was delayed until late fall and the final report is now due in early 2013. A final report is completed and recommended $3,700,000 to rehabilitate the reservoir. During the 2013 session the Legislature approved $3,700,000 to rehabilitate the reservoir with a 67% grant, 33% loan, 4% interest for 50 years. The sponsor is considering its construction funding options.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

39. **PROJECT:** **Cottonwood Lake Enlargement**
LEVEL: III
SPONSOR: Cottonwood Irrigation District
LOCATION: Lincoln County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Level II study evaluated the potential of storing additional water in Cottonwood Lake, which is located near Smoot, Wyoming, for late season irrigation. Cottonwood Lake is a natural lake on Cottonwood Creek, and is the source of irrigation water, approximately 350 acre feet per year, for the Cottonwood Irrigation District (CID). The Level II study has been completed and the Legislature appropriated $3,700,000 for construction in 2013.

The sponsor is considering its construction options; no Agreement has been signed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
This project consists of replacing an existing 8” asbestos cement water transmission line with a new 10” PVC C-900 class water line. The 8” 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” PVC water transmission lines will be replaced with one continuous 6” PVC C-900 class water line. Replacement of the two 4” water lines will provide one continuous 6” 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” water line and 24,000 feet of 6” 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) and award the project. Construction of 30,000 feet of 10" 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" transmission main and a control building. The project is being bid in-late 2013 and construction is anticipated to start in-early 2014.

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

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

EXISTING LEGISLATION:
None

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

The Town of Deaver does not have a formal plan in place for its water distribution system, nor does it have accurate location mapping of system components. This project would primarily accomplish 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. A master plan will provide the Sponsor with the tools and guidance needed to assist in planning, rehabilitation, upgrading, and management of their system. It will also identify system needs and a plan to accommodate future growth.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level I status with an appropriation of $125,000.

42. **PROJECT:** **Deaver Rehabilitation 2009**
LEVEL: III
SPONSOR: Deaver Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the Deaver Irrigation District to complete the rehabilitation projects identified in the 2002 Level II study. The District is making a concerted effort to rehabilitate its water delivery system. The 2009 project replaced open ditches with pipe on laterals D56-1, 196F, and D56-64. The additional funds appropriated in 2011 replaced open ditches with pipe on laterals 189F and D113. 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, and 189F. During the winter of 2013-2014 the sponsor is constructing Lateral D113. This project should be completed in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

43. **PROJECT:** **Douglas Box Elder Spring – Phase 1**
LEVEL: III
SPONSOR: City of Douglas
LOCATION: Converse County
PROGRAM: New Development

EXISTING LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
The City of Douglas has three water sources to meet its potable water demands and a recently completed water treatment plant. The City is experiencing significant growth which is projected to continue in the immediate future when considering coal, oil & gas, uranium, wind energy, and pipeline corridor industries active in Converse County. In order to address the current and projected growth and meet the needs of the community, the city requested and received a Level I master plan.

The master plan was completed in October 2010 and concluded the City's priority should be to replace the Box Elder spring house and the aging 16-mile pipeline from the spring to the City of Douglas.

In 2011, the City of Douglas received a Level III New Development project with an appropriation of $1,487,400 (67% grant). The City will be using their general funds or water funds for the remaining 33% of project costs. The appropriation is for the design of the entire project and funds to construct the spring house. The City of Douglas has secured the services of an engineer and has initiated the design process. At this time the City is dealing with land easement issues and the project has been on delay since the spring of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

44. PROJECT: Dubois Water Supply

LEVEL: III
SPONSOR: Town of Dubois
LOCATION: Fremont
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	82	1998	I	$ 75,000	2000
Level II	7	2002	I	$ 75,000	2004
Level II	125	2003	I	$ 20,000	2004
Level II	34	2004	I	$ 400,000	2006
Level III	38	2009	I	$2,130,000*	2014
Level III	105	2006	I	$ 27,000**	2014

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

PROJECT INFORMATION:
The Town currently delivers 76,714,000 million gallons of water annually to 628 taps. The average per capita use is 233 per day while the peak demand is 757 gallons. The Town requested grant and loan funding for construction of a new storage facility and well improvements. The increased storage is needed to meet the DEQ requirements for maximum day demand plus fire demand. The well improvements include increasing the piping size, replacing/enlarging the pitless adapter, modifying the electrical system, and increasing the pump size. The well upgrades will allow the Town to increase the production from 750-gpm to 1000-gpm.

The additional storage and upgrades are based on the recommendations of the Level II water supply study prepared by the WWDC in 2005. Construction began on the tank in 2011 and was completed mid-summer of 2012. The design of the well upgrades is complete and the construction will continue until late 2012. The bid prices for the tank phase of the project exceeded the funding amount and the sponsor requested additional funds from the Sponsor Inflation Account. The sponsor was granted an additional amount of $27,000 grant and loan to aid in the completion of the project. The project was completed in 2013 and is currently being closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

Existing Legislation:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	I	$850,000	2006
Level II	99	2006	I	$600,000	2008
Level III	121	2007	I	$824,000*	2012
Level II	1	2011	I	$275,000	2014

* 67% grant and $87,000 loan

PROJECT INFORMATION:
Based on the findings of the WWDC 2013 Level II study, a new well field is feasible to be developed as a supplemental source for Boulder Flats. The study also recommends that boost 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 forseen with development of the Shoshone Rose casino complex, a commercial enterprise located within Boulder Flats on the WRIR along US HWY 287.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status with an appropriation of $804,000. This appropriation will serve as a 67% grant only for design and construction incurred for well field and boost pump costs, with the remaining 33% being sought by the Tribe and SUO via other funding sources (EPA Tribal Set-Aside and/or Indian Health Service funding programs).

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

EXISTING LEGISLATION:

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

*50% grant

PROJECT INFORMATION:
The proposed project would consist of the lining of approximately 6,600 feet of the unlined Farson Canal and replacing approximately 14,000 feet of existing earth laterals with pipe. The SCADA system will be expanded to monitor and control water flows at the turnouts. This type of improvement is intended to reduce evaporative and seepage losses, reduce operation and maintenance (O&M) costs, conserve water resources and reduce approximately 1,685 tons of salt per year, which the Farson Lateral contributes to the Colorado River Basin**.**

The District's funding request is for the engineering design, permits, NEPA requirements and cultural resources evaluations of the proposed project. Total construction costs of the project are estimated at $4,722,000.

The WWDC recommended this project be advanced in the Level III status in the Rehabilitation Program with an appropriation of $233,500, which is 50% of the engineering design, permitting, NEPA analysis and cultural resources evaluation. The proposed financing plan provides a 50% grant with the Sponsor seeking a Colorado River Basin Salinity Control Program (SCP) grant for the remaining 50% of project costs. In 2013, the SCP retracted project funding due to federal budget sequestration. Therefore, the WWDC funding in the amount of $233,500 will be reverted to Account II.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

47. **PROJECT:** **Eden Valley (Farson) Master Plan**
LEVEL: II
SPONSOR: Eden Valley Improvement District
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Level I was completed in 2013 and recommended a Level II study be pursued to further evaluate the potential for a water system in the area. In the Level I there were three water supply alternatives developed. The Level II will focus on determining the potential users and their location, relative to the three alternatives, to finalize a single alternative. At this point the sponsor is working with the community to determine who would like to explore the opportunity of being part of a system. Currently there are several community members who are opposed to any

system. With an understanding of who is interested in a water supply system, the consultant will be able to delineate a preferred alternative and develop the final water use estimates, system boundaries, and the layout of the system. It is anticipated that potential users will be identified by mid-January.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	147	2005	II	$1,508,000*	2010
Level III	38	2009	II	$6,580,000*	2014
Level III	63	2011	II	$1,713,000*	2016
Level III	141	2013	II	$1,327,000**	2018

*50% grant

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

PROJECT INFORMATION:

In 2005, the Eden Valley Irrigation and Drainage District (EVIDD) secured funding with WWDC and the Bureau of Reclamation Salinity Control Program (SCP) to convert three laterals within their district from open ditch to pipe (Phase I). This first phase of an overall project intended to reduce the salt load to the Colorado River Basin by approximately 6,600 tons annually. Lateral seepage, estimated to be as high as 50%, was contributing to the salt loading issue. Phase I construction commenced in Fall 2007, and was completed in Spring 2010.

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

During 2008, EVIDD secured additional funding (Phase III) from the SCP in the amount of $6,580,000 to replace four existing earth lined laterals with approximately 95,000 lineal feet of pipe. Phase III funding is a SCP grant (50%) matched by WWDC funding. Phase III includes installation of new turnout structures, lateral diversion structures with trash cleaning capabilities, and a Supervisory Control and Data Acquisition (SCADA) system to control and monitor flows at the diversion headgates. A consulting engineer was hired in 2009 to perform design, bidding, and construction management of Phase III lateral work with construction that followed during irrigation off-seasons in 2009, 2010, 2011, and 2012. A construction contract for Lateral E-13 was awarded in November 2009 with work completed in November 2010. A contract for Laterals E-7 and E-8 was awarded in December 2010 and was completed in November 2011. The upper half of the final lateral (West Side Lateral) was bid and contracted in late 2011 with a completion date of early Spring 2012. In 2011, HDPE and PVC pipe resins costs increased by 25%. The construction of the lower half of the West Side Lateral was not feasible due to WWDC budget constraints. Pipe leakage of the upper West Side Lateral resulted in temporary repairs, which sufficed to provide irrigation flows through the summer of 2012. In October 2012, final repairs, in addition to hydrostatic testing, were completed on the upper West Side Lateral. Repairs on portions of the upper West Side Lateral were completed in Fall 2013.

During 2011, EVIDD secured additional funding for Phase IV. WWDC funded $1,713,000, and SCP would provide a 50% match. This project includes lining of approximately 6,680 lineal feet of the Eden canal with 30-mil synthetic rubber liner covered with fiber-reinforced shotcrete, repair of existing concrete liner up and downstream of the siphon, and piping of open ditch irrigation laterals (E-5 and E-6) a distance of approximately 20,000 lineal feet with HDPE pipe. The project was completed in November 2011.

During 2012, the WWDC recommended this project be advanced in the Level III status in the Rehabilitation Program with an additional appropriation of $1,327,000. The proposed financing plan provided a 55.07% grant with the sponsor responsible for the remainder of project costs. A grant for the remaining 44.93% was secured with the SCP.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

49. PROJECT: Ethete Water Supply

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

EXISTING LEGISLATION:

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

*50% grant, 50% sponsor

PROJECT INFORMATION:

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

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

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

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

In 2010, the legislature approved Level III funding for the development of an alluvial well field and transmission pipeline to the existing Ethete water treatment plant. The sponsor has been seeking federal funding for its share of the project budget. The sponsor has continued to be unable to secure matching funds for the project and the project has not been able to move forward.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

50. PROJECT: Evansville Emergency Connection

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

EXISTING LEGISLATION:

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

*Funds reverted at the request of the Town of Evansville
** 67% grant

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

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

The Engineer is designing and evaluating feasible pipeline alignments. Construction is anticipated to commence during Spring 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

51. PROJECT: Fayette Irrigation Rehabilitation

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

EXISTING LEGISLATION:

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

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

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

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

52. PROJECT: Fontenelle Pipeline

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

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
A land owner in the Green River Basin has suggested the State of Wyoming conduct a study that evaluates the potential use of water below Fontenelle Reservoir. The users include agriculture, industry, and municipal. The project will be done in-house but not to the equivalent of a level I reconnaissance study. Rather, the evaluation will be to determine if a level I study is warranted.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

53. PROJECT: Fort Laramie Storage Tank

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

EXISTING LEGISLATION:

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

PROJECT DESCRIPTION:
The Town of Fort Laramie, located in Goshen County approximately 20 miles west of Torrington, requested a review in 2006 of their water supply system and a rehabilitation plan for system upgrades. These system upgrades included a review of their existing supply, storage and transmission lines for rehabilitation and expansion. The Town currently utilizes two wells that were constructed nearly 50 years ago, and reportedly are in good condition. They provide approximately 800-gpm, which is an adequate supply for the foreseeable future.

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

The project has been phased. Phase I of the project includes the design, permitting, and land acquisition for the project. The design was completed in 2012 along with the permitting. The sponsor intends to place the tank on town property. The project is bidding in late 2013 and should be completed in 2014. Therefore, Phase II funding for construction is being requested from a 2013 appropriation. The total Phase I and II budgets is $1,165,500.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

54. **PROJECT:** **Gillette Madison Pipeline Joint Bonding**
LEVEL: III
SPONSOR: City of Gillette
LOCATION: Campbell County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

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

* 50% grant, ** 67% grant

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

Phase I reestablished the pipeline electrical continuity by replacing the external electrical joint bonds. Phase I was completed in the fall of 2008. Following completion of Phase I and under Phase II, the city conducted an internal pilot study on approximately 4.7 miles of the transmission pipeline. The pilot study was conducted to: 1) assess the condition of the internal pipeline mortar system and perform repairs, 2) provide production rates used to estimate the number of repairs, time and costs to repair the remainder of the pipeline, and 3) establish system shut down and start up procedures. The remainder of Phase II addressed rehabilitating the pipeline mortar lining and completing the joint bonding not completed under Phase I. Phase II also consisted of installing manways to provide access into the pipeline. Phase II was completed in the summer of 2011.

Phase III of the project involves designing and constructing cathodic deep anode beds to provide cathodic protection to the pipeline. The City has hired an engineering consultant for the Phase III design. The project is anticipated to go to construction in 2014.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends extending the Project Agreement reversion date from July 1, 2014 to July 1, 2015.

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

EXISTING LEGISLATION:

Session	Chapter	Grant (67%) Appropriation	Account	Loan (33%) Appropriation	Account	Total
2009	103	$11,222,500	Budget Reserve	$ 5,527,500	Permanent Trust	$ 16,750,000
2010	115	$16,415,000	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*		$ 30,000000
TOTAL						$164,328,358

*33% funding from the Campbell County Capital Facilities Tax

PROJECT INFORMATION:

The major components of the Gillette Madison Water Supply consist of the following:

1. Approximately 50 miles of transmission pipeline ranging in size from 36-inch to 42-inch diameter
2. New power transmission upgrades and booster pump station near Rozet
3. New electrical system, disinfection facility and storage tanks at the Pine Ridge well field site
4. Transmission system will be 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 to 13 new wells to be developed over the next thirty years
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 is underway with the 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, are currently under construction and are scheduled for completion by the summer of 2013. Contract documents for the pump station, storage tank, disinfection facility, blending pipeline and remaining water transmission pipelines are nearly 90% 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.

Pipeline construction contracts 3 and 4a will be closed out in early 2014. The City anticipates bidding Pipeline construction contracts 4b. 4c, 4d, and 4f in early 2015.

RECOMMENDED LEGISLATIVE ACTION:
The Gillette Madison Water Supply Project meets the requirements of WWDC funding criteria for the New Development Program as it is a regional system that is needed to meet the demands of the City of Gillette and the surrounding area. However, as the project budget exceeds the financial capabilities of Water Development Account I, funding decisions have been deferred to the Governor and Wyoming Legislature.

The City of Gillette has submitted a supplemental budget request to the WWDC for the 2014 legislative session. The City has requested a 67% grant of $25,792,000; the matching 33% will come from the Campbell County capital facilities tax. In turn, the Water Development Office has included this request in its 2014 – 2015 Supplemental Budget Request as a General Fund Exception Request. The $25,792,000 funding request from the City is the final scheduled appropriation for the Gillette Regional Water Project.

56. **PROJECT:** **Gillette Regional Connections**

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

EXISTING LEGISLATION:

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

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

1. The Gillette Madison Pipeline Project serves as the main frame water supply infrastructure that provides water to the service area, which includes the City of Gillette and surrounding rural water districts.
2. The Gillette Regional Extensions provide the pipeline extensions from the main frame water supply system needed to serve the rural water districts.

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

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

1. Antelope Valley requested a review of their existing system and its deficiencies. They specifically requested an analysis of the potential for additional storage at an elevation sufficient to serve Pinnacle Heights and provide additional backup supply. Additionally, they expressed an interest in connecting to the regional system for their supplemental water needs. This project was completed in the Fall of 2013.

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

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

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

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

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

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

57. PROJECT: Gillette Regional Extensions

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

EXISTING LEGISLATION:

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

*67% grant only
2013 appropriation increase to 2012 appropriation

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

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

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

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

Ultimately, twenty-three (23) extensions may be required at a total cost of $60M. The City of Gillette, in consultation with Campbell County, prioritized the extensions based on the water supply needs of the rural districts and the interest of those districts to connect to the regional system. The highest priority, Priority I, projects identified in the Gillette Regional Master Plan included constructing three (3) extensions to serve eight (8) rural water districts including Antelope Valley business Park Improvement & Service District, Antelope Valley Improvement & Service District, Pinnacle heights Improvement & Service District, Bennor Estates Improvement & Service District, Overbrook Improvement & Service District, Rafter D Homeowner's Association, Spring Hill Ranch Improvement & Service District and Cook Road Water District.
In 2012, the Legislature appropriated Phase I funding for the project. The Phase I appropriation included a budget for the project design, permitting and land acquisition. The project is currently under design and is approximately 90% complete. The City is securing easements for the project.
The City of Gillette has submitted a supplemental budget request to the WWDC for the 2014 legislative session. The City has requested a 67% grant of $2234, 000; the matching 33% will come from the Campbell County capital facilities tax. The funding request is to connect the Force Road Joint Powers Board the Force Road extension.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III grant appropriation by $234,500, from $6,197,500 to $6,432,000. The financing plan will remain a 67% grant to be used for design, permitting and construction. The sponsor is responsible for the remainder of the project costs.

58. PROJECT: Glenrock Transmission Pipeline

LEVEL: New Application (Level III)
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$150,000	2010

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" 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. A recommendation is being made to provide grant funding of $381,900 for the WWDC eligible costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the New Development Program with an appropriation of $381,900. The recommended financing plan will includes a 67% grant with the Sponsor responsible for 33% of the project budget

59. PROJECT: Goshen Irrigation District Rehabilitation 2013

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

EXISTING LEGISLATION:

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

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

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

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

In 2009, the District received a materials only grant of $1,200,000 to complete the Springer Main, Table Mountain and Horse Creek lateral ditch to pipeline rehabilitation. Construction of the Springer Main was completed in 2010. The Table Mountain Lateral construction was completed

in-early 2011 and the Horse Creek lateral was completed in-late 2011. These projects are working as intended and the project appropriation has been closed out.

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

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

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

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

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

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

EXISTING LEGISLATION:

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

*50.5% Grant

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

It was determined that the reservoir would provide two benefits to the system. One is for raw water storage that replaces the need for additional finished water storage, which would cost

approximately $58M, and the second is to act as a settling basin to remove sediment, which will benefit the efficiency of the Water Treatment Plant (WTP).

The 2011 Legislature appropriated $900,000 (67% grant and 33% Loan) for eligible design and permitting costs of the raw water reservoir. The appropriation was 75% of the total design/permitting since 25% of the proposed project is considered to be "treatment" and ineligible under the WWDC program. The 2012 Legislature appropriated an additional $7,382,000 raising the total funding to $8,282,000 (50.5% grant) for design, permitting and construction costs of the raw water reservoir. The matching 49.5% funding has been procured from the Wyoming Drinking Water State Revolving Loan Program with 25% of that amount being "principal forgiveness".
Design and permitting are in the final stages with the anticipated construction starting in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

61. PROJECT: Greybull Tank and Master Plan

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

EXISTING LEGISLATION:

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $200,000.

62. PROJECT: Greybull Valley Hydropower

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

EXISTING LEGISLATION:

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

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

The project is ongoing and will determine the feasibility and cost of placing hydropower generators on the Upper Sunshine and Greybull Valley (Roach Gulch) reservoirs. Currently the draft report has been reviewed and the Office is awaiting the final product. The final recommendations are to pursue hydropower at Roach Gulch. However, the price the power company will pay for the power will drive the sponsor's final decision to pursue the project any further. Hydropower feasibility studies must be completed by the WWDC in order for the project to qualify for loans from the State Land and Investment Board.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

63. PROJECT: Greybull Valley ID Hydroelectric

LEVEL: III
SPONSOR: Greybull Valley Irrigation District
LOCATION: Park/Big Horn County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	I	$ 60,000	2004
Level III	121,14	2007,2012	I	$150,000*	2014

* 100% loan for design and permitting only

PROJECT INFORMATION:
The Greybull Valley Irrigation District wished to pursue a detailed cost analysis of placing hydropower generators at the base of their three major reservoir dams. The two-year study included an examination of the transmission requirements to get the generated power to users.
In 2006, the District obtained the FERC preliminary permits and filed WWDC applications for the hydropower construction projects. The project was recommended for funding of the design phase of the Level III project and the construction phase of the project was postponed.

From 2007 through 2011, the District continued discussions with power companies to determine the price per kilowatt hour the District would receive for power generated at Lower Sunshine Reservoir. They also approached the Wyoming Business Council and the Wyoming Pipeline Authority to identify funding sources for construction of power transmission lines from Lower Sunshine Reservoir to the existing grid.

The District has retained a consultant to conduct economic and environmental analyses to determine project feasibility for constructing hydropower facilities at the Lower Sunshine Dam. The cost of the study, which is being funded completely with loan funds, is $150,000. If the project is deemed feasible, it will be eligible for funding through the State Land and Investment Program. A draft of the study is currently under review. The final report should be completed during winter 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

64. PROJECT: GVID Upper Sunshine Diversion

LEVEL: III
SPONSOR: Greybull Valley Irrigation District
LOCATION: Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	33	2008	II	$ 100,000	2008
Level III-I	38	2009	II	$ 300,000*	2014
Level III-II	63	2011	II	$3,600,000*	2015

*67% grant, 33% loan

PROJECT INFORMATION:
The Greybull Valley Irrigation District (the District) requested a study to evaluate the repair or replacement alternatives for the diversion dam for Upper Sunshine Reservoir. The dam is located on the Greybull River approximately 15 miles west of Meeteetse. The diversion dam, built in the 1930's, is critical to the delivery of water to the District and is in serious need of rehabilitation. The final Level II report was completed in 2010.

Conceptual designs and specifications for the Upper Sunshine Diversion were prepared in the Level II report. Level III funding for project design/specifications, permitting/mitigation, and access/ROW was recommended and appropriated in 2009. The engineering final design contract has been awarded and is underway. The Legislature appropriated $3,600,000 during the 2011 session to fund construction engineering and construction of the Project. A bid opening has been conducted and the project awarded to a contractor. Construction has been completed. The only remaining item is to close-out the project, which requires a final bill from the engineering consultant.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

65. **PROJECT:** **Greys-Hoback Basin Instream Flows**
LEVEL: I
SPONSOR: WWDC
LOCATION: Greys and Hoback River Basins
PROGRAM: Instream Flow Studies

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	39	2010	I	$87,300	2013

PROJECT INFORMATION:
The Wyoming Game and Fish Department (WGFD) identified 10 stream reaches within the Greys-Hoback River Basins where instream flows are critical and unappropriated surface water appears available. These segments are located in the Greys-Hoback watershed near Bondurant in Sublette County. WGFD conducted field studies and prepared a biological report that identified the minimum amount of water necessary to maintain or improve existing fisheries. A water right application was prepared with the Wyoming Water Development Commission (WWDC) as the applicant. The application was submitted to the State Engineer's Office. The date that the application was accepted established the priority date of the water right. Per Wyoming Statute 41-3-1004 (a), the WWDC is then charged to produce an instream flow study to determine whether or not unappropriated water is available to support flows requested by the WGFD:

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

The WWDC contracted with an engineering consultant to complete this hydrology study on the availability of unappropriated water to meet the water rights application requested flows. Primary tasks conducted during the study include: a water rights inventory; compilation of flow, diversion, and storage records; 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

66. **PROJECT:** **Groundwater Studies**
LEVEL: N/A
SPONSOR: State
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
GW Grants	8	1981	I	$3,000,000	N/A
GW Grants	35	1984	I	$1,000,000	N/A
GW Grants	7	2002	I	$1,500,000	N/A
GW Grants	75	2005	I	$1,000,000	N/A

GW Grants	33	2008	I	$ 500,000	N/A
GW Grants	57	2012	I	$ 800,000	N/A

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

During the drought in early mid-2000, 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
City of Torrington (Municipal irrigation well): $ 41,250
Town of Guernsey (Municipal PWS well): $93,750

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

67. PROJECT: Guernsey Master Plan

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$125,000	2013

PROJECT INFORMATION:
The town has received an EPA Administrative Order (September, 2011) to comply with the total coliform maximum contaminant level (MCL) and to fulfill monitoring and reporting requirements. This master plan is providing the town with an assessment of its disinfection capability along with engineering analyses to update the town's previous master plans in terms of water supply, system operations, development and prioritization of capital improvement projects, and a rate study.

Work completed on the project includes: pump testing of supply wells; water quality testing; data gathering and GIS mapping of the system; creation and use of a hydraulic model to assess distribution system; a rate study; and, identification of problem areas and needs for system improvements. The final report of the project was delivered in August, 2013. The project was completed on time and on budget. The town has been following the recommendations of the plan in terms of system improvements and replacements.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

68. **PROJECT:** **Hanna Water System**
LEVEL: II
SPONSOR: Town of Hanna
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

69. **PROJECT:** **Hawk Springs Master Plan**
LEVEL: II
SPONSOR: Horse Creek Conservation District
LOCATION: Goshen County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	II	$200,000	2013

PROJECT INFORMATION:
The Horse Creek Conservation District owns and operates Hawk Springs Reservoir in Southern Goshen County. The reservoir serves approximately 10,000 acres of irrigated lands between the communities of Hawk Springs and the Town of Yoder. This master plan is providing the district with a prioritized list of improvements that would increase the efficiency in the use of storage water, especially during dry years.

Primary tasks of this project involved completion of a bathymetric survey of the reservoir and a reservoir operations model. Wet and dry surveys of canal features, inventories, and engineering assessments were also performed. Background information and historic documents pertaining to the reservoir was compiled and summarized. The survey of the reservoir bottom provided an updated stage-storage curve and assessed the effects of sedimentation on storage capacities of the state's minimum pool and the district's irrigation account. The final report of the project was delivered in October, 2013. The project was completed on time and on budget.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

70. PROJECT: Heart Mountain Irrigation District Master Plan

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	II	$ 100,000	2008
Level II	99	2006	II	$ 21,000	2008
Level III	75	2008	II	$1,574,500	2013
Level III	68	2010	II	$1,180,000*	2015
Level III	14	2012	II	$1,665,000**	2017
Level II	66	2013	II	$ 175,000	2014

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

PROJECT INFORMATION:
Heart Mountain Irrigation District (HMID) conveys irrigation water to 33,600 acres. About 140 miles of distribution laterals and 145 miles of open and closed drains serve the district. The facility was built by the Bureau of Reclamation in the late 1940s with water deliveries starting in the early 1950s. Around 1960, the operation and maintenance was turned over to the HMID. The district requested a master plan consisting of an irrigation system assessment to proactively identify and prioritize necessary improvements and an update to its GIS program.

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

The primary objectives of this master plan are to furnish HMID with a prioritized list of improvements; assess integration of future use of SCADA; and expand its GIS coverage and functionality. Additionally, this master plan will evaluate system operations. Water rights will be reviewed and compiled into the district's GIS along with easements and rights of way. The majority of work thus far on the project involved SCADA recommendations, finalizing the GIS data dictionary, and ongoing GIS field mapping of the main canal and laterals. This project is on schedule and on budget with a completion scheduled for Fall of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

71. PROJECT: Heart Mountain Rehabilitation 2010

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	II	$ 100,000	2008
Level II	99	2006	II	$ 21,000	2008
Level III	75	2008	II	$1,574,500	2013
Level III	68	2010	II	$1,180,000*	2015
Level III	14	2012	II	$1,665,000**	2017

*This appropriation is replaced by the 2012 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. In 2010, the Heart Mountain Rehabilitation 2010 Project was funded to replace open ditches with pipelines, construct two diversion structures, and to automate two spill sites. The sponsor completed the work on Laterals H24, H55, H79-5, and the Lower Ralston Lateral as well as installing automated control gates 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, and the Lateral R41 headgate have also been automated.

During the 2013-2014 winter, the sponsor is replacing open ditch on Lateral H57 with a buried pipeline. Control gates at the Cottonwood Siphon and the Rattlesnake Siphon are scheduled to be automated as well. The sponsor will also pursue a system wide SCADA system this winter.

The sponsor has requested funding to replace the concrete ditch on Lateral R15 with a pipeline for fall 2014 construction. The updated Master Plan should be complete in time for the sponsor to pursue the recommended construction for fall 2015 construction under a new project. This Heart Mountain Rehabilitation 2010 Project should be complete prior to the 2015 irrigation season.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the appropriation for the Heart Mountain Rehabilitation 2010 Project be increased to $1,990,000 (an increase of $325,000), remaining in the Rehabilitation Program at Level III status. The financing plan will remain a 100% grant for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

72. PROJECT: Highline Canal

LEVEL: III
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$ 50,000	2004
Level III	69	2003	II	$531,000	2008
Level III	75	2008	II	$808,050*	2014

*100% grant for invoiced materials and a maximum loan of $61,000 for engineering

PROJECT INFORMATION:
In 2002, the WWDC completed a Level II study of the Highline Canal which diverts irrigation water from Trapper Creek. The study was performed at the request of the Shell Valley Watershed Improvement District. The Shell Valley Watershed Improvement District is the water development and management entity for the Shell Creek watershed. The District owns and operates Lake Adelaide and Shell Reservoir. The District wanted to implement the recommendations presented in the Level II Study which included: diversion structure replacement; installation of a pipeline in the canal to convey the water; and, installation of new delivery structures. These improvements would benefit the irrigators along the Highline Canal as well as the residents in the community of Shell.

The original funding package was for a conventional construction project. The project has progressed and the design was completed. However, the District experienced difficulties with obtaining the easements required for construction. The project was delayed as the District attempted to negotiate with the land owners for the easements. Negotiations ultimately failed so the District proceeded with condemnation proceedings. This further delayed construction. During this time, construction and material costs escalated to the point that construction could not proceed within the existing budget.

Rather than requesting an additional grant and/or loan, and continuing the original project package, the District requested that the project be converted to a "materials only" project. The sponsor is responsible for costs associated with engineering services. Therefore, the sponsor also requested that the WWDC approve a loan with a fifteen year amortization to cover the expenditures for engineering under the existing grant and loan. The amount of the loan is set to not exceed $61,000.

This project was originally expected to be completed in 2009, but due to issues noted above construction was not started until fall 2012. The Sponsor received additional funding from the U.S. Bureau of Reclamation which enabled the project to proceed. The construction was completed in early 2013 and the project has now been closed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

73. **PROJECT:** **High Meadow Ranch Master Plan**
LEVEL: Level I
SPONSOR: High Meadow Ranch Water Users
LOCATION: Sublette County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION
The High Meadow Ranch development is located eight miles southeast of Pinedale off of Highway 191 and the water system serves approximately 782 residents (274 taps). Their water source 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 the reliability of the water system and at times residents have had to haul water. This project includes a complete analysis of the system to identify deficiencies and the development of a long term system plan. Study components include additional source capacity, water storage and distribution system analyses.

A consultant has been hired and an analysis of the system has begun. The first step was to complete pump tests on the districts wells. The results showed that the districts supply is inadequate to meet their needs. They are currently getting by with one well to meet most of their water supply needs. If something happens to this well then most of the district members will have to haul water. The Level I study will consider a regional connection with Pinedale and drilling a new well. The district is planning to apply for additional WWDC funding to help with their supply problems when a preferred alternative is reached.

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

74. PROJECT: Indian Paintbrush Water Supply

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

EXISTING LEGISLATION:

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

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. The costs of emplacing a production-size well in the same location (the test hole was plugged & abandoned) exceed those originally budgeted for test drilling and therefore the basis of the request is additional funds for design, permitting, a public bid process, procuring a drilling sub-contractor, drilling/casing completion, pump testing, and water quality analysis.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be continued in the New Development Program in Level II status with a budget increase appropriation of $200,000.

75. PROJECT: Interstate Canal and Beaver Meadows Reservoir Rehabilitation

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Beaver Meadows Reservoir, originally designed for 2,461 acre-feet 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 IIRC is located in McKinnon, Wyoming.

The applicant requests a Level I study on feasibility of repairing both the existing Beaver Meadows Reservoir's spillway and the Interstate Canal (earthen canal). In order to reduce canal leakage, the applicant specifically requests an investigation of the feasibility of installing pipe in the existing earthen canal. The reservoir's spillway is in need of repairs and the applicant is also requesting a feasibility study to determine if the storage capacity could be significantly increased. The study is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

76. PROJECT: Jeffrey City Water Supply

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
Jeffrey City is located in southeast Fremont County in the Sweetwater River drainage (trib. North Platte River). The Jeffrey City Water & Sewer District, 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 (1970's) 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 solve problems of operating the system with an oversized and deteriorating storage tank, inefficient pumping system (well and pressure boost pumps), and rudimentary controls. The final report was delivered to WWDC in May 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

77. PROJECT: Jeffrey City Water System Improvements

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

EXISTING LEGISLATION:

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

*67% grant

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

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

The WWDC recommended the project be incorporated into the New Development Program at Level III status with an appropriation of $418,750. This appropriation serves as a 67% grant for design and construction costs, with the remaining 33% sought as a loan through USDA Rural Development. To date, the Sponsor has not secured funding with USDA, and not executed Level III project agreements with WWDC.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

78. PROJECT: Kirby Rehabilitation 2011

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

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 Kirby Irrigation District Conservation

Program-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. Design of the proposed construction is complete. It is anticipated that the construction will be publically advertised and bid in the spring of 2014 for fall construction by a contractor. The project is expected to be completed in 2015. WWDC funding will finance design, construction, construction engineering, and land rights as necessary to construct the project.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

79. PROJECT: LaBarge Water Supply

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

PROJECT INFORMATION:

The Town of La Barge is situated in the Green River drainage portion of Lincoln County and depends solely on alluvial ground water as its water supply. The Town was incorporated in 1973, and has relatively modern supply system components. However, the intake gallery located in the sands and gravels of the Green River floodplain is in jeopardy according to the U.S Environmental Protection Agency (USEPA). The USEPA determined the Town's shallow ground water supply was "Groundwater Under the Direct Influence of Surface Water," and, therefore, requiring surface water treatment. The efficiency of the original infiltration gallery to

divert water upon demand has deteriorated to a critical state. Complicating these matters has been the potential for increased population and water demand on the system because of economic growth in the Green River Basin including the development at the Jonah and Pinedale Anticline fields.

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

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

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

The intake system was constructed and became operational in late 2012, and was turned over to the Town for beneficial use. However, the system requires quality assurance testing prior to project closeout.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

80. PROJECT: Lake Hattie Dam

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

EXISTING LEGISLATION:

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

*Sponsor's Inflation Fund

PROJECT INFORMATION:
The District needs to replace both knife valves which serve as control for reservoir releases to the Pioneer Canal and the valve vault which houses the valves and/or to reconfigure the outlet works. The District also plans to replace/reline up to 3 of the 4 outlet tubes that run from the dam's head works on the upstream face to the dam's outlet works on the downstream dam face. With

completion of the project, flow control will be restored, which will enable the District to properly regulate releases from the Lake Hattie.

In the fall 2013 The District conducted a bid opening. Unfortunately, the low bid was higher than the engineer's estimate. The District has since requested $282,000 from the "Sponsor's Inflation Fund" to provide sufficient funds to complete construction of the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is needed.

81. PROJECT: Lakeview Irrigation District Rehabilitation 2014

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	II	$250,000	2013

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 would replace the existing Bull Creek Siphon structure, which is aged, badly deteriorated, and well beyond its useful service life. Flows in Bull Creek have scoured through and under the existing structure, causing numerous voids and structure instability. Because this structure is located high in the system, its failure would result in non-delivery to nearly all the acres in the Lakeview Irrigation District. Consequently, the 2012 master plan funded by the WWDC identified replacement of this structure as the highest priority.

With this project, the district would like to begin a series of projects that would update infrastructure over the next several years to ensure long-term, efficient delivery of irrigation water. All projects would be in conjunction with the prioritized recommendations developed in the 2012 master plan that was financed by WWDC. Numerous structures are aging and facing increased costs for maintenance. In the 2012 master plan, replacement of the Bull Creek Siphon has been identified as the highest priority.

RECOMMENDED LEGISLATIVE
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $154,770.

82. PROJECT: Lakeview Irrigation Master Plan

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	57	2012	II	$250,000	2013
Level III	--	2014	II	$154,770	2015

PROJECT INFORMATION:
The district is located on the South Fork Shoshone River, 12 miles SW of Cody, upstream of Buffalo Bill Reservoir. Prior to this project, the district did not have a formal plan in place or any GIS mapping of its system. The majority of its irrigation structures and conveyance features were constructed during the 1940s and are now past their service life. Spill structures, drop structures, and canal/creek intersections have become deteriorated. Lateral canals needed to be assessed in terms of their current alignment and ability to safely convey water.

This master plan is providing the district with a system inventory and GIS mapping, engineering assessments, and a prioritized list of improvements. Results of this study will allow the district to take a proactive approach toward implementing rehabilitation or replacement of existing features. The majority of work on the project involved GIS field mapping of the main canal and laterals and development of a prioritized list of improvements based on in-field engineering assessments. Financial plans have also been developed to assist the district to prepare for future construction and financing. The final GIS product will be enhanced with a user-friendly graphical user interface (GUI) to simplify the use of the software in terms of accessing the data and files compiled during this study. A draft report of the project was submitted in September, 2013, and the final report is scheduled to be delivered before December 31, 2013. The project remains on budget although completion of the final report has been delayed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

83. **PROJECT:** **Lance Creek Well**
LEVEL: II
SPONSOR: Lance Creek Water and Sewer District
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$100,000	2010
Level II	1	2011	I	$260,000	2012
Level II	39	2010	I	$ 44,000	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 $44,000 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 Town has not entered into a Level III Project Agreement with WWDO due to financial constraints.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

84. PROJECT: Lance Creek Well Connection

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$100,000	2010
Level II	1	2011	I	$260,000	2012
Level II	39	2010	I	$ 44,000	2012
Level III	141	2013	I	$170,000	2018

PROJECT INFORMATION:
The U.S. Environmental Protection Agency (EPA) has issued an administrative order to the District for exceeding the arsenic maximum contaminant level (MCL). 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") that would have sufficient water quantity to serve as a water supply for the District and will 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 also showed 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 to the budget in 2012 and an additional $11,500 in 2013 to complete the Level II study.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	8	1995	I	$ 100,000	1996
Level II	46	1997	I	$ 180,000	1998
Level II	81	1999	I	$ 100,000	2000
Level III	16	1999	II	$ 400,000	2003
Level III	96	2000	II	$1,696,000	2004
Level II	7	2002	I	$ 40,000	2004
Level II	125	2003	I	$ 540,000	2004
Level I	33	2008	I	$ 100,000	2009
Level I	32	2011	I	$ 85,000	2011
Level III	14	2012	I	$3,068,000*	2012

* 50% grant

PROJECT DESCRIPTION:
The City of Lander diverts its water from the Middle Fork Popo Agie River. From the water treatment plant, below the diversion, water flows by gravity to a 4MG storage tank, thence to town and three other storage tanks (Ellis tank, Mager tank, and Rodeo tank) that serve separate pressure zones. The 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 and the construction should be completed by mid-2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

86. **PROJECT:** **Laramie Master Plan**
LEVEL: New Application (Level I)
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	123	1990	I	$ 75,000	1992
Level I	38	1991	I	$ 35,000	1992
Level II	43	1992	I	$ 1,000	1993

EXISTING LEGISLATION CONTINUED:

Purpose	Chapter	Session	Account	Appropriation	Due Date
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

PROJECT INFORMATION:

The City of Laramie is experiencing significant growth and increased demand on their water supply system and is seeking 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 would 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 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 develop a plan to accommodate future growth.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends the project be incorporated at Level I status into the New Development program with an appropriation of $250,000.

87. PROJECT: Laramie North Side Tank Project

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

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

PROJECT INFORMATION:
The City of Laramie (City) 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending this project be advanced to Level III status in the New Development Program with an appropriation of $1,200,000 for design only. The City of Laramie is requesting a financing plan of 67% grant and 33% loan.

88. PROJECT: Laramie Transmission Pipeline

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

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

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

In 2011, the City completed the pipeline segment from the Laramie River to Lake Sodergreen with a remaining budget of approximately $2.0M. In September 2011, the City submitted a funding application to replace the existing 36-inch pipeline from Lake Sodergreen to the WTP. The City's application indicated this segment of transmission pipeline experiences major breaks annually requiring the City to shut down water production at the plant to repair the pipeline. The project is currently under design and the City anticipates bidding the project in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

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

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

However, by combining the Water Development funding with funds from other sources, the District was able to award a contract for these two diversions. The District requested and received additional financial assistance to re-construct the last two of the four diversions in 2012. The project is on schedule as of the end of 2012. The Adams diversion is substantially complete. It is estimated that the other three diversions will be completed in 2014. Construction is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

90. **PROJECT:** **Little Snake River Small Dams and Reservoirs Phase II**
LEVEL: III
SPONSOR: Little Snake River Conservation District
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	88	2002	I	$465,000*	2013
Level III	105	2006	I	$167,000**	2013
Level III	75	2008	I	$220,000**	2013

* 60% grant, 40% Loan (6.0%, 25 years)
** 67% grant, 33% Loan (4.0%, 25 years)

PROJECT INFORMATION:
In 1999, the legislature authorized $215,000 for the purpose of building from one to twelve small dams and reservoirs to improve range and grazing conditions within the Conservation District's service area. The total estimated volume of water impounded by the twelve reservoirs totals approximately 2,636 acre-feet and will service an area of 9,780 acres of rangeland. With the first appropriation of $215,000 and an additional appropriation of $50,000 provided in 2000, two small dams were completed. These activities were completed under Phase I of the program.

The 2002 Legislature authorized an additional $500,000 (60% grant/40% loan) to implement Phase II of the program and continue the design and construction of four additional dams. The Brown's Hill 21 dam was completed during the fall 2004. The Garden Gulch 32 (Deep Gulch) dam was constructed during the summer of 2006.

In 2006, the District requested that three additional dams referenced in the original 1998 Level II study be added to the list for WWDC funding eligibility. In addition, the District requested that the funding appropriation be restored to the original level of $500,000 to allow the construction of the three additional small dams. The 2006 legislature authorized additional funds totaling $167,000. The supplemental funding package approved by the legislature in 2006 increased the grant funding from 60% to 67% of total project costs and decreased loan funding from 40% to 33%.

In 2008, the legislature approved adding Grieve Reservoir to the list of projects, reduced the 2002 appropriation from $500,000 to $465,000 and increased the 2006 appropriation from $167,000 to $387,000 for a net increase of $185,000 to cover design and construction costs. In 2009, the Coal Gulch Dam project was added to the list of approved projects to be funded within the existing appropriations. The Blue Gap 27 project was constructed in 2010. Presently, there is approximately $388,000 available to complete the remaining projects. No projects were completed during 2011. This year the District reported the completion of the Coal Gulch dam project. This entire project is now completed and the loan portion has been paid in full by the District.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

91. PROJECT: Little Snake River Watershed Study

LEVEL: I
SPONSOR: Little Snake River Conservation District
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$ 80,000	2004
Level II	33	2008	III	$550,000	2010
Level I	1	2011	I	$250,000	2014

PROJECT INFORMATION:
Little Snake River Conservation District requested a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and develop a geomorphic classification. This information will provide baseline information from which the District can pursue implementation of management practices that address the natural

resource issues within the drainage. Surface water storage, irrigation, and upland livestock/wildlife water management and rehabilitation plans are also of interest.

The Little Snake River watershed, located south of Rawlins in Carbon County, is approximately 1,980,000 acres with land ownership divided among federal (80%), and private/state (20%). The watershed includes one primary river system, the Little Snake River, and tributaries including Roaring Fork, Battle Creek, Savery Creek, Muddy Creek, Shell Creek, and Vermillion Creek. The final report was completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

*67% grant

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

93. **PROJECT:** **Little Snake Supplemental Storage (West Fork Reservoir)**
LEVEL: II
SPONSOR: Savery-Little Snake River Water Conservancy District
LOCATION: Carbon County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

In 2008, 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.

The District cited recent sales of 13,786 acre-feet of High Savery Reservoir storage water to provide late season irrigation water to appropriators along Savery Creek and the Little Snake River below the Savery Creek confluence. However, pursuant to the then existing water sales contract between the State of Wyoming and the District, the amount of water that could be purchased was limited to 12,000 acre-feet. Whenever demand (sales) exceeds supply (amount of storage), the shortage is prorated among the District's customers. In their application, the District stated that, if additional water was available, irrigators would have purchased 2,850 acre-feet of water, plus the 1,786 acre-feet in excess of the 12,000 acre-foot limit. Therefore, the District suggests that there is an immediate demand for 4,636 acre feet per year.

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.

In 2008, 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. The sites screened in the study are located in the Savery Creek drainage and drainages upstream of the Little Snake River/Savery Creek confluence.

The West Fork Battle Creek site was approved for further analysis by the WWDC. The proposed reservoir could have a capacity of approximately 9,752 acre feet and could provide approximately 5,000 acre feet of water per year. The draft report is completed and the final report is due at the end of December 2012. Level II, Phase III funding for permitting and final design is being requested by the sponsor.

In 2013, the Legislature approved initial permitting and design funding of $7,000,000. The design work is underway and on schedule. The total construction budget is estimated to be $68,000,000.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	68	2010	I	$ 385,250	2017
Level III	118	2004	II	$3,500,000	2015
Level III	68	2010	I	$2,000,000	2015
Level II	1	2011	I	$ 275,000	2014

PROJECT INFORMATION:
The Eastern Shoshone and Northern Arapaho Tribes request the Water Development Commission undertake a Level II, Phase I analysis of the potential to construct storage in the Little Wind River Basin upstream of Boysen Reservoir. The goal is to construct a minimum of one dam and reservoir complex in the basin.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Legislature appropriate $350,000 from Water Development Account III during the 2014 Legislative Session to finance the Level II, Phase I Study.

95. **PROJECT:** **Lovell Canal Rehabilitation 2014**
LEVEL: New Application (Level III)
SPONSOR: Lovell Irrigation District
LOCATION: Park and Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	II	$432,000	2014
Level III	14	2012	II	$565,000*	2017
Level III	141	2013	II	$299,000**	2017

*This appropriation is replaced by the 2013 appropriation.
**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 segments of the Bench Lateral with pipe. Funds from WWDC have been 100% grant for the purchase of invoiced materials. The sponsor has funded the engineering, land rights, and permits, and contracted most of the labor, equipment and other resources necessary to construct the project.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Lovell Canal Rehabilitation 2014 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $889,000. The financing plan includes a 100% grant for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

96. PROJECT: Lovell Master Plan

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

EXISTING LEGISLATION:

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

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

This project is ongoing and it appears that a new storage tank will be recommended in the final report. It is anticipated that the final product will be delivered in early 2014 and that the Town will submit a Level III application in October of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

97. PROJECT: Lovell Transmission Pipeline

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

EXISTING LEGISLATION:

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

*67% Grant

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

The final phase will be along Main Street in conjunction with a WYDOT highway improvement project and is scheduled to be designed in 2012-2013 and 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 was made 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 for the WWDC eligible construction costs with the remaining balance financed with 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. Currently, the project is nearing completion of the design process and securing the remaining easements. It is anticipated, that the project will go to bid in-early 2014 with construction to follow.

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

98. **PROJECT:** **Lower Clear Creek Irrigation District – Leiter Ditch**
LEVEL: II
SPONSOR: Lower Clear Creek Irrigation District
LOCATION: Sheridan County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
Leiter Ditch is failing and in need of rehabilitation. The District is requesting a level II study to determine costs, benefits, and potential assessments associated with the rehabilitation of the canal.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends a level II study with an appropriation of $100,000.

99. **PROJECT:** **Lower Nowood Water Supply**
LEVEL: I
SPONSOR: Lower Nowood Water Users
LOCATION: Washakie County
PROGRAM: New Development

EXISTING LEGISLATION:

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

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

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

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

The Level II study will complete the following tasks:

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

The Level II report is due in the Fall of 2014.

RECOMMENDED LEGISLATIVE ACTION
No legislative action required at this time.

100. PROJECT: Lusk Master Plan

LEVEL:	I
SPONSOR:	Town of Lusk
LOCATION:	Niobrara County
PROGRAM:	New Development

EXISTING LEGISLATION:

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

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

The Level I study will plan for future growth and determine options for increasing the system capacity and efficiency. The study will include water system mapping/surveying, evaluating the

Town's aging pipelines, valves, and fire hydrants. The study commenced work in August 2013 and is scheduled for the draft project report to be completed in the summer of 2014.

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

101. PROJECT: Manville Well

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$450,000	2013

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.

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

102. PROJECT: Manville Well Connection

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	1	2011	I	$450,000	2013

PROJECT INFORMATION:
The EPA Administrative Order (dated August 26, 2010) requires the Town of Manville to treat or replace their current water supply for uranium and gross alpha radiation. With

the water supplied from the 2013 Level II test production well, the Town will be blend the new well water with existing supplies to maintain uranium and gross alpha levels below the EPA MCLs

The Town of Manville is requesting Level III construction funding to connect the recently completed, Level II supply well to the Town's system. The Level III funding is requested due to the EPA Administrative Order. The funding will be used to connect the new 100-foot deep Arikaree well at the Dellview Cemetery by approximately 4,700 feet of pipeline to the Town of Manville's existing water system. The funding includes associated well appurtenances and water system telemetry.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Manville Well 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.

103. **PROJECT:** **Means First Extension Master Plan/Gillette Regional Connection**
LEVEL: II
SPONSOR: Means First Water and Sewer District
LOCATION: Campbell
PROGRAM: New Development

EXISTING LEGISLATION:
None

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be funded as a Level I study in the New Development program for the amount of $120,000.

104. **PROJECT:** **Medicine Bow River Watershed Study**
LEVEL: I
SPONSORS: Medicine Bow Conservation District
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Medicine Bow Conservation District requests a watershed study to evaluate storage opportunities, current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. This information would provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans will be included.

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

This study will develop an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information will be incorporated into development, rehabilitation and management plans complete with cost estimates for potential future project activities. The final report is expected in 2015.

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

105. PROJECT: Medicine Bow Transmission Pipeline

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

EXISTING LEGISLATION:
None

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" asbestos cement transmission line with a 12" 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. The project has currently been designed, secured the necessary easements, and has a DEQ permit to construct.

A recommendation is being made to provide grant funding of $1,052,000 for the WWDC eligible costs. This funding recommendation is for the eligible construction costs of the project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to the Level III status in the Rehabilitation Program with an appropriation of $1,052,000. The recommended financing plan includes a 35% grant with the Sponsor responsible for 65% of the project budget.

106. PROJECT: Meeteetse Master Plan

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

EXISTING LEGISLATION:
None

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated in the New Development Program at Level I with an appropriation of $125,000.

107. PROJECT: Middle North Platte River Watershed Study

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	32	2006	II	$ 200,000	2008
Level I	66	2013	I	$250,000.00	2015

PROJECT INFORMATION:
Natrona County Conservation District requested a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. This information would provide baseline information from which the

District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans are also of interest.

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

The WWDC conducted a Level II Feasibility Study for the Casper Alcova Irrigation District in 2008. Also, the Wyoming Department of Environmental Quality Water Quality Division has completed a Total Maximum Daily Load analysis of water quality of the North Platte River. This study 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 a rehabilitation and management plan complete with cost estimates for potential future project activities. The final report is expected in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

108. PROJECT: Middle Piney Dam Reservoir

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2006	III	$200,000	2014
Level II	66	2009	III	$500,000	2014

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, and makes the following recommendations:

1. Remove the existing embankment and outlet works due to their dilapidated and ineffectual condition.

2. Construct a new earthen dam at the original dam's location.

3. Construct new outlet works with the capacity to pass required irrigation flows under low head conditions and all floods up to the 100-year level without use of the auxilliary spillway.

4. Construct the intake in such a manner to prevent debris buildup and plugging.

5. Construct the auxilliary spillway to pass the Probable Maximum Flood and discharge flow away from the dam to secure its structural integrity.

6. Incorporate seepage cutoff measures into the new embankment and landslide abutment to increase storage efficiency.

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

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

Local irrigators on Middle Piney Creek have been presented with the findings of the study and ongoing data collections and are currently going through the process of forming a watershed improvement district. With the help of the Sublette County Conservation District, a petition has been drafted and is being circulated for signature, and by-laws are planned to be written.

The USFS has proposed that WWDO proceed with the NEPA analysis and disclose the effects of the proposed rehabilitation project. To facilitate a more timely process, the USFS has requested that WWDO contract with a third party to conduct the environmental analysis. In addition, meetings are proposed, between all involved parties, to clarify the ownership, operation and management of the dam in the future, and to address any other outstanding issues. Should the discussions prove favorable, WWDO will proceed with permitting and final design.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends continuation of the study under the Dams and Reservoirs Program at Level II, Phase III with an appropriation of $300,000.

109. PROJECT: Midvale Irrigation District Hydropower Study

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

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The study will determine the feasibility of building hydropower at various canal drop structures within the district's boundaries and to determine the feasibility of upgrading, and taking over, the existing Pilot Butte power plant.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends a level II study with an appropriation of $150,000.

110. PROJECT: Midvale Rehabilitation 2011

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	125	2003	II	$300,000	2007
Level II	34	2004	II	$ 75,000	2007
Level III	38	2007	II	$230,000*	2013
Level III	63	2011	II	$450,000*	2016

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the District to complete the rehabilitation projects identified in Level II studies. The replacement on the Pavillion Main E Lateral of a dilapidated concrete ditch with a buried pipeline, which is the Midvale Rehabilitation 2011 Project, is complete. The construction was performed by the district with district resources at district cost. WWDC provided grant funding for the purchase of invoiced materials.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

111. PROJECT: Midvale Rehabilitation 2012

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	125	2003	II	$300,000	2007
Level II	34	2004	II	$ 75,000	2007
Level III	38	2007	II	$230,000*	2013
Level III	63	2011	II	$450,000*	2016
Level III	14	2012	II	$945,000*	2017

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the District to complete the rehabilitation projects identified in Level II studies.

Construction is underway for the district to replace the Wyoming 15.1 Lateral concrete ditch with a buried pipeline using the 2012 appropriation. Therefore, the Midvale Rehabilitation 2012 Project is expected to be complete prior to the 2014 irrigation season. The construction is being performed by the district with district resources at district cost. WWDC is providing grant funding for the purchase of invoiced materials.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

112. PROJECT: Midvale Rehabilitation 2013

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	125	2003	II	$300,000	2007
Level II	34	2004	II	$ 75,000	2007
Level III	38	2007	II	$230,000*	2013
Level III	63	2011	II	$450,000*	2016
Level III	14	2012	II	$945,000*	2017
Level III	141	2013	II	$317,400*	2018

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the District to complete the rehabilitation projects identified in Level II studies.

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 project should take one fall/winter season to complete and will be completed in the 2014-2015 season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

113. PROJECT: Moorcroft Madison Well Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	36	2000	I	$ 355,000	2002
Level II	86	2001	I	$ 145,000	2002
Level III	69	2003	I	$2,250,000*	2008
Level III	75	2008	I	$3,865,900**	2011
Level III	63	2011	I	none	2013

*60% grant
**67% grant, replaces 2003 appropriation of $2,250,000.

PROJECT INFORMATION:
In 1992, a Level I study conducted for the Town of Moorcroft recommended construction of a new storage tank and connection piping collection system. The study also recommended that both a Lance/Fox Hills Formation well and a Madison Formation well be developed. In 1994, after the conclusion of a Level II study, the town constructed the new storage tank, system piping, and drilled a new Lance/Fox Hills test well. In 2001, the WWDC completed the Madison test well to a total depth of 3,750 feet. The well produced 600-gpm during the pump test.

The project received a construction appropriation of 60% grant in 2003. In 2008, the appropriation was changed to 67% grant and increased to $3,865,900. The balance of project funding has been acquired from specific purpose tax funds and SRF loan funds. The sponsor will also make amortized loan payments to WWDC for its share of the drilling costs of the Madison well completed in WWDC's Level II study.

Construction of this project is complete.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

114. **PROJECT:** **Moorcroft Master Plan**
LEVEL: I
SPONSOR: Town of Moorcroft
LOCATION: Crook County
PROGRAM: New Development

EXISTING LEGISLATION:
None

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

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

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

EXISTING LEGISLATION:

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

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

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

The new connection would provide the District with a redundant water supply and an existing connection to the City of Riverton should the District's wells fail. The City of Riverton and the District are both in favor of the new connection.

The engineering agreement has been signed and the district is working on obtaining water from the City of Riverton. The Riverton Water Supply Project has also caused some delay to this project since the final alignment of the pipeline has not been set. Once the final alignment of the pipeline in the Riverton Water Supply Project is determined, and a water supply agreement is signed with the City of the Riverton, the design will continue.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

116. PROJECT: Muddy Creek Basin Instream Flows

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Wyoming Game and Fish Department (WGFD) identified 4 stream reaches within the Muddy Creek Basin where instream flows are critical and unappropriated surface water appears available. These segments are located in the Muddy Creek watershed, roughly 25 miles SSW of Rawlins and 30 miles NNE of Baggs in Carbon County WGFD conducted field studies and prepared a biological report that identified the minimum amount of water necessary to maintain or improve existing fisheries. A water right application was prepared with the Wyoming Water Development Commission (WWDC) as the applicant. The application was submitted to the State Engineer's Office. The date that the application was accepted established the priority date of the water right. Per Wyoming Statute 41-3-1004 (a), the WWDC is then charged to produce an instream flow study to determine whether or not unappropriated water is available to support flows requested by the WGFD:

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

117. PROJECT: North Platte Water Yield Analysis

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

EXISTING LEGISLATION:

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

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

The concept is to update the previous work of C.A. Troendle, who completed similar water yield analysis to estimate the effects of Forest Service activities on the streamflow regime in the Platte River Basin. Dr. Troendle was retained by the USDA Forest Service, Rocky Mountain Region, and the U.S. Bureau of Reclamation to complete these studies beginning in 2000. If the funding is approved, it is envisioned that the analysis would be completed by Mr. Troendle under a sole source contract.

The previous work completed by Dr. Troendle would serve as a benchmark for the water yield with the forest condition prior to the beetle infestation. The proposed study would be based on the current status of the forest. The comparison of the previous work and the proposed 2012 analysis will provide insight into the impacts of the beetle infestation.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

118. PROJECT: Northwest Rural Northern Expansion

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III-I	14	2012	I	$ 281,400	2017
Level III-II	1	2013	I	$3,408,625	2017

PROJECT INFORMATION:
The North End Water Users (NEWU) has historically provided water to its users from three shallow wells located a few miles from Powell, Wyoming. In recent years, elevated nitrate levels in two of the wells have prompted the district to occasionally suspend using those wells. The

NEWU has been in negotiation with Northwest Rural Water District (sponsor) to have the latter provide water and take over the operations of the water supply system. It has been concluded that the entire NEWU water delivery and storage system needs to be replaced to provide satisfactory service to the water users and reduce excessive maintenance and mismatched pressure zones.

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

119. PROJECT: Nowood River Storage

LEVEL: II
SPONSOR: Nowood River Steering Committee
LOCATION: Washakie and Big Horn Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

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

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 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 have been positive and show that a Meadowlark Lake enlargement and an approximate 7,500 acre-feet reservoir on Alkali Creekappear to be the most feasible storage options. Furthermore, several potentially feasible storage sites have been 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 Meadowlark Lake and Alkali Creek sites. The additional study has focused primarily on the development of a beneficiary group, hydrologic analysis and environmental investigations. Site survey and geotechnical investigations have been carried out on the Alkali Creek site, as it currently has the most local support and appears most feasible considering land ownership.

The Nowood River Steering Committee, who has begun the process of forming a watershed improvement district, is requesting additional funding to continue the Level II, Phase II Storage Feasibility Study so as to further analyze the Alkali Creek Reservoir site. The additional work will focus primarily on stream gauging, hydrologic model refinement, cultural resource survey, economics and continued coordination with the local community and appropriate agencies. Should the additional investigation on the Alkali Creek Reservoir site prove favorable, and a legal entity is formed, the project could be recommended for Level II, Phase III design and permitting.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends additional funding , in the amount of $225,000, from the Dams and Reservoirs Program, to continue the current Level II, Phase II Storage Feasibility Study.

120. PROJECT: Osmond Pipeline Master Plan

LEVEL: I
SPONSOR: Osmond Pipeline Company
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2013	I	$75,000	2015

PROJECT INFORMATION:
The Osmond system is located in the Upper Star Valley (Salt River Drainage) with its transmission/distribution pipeline conveying from a spring, in Dry Creek canyon of the Star Valley Range, down to users on the valley floor along US HWY 89 and Wyoming State HWY 236. The pipeline company, formed in the early 1960's is served by the Osmond Spring (Permit No. 22599). The system is 50 years old and the shareholders board is seeking an updated, comprehensive evaluation for future planning purposes. The Osmond Pipeline Company was briefly reviewed in the 2009 WWDC-funded Star Valley Regional Master Plan, Water System Investigations & Evaluations.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC declined to fund the study for this project, therefore no legislative action is required.

121. PROJECT: Owl Creek Rural Water Supply

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

EXISTING LEGISLATION:

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

*67% Grant

PROJECT INFORMATION:
The 2008 Legislature appropriated $75,000 to complete a Level II study to define the interested water users and design a water supply system that would satisfy the needs of potential water users northwest of the town of Thermopolis. The Level II study defined the water users interested in participating in a Level III project and completed a preliminary design to bring water from Thermopolis to these water users. The water users are seeking funding to build two of the four phases of the project proposed in the Owl Creek Water Supply, Level II study. The two phases to be built will bring 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 towards Meeteetse, following the highway, and ends near the Hamilton Dome road. There will be need for additional storage and pumping as part of 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 project.

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 were 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 be to provide a transmission line down Missouri Flats road to additional users in the Owl Creek District. This phase of the project is currently being designed and easements are being secured. It is anticipated to go to construction in 2014.

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

122. PROJECT: Pavillion East Water Supply

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

EXISTING LEGISLATION:

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

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

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

The Pavillion East Water Supply Level III construction project commenced in October 2012. The construction contractor was selected by the design-builder in October 2013 and construction of the water-loading station and cistern systems began in late November 2013. A total of 19 cistern systems for 17 landowners have signed landowner agreements for the Phase I cistern construction project. An additional seven landowners have expressed interest for a Phase II cistern system to be constructed in 2014, pending available funding.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends $150,000 in additional funding for Phase II cisterns, for a total funding amount of $900,000.

123. PROJECT: Pavillion Water System Improvements

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

EXISTING LEGISLATION:

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

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

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

The Town is now proceeding with water system improvements through the 2013 Level III appropriation. The Level III project upgrades the existing wells, improves wellhead protection, connects the Town's wells directly to transmission lines, provides a SCADA system to improve operational control, and removal an existing standpipe tank.
The Town returned the signed agreements in November 2013 and design is starting. The project should be completed in late 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

124. PROJECT: Pine Bluffs North Well Field

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Expenditure	Due Date
Level II	8	1995	II	$ 84,576	Complete
Level III	59	1996	II	$ 132,723	Complete
Level III	96	2000	I	$1,185,639	Complete
Level III	69	2003	I	$ 212,043	Complete
Level II	34	2004	II	$ 405,770	Complete
Level III	105	2006	I	$ 325,000	Complete
Level III	90	2008	I	$ 110,240	Complete
Level III	38	2009	I	$ 319,344*	Complete

*67% grant

PROJECT INFORMATION:
The Town of Pine Bluffs was recently offered the opportunity to acquire 318 acres of land (Kimsey property) immediately north of Town along with three (3) irrigation wells and the ground water rights associated with those lands. The property contains 251.51 acres of irrigated farm land recently (2011, 2102, 2013) planted with corn, oats, and alfalfa hay. The request to the WWDC is for the lands, wells, change-of-use/transfer of water rights, replacing/retrofitting the irrigation wells to meet WDEQ-WQD public water supply regulations, manifold piping, SCADA, and transmission pipeline to Pine Bluffs' system. Water levels continue to decline in the High Plains Aquifer and the Town's Brule Wells have been particularly hard hit. Of the original six Town Brule wells, only two remain operational and their production has decreased by over 50%. The remaining water supply is dependent on two deep (lance/Fox hills) wells and a newly drilled (2004) High Plains Aquifer well. The Lance/Fox Hills wells are not impacted by local farming practices, do meet EPA drinking water standards, but due to high sodium levels cannot be used

for lawn irrigation without dilution by Brule water. This Level III application, if approved 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 wishes to purchase the wells, necessary land, water rights to allow the construction and operation of an improved water supply system that provides source redundancy and meets long term quantity and quality needs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Pine Bluffs North Well Field project be incorporated into the New Development program at Level III with an appropriation of $2,300,000. WWDC financing will be 67% grant and 33% loan.

125. PROJECT: Pinedale Hydropower
LEVEL: New Application (Level II)
SPONSOR: Town of Pinedale
LOCATION: Sublette County
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The study will update the previous hydropower study and include a new alternative to consider a low head dam structure where a previous hydropower plant was located.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends a level II study with an appropriation of $125,000.

126. PROJECT: Pinedale Pipelines
LEVEL: III
SPONSOR: Town of Pinedale
LOCATION: Sublette County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	85	2007	I	$ 210,000	2009
Level III	38	2009	I	$7,900,000*	2014
Level III	68	2010	I	$3,570,000*	2014

* 67% grant, 33% loan

PROJECT INFORMATION:
The Pinedale Master Plan identified that improvements to east and west transmission lines should be priority projects. The Pinedale east transmission line project replaced an existing water supply transmission line to increase water capacity, and improve water pressure and fire flow capability. The west transmission line will connect two existing transmission lines to create a looped system, which will improve water delivery, pressure, and fire flows.

The anticipated budget for both pipelines was estimated to be $11,470,000. Due to funding constraints, the WWDC had to phase the funding for the project. The 2009 Legislature

appropriated $7,900,000 for the design and construction of the east transmission pipeline and design only of the west transmission pipeline. The 2010 Legislature appropriated $3,570,000 for construction of the west transmission line.

Issuance of a U.S. Forest Service Special Use Permit for the east transmission line was obtained in November 2009. Design of this line was completed in December 2009 and a contract for the construction was awarded in April 2010. Work on the east transmission line was completed in December 2010. Design of the west transmission line was completed in August 2011 with a construction contract awarded in October 2011. Construction of the pipeline portion of the project was completed in 2012; however, the remaining task to be completed is the chlorination system and building. Project completion is anticipated for Spring 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

127. PROJECT: Pine Haven Tank and Well Study

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

EXISTING LEGISLATION:

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

128. **PROJECT:** **Piney Cruse Diversion**
LEVEL: New Application (Level II)
SPONSOR: Piney Cruse Creek Ditch Company Irrigation District
LOCATION: Sheridan County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	04	34	II	$73,200	2005

PROJECT INFORMATION:
The Piney Cruse Creek Ditch Company Irrigation District surface irrigation water diversion is located on South Piney Creek. Water is conveyed from this diversion through the Town of Story to North Piney Creek where it is diverted into the District's irrigation delivery system. The District is requesting a Level II Feasibility Study of the South Piney diversion and conveyance system to determine rehabilitation or replacement alternatives and cost estimates. There was reconnaissance level study done for this area titled Meade Creek Ditch Rehabilitation, June 2005.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level II status with an appropriation of $75,000.00.

129. **PROJECT:** **Piney & Cruse Canal Piping**
LEVEL: New Application (Level III)
SPONSOR: Piney Cruse Creek Ditch Company Irrigation District
LOCATION: Sheridan County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	04	34	II	$73,200	2005

PROJECT INFORMATION:
The Piney Cruse Creek Ditch Company Irrigation District surface irrigation water diversion is located on South Piney Creek. Water is conveyed from this diversion through the Town of Story to North Piney Creek where it is diverted into the District's irrigation delivery system. The District is requesting a Level II Feasibility Study of the South Piney diversion and conveyance system to determine rehabilitation or replacement alternatives and cost estimates. There was reconnaissance level study done for this area titled Meade Creek Ditch Rehabilitation, June 2005.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $855,000.00.

130. **PROJECT:** **Platte River Basin Plan - Groundwater**
LEVEL: I
SPONSOR: WWDC
LOCATION: Platte River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

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

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

An agreement was developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System to conduct the study. As of December 2011, all aquifers within the Platte River Basin have been inventoried and described. The aquifers have been mapped and recharge areas identified. Currently researchers are describing the hydraulic properties of the aquifers, and assessing the quantity and quality of available groundwater. In the coming months, the tasks to be accomplished are to estimate aquifer recharge rates, storage quantities and discharge rates. The Platte River Basin Groundwater Report should be available in ~~the spring of~~ late 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

131. PROJECT: Platte River Basin Plan Update

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

EXISTING LEGISLATION:

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

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 Basins, and the Northeast Wyoming River Basins Plans. Those plans were completed in February 2002. The next basin plans undertaken were the Wind/Bighorn and the Snake/Salt River Basins and they were completed in 2003. The Platte River Basin Plan was funded in 2003 and completed in May of 2006. With completion of the Platte River Plan, the first round of river basin plans was complete. The State 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 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. In 2007 the Water Development Office requested funding to update the surface and groundwater portions of Green River Basin plan, it was completed in 2010. In 2008, the Office requested $500,000 to update the surface and

groundwater portions of the Wind/Bighorn (WB) River Basin Plan. Updates to the Bear River Basin Surface Water Plan were completed in house in 2011. Updates to the Snake/Salt River Basin Surface Water Plan are also being completed in house with an anticipated completion of December 2013.

In addition to the surface water plan updates, an agreement was developed between the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming, Water Resources Data System, to conduct groundwater resources evaluations in the Bear, Green, Wind/Bighorn, Snake/Salt, and Platte River Basins. Groundwater Updates have been completed for the Green and Wind/Bighorn River Basins. The completion of the Platte River Basin Groundwater Update is anticipated at the end of 2013. It is anticipated that the Bear and Snake/Salt Groundwater Updates to be released for public comment in the spring of 2014 and finalized by July 2014.

With the ten year anniversary of the 2007 Framework Water Plan rapidly approaching it is important to begin the Platte River Basin Surface Water Plan update in 2014. This will include an update of all the information that was developed in the first Platte River Basin Plan and the development of Subbasin Spreadsheet Models. Spreadsheet models were not included in the 2006 plan.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Platte River Basin Plan Update be incorporated into the New Development program at Level I status, with an appropriation of $350,000.

132. PROJECT: Poison Spider Pipelines

LEVEL: III
SPONSOR: Poison Spider Improvement and Service District
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	43	1992	I	$ 50,000	1994
Level III	206	1995	I	$ 640,000*	1998
Level II	66	2009	I	$ 100,000	2010
Level III	63	2011	I	$1,036,000*	2015

*67% grant, 33% loan

PROJECT INFORMATION:
The District's potable water delivery system was constructed in the late 1960's and initially served about 25 customers. It consists of approximately twelve miles of buried pipelines. Because of the vast size and topographic diversity of the service area and to reduce costs, the delivery system was constructed of small diameter thin walled plastic piping. Because of the low flow capability of the delivery system, it was necessary for each user to construct a buried cistern to store water. A pumping system consisting of a pump and pressure tank is used to deliver the water from the cistern to the house in the quantity and pressure required by the homeowner. Much of the current water delivery system is 40 years old and has been experiencing increasing leaks, failures, and maintenance costs. In addition, many of the buried cisterns are not well maintained and are the source of contamination from insects, rodents and other undesirable elements.

A Level II study was undertaken in 2009, which evaluated the feasibility of replacing portions of the delivery system with new modern piping, sized large enough to meet the current and projected flow demands of the system, and allowing for the elimination of the cisterns. Opportunities to provide service to new homes and other potential water customers (not currently served by the old system) were also evaluated.

The District requested Level III construction funds to construct several new water pipelines for the purposes of providing service to approximately fifteen new customers and replace existing undersized pipelines in areas where significant system pressure issues exist. Letters of support for the project were sent from both the Central Wyoming Regional Water System and the Natrona County Commissioners.

In 2011, the District received a Level III New Development project with an appropriation of $1,036,000 (67% grant, and 33% loan). The District secured the services of an engineering firm and initiated the design process. During 2012, the project design was completed, the necessary easements were secured and the project was successfully bid and awarded. The project has entered into construction and the project was completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

133. PROJECT: Probable Maximum Precipitation Study

SPONSOR: Wyoming Water Development Office/Wyoming State Engineer's Office and the Natural Resources Conservation Service
LEVEL: II
LOCATION: Statewide
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:
Major cost components for construction of a new dam often include the construction of a service and emergency spillway at high hazard dam sites. A high hazard dam is one where loss of life can be expected due to a failure of a dam. A significant hazard dam is one that where a loss of a million dollars or more is experienced due to dam failure. If a dam is classified as being either a significant or high hazard dam, probable maximum precipitation (PMP) estimates are necessary for computing the probable maximum flood (design storm), which is used to size spillway facilities.

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

To take advantage of additional climate and large storm data now available (as measured from the time the existing HMRs were written), several states, including Nebraska, Montana,

Colorado, and New Mexico, have undergone the expense of conducting new PMP studies. As a result of the PMP studies, the sizes of reservoir spillways have been reduced by 20 to 40 percent.

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

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

During the peer review, the Board of Consultants (those conducting the peer review) suggested that Wyoming consider expanding the scope to include warm and cool season analyses to more accurately account for snowfall and to more accurately estimate its influence when it comes to sizing dam and reservoir spillways. The cool-season analysis should focus on the rain-on-snow phenomena that occasionally occur in the spring.

The study is on track and should be finished spring 2014. The study will incorporate the major convective storm which caused food damage along the Colorado Front Range during summer 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is recommended.

134. PROJECT: Rawlins Atlantic Rim Reservoir

LEVEL: III
SPONSOR: City of Rawlins
LOCATION: Carbon County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$ 150,000	2009
Level III	68	2010	II	$4,000,000*	2015
Level III	63	2011	II	$2,600,000*	2015

*67% grant, 33% loan

PROJECT INFORMATION:
In 2009, the City of Rawlins requested $16,415,000 for the construction of the pipeline and a re-regulating reservoir to replace the Atlantic Rim Reservoir. Due to budget restraints, the WWDC needed to phase the project. At the recommendation of the WWDC, the 2009 Legislature approved a Level III appropriation of $1,350,000 for the design, legal assistance, and land acquisition for the pipeline and re-regulation reservoir.

In 2009, through additional investigations, it was decided to pursue the rehabilitation of Atlantic Rim Reservoir, with a capacity of 644 acre-feet, rather than construct a new re-regulating

reservoir. This reduced the total project budget by approximately $8,000,000. Since the project changed from the New Development Program (construction of a new reservoir project) to the Rehabilitation Program (repair of the existing Atlantic Rim Reservoir), the funding source was changed to Water Development Account II in 2010.

During 2010, the geotechnical engineering study concluded that the reservoir project needed additional funding for construction of the proposed liner. In particular, it became necessary to construct a drainage system under the liner to ensure the liner is not impacted by the high water table. In 2011, the WWDC recommended additional funding of $2,600,000 to complete this project. Even with this additional funding, the rehabilitation of the existing reservoir is still $5,400,000 less than constructing a new reservoir.

The design of the project was completed and construction bids were received in the fall of 2011. The project was substantially complete in October 2012. In 2013, the Mortgage payment schedule was sent to the sponsor.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

135. PROJECT: Reliance Water Supply

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

EXISTING LEGISLATION

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$ 250,000	2007
Level I	85	2007	I	$ 220,000	2010
Level II	66	2009	I	$ 350,000	2011
Level III	63	2011	I	$1,742,000*	2016

*67% grant

PROJECT INFORMATION:
The 2005 and 2007 Legislatures appropriated $250,000 and $220,000, respectively, for the Green River-Rock Springs-Sweetwater County Master Plan. The master plan identified two high priorities: a raw water management study and the Reliance area storage and transmission study. In 2009, the legislature appropriated $350,000 to complete the GR-RS-SC JPB Water Supplies Level II study that identified a new storage tank, relocation of an actuated valve, and an associated chlorine booster station as necessary upgrades for the Reliance area.

The 2011 Legislature appropriated $1,742,000 (67% grant) for design, permitting and construction of the new tank. An engineering design contract was authorized in September 2011. Tank construction was substantially completed in December 2012 and the project was completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

136. PROJECT: Riverton Valley Rehabilitation 2013

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$ 40,000	2002
Level III	88	2002	II	$335,000	2007
Level III	38	2009	II	$ 79,000	2014
Level III	38	2009	II	$600,000	2014
Level III	141	2013	II	$137,000	2018

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

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

The Project has been designed and bid and is under construction. The construction should be complete by the summer of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

137. PROJECT: Riverton Valley Rehabilitation 2014

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$ 40,000	2002
Level III	88	2002	II	$335,000	2007
Level III	38	2009	II	$ 79,000	2014
Level III	38	2009	II	$600,000	2014
Level III	141	2013	II	$137,000	2018

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

The district has identified two problem laterals that are in need of rehabilitation due to tree root blockage. These laterals were piped to accommodate the growth of Riverton and are now located under trees, sheds, lawns, utilities, etc. The WWDC did not participate in the piping of these laterals. The district proposes to clean and line the laterals with HDPE pipe. The district is requesting funding to camera, clean, and line two of its concrete piped laterals. The cleaning and lining will prevent overflows, leakage, and seepage by eliminating the line blockage. The project will be designed and bid by fall of 2014, with the construction completed by the summer of 2015.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to Level III status in the Rehabilitation Program with an appropriation of $ 136,680. This will be a grant for 67% of the costs with 33% of the costs being provided by the District.

138. PROJECT: Riverton Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$ 300,000	2006
Level II	99	2006	II	$ 125,000	2008
Level III	38	2009	I	$4,958,800*	2014
Level III	66	2010	I	$2,125,200*	2014

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

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

The budget for the entire project is $9,200,000 of which the City is responsible for 23%. Due to funding constraints, the WWDC had to phase the funding for the project. The 2009 Legislature appropriated funding for the construction of a 2 million gallon storage tank and pipelines to connect the well and tank to the distribution system. The legislation also authorized the purchase of the Level II well. The 2010 Legislature provided the remaining funding for additional piping and valves. The sponsor has completed the design process for Phase I (JCC transmission pipeline) and construction was completed in late 2012. The design of phase II (tank) has been completed with construction beginning in the fall of 2012. The tank was completed in the fall of 2013. The completion of the pumping stations has been delayed by problems in receiving materials and should be completed in early 2014. Phase IV (valves and vaults) design will be completed in 2014 with construction to begin in late 2014. Phase V (pressure zone 4 transmission pipeline) will be designed by late 2014 with construction to follow in the spring of 2015.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending extending the reversion date from July 2014 to July 2015

139. PROJECT: Rock River Transmission Line Replacement

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	1998	II	$670,000	2002

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending this project be advanced to Level III status in the Rehabilitation Program with an appropriation of $1,159,100. The recommended financing plan includes a 67% grant, with the Sponsor being responsible for 33% of the project budget.

140. PROJECT: Rolling Hills Water Supply

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

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends 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. WWDC financing will be a 67% grant, the Sponsor is responsible for the remaining and 33% loan.

141. PROJECT: Savery Creek Diversions Phase II

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

EXISTING LEGISLATION:

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

The Savery-Little Snake Water Conservancy District requested funding to replace two diversion structures on Savery Creek that have failed due to recent spring snowmelt/run off events. The project also includes construction of two new diversion structures on Savery Creek and the replacement of an existing diversion structure on the Little Snake River. The Project will provide service to various ditch companies and landowners involved in production agriculture within the Savery Creek watershed. The Project will also provide service to landowners within the Little Snake River watershed near the Little Snake River Savery Creek confluence. During their respective December 2012 meetings, the WWDC and Select Water Committee recommended that the legislature appropriate $1,900,000 to fund the project.

This project is similar to another ongoing Level III project located in the lower main-stem of the Little Snake River Valley near Baggs, Wyoming that is currently under construction. Although it includes the reconstruction/rehabilitation of a main stem Little Snake River Diversion (higher in the drainage than those currently under construction), the emphasis of the Savery Creek Diversions Phase II is construction of two new diversions and replacement of two existing diversions on Savery Creek. Construction Agreements have not been signed.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action recommended

142. PROJECT: Shell Canal Tunnel Rehabilitation

LEVEL: III
SPONSOR: Shell Valley Watershed Improvement District
LOCATION: Big Horn County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$ 300,000	2010
Level II	32	2010	I	$ 150,000	2012
Level II	14	2012	II	$1,220,000	2017

PROJECT INFORMATION:

The Shell Canal Tunnel was built in the early 1900's and was constructed of concrete, but without the use of steel reinforcement. The 562 foot long tunnel carried water to irrigate approximately 3,774 acres.

The structure was evaluated at a reconnaissance level in the Shell Valley Watershed Level I Study and more thoroughly with the completion of the Shell Canal Tunnel Level II Feasibility Study. Visual and geotechnical inspections carried out during the Level II study clearly indicated that the structure had outlived its useful design life and was in need of rehabilitation. Furthermore, the study analyzed rehabilitation alternatives and provided practical and constructible solutions.

During the 2012 Budget Session, the Shell Valley Watershed Improvement District, with the support of the Shell Canal Company, requested and received Level III funding to carry out the "open cut" alternative for rehabilitation of the Shell Canal Tunnel. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years. A construction contract was awarded in the fall of 2012. Construction on excavating the existing tunnel and providing for an open channel was substantially complete as of February 21, 2013. The Contractor completed construction in April 2013, on time and before irrigation commenced. The appropriation will be kept open until the 2014 irrigation season so a determination can be made as to whether any additional items need to be addressed. To date, expenditures for engineering, paleontology and construction contracts have totaled approximately $600,000, well under budget.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

143. PROJECT: Shell Valley Storage

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

EXISTING LEGISLATION:

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

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 has 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 has 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. Initial indications are that the slickenslides are not continuous and therefore are not a significant concern. However, foundation materials are variable and areas of weakness will warrant more conservative dam slopes. Further evaluation and geotechnical considerations will need to take place.

With the reallocation of funds to analyze issues crucial to the feasibility of the Upper Leavitt Reservoir site, supplemental funding is being requested to complete the Level II, Phase II Storage Feasibility Study. The additional funds should advance the project to the point where it's ready for the design and permitting phase or conversely, that the project is fatally flawed and should not be considered further.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends additional funding, in the amount of $150,000, from the Dams and Reservoirs Program, to continue the current Level II, Phase II Storage Feasibility Study.

144. PROJECT: Sheridan North Loop Transmission Line

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

EXISTING LEGISLATION:

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

*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 is requesting 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 proposed pipeline would provide additional supply capacity, fire flow delivery and system redundancy through a hydraulic connection between two major parts of the water system. The pipeline would also provide service to the proposed 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 and WWDC. The project has secured the necessary easements, and is finalizing the design and acquiring the necessary permits. The project is anticipated to be bid and have construction start in 2014.

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 is 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. The City is requesting additional funding to cover these unanticipated additional project costs. A recommendation is being made to increase grant funding by $148,000 for the WWDC eligible costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III appropriation in the New Development Program by $148,000, from $1,566,460 to $1,714,460. The financing plan will remain the same with a 67% grant and the Sponsor responsible for 33% of the project costs.

145. PROJECT: Sheridan Northwest/Big Goose Tanks

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	121	2007	I	$5,260,840*	2014

*67% grant

PROJECT INFORMATION:
Sheridan Northwest Tank
In December 2005, a Level II study was completed for the City of Sheridan to study the needs of the areas northwest of Sheridan including the Veteran's Administration Medical Center. This area is anticipated to grow in the near future and Sheridan is preparing for that growth. This project includes a new one-million gallon treated water storage tank, a new pump station to supply the tank, and three miles of new transmission line to serve the VA Medical Center.

Design was completed in mid-2009. Favorable construction bids were received and the project was successfully awarded. The project was constructed from 2010 to mid-2011. Project construction is finished and the project is operating as intended.

Sheridan Big Goose Tank

In October 2002, a Level II study referred to as the Sheridan Hydropower Study was completed. It addressed water supply needs within the Big Goose Valley. In 2007, Sheridan received funding for a new 1.5 million gallon treated storage tank near the Big Goose Water Treatment Plant.

During 2010, the city focused on addressing easement issues and working with the engineer designing the project. During 2011, the engineer finalized the design and successfully bid and awarded the project. The construction of the project has taken place through most of 2012 and was completed in late 2012. The project entered the close-out phase and was finalized in 2013.

Both projects are operational and are functioning as intended. The remaining project funds have been reverted to the WWDC and the project appropriation has been closed out.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

146. PROJECT: Sheridan Supplemental Storage

LEVEL: II
SPONSOR: City of Sheridan
LOCATION: Sheridan County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	105	2006	III	$350,000	2010
Level II (Phase II)	57	2012	III	$250,000	2015

PROJECT INFORMATION:

The City of Sheridan is interested in developing additional water supplies to meet demands due to ongoing growth and development. The recently completed Sheridan Supplemental Storage Level II Study concluded that Sheridan (City) and the Sheridan Area Water Supply System should focus on acquiring Sawmill Reservoir and 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), 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 review when developing a "preferred alternative." Acquiring shares or acquiring existing reservoirs would undoubtedly 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. The engineering scope of services for an ongoing Level II, Phase II study includes a review of the structural integrity of Sawmill and Park reservoirs. The Level II, Phase II study also includes an analysis of the

improvements needed at Sawmill Reservoir to serve municipal and rural domestic needs within Sheridan and surrounding Sheridan County (SAWS service area). The owners of both facilities have agreed to grant access to their facilities during the term of the study.

The "scope of work" for the ongoing study includes 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 will also address the need to acquire a Special Use Permit issued by the Forest Service for construction of an access road to access Sawmill Dam.

Acquisition of Park reservoir shares, including documenting the difference in ownership of the A and B shares, identifying a management strategy during water-short years, and documenting a strategy for purchasing said shares from Park Reservoir is included in the analysis. The study will also include an economic analysis and estimate of fair market value for acquiring Park Reservoir shares and for purchase of Sawmill Reservoir. The project will be completed in December 2013.

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

147. PROJECT: Shoshone Irrigation District Rehabilitation Projects

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	II	$300,000	2008
Level III	63	2011	II	$585,000*	2016
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. Construction of the Shoshone Rehabilitation 2011 Project is complete.

The Shoshone Rehabilitation 2013 Project consists of replacing two concrete drop structures on the Garland Canal, and replacing four ditch segments with buried pipe. Both drop structures are over one-hundred years old, deteriorated and 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 24,430 feet, serving about 1,078 acres.

Materials delivery and construction of Laterals 7V 9-16, 12T, and 16T 16-19, and Garland Canal Drop #27 has begun and should be completed prior to the 2014 irrigation season. After the work anticipated for the fall of 2014 is designed and constructed, the project should be completed in 2015.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

148. PROJECT: Sidon Irrigation District Rehabilitation 2014

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

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The sponsor has requested 100% grant funds to finance the purchase of invoiced materials to replace four ditches with pipe. The sponsor will construct the facilities and will finance the engineering, land rights, and permits, and provide labor, equipment, and other resources necessary for construction of the project.

The project consists of replacing four ditch segments with buried pipe, representing a total of about 5,100 feet of pipe. Construction is anticipated to begin in the fall of 2014 and will be complete prior to the 2015 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Sidon ID Rehabilitation 2014 Project be incorporated at Level III status into the Rehabilitation Program with an appropriation of $109,000. 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.

149. PROJECT: Small Water Development Projects

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

EXISTING LEGISLATION-New Development

Purpose	Chapter	Session	Account	Appropriation	Due Date
Small Projects	88	2002	I	$500,000	
Small Projects	118	2004	I	$750,000	
Small Projects	114	2005	I	$500,000	
Small Projects	32	2010	I	$200,000	
Small Projects	14	2011	I	$300,000	2013

EXISTING LEGISLATION-Rehabilitation

Purpose	Chapter	Session	Account	Appropriation	Due Date
Small Projects	88	2002	II	$500,000	
Small Projects	118	2004	II	$750,000	
Small Projects	114	2005	II	$500,000	
Small Projects	32	2010	II	-$200,000	2013

PROJECT INFORMATION:

Pursuant to W.S. 99-3-703(j)(vii) and 99-3-704(g)(vii), a small project is a project in which estimated construction or rehabilitation costs, permit procurement, construction engineering and project land procurement are one hundred thousand dollars ($100,000.00) or less and where the maximum financial contribution from the WWDC is twenty-five thousand dollars ($25,000.00) or less.

Projects may include new development or rehabilitation of small reservoirs, pipelines, wells, windmills, springs, wetland developments, solar platforms, and irrigation conveyance facilities. Projects must provide a public benefit through mitigation of water quality impairments, enhancement of threatened or endangered species habitat, the development or enhancement of habitat and water for fish and wildlife, increased recreational opportunities, provide water for maintenance of the integrity and vitality of plant and animal communities, serve as instruments to improve rangeland condition, or make beneficial use of water, as documented in a WWDC Level I watershed study.

The 2007 Legislature placed a hold on authorization of any new small water projects on or after April 1, 2010. The 2010 Legislature transferred $200,000 from Rehabilitation Account II to New Development Account I to keep the programs active and balance the available funds in the New Development and Rehabilitation Accounts without increasing the total investment in the Small Water Project Program. Also, the Small Water Project Program was extended to July 1, 2012.

Following is a listing of projects approved in 2003:

Account I – New Development	Account II - Rehabilitation
Diamond S Ranch Pipeline*	Russell Ranch Pipeline*
Central Well*	Diamond S Ranch Well*
Big Bend Pasture Well*	Big Sandy Pipeline*
Emigrant/Four Mile Pits*	Coyote Reservoirs*
Perino Pipeline*	Cabin Creek Water Development*
Gooseberry Creek Ranch Well*	TY Ranch Pipeline*
Big Horn River Ranch Pipeline*	Old Steve Adams Duck Pond*
East Dry Creek #1 Well*	Poison Buttes/Cottonwood Ponds*
Crowfoot Ranch Well*	Jones Water Project*
Jensen Wash Well*	Dixon Summer Project*
Migration Well*	Croonberg Water Development*
Asperation Well*	
Gasson Well #2*	
Bench Well*	
Four Mile Gulch Well*	
Bad Land Well*	
Twelve Mile Sink Well*	
Lombard Well*	
Emigrant Well*	
Blue Forest Well*	

Following is a listing of projects approved in 2004:

Account I – New Development	Account II – Rehabilitation
Antelope Hills Water Well*	Henthorne Pipeline*
Range Unit 40 Young Bench Well*	Hay Creek Project*
Aaron Carollow Livestock*	South Coffee Project*
Antone Swanda Well & Pipeline*	RangeUnit40CrowheartButtePipeline*

Gordon Pries Irrigation Pipeline/Pond*
Cherokee Allotment Ground Water*
Chant Water Well #1*
Springfield Ranch-Laramie Plains*
Butte Water Development*
PH Livestock Fillmore Pasture*
Black Thunder Watershed Project*
Basin Allotment Project*
Dobie Ridge Project*
Muddy Creek Ox Bow Restoration*
Chant Stock Ponds #7 & #8*
Bridger Pass #5 Stock Pond*
Coal Gulch Grade Control/Diversion*
Vineyard Ranch Small Water Project*
Range Unit 38 Water Rocks Pipeline*
Double Tanks Pipeline*
Blakely Big Draw*
Jones Bros. 2-B & #8 Reservoirs*
Morrisey Pipeline Rehabilitation*
Big Poddy Creek Pipeline*
Mishurda Mtn.Ranch, Phase2 Pipeline*
Struempf Ponds*
Lodgepole Water Project*
Red Butte Water Project*
Muley Meadows Pipeline*
Little Jack Res., South Flat Top*
Irvine Ranch Small Water Project*

Following is a listing of projects approved in 2005:

Account I – New Development	Account II – Rehabilitation
Upper Nowater Stock Well & Storage*	Six Mile Spring Development*
Hall Butte Reservoir Project*	Canyon Springs Prairie Pipeline*
West Keester Project*	Upper Beaver Creek Pipeline*
	Sun Land & Cattle Co. Project*
	Neiber Pipeline Project*
	Pole Mountain Water Development*

Following is a listing of projects approved in 2006:

Account I – New Development	Account II – Rehabilitation
Bunch-Wetland Restoration*	Baird-Sand Draw Pipeline*
Hall Butte Range Water Development*	Hall Butte Stock Pond Rehab*
Jones Pond #1 Red Hole & Offsite Water*	Henthorne Stock Ponds Rehab*
Jones Pond #2 Red Hole*	Jones Pipeline & Storage Tank*
Jones Pond #3 Red Hole*	Reed Reservoir*
Reed Pipeline*	Russell Ranch Stock Pond Rehab*
Russell Ranch Wetland Restoration*	V-Ventures Boxcars Rehab*
Hibbard Stock Rest Water Development*	V-Ventures West Kirby Pond Rehab*
Kaycee Stock Rest Water Development*	V-Ventures Below Frost Pipeline*
Casey Jones Well*	V-Ventures-Wetland Rehab*
Dull Center Well*	Whitt-Homestead Pipeline*
East Woody & NW Ireton Wells*	Government Reservoir Water Devel*
Frog Creek Well*	JJ Springs Water Development*
Gordon Well*	Mud Springs/Arch Cr Water Devel*
Hardesty Well*	Downs Solar Pipeline*
Hills Well*	East Pasture-South Pipeline*
Iberlin Bobcat Well*	Lona Solar*
Iberlin Solar Well*	Tracy Solar Systems*
Lower Horse Section 35 Well*	2Coyote-East Pipeline*
M Creek Section 26 Well*	2 Coyote Pipeline*
Neumiller Section 15 Well*	2 Coyote Storage*
Neumiller Upper Meadow Portable Solar*	West Horse Underground Pipeline*
North M Creek*	Tracy Wells*
Rock Well*	Rothleutner Stock Tanks*
South M Creek*	Upper Antelope-Coal Bank Pipeline*

Riehle Well*
Rothleutner Solar Well*
Rochelle Hills Spring Development*
West Railroad Well*

Following is a listing of projects approved in 2008:

Account I – New Development	Account II – Rehabilitation
Little Grass Creek Water Development*	
West Prospect, Otty, Urwin Pipeline*	

Following is a listing of projects approved in 2009:

Account I – New Development	Account II – Rehabilitation
Arkansas Creek Stockwater Pipeline*	Jesse Brown Ditch Diversion*
Dickie 21/Bear Cr./Urwin 21 Pipeline	Littlejohn Ditch Turnout*
Grass Creek Divide*	Sawmill Creek Headgate*
Horse Pasture Putney Flat Pipeline*	
LU Farm Pivot Diversion*	
North Prospect Pipeline*	
Pats Draw Pipeline*	
Putney School Section Pipeline*	
Ramul 21 Pipeline	
Reds Creek Pasture Pipeline*	
Spring Gulch Pipeline	
Wagonhound Spring Pipeline*	

Following is a listing of projects approved in 2010:

Account I – New Development	Account II – Rehabilitation
Coal Bank Pipeline*	Bond #1 Well*
Keyton Creek Spring Development*	Bond #2 Well*
Lower Antelope North Pipeline*	Enterprise Ditch Bifurcation*
Rock well Pipeline*	Kirby Ditch Headgate*
Lower Antelope South Pipeline*	M Creek Pipeline*
West Spring Gulch Pipeline*	North M Creek 14-1 Well*
West Dorr 1-1 Well Pipeline*	
Wohlford TB-6A Well*	

Following is a listing of projects approved in 2011:

Account I – New Development	Account II – Rehabilitation
Pellatz North Well*	Anita Ditch Pipeline
River Well*	West Allotment Pipeline*
TB 231*	
Lower Frog Creek Well*	
Henthorne Solar Project*	
Jones Pond #2 Diversion Pipeline*	
Jones Wildhorse Spring Pipeline*	
MMR Lake Creek Spring Development	
MMR Rock Spring Development*	
MMR Towers Spring Development	
Dam Teresa	
Airport Pipeline	

West Alkali Pipeline
East Alkali Pipeline*
Mesa Well

Following is a listing of projects approved in 2012:

Account I – New Development	Account II – Rehabilitation
Beef Pasture Pipeline	Pellatz Spreader
Canyon Spring*	220 Jacobs TB081B Well
Cook Spring*	Kruse Ranch Dam
Edwards-Robinson South*	Jim's Meadow Pipeline*
Hazen Draw ProjectPellatz Pipeline	
214 Jacobs W20-1 Well	
216 Jacobs W29-1Well	

Following is a listing of projects approved in 2013:

Account I – New Development	Account II – Rehabilitation
BLM Wild Horse	Ashley Wolf Headgate
Iberlin Pipeline	BLM Reservoir
Oaks Pasture	BLM Solar
Patterson Upland	Ditch Ck. Solar
Reservoir #3	Ditch Creek Irrigatation
TB 020B Pipeline	Diversion Point
246 Rothluetner	TB 099B
Dexter Pipeline	Grass Creek Spring
	Scott Ditch Headgate
	Solar Well*
	TB 261

*Projects completed or expired as of 12/31/13

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Small Water Project Program be extended through 2025; $600,000.00 be appropriated into New Development Account I; $300,000.00 be appropriated into Rehabilitation Account II; the total estimated cost per project increased to $135,000.00; the total grant available per project increased to 50% of total eligible project costs not to exceed $35,000.00.

150. PROJECT: Snake/Salt River Basin – Groundwater Analysis

LEVEL: I
SPONSOR: WWDC
LOCATION: Snake/Salt River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level	I	2011	I	$250,000	2014

PROJECT INFORMATION:
Groundwater is an important resource in the Wyoming Snake/Salt River Basin. To update the groundwater portion of the previous basin plan and to provide more detail on groundwater, the Water Development Office is conducting a detailed evaluation of the groundwater resources in the basin. The study includes analysis of groundwater use, storage, and recharge for aquifers

within the basin. An agreement has been developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System, to conduct the study.

The Snake/Salt River Basin Groundwater Project is progressing according to schedule with a public draft anticipated early in 2014.

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

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

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III*	206/59/38	1995/96/98	I	$ 6,230,000	Complete

* Combined funds that succeeded in building the system that connected the Wild Horse well field with rural users and municipal users in Basin and Manderson.

PROJECT INFORMATION:
SBHCRWD was a founding entity for eastern Big Horn Basin regional water supply in the mid 1990's which has since expanded under the cooperative umbrella of the Big Horn Regional Joint Powers Board. Big Horn Regional now serves users in Hot Springs County, Washakie County, and Big Horn County from Lucerne to Greybull with Madison aquifer supply from the Worland, Manderson, and Shell well fields. Incremental growth of the regional service area was foreseen and this application represents the local desire for replacing deficient domestic supplies with reliable and safe drinking water in an expansion up the Greybull River corridor. The sponsor is seeking a Level II feasibility study to include conceptual plan, cost estimates and financing options. The study will also complete a Level II approach for extending Big Horn Regional Joint Powers Board water beyond and through inhabited rural areas (Otto) along HWY 30 to the Town of Burlington.

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

152. PROJECT: South Circle Estates Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$ 50,000	2009
Level I	32	2010	I	$ 30,000	2010
Level III	63	2011	I	$321,600*	2016

*67% Grant with no loan the District is acquiring the remaining 33% from other sources.

PROJECT INFORMATION:

The South Circle Estates is a subdivision just outside of the Town of Ten Sleep. The original developer of the subdivision installed a water system that has functioned for the Improvement and Service District for the last thirty years. Recently, the age of the pipe has taken its toll on the district with multiple breaks and leaks. In addition to line breaks, the district has experienced low water system pressure. Currently, the district has no storage and no redundancy in the event that there are problems with the well or pipelines.

Water from a shared flowing well is used by the district for domestic water needs and irrigation of small parcels. The irrigation lines are separate from the domestic lines and are much larger in size. Additionally, several of the district members have pasture adjacent to their houses which they irrigate with their share of the well water. The district was reported to have a total of 20 domestic taps.

In 2008, the district requested a Level I study to analyze their system and determine what improvements were necessary. Water samples taken from the district well as a part of the Level I study indicated elevated radionuclides. As a result of the water quality analysis, the district requested additional Level I funding in 2010 to focus on a connection to the Town of Ten Sleep's water system.

The 2010 Level I report recommended the District connect to the Town of Ten Sleep's water supply system. In 2011 the district received Level III funding for the project which consists of constructing approximately 4,000 lineal feet of transmission pipeline. The pipeline will only serve the domestic water supply demands of South Circle Estates.

Also, in 2011, the Town of Ten Sleep received WWDC funding for the construction of a tank and transmission line that connects to the Ten Sleep water system. The South Circle District will tap their transmission line off of the transmission line to the Town of Ten Sleep. The Ten Sleep and South Circle projects will be designed separately. For additional information, please refer to the Ten Sleep Storage Tank Project.

A Project Agreement was completed with the district after they successfully completed a water purchase agreement with the Town of Ten Sleep. The district has selected an Engineering who is in the process of designing the transmission line.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

153. PROJECT: South Laramie Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	I	$ 330,000	2006
Level II	75	2007	I	$ 260,000	2008
Level II	66	2009	I	$ 100,000	2010
Level III	68	2010	I	$3,100,000*	2015
Level III	14	2012	I	$2,638,170**	2017

* 67% grant, 33% loan
** 65.14% grant only

PROJECT INFORMATION:
This project provides a redundant water supply connection for the South of Laramie Water and Sewer District (SLWSD). The SLWSD receives its drinking water supply from the City of Laramie (City). SLWSD's water is supplied from the City through a single pipeline that runs under the railroad and I-80. The transmission pipeline south of the railroad and I-80 crossing is old ductile iron pipe. The City reports the pipeline experiences frequent breaks from external corrosion.

In 2010, the Wyoming Legislature appropriated funds to the City for the Laramie Southern Water Supply project. Subsequent to obtaining project funding from the WWDC, the City approached USDA Rural Development (RD) for grant/loan funding to replace WWDC's loan ($1,023,000). The City was successful in securing grant and loan funding from RD.

In 2011, the City hired a consultant and commenced the project design phase. In Fall 2011, the City submitted a funding application request to WWDC to cover increased construction costs identified during the design, and to change the financing plan to accommodate RUS funding. In 2013, the design phase was completed and the project was bid and awarded. It is anticipated that construction will be completed during 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

154. PROJECT: South Thermopolis Water Supply

LEVEL: III
SPONSOR: South Thermopolis Water & Sewer District
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$ 100,000	2008
Level II	75	2008	II	$ 75,000	2010
Level III	68	2010	I	$2,117,200*	2015

*67% Grant

PROJECT INFORMATION:
In August 2007, a Level I study was completed for the District. The Level I study found several issues of concern. With its current configuration, several district residents have been paying for water that the district is currently unable to provide. Additionally, the water system has pressure problems in many of those areas that do receive water.

A Level II study was completed to identify the preferred alternative and to develop construction level cost estimates. The study recommended construction of a new storage tank and new transmission lines for a total project cost of $3,160,000.

In 2010, the legislature appropriated a $2,117,200 grant for 67% of the project eligible costs. The District has secured funding for the remaining 33% from other sources. The District has selected an engineer to design the project.

During 2012, several meetings were held with the District, the Town of Thermopolis, USDA-RD, Owl Creek Water District and the WWDO. The District's current service connection to the Town of Thermopolis is limited in the water volume and pressure it is able to provide. Through the course of the meetings, it was determined to have the District's main connection moved and connect onto Thermopolis' pipeline where the Owl Creek Water District is connecting. 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. Design for the District's connection and transmission pipelines is currently underway. There will be sufficient project funding due to some cost savings (reduction of storage and reduction in pipe size) of the new route. The project is in the process of securing the remaining easements and construction is anticipated to begin in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

155. PROJECT: Squaw Creek Water Supply

LEVEL: II
SPONSOR: Squaw Creek Water District
LOCATION: Teton
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	123	1990	I	$ 35,000	1991
Level II	43	1992	I	$250,000	1993
Level II	74	1993	I	$300,000	1994
Level III	105	2006	I	$177,550	2010*
Level II	32	2010	I	$175,000	2013
Level II	66	2013	I	$350,000	2015

Ground Water Exploration Grants: 2004, 2005, 2007 – $125,472.75 Total
*Reverted July 1, 2010

PROJECT INFORMATION:
The Squaw Creek Water District (SQWD) includes approximately 540 acres of land located about seven miles south of the Town of Jackson. The District was first formed in 1981 to take over operation of an existing private spring source and water supply system that served the area including several subdivisions that date back to the1960's and early 1970's. There are currently a total of about 80 lots in the service area. In the early 1990's, the WWDC funded an unsuccessful attempt to drill a deep well at Squaw Creek and ultimately developed two alluvial wells in the Game Creek drainage for the District. Production from the Game Creek wells has deteriorated and a senior water right limiting use of the spring prompted the District to continue to seek source supplies. In 2004, the district received a WWDC Ground Water Exploration Grant for test drilling. Late in 2005, the district applied for Level III funding to enable them to bring a new well

into service. At the time of their application, the new well had not been completed. Unfortunately, the new well was not a good producer and the completion/connection work could not take place.

Reevaluation of the development of a new well and/or spring source was considered during the 2007 construction season. In August 2007, a budget increase to the Groundwater Grant was made to allow a second attempt at drilling a well. A U.S. Forest Service Special Use Permit was secured for drilling of this second well in October 2009 and the well was drilled in November 2009. Unfortunately the second well was unsuccessful. This left the district without an adequate source of water, which has historically practiced conservation efforts and the severe restriction of water use.

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

In August and September 2013, a test well was drilled on USFS land in the vicinity of Teton County Well No. 1 to determine aquifer properties of Quaternary-age glacial till deposits and the Tertiary-age Camp Davis Formation. In a dual completion of the well, pump testing of the till aquifer revealed unsustainable production properties and influence on the county well. The Camp Davis Formation proved to a low producer also based on its poorly sorted-texture and clay matrix composition. Unfortunately, this site was proven not feasible for the District's needs. The study will conclude in 2014 with recommendations to the District to utilize its existing source supplies with best efficient operation practices.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

156. PROJECT: Star Valley Ranch Water Supply

LEVEL: III
SPONSOR: Town of Star Valley Ranch
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	II	$ 200,000	2008
Level II	85	2007	I	$ 600,000	2008
Level III	38	2009	I	$2,620,000*	2014
Level III	68	2010	I	$2,375,000*	2015

* 67% grant, 33% loan

PROJECT INFORMATION:
Star Valley Ranch (SVR), like other communities in the Star Valley, has experienced rapid growth and is sought funding to upgrade and improve its water supply system. During the most recent Level II study, the WWDC drilled a test well to increase the groundwater supply. The Level II study also identified the need for increased storage, new transmission lines, booster pump station and redevelopment of Prater Springs.

The budget for the entire project was estimated to be $4,995,000. Due to funding constraints, the WWDC had to phase the funding for the project. The 2009 Legislature appropriated $2,620,000 for the first phase of the improvements to include well completion, a transmission line to tie the well into the system, a new 400,000 gallon storage tank, a transmission line from Green Canyon to Prater Canyon, and a SCADA control system. Work on the well, well house, and transmission line was completed in December 2009. The remaining portion of Phase I was completed in 2010.

The 2010 Legislature appropriated $2,375,000 for construction of the final phase of the project to include the acquisition of the Green Canyon water storage tank, drilling and development of a second well, booster pump station to feed water from Green Canyon to the Prater tank, redevelopment of Prater Springs and an 8-inch Muddy String Road transmission line. Acquisition of the Green Canyon storage tank was completed during summer 2010 and a contract to drill the second well was executed in December 2010. Remaining work on the booster pump station, spring redevelopment and transmission line was completed in December 2011. SCADA and Prater Canyon spring redevelopment was completed in December 2012 with final completion and the project was closed out in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The District would like financial assistance to construct/re-construct the State Line Canal Diversion. The District will provide all engineering services. The design of the diversion structure will differ from the rock-vane structures currently being constructed and be of a more traditional engineering approach using steel and concrete for rehabilitating the diversion structure.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending $750,000 be authorized for repair of the diversion with a 67% grant, 33% loan at a 4% interest rate for 30 years.

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
State Plan	1	1996	N/A	N/A	1996
Aerial Photo	1	1996	I	$ 250,000	1998
State Plan	46	1997	I	$ 250,000	1998
Basin Plan	30	1998	I	$ 250,000	2000
State Water Plan	81	1999	I	$1,435,000	2001
State Water Plan	36	2000	I	$ 800,000	2002
State Water Plan	86	2001	I	$1,550,000	2003
State Water Plan	125	2003	I	$ 600,000	2006
Framework Water Plan	75	2005	I	$ 500,000	2007
State Water Plan	85	2007	I	$ 600,000	2008
Wind/Bighorn Basin	33	2008	I	$ 500,000	2010
Green River DSS	66	2009	I	$ 250,000	2010
Platte River Basin GW	66	2009	I	$ 250,000	2010
Rec/Env. Study	32	2010	I	$ 75,000	2012
Bear River Basin GW	32	2010	I	$ 175,000	2012
Snake/Salt Basin GW	1	2011	I	$ 250,000	2014

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 first two River Basin Plans were initiated in the Green and Bear River Basins. The Bear River Basin Plan and the Green River Basin Plan were completed in 2001.

The 2000 Legislature authorized river basin plans to be prepared for the Powder/Tongue and Northeast Wyoming River Basins and the plans were completed in 2002 The 2001 Legislature authorized river basin plans to be prepared for the Wind/Bighorn and Snake/Salt River Basins and the plans were completed in 2003. The 2003 Legislature authorized the river basin plan to be prepared for the Platte River Basin and the plan was completed in 2006. Funding for preparation of the Framework Water Plan was approved by the 2005 Legislature. The Framework Plan was initiated in June 2006, and included a summary of the seven river basin plans and a projection of future demands.

Upon completion of the Framework Plan in 2007, the process of updating the seven basin plans was initiated. The Green River Basin was selected as the first update due to the age of the plan, the energy development occurring in the basin, and because of down-stream pressure on the Colorado River. Groundwater resources are being considered in more detail in the second round of planning. The Green River Basin Plan update was initiated in 2007 and was completed in 2010.

The Wind/Bighorn Basin Plan update was begun in June 2008. As with the Green River basin update, groundwater resources are being considered in more detail in this second round of planning. Additionally, efforts are being made to advance the surface water modeling along with improved economic forecasts. The surface water plan update was completed in 2010 and the groundwater report was completed in 2011.

Groundwater is an important resource in the Wyoming Platte River Basin. To update the groundwater portion of the previous basin plan and to provide more detail on groundwater, the Water Development Office is having a detailed evaluation of the groundwater resources in the basin conducted. (See the Platte River Basin Plan – Groundwater for details).

A study to assist the WWDO in developing methodologies to define environmental and recreational water demands and benefits, and to incorporate this information in river basin planning was initiated in 2010 and was completed in 2011. Also in 2010, a groundwater resources analysis for the Bear River Basin was initiated. (See the Bear River Basin Plan – Groundwater Analysis for details).

To update the groundwater portion of the Snake/Salt River Basin Plan and to provide more detail on groundwater resources, the WWDO is sponsoring a detailed evaluation of the groundwater resources in the basin. The study includes analysis of groundwater use, storage and recharge for aquifers within the basin. (See the Snake/Salt River Basin – Groundwater Analysis for details)

A staff planning team from the WWDO, SEO and the University of Wyoming, Water Resources Data System (WRDS) offices has completed an update of the Bear River Basin Plan. This work will provide updated information for the Bear River Basin and will help direct further work within the basin. The plan update was completed in 2012. The staff planning team has initiated a review and evaluation of the Snake/Salt River Basin Plan in 2011 with a proposed completion date of late 2013. Once the Snake/Salt River Basin Plan update is complete, the staff planning team will begin work on an update to the Northeast River Basins Plan, which was originally completed in 2002.

Additionally, funds are being requested to begin and update of the Platte River Basin Plan in 2014 (see the Platte River Basin Plan Update for details). The original Platte River Plan was completed in 2006

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

159. PROJECT: Statewide Water Research

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	30	1998	I	$ 41,584	2000
Level I	36	2000	I	$140,000	2002
Level I	86	2001	II	$140,000	2002
Level I	7	2002	I	$200,000	2004
Level I	125	2003	I	$200,000	2004
Level I	31	2004	I	$200,000	2006
Level I	75	2005	I	$200,000	2006
Level I	99	2006	I	$300,000	2008
Level I	85	2007	I	$300,000	2008
Level I	33	2008	I	$300,000	2010
Level I	66	2009	I	$300,000	2010
Level I	32	2010	I	$300,000	2012
Level I	1	2011	I	$300,000	2012
Level I	57	2012	I	$400,000	2014
Level I	66	2013	I	$400,000	2014

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. (This project selection process as described reflects the implementation of procedural changes made by the WWDC and SWC at their joint meeting in August, 2013.) The 2013 research projects are listed below:

- Investigating how the outbreak of bark beetles in the Rocky Mountain Region will impact water yields on short to long time scales.
- Preparing a treatise on Wyoming water law.
- Evaluating the performance of an integrated accelerated precipitation softening – microfiltration assembly and process development to maximize water recovery during CO_2 sequestration.
- Examining the impact of glaciogenic cloud seeding on snowfall rate and on snow particle characteristics, using datasets collected from field campaigns in southeastern Wyoming.
- Mapping annual surface area changes since 1984 of lakes and reservoirs in Wyoming that are not gauged using multi-temporal Landsat data.
- Evaluating micro-patterned membrane surfaces with switchable hydrophobicity.
- Investigating the use of Fe(VI) for the improvement of water quality in Wyoming.
- Studying rumen microbial changes associated with high sulfur water.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends an amount (yet to be determined pending WWDC/SWC project selection) be appropriated from Water Development Account I for the 2014 statewide water research projects.

160. PROJECT: Sublette Creek Reservoir

LEVEL: II
SPONSOR: Cokeville Development Company
LOCATION: Lincoln County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	125	2003	I	$200,000	2004
Level II	75	2005	I	$150,000	2006
Level II	85	2007	I	$ 81,000	2008
Level II	66	2009	III	$375,000	2011
Level II	1	2011	III	$325,000	2013
Level II	66	2013	III	$252,000	2014

PROJECT INFORMATION:

In 1984, the States of Wyoming, Utah and Idaho joined forces to evaluate the potential to construct storage on the Smiths Fork of the Bear River, which would provide benefits to 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. Several options were identified. The report verified that a dam on the Smiths Fork would provide considerable flood control, storage and water quality benefits. However, the economic assessment concluded that the project had an unfavorable benefit-cost ratio and, therefore, would not be eligible for federal funding under existing criteria, which reinforced maintaining a "hold status" for the project.

In 2003, the Cokeville Development Company (CDC) requested a Level I study to identify storage opportunities in the Smiths Fork drainage. The CDC's request identified the need for a multipurpose reservoir that would provide for flood and erosion control benefits and water supply for agricultural water users. This study differed from past studies in that it looked at water use only in Wyoming and focused upon determining the potential of developing off-channel sites.
This Level I study was completed in August 2004. There were a number of sites evaluated in the initial screening and no off-channel sites were feasible due to lengthy conveyance canals and large embankment volumes. Six on-channel sites were the focus of study. All of these sites had been evaluated in previous studies. Sites lower in the basin are best from an operations standpoint and provide the best irrigation reliability with the smallest pool. They also offer the best flood control, greatest hydropower potential, and least environmental impacts. However, it appears there would be significant impacts to fish and wildlife from development of on-channel reservoirs and mitigation costs may be high.

The Smiths Fork Watershed Improvement District and the CDC 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, which 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 storage 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. The legislature appropriated funds to conduct the Level I analysis. Several potential sites and canal rehabilitation measures were identified by the Level I consultant. As a result, a Level II, Phase I Study analysis followed, which eliminated less efficient sites and further refined canal rehabilitation measures. The Level II, Phase I analysis, completed in 2009, and was followed by an appropriation to conduct a Level II Phase II analysis of the more favorable reservoir sites.

Based upon the study completed in 2010, the WWDC recommends that additional study be conducted, which will include refinements to the design and cost estimates for dam and supply canal. In addition, permitting and mitigation cost estimates will be developed. The legislature appropriated funds during their 2011 session to conduct primarily additional hydrology, permitting, and biological studies. The project work is currently underway and on schedule. Additional task items such as stream flow/temperature sampling, a cultural resource study, and additional topography for the project area are being requested by the sponsor.

In 2013, the Legislature approved an additional $252,000 for the project budget. The study is underway and on schedule.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

161. PROJECT: Sundance Storage Tank

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$150,000	2014
Level III	14	2012	I	$712,500*	2017
Level III	105	2006	I	$233,350**	2017

* 75% grant, 25% sponsor
** Sponsor's Inflation Fund 67% Grant, 33% sponsor

PROJECT INFORMATION:
This project provides the design and construction needed to resolve issues relating to the Town of Sundance's existing Cole Water Storage Tank. The storage tank was constructed in 2010 with ARRA funds. The 256,000 gallon water storage tank was constructed to improve the operation of the water supply system and provide needed fire flows. The tank was completed in March, 2010 with ARRA funds. In late July, 2011, a significant rainfall event occurred which caused movement in the storage tank foundation, resulting in the need to minimize water levels held in the tank and to look at means to stabilize or move the tank. The Town elected to relocate the

tank. The estimated cost to relocate and connect the tank to the water supply system is $950,000. The sponsor had a difficult time in finding a suitable site for the tank, but has settled on a site west of the existing tank.

The design is complete and bidding will occur in January of 2014. Construction should be complete by June of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

162. PROJECT: Sundance Water System Feasibility Study

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	I	$150,000	2014

PROJECT INFORMATION:
The Town of Sundance obtains its water from four (4) wells in the Madison and Minnelusa formations capable of providing 1,000 gpm. In 2012 the Town requested a master plan to identify ways to make its existing water supply system more efficient. The master plan is complete and the final product has been received by the Office. Several alternatives were developed including the Cole transmission line extension, Canyon pump station improvements and well field evaluation. In addition, the Master Plan recommended a pump test for Well 3C, and inspection and video logging of the four wells in the Cole Well field, which includes Well 3C. The study recommends the advancement of the study to level II.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Sundance Master Plan be advanced in the New Development Program to Level II status with an appropriation of $183,000.

163. PROJECT: Ten Sleep Storage Tank

LEVEL: III
SPONSOR: Town of Ten Sleep
LOCATION: Washakie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	7	2002	I	$ 75,000	2004
Level II	125	2003	I	$ 0,000	2004
Level III	63	2011	I	$1,540,000	2016

PROJECT INFORMATION:
This project consists of constructing a water storage tank and separate transmission pipelines to and from the storage tank to serve the Town of Ten Sleep. The Town receives its water supply

from two flowing wells located in and adjacent to the town. Construction of the storage tank will allow the town to meet anticipated future peak demands and provide water to the South Circle Estates Water Supply project.

The Town has negotiated a water purchase agreement with the South Circle District. Design, permitting and construction bidding are completed and construction is planned for early 2014.

For additional information, please refer to the South Circle Estates Water Supply project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

164. PROJECT: Thermopolis Master Plan

LEVEL: New Application (Level I)
SPONSOR: Town of Thermopolis
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$175,000	Complete

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 would be the first WWDC-funded master plan for the Town.

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

165. PROJECT: Upper Green River Watershed Study

LEVEL: I
SPONSOR: Sublette County Conservation District
LOCATION: Sublette/Lincoln/Teton Counties
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	57	2012	III	$300,000	2014

PROJECT INFORMATION:
The Upper Green River watershed, located primarily in Sublette County and extending into eastern Lincoln County, is approximately 1,881,164 acres. Land ownership in the Upper Green drainage is divided among federal, private, and state. The watershed includes one primary river

system, the main stem of the Green River, and tributaries including Tosi Creek, Klondike Creek, Rock Creek, Gypsum Creek, Beaver Creeks, Horse Creek, Cottonwood Creek, Piney Creeks, LaBarge Creek and Fontenelle Creek.

During the 2012 Budget Session, the Sublette County Conservation District requested and received funding for a Level I Watershed Study. The study will provide a detailed evaluation of the watershed and incorporate available technical information describing conditions and assessments of the watershed. The project consists of field investigations, development of a Geographic Information System (GIS), development of a prioritized list of potential water development and system rehabilitation projects, preliminary cost estimates, permitting requirements and funding opportunities. This information will provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage.

Inventory and description of the watershed will include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information, along with the prioritized list of potential water development and system rehabilitation projects developed through landowner participation, will be incorporated into a rehabilitation and management plan complete with cost estimates for potential future project activities. In addition, past reservoir feasibility analysis studies, from a number of agencies, will be compiled in an effort to summarize the work, compare alternatives and provide direction on storage potential. The final report is expected in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

166. PROJECT: Upper North Platte Watershed Study

LEVEL: I
SPONSORS: Saratoga, Encampment, Rawlins Conservation District
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:
None

PROJECT INFORMATION:
The Saratoga, Encampment, Rawlins Conservation District requests a watershed study to evaluate storage opportunities, current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. This information would provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans will be included.

The Upper North Platte River watershed, located south of Pathfinder Reservoir in Carbon County, is approximately 2,000,000 acres. Land ownership in the Medicine Bow River drainage is divided among federal (~40%), private (~50%) and state (~10%). The Upper North Platte watershed includes the primary stream system of the North Platte River and numerous tributaries including Big Creek, Bear Creek, Beaver Creek, the Encampment River, Cow Creek, North and

South Spring Creek, Cedar Creek, Jack Creek, Sage Creek, Pass Creek, Rattlesnake Creek, Brush Creek and French Creek. Seminoe Dam and Reservoir and Pathfinder Dam and Reservoir are Bureau of Reclamation storage facilities located on the north and eastern edge of the watershed study area. There are numerous smaller surface water impoundments within the watershed.

This study will develop an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information will be incorporated into development, rehabilitation and management plans complete with cost estimates for potential future project activities. The final report is expected in 2015.

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

167. PROJECT: Upton Well

LEVEL: III
SPONSOR: Town of Upton
LOCATION: Weston County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$395,000*	2014

* 67% grant, 33% loan

PROJECT INFORMATION:
The Town of Upton drilled the Upton No. 6 Well in 1983 and it was acid stimulated with WWDC funds in 1990. Prior to the stimulation, the well was a poor producer, but following stimulation production from the well 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 is currently under design and the Town anticipates bidding the project in the summer of 2014.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends extending the Project Agreement reversion date from July 1, 2014 to July 1, 2015.

168. PROJECT: Viva Naughton Enlargement

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Lincoln County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	I	$300,000	2004
Level II	75	2005	III	$300,000	2014
Level II	85	2007	III	$250,000	2014
Level II	66	2009	III	$150,000	2014

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 reservoir has an existing capacity of 45,465 acre-feet. PacifiCorp has water right filings for an additional 36,430 acre-feet of storage. 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.

During the 2002 Budget Session, the water users in the Hams Fork Valley requested and received funding for a Level II Storage Feasibility Study to investigate potential options for additional water supplies on the Hams Fork. Three options, Viva Naughton enlargement, Dempsey Basin dam and Willow Creek dam, were identified with conceptual level cost estimates all in the same range. The Level II study concluded that shortages did exist within the Hams Fork Basin and that any of the three options could ease shortages if constructed.

In 2005, an appropriation was authorized during the General Session to complete a Level II, Phase II Storage Feasibility Study to obtain required geotechnical and wetland information to further refine storage feasibility. Before the geotechnical drilling could start, a Temporary Use Permit from BLM was required. The Dempsey – Hockaday Cutoff of the Oregon Trail runs through the Dempsey Basin Reservoir site. This trail is considered pristine in places within the basin. As a result, it took longer than expected to acquire the Temporary Use Permit to explore Dempsey Basin, later renamed Lower Dempsey Basin. During this time, wetlands classifications, archeological investigations, refined hydrologic needs analyses, and surveying work were completed. After the above items were finished, an interim report summarizing the results and outlining an approach to the geotechnical drilling work was completed.

In 2007, supplemental funding was authorized during the General Session to complete the Level II, Phase II Storage Feasibility Study and the Temporary Use Permit for the project was issued by the United States Department of the Interior Bureau of Land Management. Geotechnical drilling at Lower Dempsey Basin and Viva Naughton was completed and the results analyzed. During that time, an alternative storage site upstream of the Lower Dempsey Basin site was identified (Upper Dempsey Basin) that could potentially have been more favorable in the aspect of land ownership, NEPA, SHPO, and embankment quantities.

Additional funding was authorized from the Dam and Reservoir Program during the 2009 General Session to continue the Level II, Phase II study. The additional funds were to allow further exploration and drilling of the Upper Dempsey Basin site. The work was completed in 2009 and the data has been analyzed. The Upper Dempsey Basin site does appear geotechnically feasible. However, during the time of the Level II, Phase II study, the Wyoming Governor's Office has issued several executive orders (EO) addressing the Greater Sage-Grouse in Wyoming. The latest EO 2011-5 includes a method for use in determining compliance with the EO for new projects, referred to as the Density and Disturbance Calculation Tool (DDCT). The DDCT is used to determine if the proposed new disturbance, combined with existing and permitted disturbances in the area, are below 5% of the DDCT area and result in an average of <1 disruptive activity (defined as oil and gas wells and mines) per 640 acres within the area affected by the project. Based on the results of the DDCT analysis performed for the Level II, Phase II Study, neither the Upper or Lower Dempsey Basin sites would be in compliance with the Governor's EO because total surface disturbance (9.29% for upper; 10.53% for lower) is substantially greater than 5%. Even without the new disturbance, the area of existing disturbance in the DDCT analysis area (7.76% for upper; 8.61% for lower) is already substantially above the 5% threshold. Further analysis is needed to determine if existing impacts include unsuitable Sage Grouse habitat, which could lower percentages or if mitigation is an option.

In the meantime, another alternative has been discussed which would entail enlarging the existing Viva Naughton Reservoir by raising the spillway. This would be a much smaller scale enlargement (5,000 acre-feet), but if temporary inundation can be proven not to adversely impact wetlands and/or habitat, it may be a feasible option. In 2012, the WWDO presented the data on the alternatives to PacifiCorp. The WWDO proposed to develop PacifiCorp's water right permits, for the benefit of water users in the basin, with either a nominal raise of Viva Naughton Reservoir or by pursuing the Upper Dempsey Basin alternative. PacifiCorp responded that they were willing to engage in further discussions with the WWDC on the development of a mutually agreeable arrangement that may facilitate the nominal Viva Naughton Reservoir enlargement alternative. WWDC is requesting additional Level II, Phase II funding to further investigate a nominal raise of Viva Naughton Reservoir. The work will include reservoir modeling and operation, flood hydrology and routing, environmental analysis, more thorough geotechnical investigations, preliminary design and survey.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends additional funding , in the amount of $375,000, from the Dams and Reservoirs Program, to continue the current Level II, Phase II Storage Feasibility Study.

169. PROJECT: Wardwell Water Supply Improvements

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	105	2006	I	$1,886,720*	2011
Level III	75	2008	I	$2,716,180*	2013

*67% Grant

PROJECT INFORMATION:

The Wardwell Water and Sewer District (WWSD) has experienced extensive growth in the northern most regions of the district (Town of Bar Nunn area). Available lots in the older portions of the Town of Bar Nunn are quickly being developed and homes in the McMurry No. 1 Subdivision (within the Town of Bar Nunn) are also rapidly being constructed. This region of the water system has marginal operating pressures, approximately 40 psi, and the residents in the new homes have expressed concerns. The project serves to construct a new pump station, water storage tank and transmission pipeline to allow for continued growth within the District.

The WWSD originally intended to fund their portion of the project with a loan from other sources. However, the loan approval election did not pass. Therefore, the WWSD decided to pay their portion with funds from other sources. Funds have been contributed from the Town of Bar Nunn, Central Wyoming Regional Joint Powers Board, WWSD, and developers. The need for this change resulted in project delays. During this time, costs of the project increased to the point that all of the project components could not be constructed within the WWSD's original budget. Therefore, the project configuration was revised in 2008.

As a result of the recently completed Casper Water Master Plan, the WWSD has learned that they would be unable to fight a fire in the southern portion of the WWSD. Modifications to the potable water system are proposed as part of this project. Costs for those modifications were included in the appropriation provided during the 2008 session.

The first phase, the northern most region, of this project has been constructed and completed. In 2011, the project appropriation reversion date was extended from 2011 to 2013 to allow for the completion of the second phase of the project.

The second phase of the project addresses the southern portion of WWSD. This phase was split into the following two stages:1) tank construction, and 2) pipeline installation. Both components of the second phase have been successfully bid and awarded. Construction on both stages was completed in 2012 and project close-out was completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

170. PROJECT: Weather Modification Pilot Program

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Medicine Bow/Sierra Madre and Wind River Ranges
Albany, Carbon, Fremont, and Sublette Counties
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	I	$ 100,000	2006
Level II	75	2005	I	$8,825,000	2011
Level II	32	2010	I	$2,850,000	2013
Level II	57	2012	I	$2,400,000	2015

PROJECT INFORMATION:

The 2004 Wyoming State Legislature funded a state sponsored weather modification feasibility study for the Medicine Bow/Sierra Madre (MB/SM) and Wind River (WR) Ranges which evaluated the feasibility of conducting cloud seeding programs in each of the two project areas for winter snowpack augmentation. Included in the project was a determination of the exact experimental and control regimes to be employed for a proposed pilot program based on the climatology and hydrology of each target area. The study identified methods, equipment, siting issues, permitting, operational criteria, monitoring regimes, evaluation methodology, potential water resource benefits, costs and a cost/benefit analysis.

The 2005 Wyoming State Legislature funded implementation of the weather modification pilot program for the Medicine Bow/Sierra Madre and Wind River Ranges based on these recommendations. The program is unique in that nearly one third of the project budget is being used to support a strong scientific independent evaluation. The National Center for Atmospheric Research (NCAR) out of Boulder, Colorado is conducting this evaluation. Physical and statistical evaluation components of the program are essential in establishing that the cloud seeding methodology is scientifically proven and is an integral part of the pilot program. Winter orographic snowpack enhancement programs have generally shown that precipitation can be enhanced anywhere from 10 to 20%.

The National Environmental Policy Act (NEPA) analyses required for deployment of the ground-based generators targeting the Medicine Bow/Sierra Madre Ranges was completed during 2006 with a categorical exclusion determination and a 5-year Special Use Permit being issued by the Medicine Bow National Forest. The analyses included a 45-day public comment period, numerous design refinements, a biological assessment, a biological evaluation & management indicator species report, and consultation with the US Fish & Wildlife Service on 10 federally listed T&E species. This Special Use Permit has since been renewed for an additional 4-year period through a USFS Record of Decision dated December 7, 2011 and now expires December 31, 2015. Annual permits for ground-based seeding operations over this target area have also been issued by the Wyoming State Engineer's Office. Sixteen ground-based generators have been deployed on the western flanks of the Medicine Bow/Sierra Madre Ranges (eight targeting each range) and are available for seeding operations when specific case calling criteria are met. Operations in the MB/SM Ranges are randomized and adhere to a strict experimental design set forth by NCAR.

Applications for the special use permits necessary for the deployment of ground-based generators to be sited on federal lands and targeting the Bridger-Teton and Shoshone National Forests (for the Wind River Range) were withdrawn March 2007 due to increased costs and lengthened timelines associated with receiving federal clearance for the project. Eight ground-based generators targeting the central and southern Wind River Range have since been deployed on state and private lands and are available for seeding as conditions warrant. Basing in such a manner is typical for other states' programs. Two additional ground-based generators have also been deployed along the northern end of the target area as made possible by supplemental

funding received from Lower Colorado River Basin entities in an effort to make the system "whole". Annual permits for ground-based seeding operations over this target area have been issued by the Wyoming State Engineer's Office.

Seeding operations over both target areas commence November 15th each year of the study and run through April 15th (exc. Winter 2013/14, April 30) under the oversight of the WWDO and with the guidance of a Technical Advisory Team. Silver sampling measurements have, and will continue to be taken by the Desert Research Institute, in each of the target areas. Additional climatological monitoring devices have been deployed across the target areas, and include a network of high resolution precipitation gages, weather stations, radiometers, a K-band radar, and a ceilometer. Also, instrumented weather balloons are being launched from Saratoga where project meteorologists and field technicians are stationed during the winter of 2013/14. Finally, hydrologic analyses are being conducted to quantify potential streamflow changes resulting from weather modification activities in each of the target areas. Still other additional coordinated "piggy-back" research efforts (externally funded ~ $1 million+ from the National Science Foundation) between scientists at the National Center for Atmospheric Research and the UW Department of Atmospheric Science, are ongoing.

Following implementation of a peer-reviewed experimental design, completion of environmental permitting and full deployment of resources, the current study is continuing to collect "case data" under the randomized statistical experiment portion of the study during this final winter operational season. The challenge remains to acquire enough data to achieve statistical significance such that an accurate evaluation of the program's effectiveness can be determined with a high degree of confidence. This was further exacerbated by limited seeding opportunities the past two seasons in the target areas due to a lack of seedable conditions. Still, the final experimental season should yield enough cases to detect a precipitation change of 15% and possibly as small as a 10% change. Funding for the randomized experiment through 2014 was already approved in an extension of the WWMPP by the 2012 Wyoming State Legislature and should provide an adequate number of "cases" to allow for an accurate and definitive quantification of seeding impacts, provided the target areas experience a normal or near-normal winter given the pilot program's past experience in case selection and data collection.

While the results of the study as being evaluated by NCAR won't be available until the first quarter of 2015, all deployed equipment to include a network of high resolution precipitation gauges and 26 ground-based seeding generators are scheduled for dismantling and removal during the Summer of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

171. PROJECT: Weather Modification Study Wyoming Range

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Wyoming Range
Lincoln and Sublette Counties
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	I	$100,000	2006

PROJECT INFORMATION:
The original weather modification feasibility study for this area assessed the feasibility of conducting an operational weather modification program in both the Salt and Wyoming Ranges and paid particular attention to the climatology of the region, including storm frequencies and characteristics, barriers, seeding potential, etc. The program design called for the deployment of generators in the Star Valley area to take advantage of the predominant air flow. However, serious concerns were identified through modeling done by the Desert Research Institute that seeding materials might channel to the north and south, rather than reaching their intended target. This also called into question the effectiveness of such snowpack augmentation efforts on the eastern flanks of the Wyoming Range as targeted from Star Valley. An additional year of climatological monitoring was recommended to refine siting of the generators to address generator efficiency in targeting the two ranges.

As the results of this feasibility study became available, the larger Wyoming Weather Modification Pilot Program (WWMPP) was well underway. It was decided to put any further study of the Salt and Wyoming Ranges as a target area for cloud seeding on hold until the results of the pilot program became available. Yet, interest by Idaho Power in the potential additional hydropower generation that might be realized from cloud seeding through such an operational program in the Upper Snake, led the power utility to continue the study on its own and conduct this additional year of climatological monitoring. Idaho Power has since deployed four ground-based cloud seeding generators in the Star Valley area which operated during the winter of 2012-13, and has plans for the deployment of additional generators in the coming seasons. Emphasis for Idaho Power is on increasing streamflows in the Salt and Greys River drainages, the headwaters of the Upper Snake.

Still, interest exists from stakeholders in the Green River Basin as to what could be done to specifically target the eastern slopes of the Wyoming Range to increase snowpack and ultimately runoff in the western portions of the basin, an area of known shortages. This request is further elevated by current basin-wide initiatives in the Colorado River Basin to augment streamflows through weather modification. The Wyoming Range in west-central Wyoming represents one such opportunity where resulting runoff from snowpack augmentation activities could increase those supplies. To adequately address this issue, a Level II, Phase II Study specifically targeting this area needs to be undertaken. Numerous monitoring and operational developments have taken place since the WWDC's original feasibility study for the Salt and Wyoming Range was completed, to include new modeling tools previously unavailable and the potential for collaborative efforts with the other existing operational program in the area. The proposed study would provide much needed information and would be preparatory to potential future operations in the area as part of a larger strategy of flow augmentation through weather modification in the Colorado River Basin.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated at Level II status into the New Development program with an appropriation of $200,000.

172. **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 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 recently completed Colorado River Basin Water Supply and Demand Study 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 make the system "whole". **It should be noted that no ownership is implied by this participation, and any additional precipitation and subsequent stream flow produced is treated as a natural event, and in the case of Wyoming, subject to Wyoming Water Law.**

While the final season of the Wyoming Weather Modification Pilot Program is underway, and with the realization that all facilities connected to the study are scheduled for dismantling and removal this coming summer (2014), and knowing that the final results of the study are not scheduled to be delivered until the 1st quarter of 2015, it is also acknowledged that significant interest exists (both within and outside the State) in maintaining the significant investment the State of Wyoming has made in the permitting, siting and deployment of facilities at the ready for cloud seeding operations targeting the Wind River Range.

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. Understanding that dialogue in this matter will be continuing throughout the final season of the WWMPP among the Basin States' and that a decision has yet to be made regarding possible continued operations and cost sharing for cloud seeding in the Wind River Range (although proponents have voiced concerns about "losing traction" should dismantling occur), an appropriation for this cost sharing scenario is being requested should the decision be made to continue operations during the Winter of 2014-15 as part of a larger Colorado River Basin flow augmentation strategy. If approved, any such funds appropriated in this manner could only be expended once formal agreements were in place for cost sharing of operations amongst the Lower Basin partners. (It is recommended that Wyoming's cost share be 25% to reflect the historical participation of the three Lower Basin funding entities as part of the WWMPP supplemental funding initiative over the past seven years.) These agreements would also need to be in place prior to August 1, 2014, the contractor-established deadline for notification of intent to continue operations in the Wind River Range, else dismantling of facilities will occur during the month of

August. The cost share appropriation as requested represents the continuation of cloud seeding operations in the Wind River Range for the Winter of 2014-15 only. This would be an operational, non-research program focused on snowpack augmentation in the target area as part of a larger strategy for flow augmentation in the Colorado River Basin.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated at Level III status into the New Development program with an appropriation of $240,000. The funding would be for an approximate 25% cost share of the necessary budget to conduct the seeding operations. The remainder of the project funding would come from outside funding partners. The total project budget is $930,000.

173. PROJECT: Wheatland Rehabilitation 2011

LEVEL: III
SPONSOR: Wheatland Irrigation District
LOCATION: Platte County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$300,000	2010
Level III	63	2011	II	$723,600*	2016

*67% grant

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

The District requested Level III funding for a number of needed improvements to their system as identified in the recently completed master plan. The identified projects include: Canon Canal Headgate and Diversion replacement, Upper Lateral No. 1 Replacement, Deadhead Creek Wasteway Replacement, Deadhead Wasteway Automation, and Base Station Automation.

In 2011, the District received a Level III Rehabilitation project with an appropriation of $723,000 (67% grant). The District secured the services of an engineer and initiated the design process.The engineer has completed the designs of the Deadhead Wasteway Automation project. The project was bid and successfully awarded. Construction is anticipated to be completed in 2014. The District and the engineer are working through the identified project lists to determine the appropriate design path for the upcoming construction and irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

174. PROJECT: Willwood Dam Rehabilitation

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

EXISTING LEGISLATION:

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

*This appropriation is replaced by the 2012 appropriation. **67% grant, 33% loan

PROJECT INFORMATION:
The Willwood 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.

Only one of three sluice gates is operational and sediment has buried the two inoperable gates. The sponsor plans to safely remove an amount of sediment and to replace one of the inoperable sluice gates as well as the sole operable sluice gate. Without this project, if the operable sluice gate should fail, the sponsor runs the risk of sediment filling the area upstream of the dam and dumping into the Willwood Canal. There is a risk of burying the diversion gates that allow irrigation water to pass into the canal with silt.

The sponsor and its engineer are working with the Bureau of Reclamation to develop a suitable design to economically accomplish the project goals. Construction is anticipated in the fall of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

175. PROJECT: Willwood Irrigation District Master Plan

LEVEL: I
SPONSOR: Willwood Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$50,000	2006

* 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 have been made, and the GIS has been utilized regularly for system management the district has noticed several areas that have become outdated. When data was gathered for the GIS important details on the canal's structures were left out. The district is requesting that this data be gathered and incorporated into the GIS, along with any updates that are necessary as a result of system improvements made since the 2005 plan was completed. The district would also like to request a seepage analysis for several sections of the main canal. Their hope is that a prioritized list of main canal sections needing to be lined can be developed. Lastly, the district would like to automate more of their system. In order to increase efficiency they would like an analysis of their options for SCADA including software packages, hardware packages, locations, and implementation priorities.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be incorporated into the Rehabilitation program at Level I status with an appropriation of $160,000.

176. PROJECT: Willwood Irrigation District Rehabilitation 2014

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	II	$ 50,000	2006
Level II	85	2007	II	$250,000	2008
Level II	33	2008	II	$150,000	2010
Level III	68	2010	II	$746,000*	2015
Level III	63	2011	II	$754,000*	2015

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

PROJECT INFORMATION:
In 2009, the Willwood Rehabilitation and GIS Level II study was completed. The study identified rehabilitation needs of the irrigation water supply and delivery system. This study will be the basis for systematic improvements to improve the efficiency of the system.

In 2010, the Willwood Irrigation District requested and received funding to replace a ditch segment with buried pipe. Subsequent to the design process, the District received additional funds in 2011 for additional pipe to further improve the operational efficiency of Lateral 84. The sponsor is responsible for the costs of design, construction, construction engineering, easements, and any other project expense other than invoiced materials.

The project was completely designed in 2010 and a portion of the project was constructed in the winter of 2010-2011. Construction on the second portion of the project began in the fall of 2013 and the Willwood Rehabilitation 2010 Project will be complete prior to the 2014 irrigation season.

The sponsor is requesting funding to automate a control gate in the main canal as well as a spillway gate in the main canal at the location of Willwood Draw. This is the Willwood Rehabilitation 2014 Project and would facilitate canal operations by regulating flows below this point in the main canal to a desired setting. Construction on the automation is anticipated to begin in the fall of 2014 and be complete prior to the 2015 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Willwood ID Rehabilitation 2014 Project be incorporated at Level III status into the Rehabilitation Program with an appropriation of $164,000. 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.

177. 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 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 will be complete by summer of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

178. PROJECT: Worland Eastside Transmission Line

LEVEL: III
SPONSOR: City of Worland
LOCATION: Washakie County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	105	2006	II	$1,807,500*	2014
Level III	38	2009	II	$ 842,500*	2014

*50% grant

PROJECT INFORMATION:
The City of Worland has an existing 24" asbestos cement water transmission pipeline that is located within the U.S. Highway 16 right-of-way. This section of highway will be reconstructed in the near future. Since this pipeline has minimal soil cover, it will be damaged during construction activities, so the Wyoming Transportation Department is requiring that the pipeline be relocated outside of the construction activity zone. This necessitates that the pipeline be constructed on private property for most of the 3-mile impact area.

The 2009 legislature provided additional funding and time to complete the project. Construction was anticipated to be completed in 2009, but the city and land owners could not agree with the terms for easement acquisition, so condemnation proceedings have been ongoing.

In 2011, access agreements for the project were granted and the project went to bid. The project received favorable bids and was successfully awarded. Construction of the project was completed in 2012 and project close-was completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

179. PROJECT: Wright Water Supply 2011

LEVEL: Level III
SPONSOR: Wright Water and Sewer District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING LEGISLATION:

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

Level II	32	2010	I	$1,100,000	2012
Level III	63	2011	I	$ 737,000*	2016
Level III	14	2012	I	$1,072,000*	2017

*67% grant only

PROJECT INFORMATION:
The Wright Water and Sewer District water system serves approximately 2,500 people living in the Town of Wright and the adjacent area. The source groundwater for the District is supplied from five wells completed into the Paleocene Fort Union Formation. The District currently has two welded steel storage reservoirs with capacities of 0.5 million and 1.0 million gallons.

The 2008 Level I master plan identified the need for an additional groundwater supply. In 2010, WWDC funding was provided for construction of a new deep well into the Fort Union Formation. The Level II RJ-7 well was completed in 2011.

In 2010, the District submitted a funding application to WWDC requesting $4,957,000 to connect the Level II well to the existing water system, construct a new water storage reservoir, upgrade the SCADA system, and make improvements to the existing RJ-3 Well House. Due to budgetary constraints, WWDC's recommendation to the 2011 legislature was to phase the project. The 2011 appropriation included budget to design and construct the RJ-3 Well House and the SCADA system and to design the RJ-7 Well House and connection pipeline. The 2012 appropriation provided budget to construct the RJ-7 Well House and connection pipeline from the well to the District's water system.

Construction of the RJ-3 Well House and SCADA system was completed in the fall of 2012. Design of the RJ-7 Well House was completed in 2013. The RJ-7 project is currently under construction and with an anticipated completion in the spring of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

180. PROJECT: Yoder Water Supply

LEVEL: III
SPONSOR: Town of Yoder
LOCATION: Goshen County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	66	2009	I	$400,000	2010
Level III	63	2011	I	$180,000*	2016

*67% grant, 33% loan

PROJECT INFORMATION:
In 2009, the Town of Yoder requested and obtained funding for a Level II study to determine optimal well siting and design to avoid the naturally occurring radionuclide and arsenic constituents at varying concentrations in the Chadron Formation (lower member of White River Group) aquifer (about 200 feet deep).

In 2010, the Level II study constructed one test boring and also one test production well into the Fox Hills Sandstone, each approximately 1,100 feet deep. As initial well results looked good and the Town needed water, the WWDC recommended Level III funding to connect the well to the water supply system.

In 2011, the Town of Yoder received a Level III New Development project with an appropriation of $180,000 (67% grant and 33% loan).

During 2011, the Town secured the services of an engineer and the initiated the design process.

In 2012, the design was completed and the necessary project easements were secured. During the bidding process, it was determined that the project needed additional funds. The Town contributed an additional $45,000 to the project allowing it to be successfully awarded. The project entered the construction phase and was completed in 2013.

The Town's well connection and pipeline has been put into use and works as intended. The remaining project funds have been reverted to the WWDC, the project loan has been initiated and the project appropriation was closed out in 2013.

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. Basin Planning – Environmental and Recreational Uses
6. Beulah Water Supply
7. Big Horn Canal Rehabilitation
8. Big Horn Regional Groundwater
9. Big Sandy Enlargement
10. Big Valley & Crossed Arrows Improvement District Water Supply
11. Black Willow Water Supply
12. Boulter Lake Enlargement
13. Bridger Valley Level II Reservoir Project
14. Bridger Valley Water Supply
15. Buffalo Creek Watershed Study
16. Buffalo Northwest Water Supply
17. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
18. Burns Water Supply
19. Cambria/Sweetwater Water Supply
20. Canyon/Newcastle Area Water Supply
21. Casper Alcova Rehabilitation, GIS
22. CBM Aquifer Storage and Retrieval
23. Cheyenne Belvoir Ranch Groundwater
24. Cheyenne Hydro Power
25. Cheyenne/Laramie County Water Service Area
26. Clear Creek Watershed Study
27. Clearmont CBM Impact
28. Cody Canal Irrigation District Hydropower
29. Cody Canal Rehab., GIS
30. Cody Master Plan
31. Cokeville Reservoir
32. Corner Mountain Test Well
33. Cottonwood/Grass Creek Watershed Management Plan
34. Crook County Reservoirs and Water Management
35. Crow Creek Groundwater Recharge
36. Crowheart Area/Dinwoody Canal System
37. Dayton Raw Water Irrigation
38. Deer Creek Dam and Reservoir
39. Dixon Water Supply
40. Douglas Ground Water
41. Douglas Master Plan
42. Dubois Regional Water Supply
43. East Fork Wind River Instream Flows
44. Eden Valley (Farson) Master Plan Level I
45. Eight Mile-High Plains Well
46. Encampment/Sierra Madre Water Supply

47. Enterprise Conservation Program
48. Evansville Master Plan
49. Fort Laramie Water Supply
50. Frannie Raw Water
51. Frannie Well Rehabilitation
52. Gillette Regional Master Plan
53. Glenrock Master Plan
54. Goshen Irrigation District Master Plan 2006
55. Goshen Re-regulating Reservoir
56. Granger Water Supply
57. Green River Basin Plan-Groundwater
58. Green River Basin Plan-Update
59. Green River Decision Support System Feasibility Study
60. Green River Groundwater Recharge and Alternate Storage
61. Green River-Rock Springs-Sweetwater County Master Plan
62. GR-RS-SC JPB Water Supplies
63. Green River West Water Supply
64. Greybull Raw Water
65. Greybull Valley Rehabilitation, GIS
66. Greybull Valley Sunshine Diversion
67. Greybull Wells Rehabilitation
68. Hanna Water System Level I
69. Hawk Springs Water Supply
70. Heart Mountain ID Return Flow Study
71. Heart Mountain Rehabilitation
72. Hoback Junction Rural Regional Master Plan
73. Hoback Junction Water Supply
74. Hopkins Producers Irrigation District Reservoir Study
75. Hot Springs State Park, Big Springs Study
76. Hyattville Water Supply
77. Irrigation Hydro Power
78. James Town/Rio Vista Water Supply
79. Jons Drop Hydropower
80. Kaycee Well & Storage
81. Kemmerer-Diamondville Master Plan
82. Kemmerer/Diamondville Water Supply
83. Kennington Springs
84. Keystone and Farmers Canal Master Plan
85. Kirby Area Water Supply Study
86. Kirby Creek Watershed Study
87. Kirby Irrigation District Conservation Program
88. Kirby Municipal Master Plan
89. LaBarge Water Supply
90. Lance Creek Water Supply
91. Lance Creek Well
92. Lander Master Plan
93. Lander Paleozoic Well
94. Laramie County Aquifer Study
95. Laramie Water Management Study
96. LeClair/Riverton Valley Irrigation Storage
97. Little Snake Canals
98. Lodgepole Creek ASR
99. Lovell ID Hydro Power

100. Lucerne Water Supply
101. Lysite Water Supply
102. Manville Water Supply
103. Middle Fork Dam
104. Middle Fork Powder Watershed Management Plan
105. Midvale Conservation Program
106. North Canal-Grover
107. North Cheyenne Master Plan
108. Northeast Wyoming Interactive Database
109. Northern Arapaho Ground Water
110. Nowood River Watershed Study
111. Opal Regional Water Supply
112. Owl Creek Irrigation District Conservation Study
113. Owl Creek Irrigation Master Plan
114. Owl Creek Water Supply
115. Pavillion Area Water Supply
116. Pavillion Water Supply
117. Pine Bluffs Master Plan
118. Pinedale Hydro Power
119. Pinedale Master Plan
120. Pine Haven Master Plan
121. Pioneer Rehabilitation
122. Platte-Goshen Regional Master Plan
123. Poison Spider Pipelines
124. Popo Agie Watershed Management Plan
125. Powder River Water Supply
126. Powell Airport Water Supply
127. Rawlins Master Plan
128. Rawlins Operations Study
129. Ray Lake Enlargement
130. Red Lane Master Plan
131. Rock Springs East Water Supply
132. Rolling Hills Master Plan
133. Saratoga Groundwater
134. SEO/Lusk Area Ground Water
135. Shell Canal Tunnel
136. Shell Valley Watershed Management Plan
137. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
138. Shoshone ID Rehabilitation, GIS
139. Smith's Fork Dam
140. South Circle Master Plan
141. South Garden Creek Water Supply
142. Star Valley Ranch Water Supply
143. Star Valley Regional Master Plan
144. State Stream Gage System
145. Sweetwater River Watershed
146. Sweetwater Water Supply
147. Tensleep/Hyattville Master Plan
148. Tensleep Water Supply
149. Thermopolis Storage and Raw Water
150. Three Horses Watershed Study
151. Thunder Basin Watershed Studies I and II
152. Upper Green River Westside Storage

153. Upper Wind River Storage
154. Wagner Cherokee Irrigation Rehabilitation
155. Wamsutter Well 2010
156. Washakie County Safety
157. Weather Modification – Salt River and Wyoming Ranges
158. Westside Irrigation NEPA
159. Wheatland ID Master Plan
160. Wheatland ID System Phase II
161. Wheatland Master Plan
162. Willwood ID Rehabilitation, GIS
163. Wind River/Big Horn River Basin Plan Update
164. Wind River Glaciers
165. Worland Area Irrigated Lands GIS
166. Worland Eastside Transmission Line
167. Worland Wells Test
168. Wright Master Plan
169. Yoder Groundwater Project
170. York/South Side Ditch Master Plan

Completed Planning Instream Flow (Level I) Projects

1. Report on the Feasibility of Providing Instream Flow in a Segment of the Clarks Fork Yellowstone River
2. Report on the Feasibility of Providing Instream Flow in a Segment of the Middle Fork Powder River
3. Report on the Feasibility of Providing Instream Flow in Segment Number One of the Tongue River
4. Report on the Feasibility of Providing Instream Flow for Sand Creek
5. Report on the Feasibility of Providing Instream Flow in Segment Number One of Tensleep Creek
6. Report on the Feasibility of Providing Instream Flow in a Segment Number One of the Green River
7. Report on the Feasibility of Providing Instream Flow in New Fork River Instream Flow Segment No. 1
8. Report on the Feasibility of Providing Instream Flow in the Laramie River Instream Flow Segment No. 1
9. Report on the Feasibility of Providing Instream Flow in the Little Bighorn River Flow Segment No. 1 Temporary Filing No. 26 5/339
10. Report on the Feasibility of Providing Instream Flow in the North Cottonwood Creek Instream Flow Segment No. 1 Temporary Filing No. 26 4/388
11. Report on the Feasibility of Providing Instream Flow in the South Fork Grand Encampment River Flow Segment No. 1 Temporary Filing No. 26 5/399
12. Report on the Feasibility of Providing Instream Flow in the South Cottonwood Creek Instream Flow Segment No. 1 Temporary Filing No. 26 6/383
13. Report on the Feasibility of Providing Instream Flow in the Big Wind River - - Instream Flow Segment No. 1 Temporary Filing No. 26 5/341
14. Final Report Little Snake River Instream Flow Study Project
15. Final Report on the Feasibiity of Providing Instream Flows in the Douglas Creek Drainage
16. Final Report on the Feasibility of Providing Instream Flows in the North Platte River
17. Report on the Feasibility of Providing Instream Flow in the Fish Creek Instream Flow Segment No. 1 Temporary Filing No. 27 2/186

18. Report on the Feasibility of Providing Instream Flow in the La Barge Creek Instream Flow Segment No. 1 Temporary Filing No. 27 3/146
19. Report on the Feasibility of Providing Instream Flow in the Middle Piney Creek Instream Flow Segment No. 1 Temporary Filing No. 27 6/185
20. Report on the Feasibility of Providing Instream Flow in the North Piney Creek Instream Flow Segment No. 1 Temporary Filing No. 27 5/185
21. Report on the Feasibility of Providing Instream Flow in the South Piney Creek Instrream Flow Segment No. 1 Temporary Filing No. 27 1/186
22. Feasibility of Providing Deer Creek Instream Flows in Segment No. 1 - Deer Creek Canyon Temporary Filing No. 27/3/185
23. Report on the Feasibility of Providing Instream Flow in Segments 1 and 2 of Shell Creek
24. Report on the Feasibility of Providing Instream Flow in Segment 1 of the Sweetwater River
25. Report on the Feasibility of Providing Instream Flow in Grey's River Instream Flow Segment No. 1 Temporary Filing No. 28 2/159
26. Report on the Feasibility of Providing Instream Flow in Fish Creek Instream Flow Segment No. 1 and No. 2 Temporary Filing No. 28 4/158 and No. 28 5/158
27. Report on the Feasibility of Providing Instream Flow in Salt River Instream Flow Segment No. 1 Temporary Filing No. 28 3/80
28. Report on the Feasibility of Providing Instream Flow in East Fork Smiths Fork Creek Instream Flow Segment No. 1 Temporary Filing No. 28 2/84
29. Final Report of the Savery Area Instream Flow Study
30. Report on the Feasibility of Providing Instream Flow in the Salt Creek/Thomas Fork Drainage for Water Canyon; Giraffe Creek; Coal Creek; Raymond Creek; Salt Creek; Huff Creek
31. Final Report on the Feasibility of Providing Instream Flow in the Little Popo Agie River Instream Flow Segment No. 1 Temporary Filing No. 28 3/159
32. Report on the Feasibility of Providing Instream Flow in the Medicine Lodge Creek Instream Flow Segment No. 1 Temporary Filing No. 27 2/146
33. Report on the Feasibility of Providing Instream Flow in the Salt Creek/Thomas Fork Drainage for Packstring Creek Segment; Little White Creek Segment
34. Report on the Feasibility of Providing Instream Flow in the Smiths Fork Drainage for Smiths Fork; Porcupine Creek; Hobble Creek; Coantag Creek; Coal Creek; Poker Hollow Creek; Lander Creek; Trespass Creek; North Fork Smiths Fork River
35. Report on the Feasibility of Providing Instream Flow in the Hams Fork Instream Flow Segment No. 1 Temporary Filing No. 26 2/332
36. Report on the Green River Tibutaries #2 Instream Flow for Gilbert Creek; Little Gilbert Creek; Sage Creek; Currant Creek; Trout Creek; Red Creek
37. Reports on the Feasibility of Providing Instream Flow in Pine Creek (at Pinedale) Direct Flow Instream Flow Filing No. 31 4/105 Secondary Storage Instream Flow Filing No. 31 5/70 (From Permit Nos. 4452R, 4453R & 4465R)
38. Report on the Instream Flow Feasibility for Dry Fork Tributary of the Little Big Horn Creek Segment
39. Report on the Instream Flow Feasibility for Wagonhound Creek
40. Report on the Instream Flow Feasibility for Clear Creek - Segment #1; Clear Creek - Segment #2
41. Reports on the Feasibility of Providing Instream Flows on Greybull River Tributaries
42. Reports on the Feasibility of Providing Instream Flows on Wood River Tributaries
43. Rock Creek Instream Flow Study, Rock Creek Instream Flow, TFN 33 1/276
44. Marquette Creek and Trout Creek Instream Flow Level I Study, Marquette Creek Instream Flow, TFN 33 5/275; Trout Creek Instream Flow, TFN 33 6/275
45. East Fork Wind River Area Instream Flows, Level I Study
46. Greys-Hoback Basin Instream Flows, Level I Study

Completed Construction (Level III) Projects

01. PROJECT: **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, Wyoming
CONTRACTOR:	Roberts Construction; Evanston, Wyoming Kilroy and Company; Alpine, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	2000

02. 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, Wyoming
CONTRACTOR:	Kilroy Construction; Alpine, Wyoming Snyder Construction; Lyman, Wyoming AG SERVICES, Inc.; Blackfoot, Idaho
YEAR COMPLETED:	1994
SESSION LAW YEAR:	1991

03. 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, Wyoming
CONTRACTOR:	Johnson Excavation, Inc.; Inkom, Idaho
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2006

04. 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, Wyoming
CONTRACTOR:	Whitlock Construction; Powell, Wyoming
YEAR COMPLETED:	1995
SESSION LAW YEAR:	1991

05. 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, Wyoming
CONTRACTOR:	Strong Construction, Inc., Torrington, Wyoming
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2005, 2006

06. 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

07. 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, Wyoming
CONTRACTOR:	Whitlock Construction; Powell, Wyoming
YEAR COMPLETED;	2005
SESSION LAW YEAR:	2002

08. 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, Wyoming
CONTRACTOR:	Kilroy Construction; Alpine, Wyoming ABC Tank, Salt Lake City, Utah
YEAR COMPLETED:	1997
SESSION LAW YEAR:	1995

09. 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

10. 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

11. 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, Wyoming
CONTRACTOR:	Westwood Curtis Construction, Inc., Jackson Wyoming
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2005

12. 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, Wyoming
CONTRACTOR:	Ruby Drilling, Gillette, Wyoming
YEAR COMPLETED;	1999
SESSION LAW YEAR:	1997

13. 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, Wyoming
CONTRACTOR:	L&T Fabrication; Gillette, Wyoming
YEAR COMPLETED:	1997
SESSION LAW YEAR:	1994

14. 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, Wyoming
YEAR COMPLETED:	2004
SESSION LAW YEAR:	2000

15. 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

16. 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, Wyoming
CONTRACTOR:	High Plains Construction, Inc., Mills, Wyoming
YEAR COMPLETED:	2003
SESSION LAW YEAR:	2001, 2003

17.	**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, Wyoming Camp Creek Engineering, Laramie, Wyoming
	CONTRACTOR:	Three Sons, Hanna Wyoming Bartlett Oilfield Services, Bairoil Wyoming Bruce Thayer, Rawlins Wyoming
	YEAR COMPLETED:	2006
	SESSION LAW YEAR:	2000, 2004
18.	**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, Wyoming
	CONTRACTOR:	Cyclone Drilling, Gillette, Wyoming Larry's, Inc. Gillette, Wyoming Brandon Construction, Inc., Powell, Wyoming Lamax Construction, Inc., Basin, Wyoming Lamax Construction, Inc., Basin, Wyoming
	YEAR COMPLETED:	1995-2006
	SESSION LAW YEAR:	1995, 1996, 1998, & 2003
19.	**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, Wyoming
	CONTRACTOR:	EAI, West, Loveland CO
	YEAR COMPLETED:	2011
	SESSION LAW YEAR:	2009

20. 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, Wyoming
CONTRACTOR:	Larry's Inc.; Gillette, Wyoming
YEAR COMPLETED:	1987
SESSION LAW YEAR:	1984

21. 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, Wyoming
CONTRACTOR:	Allied Construction, Corrine, Utah
YEAR COMPLETED:	2010
SESSION LAW YEAR:	2006

22. 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, Wyoming
CONTRACTOR:	Snyder Construction, Inc.; Evanston, Wyoming
YEAR COMPLETED:	1989
SESSION LAW YEAR:	1988, 1989

23. 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

24. 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, Wyoming
CONTRACTOR:	Several
YEAR COMPLETED:	1998
SESSION LAW YEAR:	1991, 1995, 1996, 1997

25. 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, Wyoming
CONTRACTOR:	Big Horn Redi-Mix; Greybull, Wyoming
YEAR COMPLETED:	1998
SESSION LAW YEAR:	1995

26. 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, Wyoming
CONTRACTOR:	EHC, LLC, Deaver, Wyoming
YEAR COMPLETED:	2009
SESSION LAW YEAR:	2008

27. 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

28. 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

29 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, Wyoming
CONTRACTOR:	Big Horn Redi-Mix; Greybull, Wyoming
YEAR COMPLETED:	1995
SESSION LAW YEAR:	1993

30. 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, Wyoming
CONTRACTOR:	Eiden's Construction; Marbleton, Wyoming
YEAR COMPLETED:	1998
SESSION LAW YEAR:	1995

31. 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, Wyoming
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

32. 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

33. 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, Wyoming
CONTRACTOR:	SCI, Inc., Lyman Wyoming
YEAR COMPLETED:	2007
SESSION LAW YEAR:	2005

34. 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, Wyoming
YEAR COMPLETED:	Intake/diversion structure – 2003 Transmission line – 2003 Storage tank - 2004
SESSION YEAR LAW:	2001 and 2002

35. 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, Wyoming
CONTRACTOR:	Snyder Construction; Lyman, Wyoming
YEAR COMPLETED:	1994
SESSION LAW YEAR:	1991

36. 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, Wyoming
CONTRACTOR:	Hedquist Construction; Casper, Wyoming
YEAR COMPLETED:	1994
SESSION LAW YEAR	1993

37. 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, Wyoming
CONTRACTOR:	ASI Moltz; Cody, Wyoming
YEAR COMPLETED:	1993
SESSION LAW YEAR:	1982, 1989

38. 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, Wyoming
CONTRACTOR:	Sulzer Canada, Ontario, Canada; Larry's Inc, Gillette, Wyoming; ASI Moltz, Cody, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1992, 1996

39. 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, Wyoming
CONTRACTOR:	ASI Moltz, Cody, Wyoming; Lamax Construction, Inc. Basin, Wyoming; Bartlett Construction, Hanna Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1992, 1996, 1997

40. **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, Wyoming
CONTRACTOR:	Venture Construction; Worland, Wyoming
YEAR COMPLETED:	1987
SESSION LAW YEAR:	1986

41. **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, Wyoming
CONTRACTOR:	Tucker Excavation, Moran, Wyoming
YEAR COMPLETED:	2005
SESSION LAW YEAR:	2001 and 2005

42. **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 trans0000mission pipelines
ENGINEER:	States West, Cheyenne, Wyoming
CONTRACTOR:	Storage Tank: Reiman Corporation, Cheyenne, WY Pipeline:Western Municipal Construction, Sheridan, WY
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2003, 2005, 2006

43. **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, Wyoming
CONTRACTOR:	Fletcher Construction; Sheridan, Wyoming
YEAR COMPLETED:	1987
SESSION LAW YEAR:	1984

44. **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, Wyoming
CONTRACTOR: Brandon Construction, Inc., Powell, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1996

45. **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, Wyoming
CONTRACTOR: Never constructed
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2003, 2004, 2008, 2010

46. **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

47. **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, Wyoming
CONTRACTOR: Town & Country Plumbing, Inc.; Burns, Wyoming
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1997

48. **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, Wyoming Central Contractors, Mills, Wyoming Jerry's Irrigation, Powell, Wyoming Hedquist Construction, Casper, Wyoming 71 Construction, Casper, Wyoming
YEAR COMPLETED:	1996
SESSION LAW YEAR:	1985

49. 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, Wyoming Worthington, Lenhart, and Carpenter, Inc., Casper, Wy.
CONTRACTOR:	Casper Alcova Irrigation District Pioneer Irrigation Co., Casper, Wyoming Lanphier, Inc., Lingle, Wyoming
YEAR COMPLETED:	2009
SESSION LAW YEAR:	2004, 2005, 2006

50. 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, Wyoming
CONTRACTOR:	Lindstat Construction; Riverton, Wyoming
YEAR COMPLETED:	2010
SESSION LAW YEAR:	2009

51. 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, Wyoming
CONTRACTOR:	Cook's Fabrication, Mills, Wyoming
YEAR COMPLETED:	2005
SESSION LAW YEAR:	2003

52. 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

53. 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

54. 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, Wyoming
CONTRACTOR:	71 Construction; Casper, Wyoming
YEAR COMPLETED:	2007
SESSION LAW YEAR:	2004

55. 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, Wyoming
CONTRACTOR:	Lamax Construction, Inc.; Basin, Wyoming
YEAR COMPLETED:	1994
SESSION LAW YEAR:	1989

56. 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, Wyoming
CONTRACTOR:	Rice-Kilroy Construction, Inc.; Dubois, Wyoming Automation and Electronics, Inc.; Casper, Wyoming Rocky Mountain Line Systems, Inc.; Mills, Wyoming
YEAR COMPLETED:	2011
SESSION LAW YEAR:	2008

57. 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, Wyoming Hedquist Construction, Inc., Casper, Wyoming
YEAR COMPLETED:	2007
SESSION LAW YEAR:	2002

58. 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, Wyoming
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2005

59. 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

60. 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

61. 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, Wyoming
CONTRACTOR: Pete's Excavating; Torrington, Wyoming
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1990

62. 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, Wyoming
CONTRACTOR: Timberline Excavating, LLC; Laramie, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1999

63. 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, Wyoming
	CONTRACTOR:	Domino Construction; Laramie, Wyoming
	YEAR COMPLETED:	1993
	SESSION LAW YEAR:	1991
64.	**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, Wyoming
	CONTRACTOR:	Domson Incorporated; Torrington, Wyoming
	YEAR COMPLETED:	2009
	SESSION LAW YEAR:	2008
65.	**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, Colorado
	CONTRACTOR:	TIC; Casper, Wyoming
	YEAR COMPLETED:	1996
	SESSION LAW YEAR:	1993
66	**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, Wyoming
	CONTRACTOR:	Excel Construction, Sheridan, Wyoming
	YEAR COMPLETED:	1999
	SESSION LAW YEAR:	1997
67.	**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 Wyoming
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2003

68. 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, Wyoming
CONTRACTOR: Moltz Constructors, Inc., Cody, Wyoming
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2001, 2002

69. 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, Colorado
CONTRACTOR: Barcon Wyoming, Sheridan, Wyoming
YEAR COMPLETED; 1999
SESSION LAW YEAR: 1993, 1995, 1996

70 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, Colorado
CONTRACTOR: TCI Wyoming, Inc., Casper, Wyoming
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2000, 2003, 2005

71. 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, Wyoming
CONTRACTOR: Larry's Inc.; Gillette, Wyoming
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1991

72. 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, Wyoming
CONTRACTOR: Several
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1980

73. 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, Wyoming
Wester-Wetstein & Associates, Laramie, Wyoming
Weston Engineering, Inc, Laramie, Wyoming
CONTRACTOR: Sargent Irrigation, Scottsbluff, Nebraska
D.C. Drilling Co.; Lusk, Wyoming
Weston Engineering, Inc, Upton, Wyoming
Magee Trucking; Cheyenne, Wyoming
Ward's Well Service; Riverton, Wyoming
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1988 and 1993

74. 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, Wyoming
CONTRACTOR: Three Sons; Hanna, Wyoming
Sargent Irrigation Co., Inc; Scottsbluff, Nebraska
Richardson Construction; Cheyenne, Wyoming
D.C. Drilling, Inc.; Lusk, Wyoming
Kelly-Deines Irrigation, Inc; Gering, Nebraska
DATE COMPLETED: 2007
SESSION LAW DATE: 1999, 2003, 2005, 2006

75. 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, Wyoming
CONTRACTOR:	71 Construction; Casper, Wyoming
DATE COMPLETED:	1998
SESSION LAW DATE:	1997

76. 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, Wyoming
CONTRACTOR:	Lamax Construction; Basin, Wyoming
YEAR COMPLETED:	1990
SESSION LAW YEAR:	1989

77. 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, Wyoming
CONTRACTOR:	Harris Trucking**,** Cody, Wyoming
YEAR COMPLETED:	1999
SESSION LAW YEAR:	1996

78. 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 Wyoming
CONTRACTOR:	Excel Construction, Sheridan, Wyoming Sletten Construction, Cody, Wyoming
YEAR COMPLETED:	2011
SESSION LAW YEAR:	2007, 2008

79 **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, Wyoming
CONTRACTOR: Brandon Construction, Inc., Wyoming
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1997

80. **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, Wyoming
CONTRACTOR: Noble Construction; Cora, Wyoming
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1996

81. **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, Wyoming
CONTRACTOR: JASCO, Inc., Evanston, Wyoming
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1994

82. **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, Wyoming
CONTRACTOR: S & S Builders; Gillette, Wyoming
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1994

83. **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, Wyoming
CONTRACTOR: Larry's Inc.; Gillette, Wyoming
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1994, 1995

84. **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, Wyoming
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2000

85. **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, Colorado
CONTRACTOR: Gracon Construction Company; Loveland, Colorado
YEAR COMPLETED: 1989
SESSION LAW YEAR: 1985, 1989

86. **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

87. **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, Wyoming
CONTRACTOR: Western Municipal, Sheridan, Wyoming
Hofer Building
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2001 and 200

88. **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, Wyoming
CONTRACTOR: Deaver Irrigation District
YEAR COMPLETED: 1990
SESSION LAW YEAR: 1989

89. **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, Wyoming
CONTRACTOR: Deaver Irrigation District
MATERIALS: Riverton Concrete Products, Inc.; Riverton, Wyoming
Production Machine Co., Inc.; Powell, Wyoming
Miller Fabrication, Inc.; Lovell, Wyoming
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2003, 2005

90. **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, Wyoming
Sage Civil Engineering, Cody, Wyoming

CONTRACTOR:	Deaver Irrigation District
MATERIALS:	Miller Fabrication, Inc., Lovell, Wyoming J&E Irrigation, Inc., Basin, Wyoming
YEAR COMPLETED:	2009
SESSION LAW YEAR:	2007

91. 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, Colorado
CONTRACTOR:	Bartlett Construction; Hanna, Wyoming
YEAR COMPLETED:	1996
SESSION LAW YEAR:	1985, 1989

92. 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, Wyoming
CONTRACTOR:	Hedquist Construction; Casper, Wyoming
YEAR COMPLETED:	1995
SESSION LAW YEAR:	1992, 1994

93. 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, Wyoming
CONTRACTOR:	Russell Construction; Douglas, Wyoming
YEAR COMPLETED:	1993
SESSUIB LAW YEAR:	1991

94. 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, Wyoming
CONTRACTOR: Salt Creek Welding, Casper, Wyoming; High Plains Construction, Casper, Wyoming; Water System Drilling; Gillette Wyoming; Russell Construction, Douglas, WY.
YEAR COMPLETED: 2004
SESSION LAW YEAR: 1999, 2003

95. 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

96. 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, Wyoming
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2004

97. 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, Wyoming
CONTRACTOR: Wilkinson Construction; Dubois, Wyoming
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1992

98. 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

99. 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, Wyoming; Nelson Engineering, Jackson, Wyoming
CONTRACTOR: Johansen Construction, Mt. Pleasant, Utah
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2005

100. 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

101. 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, Wyoming
CONTRACTOR: Larry's, Inc. Gillette, Wyoming
Bartlett, Inc, Hanna, Wyoming
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1992

102. 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

103. 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, Wyoming
CONTRACTOR: Bartlett Construction; Hanna, Wyoming
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1996

104. 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, Wyoming
CONTRACTOR: Three Way, Inc., Gillette, Wyoming and Hot Iron, Inc., Gillette, Wyoming, a joint venture
YEAR COMPLETED: 2002
SESSION LAW YEAR: 2001, 2002

105. 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, Wyoming
CONTRACTOR: Great Divide Construction; Baggs, Wyoming
YEAR COMPLETED: 1988
SESSION LAW YEAR: 1985

106. 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, Wyoming
CONTRACTOR: Town of Encampment; Encampment, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

107. 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, Wyoming
CONTRACTOR: T.J.G., Inc.; Evanston, Wyoming
YEAR COMPLETED: 1991
SESSION LAW YEAR: 1991

108. 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, Wyoming
CONTRACTOR: Peavler's Mountain Star Inc.; Afton, Wyoming
YEAR COMPLETED: 2002
SESSION LAW YEAR: 1994 & 1998

109. 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, Wyoming
CONTRACTOR: Flare Construction; Coalville, Utah
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1998

110. 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, Wyoming
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1996

111. **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, Wyoming
CONTRACTOR: Bartlett Construction; Hanna, Wyoming
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1992

112. **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, Wyoming
CONTRACTOR: JASCO; Evanston, Wyoming
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1992

113. **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, Wyoming
CONTRACTOR: NA
YEAR COMPLETED: 1990
SESSION LAW YEAR: 1988

114. **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

115. **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, Wyoming
CONTRACTOR: Koch Construction, Daniel, Wyoming
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2002, 2006

116. 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, Wyoming
CONTRACTOR: Pete's Excavation; Torrington, Wyoming
YEAR COMPLETED: 1992
SESSION LAW YEAR: 1990

117. 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

118. 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, Wyoming.
CONTRACTOR: Snyder Construction, Lyman, Wyoming.
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1993

119. 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, Wyoming
Noble Construction; Pinedale, Wyoming
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1982, 1986, 1992

120. 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, Wyoming
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2001, 2002

121. 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, Wyoming; Wester-Wetstein, Laramie, Wyoming
CONTRACTOR: DRM Inc, Gillette, Wyoming; Ruby Drilling, Gillette, Wyoming
YEAR COMPLETED:: 2000
SESSION LAW YEAR: 1995, 1996, 1998

122. 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, Wyoming
CONTRACTOR: None
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005

123. 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

124. 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, Wyoming
CONTRACTOR:	DRM Inc, Gillette, Wyoming
SESSION LAWS:	2000
COMPLETION YEAR:	2002

125. 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, Wyoming
CONTRACTOR:	DRM, Inc.; Gillette, Wyoming
YEAR COMPLETED:	2007
SESSION LAW YEAR:	2004

126. 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, Wyoming
CONTRACTOR:	Jim's Water Service; Gillette, Wyoming, Hot Iron; Gillette, Wyoming, Tower Construction, Gillette, WY
YEAR COMPLETED:	2000
SESSION LAW YEAR:	1995, 1996

127. 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, Wyoming

CONTRACTOR: S&S Builders; Gillette, Wyoming
YEAR COMPLETED; 1995
SESSION LAW YEAR: 1993

128. 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, Wyoming
CONTRACTOR: Automation & Electronics; Casper, Wyoming
YEAR COMPLETED: 2000
SESSION LAW YEAR; 1997

129. 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

130. 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

131. 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, Wyoming

CONTRACTOR: 71 Construction Casper, Wyoming
YEAR COMPLETED: 2003
SESSION LAW YEAR: 2000, 2002

132. 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, Wyoming
CONTRACTOR: Wyoming Power Wash, Inc., Casper, Wyoming
YEAR COMPLETED: 2007
SESSION LAW YEAR: 2004

133. 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, Wyoming
CONTRACTOR: EAI; Loveland, Colorado
COMPLETION DATE: 2008
SESSION LAW YEAR: 2006

134. 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, Wyoming
CONTRACTOR: Larry's Inc.; Gillette, Wyoming
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1986

135. 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

136. 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

137. 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, Colorado
CONTRACTOR:	Sutron Corporation; Sterling, Virginia
YEAR COMPLETED:	1996
SESSION LAW YEAR:	1993

138. 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, Wyoming
CONTRACTOR:	Goshen Irrigation District
YEAR COMPLETED:	1991
SESSION LAW YEAR:	1986

139. 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, Colorado
CONTRACTOR:	Goshen Irrigation District Lanphier, Inc., Lingle, Wyoming Waterman Industries, Inc., Garden City, Kansas Innovative Process Design, Inc., Aurora, Colorado Smitty's Repair Service, Inc., Torrington, Wyoming
YEAR COMPLETED:	2009
SESSION LAW YEAR:	2000, 2004

140. 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, Colorado
CONTRACTOR:	Bartlett Construction; Hanna, Wyoming John's Pump Service; Torrington, Wyoming
YEAR COMPLETED:	1997
SESSION LAW YEAR:	1992, 1994, 1995, and 1996

141. 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

142. 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

143. 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

144. 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, Wyoming
CONTRACTOR:	LaMax Construction, Basin, Wyoming
YEAR COMPLETED:	2005
SESSION LAW YEAR:	2000

145. 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, Wyoming
CONTRACTOR:	Unknown
YEAR COMPLETED:	2005
SESSION LAW YEAR:	2003

146. 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, Wyoming
CONTRACTOR:	LAMAX CONSTRUCTION, INC., Basin, Wyoming
YEAR COMPLETED:	2011
SESSION LAW YEAR:	2008

147. 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, Wyoming

	CONTRACTORS:	Lamax Construction, Basin, Wyoming Automation Electronics, Casper, Wyoming
	YEAR COMPLETED;	2000
	SESSION LAW YEAR:	1996
148.	**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, Wyoming
	COMPLETION DATE	2002
	SESSION LAW	1998, 1999
149.	**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, Colorado
	CONTRACTOR:	Ogden Engineering and Construction, Inc. Cody, Wyoming
	YEAR COMPLETED:	2010
	SESSION LAW YEAR:	1994, 1996, 2002, 2005
150.	**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, Wyoming
	CONTRACTOR:	JASCO; Evanston, Wyoming
	YEAR COMPLETED:	1995
	SESSION LAW YEAR:	1992
151.	**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, Colorado; Weston Engineering, Laramie Wyoming

	CONTRACTOR:	D. C. Drilling, Wheatland, High Plains Construction, Casper, Wyoming
	YEAR COMPLETED:	2001
	SESSION LAW YEAR:	1996
152.	**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
153.	**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, Wyoming
	CONTRACTOR:	Industrial Coatings, Inc. Great Falls, Montana
	YEAR COMPLETED:	2005
	SESSION LAW YEAR:	2003
154.	**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, Wyoming
	CONTRACTOR:	R-D Construction, Casper, Wyoming Magic Valley Heliac, Twin Falls, Idaho
	YEAR COMPLETED:	1992
	SESSION LAW YEAR:	1990
155.	**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

156. 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, Wyoming DMJM, Denver, Colorado Stone and Webster, Denver, Colorado
CONTRACTOR:	Larry's Plumbing and Heating, Gillette, Wyoming Scott and Son, Torrington, Wyoming Lower and Co., Casper, Wyoming
DATE COMPLETED:	1989
SESSION LAW DATE:	1983, 1985, 1993

157. 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, Wyoming
CONTRACTOR:	Reiman Corporation; Cheyenne, Wyoming
YEAR COMPLETED:	2010
SESSION LAW YEAR:	2007, 2008

158. 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, Wyoming
CONTRACTOR:	Heart Mountain Irrigation District
DATE COMPLETED:	2008
SESSION LAW DATE:	2004, 2006

159. 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

160. 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, Colorado
CONTRACTOR: Midvale Irrigation District
DATE COMPLETED: 2010
SESSION LAW DATE: 2004, 2006

161. 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, Wyoming
CONTRACTOR: Mainline Construction; Billings, Montana
Big Horn Red-Mix; Worland, Wyoming
Tesco Electric; Worland, Wyoming
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1989

162. 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, Wyoming
CONTRACTOR: Fletcher Construction; Sheridan, Wyoming
YEAR COMPLETED: 1990
SESSION LAW DATE: 1988

163. 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, Wyoming
CONTRACTOR: A & D Dozers, Inc.; Rawlins, Wyoming
YEAR COMPLETED: 2002
SESSION LAW YEAR: 2000

164. 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, Wyoming
CONTRACTOR: Ames Construction, Inc. Denver, Colorado
YEAR COMPLETED: 2010
SESSION LAW YEAR: 1988, 1989, 1993, 2001

165. 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 (NRCS), 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

166. 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, Wyoming
BenchMark Engineering; Torrington, Wyoming
CONTRACTOR: Horse Creek Conservation District; Hawk Springs, Wyoming
MATERIALS: Shively Hardware Co., Saratoga, Wyoming
Vaughn Concrete Products, Inc.; Cheyenne, Wyoming
Lanphier, Inc.; Lingle, Wyoming
Panhandle Concrete Products, Inc.; Scottsbluff, Nebraska
YEAR COMPLETED: 2001
SESSION LAW DATE: 1999

167. 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

168. 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, Wyoming
CONTRACTOR:	Foster Construction Co., Inc., Riverton, Wyoming
YEAR COMPLETED:	2002
SESSION LAW YEAR:	2001

169. 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, Wyoming
CONTRACTOR:	S & S Builders; Gillette, Wyoming
YEAR COMPLETED:	1994
SESSION LAW DATE:	1991

170. 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, Wyoming
CONTRACTOR:	Nichols and Lewis; Lovell, Wyoming
YEAR COMPLETED:	1994
SESSION LAW DATE:	1990

171. 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, Wyoming
CONTRACTOR:	Wilson Brothers Construction, Lovell, Wyoming
YEAR COMPLETED:	2009
SESSION LAW YEAR:	2006

172. 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, Wyoming
CONTRACTOR:	High Plains Construction; Mills, Wyoming
YEAR COMPLETED:	1994
SESSION LAW YEAR:	1992

173. 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, Colorado
CONTRACTOR:	Shoshone Irrigation District
YEAR COMPLETED:	1987
SESSION LAW DATE:	1984

174. 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, Wyoming
CONTRACTOR:	Thomas Drilling; Afton, Wyoming G.M. Stewart Corporation; Evanston, Wyoming
YEAR COMPLETED;	2001
SESSION LAW YEAR;	1999

175. 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

176. 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, Wyoming
CONTRACTOR:	H-K Contractors, Inc., Idaho Falls, ID
YEAR COMPLETED:	1998
SESSION LAW YEAR:	1994

177. 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, Wyoming
CONTRACTOR:	Willies Dirt Service, Wamsutter Wyoming
YEAR COMPLETED:	2005
SESSION LAW YEAR:	2003

178. 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, Wyoming
CONTRACTOR:	High Plains; Casper, Wyoming
COMPLETION DATE	4/21/2009
SESSION LAW	2006

179. 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, Colorado
CONTRACTOR: Nicholas Construction Company; Denver, Colorado
YEAR COMPLETED: 1990
SESSION LAW YEAR: 1988, 1990

180. 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, Wyoming
CONTRACTOR: W.A.R., Inc., Thermopolis, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR; 1999

181. 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, Wyoming
CONTRACTOR: Big Horn Red Mix; Greybull, Wyoming
YEAR COMPLETED: 1987
SESSION LAW DATE: 1984

182. 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, Wyoming
CONTRACTOR: Lamax Construction, Basin, Wyoming
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2007

183. 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, Colorado

CONTRACTOR: MRC, Inc.; Casper, Wyoming
YEAR COMPLETED: 1992
SESSION LAW DATE: 1986

184. 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, Wyoming
CONTRACTOR: Donnes Incorporated; Shepherd, Montana
C&S Construction, Inc.; Billings, Montana
Big Horn Welding, Inc.; Buffalo, Wyoming
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2005, 2009

185. 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, Wyoming
CONTRACTOR: Domino Construction; Laramie, Wyoming
YEAR COMPLETED: 1990
SESSION LAW DATE: 1988

186. PROJECT: Lake Hattie Outlet Works
SPONSOR: Pioneer Canal – Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $163,000
ACTUAL EXPENDITURES: $163,000
DESCRIPTION: New Outlet structure to prevent the build up of sediment in the outlet pipes
ENGINEER: WWC Engineering
CONTRACTOR: Hamaker Excavation, Laramie, Wyoming
Timberline Excavating, Sundance, Wyoming
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2004

187. 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, Wyoming
CONTRACTOR: Bartlett Construction; Hanna, Wyoming
Domson, Inc.; Torrington, Wyoming
YEAR COMPLETED: 1996
SESSION LAW DATE: 1990

188. 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, Wyoming
CONTRACTOR: Hedquist Construction, Inc., Casper, Wyoming
YEAR COMPLETED: 2002
SESSION LAW YEAR: 2000

189. 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, Wyoming
CONTRACTOR: Excel Construction, Inc.; Sheridan, Wyoming
YEAR COMPLETED: 2001
SESSION LAW DATE: 1997

190. 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, Wyoming
CONTRACTOR: Excel Construction Inc.; Sheridan, Wyoming
YEAR COMPLETED: 2002
SESSION LAW YEAR: 1999

191. 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, Wyoming
CONTRACTOR: Excel Construction Inc.; Sheridan, Wyoming
YEAR COMPLETED: 2002
SESSION LAW YEAR: 1999 & 2000

192. 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, Wyoming
CONTRACTOR: C.J. Abbot; Casper, Wyoming
YEAR COMPLETED: 1991
SESSION LAW YEAR; 1989

193. 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, Wyoming
CONTRACTOR: Central Contractors, Inc.; Mills, Wyoming
YEAR COMPLETED; 1985
SESSION LAW YEAR; 1984

194. 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, Wyoming; Dahlgren Consulting, Inc., Cheyenne, WY
CONTRACTOR: Sargent Irrigation; Broken Bow, NE
YEAR COMPLETED: 2012
SESSION LAW YEAR: 2009

195. 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

196. 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, Wyoming
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2000, 2001, 2002

197. 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, Wyoming; Wester-Wetstein & Associates, Laramie Wyoming
CONTRACTOR: Johnson's Pump and Excavating, Wheatland, Wyoming; Domino Construction, Laramie, Wyoming; High Plains Construction, Mills, Wyoming; Bartlett Inc, Hanna, Wyoming
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1995, 1996

198. 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

199. 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 Wyoming; Western Water Consultants, Laramie, Wyoming
CONTRACTOR:	Bartlett Construction, Hanna, Wyoming; TIC, Casper, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1998

200. 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, Wyoming
CONTRACTOR:	Six Point Solutions, LLC, Laramie, Wyoming
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2006

201. 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 Wyoming;
CONTRACTOR:	High Plains Construction, Casper, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1995, 1996

202. 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 Wyoming;
CONTRACTOR:	High Plains Construction, Casper, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1999

203. 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, Wyoming
CONTRACTOR: Foster Construction Company, Inc.; Riverton, Wyoming
YEAR COMPLETED: 1990
SESSION LAW YEAR: 1989

204. 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, Wyoming
CONTRACTOR: LeClair Irrigation District; Riverton, Wyoming
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1994

205. 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

206. 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, Wyoming
CONTRACTOR: Strong Construction, Inc., Torrington, Wyoming
YEAR COMPLETED: 2005
SESSION LAW DATE: 2002

207. 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, Wyoming

CONTRACTOR: Scott and Son, Inc. Torrington, Wyoming
YEAR COMPLETED: 2001
SESSION LAW DATE: 1999

208. 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, Wyoming
CONTRACTOR: Bartlett Construction, Hanna, Wyoming
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1993

209. 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, Wyoming
CONTRACTOR: Willies Dirt Service; Wamsutter, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1999, 2001

210. 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, Wyoming
CONTRACTOR: Willies Dirt Service; Wamsutter, Wyoming
YEAR COMPLETED: 2013
SESSION LAW YEAR: 1999, 2001, 2006, 2008

211. 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, Wyoming

CONTRACTOR: Nichols & Lewis, Inc.; Lovely, Wyoming
C. A. Wilson Construction Company; Cowley, Wyoming
Jerry's Irrigation and Drainage, Inc.; Powell, Wyoming
Dale Weaver, Inc.; Worland, Wyoming
YEAR COMPLETED: 1990
SESSION LAW DATE: 1985

212. 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

213. 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

214. 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, Wyoming
CONTRACTOR: Western Municipal Construction, Inc., Billings, Montana
YEAR COMPLETED: 1998
SESSION LAW DATE: 1996

215. 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, Wyoming
CONTRACTOR:	Sargent Drilling, Inc.; Broken Bow, Nebraska
YEAR COMPLETED:	2010
SESSION LAW YEAR:	2007

216. 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, Wyoming
CONTRACTOR:	X-it Construction, Inc.; Lyman, Wyoming S.C.I. Inc.; Lyman, Wyoming
YEAR COMPLETED:	1999
SESSION LAW YEAR:	1996

217. 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 Wyoming
CONTRACTOR:	Landkammer Trenching, Lance Creek, Wyoming
YEAR COMPLETED:	2002
SESSION LAW YEAR:	1998

218. 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, Wyoming
CONTRACTOR:	Larry's Inc.; Gillette, Wyoming
YEAR COMPLETED:	1996
SESSION LAW YEAR:	1994

219. 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

220. 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, Wyoming
CONTRACTOR: DRM, Inc.; Gillette, Wyoming
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1994

221. 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, Wyoming
CONTRACTOR: Fletcher Construction, Sheridan, Wyoming
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005, 2006

222. 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, Wyoming
CONTRACTOR: Eastern Colorado Builders, Inc., Colorado Springs, Colorado
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2005

223. 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, Colorado

CONTRACTOR: LAMAX Construction, Basin, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

224. 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

225. 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

226. 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, Wyoming
DATE COMPLETED: 2008
SESSION LAW DATE: 2005

227. 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
228.	**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, Wyoming
	CONTRACTOR:	Midvale Irrigation District
	DATE COMPLETED:	1999
	SESSION LAW DATE:	1995
229.	**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, Wyoming
	CONTRACTOR:	La Max Construction; Basin, Wyoming
	YEAR COMPLETED:	1988
	SESSION LAW YEAR:	1986
230.	**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, Wyoming
	CONTRACTOR:	Grizzly Excavating and Construction, LLC, Casper, Wyoming
	YEAR COMPLETED:	2011
	SESSION LAW YEAR:	2009
231.	**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, Wyoming
	CONTRACTOR:	Hot Iron, Inc.; Gillette, Wyoming

		Williams Drilling Co.; Gillette, Wyoming
	DATE COMPLETED:	1997
	SESSION LAW DATE:	1994
232.	**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
233.	**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, Colorado
	CONTRACTOR	Lillard & Clark, Denver, Colorado
	Completion Date	June 2002
	Session Law	1995-1998
234.	**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, Colorado
	CONTRACTOR:	Lillard & Clark, Denver, Colorado Hedquist Construction, Inc., Casper, Wyoming JTL Group, Inc., Casper, Wyoming High Plains Construction, Inc., Casper, Wyoming
	COMPLETION DATE:	June 2002
	SESSION LAW:	1995-1998
235.	**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, Wyoming City of Newcastle; Newcastle, Wyoming

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

236. 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, Wyoming
CONTRACTOR: Strong Construction; Torrington, Wyoming
COMPLETION DATE: 2003
SESSION LAW: 2000

237. 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, Wyoming
Rondezvous Engineering, Jackson, Wyoming
CONTRACTOR: VanDeburg Excavation; Thayne, Wyoming
Thomas Drilling, Afton, Wyoming
COMPLETION DATE: October 2005
SESSION LAW: 2003

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

239. 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, Wyoming
CONTRACTOR: Bartlett Construction; Hanna, Wyoming
High County Construction; Casper, Wyoming
Rieman Construction; Cheyenne, Wyoming
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1989

240. 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, Wyoming
CONTRACTOR: JASCO Construction; South Weber, Utah
Kilroy and Company; Alpine, Wyoming
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2003

241. 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, Wyoming
CONTRACTOR: Hot Iron, Inc.; Gillette, Wyoming
DATE COMPLETED: 2005
SESSION LAW DATE: 2003

242. 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, Wyoming
CONTRACTOR: LaMax Construction, Inc.; Basin, Wyoming
DATE COMPLETED: 2009
SESSION LAW DATE: 2006

243. 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

244. 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, Wyoming
CONTRACTOR: Peavler's Mountain Star, Inc.; Afton, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR: 2001

245. 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, Wyoming
YEAR COMPLETED: 2000
SESSION LAW DATE: 1997

246. 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, Colorado
CONTRACTOR: McIntyre Construction; Great Falls, Montana
YEAR COMPLETED: 1982
SESSION LAW YEAR: 1981, 1982

247. 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, Colorado
CONTRACTOR: ASI Constructors, Pueblo, Colorado
YEAR COMPLETED: 2013
SESSION LAW YEAR: 2006

248. 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, Wyoming
CONTRACTOR: Rieman Construction; Cheyenne, Wyoming
Rawhide Mechanical; Riverton, Wyoming
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1994

249. 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, Colorado
CONTRACTOR: Town & Country Plumbing, Inc.; Burns, Wyoming
DATE COMPLETED: 2005
SESSION LAW DATE: 2003

250. 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

251. 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
252.	**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, Colorado
	CONTRACTOR:	Aztec Construction Co., Inc.; Cheyenne, Wyoming Timberline Electric & Control Corp.; Morrison, CO Town & Country Plumbing, Inc.; Burns, Wyoming
	DATE COMPLETED:	2004
	SESSION LAW DATE:	2000
253.	**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, Colorado
	CONTRACTOR:	Sargent Irrigation Company; Scottsbluff, Nebraska
	DATE COMPLETED:	2000
	SESSION LAW DATE:	1996
254.	**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, Wyoming
	CONTRACTOR:	Noble Construction; Pinedale, Wyoming
	SESSION LAWS:	2002
	COMPLETION DATE:	2003
255.	**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, Wyoming

CONTRACTOR: Snyder Construction; Lyman, Wyoming
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1991

256. 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, Wyoming
CONTRACTOR: Snyder Construction, Inc.; Lyman, Wyoming
YEAR COMPLETED: 1999
SESSION LAW YEAR: 1996

257. 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, Wyoming
DATE COMPLETED: 2005
SESSION LAW DATE: 2003

258. 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, Wyoming
CONTRACTOR: Hot Iron, Inc. Gillette, Wyoming
DATE COMPLETED: 2002
SESSION LAW DATE: 2001

259. 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, Wyoming
CONTRACTOR: Site Work Specialists; Rapid City, South Dakota
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2006

260. 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, Wyoming
CONTRACTOR:	Sundance Construction; Newcastle, Wyoming
YEAR COMPLETED:	1989
SESSION LAW YEAR:	1988

261. 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

262. 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
CONTRACTOR:	Hedquist Construction, Inc., Casper, Wyoming
YEAR COMPLETED:	1997
SESSION LAW YEAR:	1995

263. 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, Wyoming
CONTRACTOR:	H-K Construction; Idaho Falls, Idaho
YEAR COMPLETED:	1997
SESSION LAW YEAR:	1996

264. 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, Wyoming
CONTRACTOR: Maguire Iron, Inc., Sioux Falls, South Dakota
Engineered Fluids, Inc., Centralia, Illinois
Western Municipal Construction, Gillette, Wyoming
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2001, 2002, 2003 & 2004

265. 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, Wyoming
CONTRACTOR: Grace Inc., DBA Capstone Construction, Powell, Wyoming
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2007

266. 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

267. 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, Wyoming

CONTRACTOR: EAI West, Inc., Loveland, CO
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2005, 2006

268. 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

269. 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, Wyoming
CONTRACTOR: Several
YEAR COMPLETED: 1989
SESSION LAW YEAR: 1986, 1989

270. 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, Colorado
CONTRACTOR: Paul Reed Construction & Supply, Gering, Nebraska
YEAR COMPLETED: 2013
SESSION LAW YEAR: Reservoir 2009 and 2010/2010 and 2011

271. 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, Wyoming
CONTRACTOR: City of Rawlins
YEAR COMPLETED: 1985
SESSION LAW YEAR: 1984

272. 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

273. 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, Wyoming
CONTRACTOR:	Western Municipal Construction, Billings Montana Three Sons Construction, Hanna, Wyoming
YEAR COMPLETED:	2003
SESSION LAW YEAR:	1998 and 2002

274. 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, Wyoming
YEAR COMPLETED:	1996
SESSION LAW YEAR:	1992

275. 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, Wyoming
CONTRACTOR:	None
YEAR COMPLETED:	Project was terminated
SESSION LAW YEAR:	2001 and 2004

276. 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, Wyoming
CONTRACTOR:	Larry's Inc.; Gillette, Wyoming
YEAR COMPLETED:	1987
SESSION LAW YEAR:	1984

277. 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, Wyoming
CONTRACTOR:	City of Riverton/Riverton Valley Irrigation District; Riverton, Wyoming
YEAR COMPLETED:	1999
SESSION LAW YEAR:	1994

278. 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

279. 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

280. 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, Wyoming
CONTRACTOR:	Riverton Valley Irrigation District, Riverton, Wyoming
YEAR COMPLETED:	2007
SESSION LAW YEAR:	2002

281. 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, Wyoming
CONTRACTOR:	Doug Evans Excavation, Riverton, Wyoming
YEAR COMPLETED:	2005
SESSION LAW YEAR:	2003

282. 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, Wyoming
CONTRACTOR:	Patrick Construction, Lander, Wyoming
YEAR COMPLETED:	2000
SESSION LAW YEAR:	1996, 1999

283. 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, Wyoming
CONTRACTOR:	Bartlett, Inc.; Hanna, Wyoming Moltz Constructors, Inc.; Cody, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1998

284. 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, Wyoming Crank Companies, Kemmerer, Wyoming
CONTRACTOR:	DeBernardi Construction, Rock Springs, Wyoming Snyder Construction, Lyman, Wyoming H-K Construction, Idaho Falls, Idaho High Pains Construction, Casper, Wyoming Resource Engineering, Rock Springs, Wyoming C M E, Green River, Wyoming
ENGINEER:	Forsgren Engineering, Evanston, Wyoming Crank Companies, Kemmerer, Wyoming
CONTRACTOR:	DeBernardi Construction, Rock Springs, Wyoming Snyder Construction, Lyman, Wyoming H-K Construction, Idaho Falls, Idaho High Pains Construction, Casper, Wyoming Resource Engineering, Rock Springs, Wyoming C M E, Green River, Wyoming
YEAR COMPLETED:	2000
SESSION LAW YEAR:	1990, 1994

285. 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, Wyoming
CONTRACTOR:	CVIC, Casper; Phipps, Glenrock; D.C. Drilling, Lusk, Wyoming; Bartlett, Hanna, Wyoming
DATE COMPLETED:	2001
SESSION LAW YEAR:	2000

286. 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, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	2000

287. 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, Wyoming
CONTRACTOR: Foster Construction; Riverton, Wyoming
YEAR COMPLETED: 1995
SESSION LAW YEAR: 1992, 1993

288. 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, Wyoming
CONTR2ACTOR: Hawley, Inc., Torrington, Wyoming
DATE COMPLETED: 2003
SESSION LAW YEAR: 2000

289. 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, Wyoming
CONTRACTOR: Coating Systems, Inc.
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2004

290. 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, Wyoming
CONTRACTOR: Arapahoe Utilities & Infrastructure, Englewood, Colorado
YEAR COMPLETED: 2010

291. 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, Wyoming
CONTRACTOR: Big Horn Ready Mix, Inc; Greybull, Wyoming
YEAR COMPLETED: 1989
SESSION LAW DATE: 1983

292. 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, Wyoming
CONTRACTOR: Continental Construction; Jackson, Wyoming
YEAR COMPLETED: 1989

293. 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

294. 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

295. 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

296. 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, Wyoming
CONTRACTOR:	Husman Construction; Sheridan, Wyoming
YEAR COMPLETED:	1987
SESSION LAW YEAR:	1985

297. 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, Wyoming
CONTRACTOR:	Excel Construction, Inc., Sheridan, Wyoming
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2003, 2005, 2006

298. 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, Wyoming.
CONTRACTOR:	Larry's Inc, Gillette, Wyoming
YEAR COMPLETED:	2001
SESSION LAW YEAR:	1999, 2000

299. 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

300. 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, Wyoming
MATERIALS:	J&E Irrigation, Inc., Basin, Wyoming White Cap Construction Supply; Ft. Collins, Colorado Teton Steel, Inc.; Casper, Wyoming Eden Farms; Powell, Wyoming Big Horn Redi-Mix, Inc.; Thermopolis, Wyoming
DATE COMPLETED:	2006
SESSION LAW DATE:	2002

301. 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, Wyo.
MATERIALS:	Cretex Concrete Products West; Minneapolis, MN J&E Irrigation, Inc.; Basin, Wyoming Waterworks Irrigation, Inc.; Ralston, Wyoming
YEAR COMPLETED:	2010
SESSION LAW YEAR:	2006

302. 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, Wyoming
CONTRACTOR:	Barcon; Sheridan, Wyoming TIC; Casper, Wyoming ASI Moltz; Cody, Wyoming
YEAR COMPLETED:	1992
SESSION LAW YEAR:	1987, 1990

303. PROJECT: **Shoshone Municipal Pipeline - 2009**

SPONSOR:	Shoshone Municipal Water JPB
LOCATION:	Park County
PROGRAM:	Rehabilitation
APPROPRIATION:	$2,428,800
ACTUAL EXPENDITURES:	$1,504,077
DESCRIPTION:	Pipeline relocation due to highway construction
ENGINEER:	DOWL HKM, Laramie, Wyoming
CONTRACTOR:	Garney Wyoming, Inc., Chugwater, WY
YEAR COMPLETED:	2012
SESSION LAW YEAR:	2009

304. 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, Wyoming Engineering Associates, Cody, Wyoming Inberg-Miller Engineers, Powell, Wyoming ESA, Bozeman, Montana Engineering Science, Inc., Salt Lake City, Utah Water Resources Engineers, Powell, Wyoming
CONTRACTOR:	LaMax Construction, Basin, Wyoming Miller Fabrication, Lovell, Wyoming Elkhorn Construction, Powell, Wyoming Moltz Construction, Cody, Wyoming Excel Construction, Sheridan, Wyoming
MATERIALS:	Elk River Concrete, Helena, Montana A-C Supply, Basin, Wyoming Boomers Irrigation, Powell, Wyoming J&E, Inc., Greybull, Wyoming TNT Irrigation, Inc., Powell, Wyoming
DATE COMPLETED:	2001
SESSSION LAW DATE:	1992

305. 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, Wyoming
CONTRACTOR:	Shoshone Irrigation District
MATERIALS:	Waterworks Irrigation, Inc., Ralston, Wyoming Northwest Pipe Fittings, Billings, Montana
YEAR COMPLETED:	2011
SESSION LAW YEAR:	2009

306. 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

307. 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, Wyoming
CONTRACTOR:	71 Construction, Inc.; Casper, Wyoming
YEAR COMPLETED:	1995
SESSION LAW YEAR:	1991

308. 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, Wyoming
CONTRACTOR:	Wilson Brothers Construction, Cowley, Wyoming
YEAR COMPLETED:	2004
SESSION LAW YEAR:	2002

309. 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, Wyoming
CONTRACTOR:	Excel Construction, Inc., Sheridan, Wyoming
DATE COMPLETED:	1998
SESSION LAW DATE:	1995

310. 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

311. 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, Wyoming
CONTRACTOR: Hot Iron Construction, Inc., Gillette, Wyoming
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2002

312. 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, Colorado
CONTRACTOR: Domino Construction; Laramie, Wyoming
DATE COMPLETED: 1996
SESSION LAW DATE: 1993

313. 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, Wyoming
CONTRACTOR: DRM, Inc., Gillette, Wyoming
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2004

314. 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, Wyoming
CONTRACTOR: Long's Plumbing & Heating, Inc., Gillette, Wyoming
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2002

315. 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, Wyoming
CONTRACTOR: Williams Drilling; Gillette, Wyoming
Hladky Construction; Gillette, Wyoming
DATE COMPLETED: 1996
SESSION LAW DATE: 1994

316. 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, Colorado
CONTRACTOR: Reiman Construction; Cheyenne, Wyoming
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1991

317. 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, Wyoming
CONTRACTOR: JASCO; Evanston, Wyoming
YEAR COMPLETED: 1994
SESSION LAW YEAR: 1991

318. 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, Wyoming
CONTRACTOR: Hedquist Construction; Casper, Wyoming
YEAR COMPLETED: 1997
SESSION LAW YEAR: 1993

319. 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, Wyoming
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1992

320. 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, Wyoming
CONTRACTOR: Larry's Inc, Gillette, Wyoming
YEAR COMPLETED: 1998
SESSION LAW YEAR: 1997

321. 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, Wyoming
DATE COMPLETED: 1998
SESSION LAW DATE: 1995

322. 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, Wyoming
CONTRACTOR: Guernsey Stone; Sheridan, Wyoming
DATE COMPLETED: 1993
SESSION LAW DATE: 1986

323. **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

324. **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

325. **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, Wyoming
CONTRACTOR: DRM, Inc.; Gillette, Wyoming
DATE COMPLETED: 2001
SESSION LAW DATE: 2000

326. **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

327. 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

328. 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, Wyoming
CONTRACTOR:	Ward's Well Service; Riverton, Wyoming
YEAR COMPLETED:	1994
SESSION LAW YEAR:	1993

329. 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

330. 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, Wyoming
CONTRACTOR:	Thomas Drilling; Afton, Wyoming H-K Construction; Idaho Falls, Idaho
DATE COMPLETED:	1996
SESSION LAW DATE:	1992

331. PROJECT: **Teton Village Water Supply**

SPONSOR:	Teton Village Water and Sewer District
LOCATION:	Teton County
PROGRAM:	New Development

APPROPRIATION: $2,447,500
ACTUAL EXPENDITURES: $52,915.43
DESCRIPTION: Connect wells, flow metering, control building, emergency generator, chlorination
ENGINEER: Nelson Engineering; Jackson, WY
CONTRACTOR: G E Johnson Construction Company; Colorado Springs, Colorado
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2009

332. 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, Wyoming
CONTRACTOR: Peavler's Mountain Star, Inc.; Afton, Wyoming
YEAR COMPLETED: 2002
SESSION LAW YEAR: 1998

333. 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

334. 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, Wyoming
CONTRACTOR: Andreen Hunt Construction, Inc., Casper, Wyoming
YEAR COMPLETED: 2003
SESSION LAW YEAR: 2000

335. 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, Nebraska
CONTRACTOR: Scott & Son, Inc., Torrington, Wyoming
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2002

336. 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, Nebraska
CONTRACTOR: Charles Sargent Irrigation, Scottsbluff, Nebraska
Strong Construction, Inc., Torrington, Wyoming
Ed Hawley, LLC, Torrington, Wyoming
Timberline Electronic & Control Corp., Morrison, CO.
YEAR COMPLETED: 2008
SESSION LAW YEAR: 1998, 2008

337. 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

338. 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, Wyoming
CONTRACTOR: Big Horn Red-Mix; Greybull, Wyoming
YEAR COMPLETED: 1993
SESSION LAW YEAR: 1980

339. 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, Wyoming
CONTRACTOR:	Big Horn Red-Mix; Greybull, Wyoming Pope Construction; Casper, Wyoming
YEAR COMPLETED;	1994
SESSION LAW YEAR:	1991

340. 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, Wyoming
CONTRACTOR:	Foster Construction, Riverton, Wyoming
DATE COMPLETED:	2001
SESSION LAW DATE:	1996

341. 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, Wyoming
CONTRACTOR:	Salt Creek Welding, Inc. Mills, Wyoming
DATE COMPLETED:	2002
SESSION LAW DATE:	2002

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

343. 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, Wyoming

CONTRACTOR: Dan Hart Patrol, Upton, Wyoming
Water System Management, Gillette, Wyoming
DATE COMPLETED: 1998
SESSION LAW DATE: 1994

344. 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, Wyoming
CONTRACTOR: Jackman Construction, Inc., Green River, Wyoming
COMPLETION DATE June 2002
SESSION LAW 2001

345. 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, Wyoming
CONTRACTOR: Edward Hawley, LLC, Torrington, Wyoming
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2006

346. 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

347. 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

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

349. 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, Wyoming
CONTRACTOR: Patrick Construction Inc.; Lander, Wyoming
YEAR COMPLETED: 2001
SESSION LAW YEAR: 1998

350. 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

351. 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

352. 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, Wyoming
CONTRACTOR: Foster Construction; Riverton, Wyoming
Sutron Corporation; Sterling, Virginia
DATE COMPLETED: 2002
SESSION LAW DATE: 1997

353. 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, Wyo.
MATERIALS: Rubicon Systems America; Loveland, Colorado
YEAR COMPLETED: 2010
SESSION LAW YEAR: 2006

354. 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, Wyoming
DATE COMPLETED: 1994
SESSION LAW DATE: 1992

355. PROJECT: Wheatland Sand Lake Dam/Cañon 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, Wyoming
CONTRACTOR: Three Sons, LLC, Hanna, Wyoming
DATE COMPLETED: 2003
SESSION LAW DATE: 1998

356. 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, Wyoming
CONTRACTOR: Scott & Son, Inc., Torrington, Wyoming
YEAR COMPLETED: 2003
SESSION LAW YEAR: 2001

357. 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, Wyoming
CONTRACTOR: Fletcher Construction; Sheridan, Wyoming
YEAR COMPLETED: 1987
SESSION LAW YEAR: 1987

358. 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, Wyoming
	CONTRACTOR:	Cop Construction, Billings, Montana
	YEAR COMPLETED:	1992
	SESSION LAW YEAR:	1990
359.	**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, Wyoming
	MATERIALS:	J&E Irrigation, Inc.; Basin, Wyoming
	YEAR COMPLETED:	2010
	SESSION LAW YEAR:	2009
360.	**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, Wyoming
	CONTRACTOR:	Larry's Inc.; Gillette, Wyoming
	YEAR COMPLETED:	1989
	SESSION LAW YEAR:	1987

361. 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, Wyoming
CONTRACTOR:	Weston Groundwater Engineering, Upton, Wyoming
YEAR COMPLETED:	1999
SESSION LAW YEAR:	1997

362. 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

363. 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, Wyoming
CONTRACTOR:	Interstate Irrigation; Yuma, Colorado
DATE COMPLETED:	1996
SESSION LAW DATE:	1990, 1991

364. 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, Wyoming
CONTRACTOR:	Midwest Farm Service; Scottsbluff, Nebraska
DATE COMPLETED:	1987
SESSION LAW DATE:	1986