2012
LEGISLATIVE REPORT

PATHFINDER MODIFICATION PROJECT

WYOMING WATER DEVELOPMENT COMMISSION

2012 LEGISLATIVE REPORT
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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 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 insure 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 insure 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 insures 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 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 insure that they do not conflict with future potential water development opportunities.

To date, out of the 111 instream flow filings proposed by the Wyoming Game and Fish Department, 86 have obtained permits from the State Engineer's Office, and 7 have been adjudicated by the Wyoming Board of Control.

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. To date, seven million dollars has been appropriated from Water Development Account No. I to the 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. As of December 31, 2011, over 40 entities had received assistance from the program.

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.

During the 2008 and 2010 Legislative sessions, the program was extended to July 1, 2012, in two year increments. 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 insure 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 $1,950,000 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. As of January 2012, $186,736,100 has been expended from Water Development Account No. I for non-project purposes. 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 insure 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 January 2012, $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 four Divisions: Planning, Construction, Dam and Reservoir, 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 July, 2011:

	Percentage (%) of Total Expenditures		
Sector	WD Account No. I	WD Account No. II	WD Account No.III
Multi-purpose	11.9	5.3	43.7
Agriculture	12.3	39.3	41.6
Municipal	45.9	45.8	14.7
Special Districts	6.7	2.8	-
Legal	4.0	3.9	-
Non-Project	19.2	2.9	-

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 20 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) and the Greybull Valley Irrigation District's Roach Gulch project are the most recent projects. The Pathfinder Modification Project was substantially completed in 2011.

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, 2012, there are projects with appropriations in excess of $300M in the construction phase of the Wyoming Water Development Program.

CHAPTER 2 - 2012 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. 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 and recommendations from the Governor. Sponsors and interested parties are afforded the opportunity to express their views.

G. 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.

H. 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. 2012 Funding Recommendations:

Summary-2012 Omnibus Water Bill-Planning

Level I Projects-New Development	Location	WDA I	WDA II	WDA III
Bear River Hydrology Model	Uinta/Lincoln	50,000		
Guernsey Master Plan	Platte	125,000		
Lovell Master Plan	Big Horn	110,000		
Middle North Platte Watershed Study	Natrona	250,000		
North Platte Water Yield Analysis	Carbon	75,000		
Statewide Water Research	Statewide	400,000		
Sundance Master Plan	Crook	150,000		
Subtotal		1,160,000		

Level II Projects-New Development	Location	WDA I	WDA II	WDA III
Gillette Regional Connections	Campbell	500,000		
Greybull Valley Hydropower	Big Horn	85,000		
Indian Paintbrush Water Supply	Teton	375,000		
Weather Modification Pilot Program	NP/Wind	2,400,000		
Subtotal		3,360,000		

Level I Projects-Dams and Reservoirs	Location	WDA I	WDA II	WDA III
Badwater-Poison Creek Watershed Study	Fremont			250,000
Upper Green River Watershed Study	Sublette			300,000
Subtotal				550,000

Level II Projects-Dams and Reservoirs	Location	WDA I	WDA II	WDA III
Nowood River Storage	Wash/BH			350,000
Shell Valley Storage	Big Horn			350,000
Sheridan Supplemental Storage	Sheridan			250,000
Subtotal				950,000

Level I Projects-Dams and Reservoirs	Location	WDA I	WDA II	WDA III
Austin Wall Canals	Uinta		150,000	
Basin-Big Horn Canal	Big Horn		150,000	
Hawk Springs Master Plan	Goshen		200,000	
Lakeview Irrigation Master Plan	Park		250,000	
Subtotal			750,000	

General	Location	WDA I	WDA II	WDA III
UW Office of Water Programs	Statewide	175,000		
Groundwater Studies	Statewide	800,000		
Subtotal		975,000		

Total		**5,495,000**	**750,000**	**1,500,000**

Summary-2011 Omnibus Water Bill-Construction

Level III Projects-New Development	Location	WDA I	WDA II	Terms
Big Horn Regional Well Connection	BH/W/HS	4,730,200		67G
Buffalo Northwest Pipeline	Johnson	365,000		Design, 67/33/4/30
Casper Poplar Transmission Pipeline	Natrona	1,541,000		67G
Cody West Transmission Pipeline	Park	408,700		67G
Fort Laramie StorageTank	Goshen	53,600		Design, 67G
Gillette Regional Extensions	Campbell	703,500		Design, 67G
Lander Water Supply	Fremont	3,068,000		50G
Lovell Transmission Pipeline	Big Horn	67,000		Design, 67G
Northwest Rural Northern Expansion	Park/BH	281,400		Design, 67G
Rolling Hills Water Supply	Converse	160,000		Design, 67/33/4/30
Sundance Storage Tank	Crook	712,500		75G
Subtotal		12,090,900		

Level III Projects-Rehabilitation	Location	WDA I	WDA II	Terms
Big Horn Canal Rehabilitation 2012	Washakie		1,440,000	67/33/4/30
Fayette Irrigation Rehabilitation	Sublette		180,000	67/33/4/20
Lake Hattie Dam	Albany		840,000	67/33/4/30
Lovell Canal Rehabilitation 2012	Park/BH		565,000	Materials Grant
Midvale Rehabiitation 2012	Fremont		945,000	Materials Grant
Shell Canal Tunnel Rehabilitation	Big Horn		1,220,000	67/33/4/30
Subtotal			5,190,000	

Amendments to Prior Appropriations	Location	WDA I	WDA II	Terms
Big Horn Regional JPB Pipeline	BH/W/HS	-2,512,500		Reversion
Small Water Development Projects-ND	Statewide	300,000		Reauthorization
Small Water Development Projects-R	Statewide			Reauthorization
Highline Canal Rehabilitation	Big Horn			Time extension
Sponsor's Inflation Funds	Statewide		300,000	Time extension
Greybull Valley ID Hydroelectric	Big Horn	-326,000		Reversion
Sheridan Northwest/Big Goose Tanks	Sheridan			Time extension
Laramie Transmission Pipeline	Albany	3,120,000		67/33/4/30
Teton Village Water Supply	Teton	-2,394,500		Reversion
South Laramie Water Supply	Albany	-461,830		65.14G
Heart Mountain Rehabilitation 2010	Park		485,000	Materials Grant
Little Snake Diversions	Carbon		1,323,500	67/33/4/20
GR/RS/SC Raw Water Reservoir	Sweetwater	7,382,000		50.5G
Wright Water Supply 2011	Campbell	1,072,000		67G
Willwood Dam Rehabilitation	Park		1,410,000	67/33/4/30
Subtotal		6,179,170	3,518,500	

Total	**18,270,070**	**8,708,500**

III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2012 Legislative Session.

Water Development Account I
Preliminary Fiscal Projections as of 7/1/2011

Revenues	
General Fund	120,600,000
Governor's Diversion 7/1/09	(3,000,000)
Budget Reserve	70,000,000
Taxes	555,827,777
Interest	201,285,319
UST Repayment	2,500,000
Coal Bonus	4,840,305
Loans/Interest	86,318,333
Other	1,229,885
Total Revenues	1,039,601,619
Expenditures	
Transfer to Water Account III	(54,070,000)
Transfer to Debt Service Accounts	(3,763,498)
Program Expenditures	(874,721,007)
Total Expenditures	(932,554,505)
Cash Balance 6/30/11	107,047,114
Outstanding Commitments 7/1/11	
Active Appropriations	(206,398,319)
Paid Appropriations	89,880,258
Total Commitments 7/1/11	(116,518,061)
Uncommitted Balance 7/1/11	(9,470,947)
FY12 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total - FY12 Anticipated Revenues	27,300,000
FY13 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total - FY13 Anticipated Revenues	27,300,000
FY14 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total - FY14 Anticipated Revenues	27,300,000
Subtotal Anticipated Revenues	81,900,000
Balance	**72,429,053**

Water Development Account II
Preliminary Fiscal Projections as of 7/1/2011

Revenues	
Taxes	134,109,562
Interest	44,726,087
Federal Mineral Royalty	5,000,000
Budget Reserve	12,000,000
Loans/Interest	38,634,357
Other	185,032
Total Revenues	234,655,038
Expenditures	
Total Expenditures	(198,088,829)
Cash Balance 6/30/11	36,566,209
Outstanding Commitments 7/1/11	
Active Appropriations	(64,464,590)
Paid Appropriations	24,402,308
Total Commitments 7/1/11	(40,062,282)
Uncommitted Balance 7/1/11	(3,496,073)
FY12 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total - FY012 Anticipated Revenues	6,100,000
FY13 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total - FY13 Anticipated Revenues	6,100,000
FY14 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total - FY14 Anticipated Revenues	6,100,000
Subtotal Anticipated Revenues	18,300,000
Balance	**14,803,927**

Water Development Account III
Preliminary Fiscal Projections as of 7/1/2011

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	4,650,924
Interest	31,050,976
Total Revenues	150,065,556
Expenditures	
Total Expenditures	(7,000,611)
Cash Balance 6/30/11	143,064,945
Outstanding Commitments 7/1/10	
Active Appropriations	(13,870,000)
Active Appropriations - Gillette Madison	(16,415,000)
Paid Appropriations	4,323,108
Total Commitments 7/1/11	(25,961,892)
Uncommitted Balance 7/1/11	117,103,053
FY12 Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total - FY12 Anticipated Revenues	3,000,000
FY13 - Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total - FY13 Anticipated Revenues	3,000,000
FY14 - Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total - FY14 Anticipated Revenues	3,000,000
Subtotal Anticipated Revenues	9,000,000
Balance	**126,103,053**

IV. 2013 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 2013 Session.

Water Development Account I

Available 2012 Session		$72,429,053
Non-Project Appropriations		
Agency Budget	$8,113,535	
DOA-Water Quality	675,000	
SEO-CO River E.S.	91,540	
DWSRF	1,640,000	
Deduct: Non-Project Appropriations		$10,520,075
Subtotal		$61,908,978
2012 Omnibus Water Bills		
Planning	$5,495,000	
Construction	18,270,070	
Deduct: Omnibus Water Bills		$23,765,070
Subtotal		$38,143,908
Add: Anticipated 2012 Reversions		$ 8,000,000
Available 2013 Session		$46,143,908

Water Development Account II

Available 2012 Session		$14,803,927
2012 Omnibus Water Bills		
Planning	$ 750,000	
Construction	8,708,500	
Deduct: Omnibus Water Bills		$ 9,458,500
Subtotal		$ 5,345,427
Add: Anticipated 2012 Reversions		$ 500,000
Available 2013 Session		$ 5,845,427

Water Development Account III

Available 2012 Session	$126,103,053
Omnibus Water Billing Planning	1,500,000
Available 2013 Session	$124,603,053

The following table attempts to predict funding requests for the 2013 Session:

Water Development Account I

Phased Projects-Priorities		
Buffalo Northwest Pipeline	$ 2,275,000	
Douglas Box Elder Spring-Phase II	10,207,500	
Fort Laramie Storage Tank	1,150,000	
Gillette Regional Extensions	6,733,500	
Lovell Transmission Pipeline	770,500	
Northwest Rural Northern Expansion	2,693,400	
Rolling Hills Water Supply	1,740,000	
Total Phased Projects		$25,569,900
Other Potential Projects		
Basin Planning	$ 250,000	
Watershed Studies	500,000	
Boulder Flats	2,000,000	
Burns Well Connection	500,000	
Cambria/Sweetwater	1,500,000	
Cheyenne Belvoir Well Field	10,000,000	
Jamestown Rio Vista	2,500,000	
Jeffrey City	500,000	
Kemmerer/Diamondville	1,500,000	
Lance Creek Well Connection	500,000	
Lucerne Water Supply	1,500,000	
Manville Well Connection	500,000	
Sheridan Loop Pipeline	1,000,000	
Squaw Creek Water Supply	500,000	
Total Other Potential		$23,250,000
Grand Total WDA I		$48,819,900

Water Development Account II

Phased Projects-Priorities		
Casper Alcova Irrigation District	$ 500,000	
Cody Canal Irrigation District	500,000	
Deaver Irrigation District	500,000	
Goshen Irrigation District	1,000,000	
Shoshone Irrigation District	500,000	
Wheatland Irrigation District	500,000	
Total Phased Projects		$ 3,500,000
Other Potential Projects		
Austin Wall Canals	$ 500,000	
Keystone-Farmers	1,000,000	
Little Snake Canals	500,000	
Wind River Irrigation	1,000,000	
Total Other Potential		$ 3,000,000
Grand Total WDA II		$ 6,500,000

Water Development Account III

There are ten (10) dam and reservoir projects under consideration.

Big Sandy Enlargement
Clear Creek Storage
Cottonwood/Grass Creek Storage
Cottonwood Lake Enlargement
Little Snake Supplemental Storage
Middle Piney Reservoir
Nowood River Storage
Shell Valley Storage
Sheridan Supplement Storage
Sublette Creek Reservoir

CHAPTER 3 - ACTIVE PROJECTS

01. **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 Wyoming DEQ operating requirement of 35 pounds per square inch. Residents in the area sought a resolution to the problem through construction of a booster pump station at the intersection of 33 Mile Road and Enberg Road to alleviate low water pressures being experienced by the residents located along Enberg Road. The pumping station consists of three pumps with variable frequency drives: two smaller pumps to meet the day-to-day demands in this portion of the system and a single larger pump for flushing and emergency flows. Until the low operating pressure problem can be resolved, the District has placed a moratorium on new connections to the system.

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

The District has secured the services of on engineering firm and has started the design process. Completion of the design and the initiation of construction are anticipated in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

02. **PROJECT:** **Alpine Water Supply**
LEVEL: III
SPONSOR: Town of Alpine
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$ 40,000	2002
Level II	75	2005	I	$ 75,000	2006
Level II	99	2006	I	$185,000	2008
Level III	121	2007	I	$688,090*	2012

* 67% grant

PROJECT INFORMATION:
The Master Plan study prepared for the Town of Alpine identified several needs that the Town considers to be critical to their ability to supply water to Alpine's residents.

The original scope of the proposed improvements represented a second phase of upgrades to the Town's water supply system and focused on the transmission of water from the well field to the major points of use. Upgrades included installation of connection piping to well #3 (drilled and pump tested in 2008), a 10-inch PVC transmission line along the Greys River Road to replace an 8-inch line that ruptured during the summer of 2005, and a 14-inch PVC line to replace an inadequate 8-inch line that feeds the main storage tank from the well field. An appropriation of $688,090 (67% grant) was approved by the 2007 Legislature. Construction of the connection of new well #3 to the Town's water system was started in January 2011 and completed in December 2011. Completing the second phase of the project has proven to be difficult for the Town as it is struggling financially with large indebtedness from a recently completed wastewater treatment plant project. The public works staff provided strong support for the completion of the water transmission line project due to many line failures and the poor quality of the piping material that was used for the main pipeline. It was hoped that in exchange for the ability to provide emergency water to North Star Utility (located in North Alpine) at some future date, the Utility would agree to pay for a portion of the Town's share of the transmission lines project. This however, did not occur.

With issuance of the U.S. Forest Service Special Use Permit in September 2009 for the Alpine Wells Rehabilitation Project, it was anticipated that the transmission lines project would be able to proceed in 2010. However, the town needed to acquire financing of $115,000 to completely match the WWDC grant of $688,090 before the project could proceed. No progress was made on this portion of the overall Town of Alpine water system improvements in 2010 and 2011. Upon completion of the Alpine Wells rehabilitation project in 2011, the Town decided not to proceed with the transmission lines project. The Town has indicated that it intends to revert the remaining WWDC funding for the transmission lines construction, approximately $600,000, in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

03. **PROJECT:** **Alpine Wells Rehabilitation**
LEVEL: III
SPONSOR: Town of Alpine
LOCATION: Lincoln County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	86	2001	II	$40,000	2002
Level II	75	2005	I	$75,000	2006
Level III	105	2006	II	$359,790*	2010

* 67% grant

PROJECT INFORMATION:
In the early 2000s, the Town of Alpine was faced with a large influx of people seeking to escape the high housing costs of Jackson while continuing to work there. As such, Alpine has had to deal with numerous requests for water service. The WWDC conducted a study in Alpine to determine the best way to serve the increasing population. Alpine's wells were tested and deemed capable of supplying 50% more water. To accomplish this, Alpine requested and received a grant in 2006, which was supplemented with a loan from the Drinking Water State Revolving Loan Fund, to install higher capacity pumps with variable frequency drives, upgrade the existing wells, as well as install an emergency power generator for the pumps.

New rules were adopted by the U. S. Forest Service in 2009 which required a second extensive technical review of the project, including the original Forest Service review which was completed in 2008. In addition, the U.S. Forest Service required that all proposed aspects of the project, including the future transmission line to an existing tank funded by WWDC as part of the Water Supply project, be included in the second technical review. This caused delays in the project. The second U.S. Forest Service Special Use Permit was finally authorized in September 2009.

The project was bid in August, 2010 to include well pumps upgrade, emergency power generator and Well No. 3 completion and connection. Only one bid was received and was rejected as being much higher than the project budget. The project was re-bid in October, 2010 with multiple bidders and a contract awarded in November, 2010. An extension of the Level III reversion date until 2013 was authorized by the 2011 Legislature. The project was completed in December 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

04. 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 are close to completion and design will start in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

05. PROJECT: Austin and Wall Canals

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

EXISTING LEGISLATION:

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

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 includes 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 has been approved. However, the total cost to rehabilitate both canals is $18,000,000. Therefore, the District requested $12,000,000 from the Rehabilitation Program. 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project remain at Level II status within the Rehabilitation Program with an increased budget of $150,000. The increased budget will be used to define a more affordable rehabilitation plan.

06. PROJECT: Badwater-Poison Creek Watershed Study

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

PROJECT INFORMATION:
The Lower Wind River 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 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 2013.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Dam and Reservoir Program at Level I status with an appropriation of $250,000.

07. PROJECT: Basin-Big Horn Canal

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

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 HW 16-20, State HWY 30, and the B.N. & S.F railroad line. With a recently constructed storage tank and regional connection to Greybull, the Town is timely positioned for a master plan.

The Town is seeking 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 requires up-dating since raw water system storage and distribution was installed. Seepage prevention and drain system expansion would alleviate annual Town expenditures to deal with flooding, street/alley surface repairs, and drying up boggy areas in the city limits.

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

08. PROJECT: Basin Planning – Environmental & Recreational Uses

LEVEL: I
SPONSOR: WWDC
LOCATION: State Wide
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	32	2010	I	$75,000	2011

PROJECT INFORMATION:
This study of environmental and recreational water uses will refine the state water planning process. Environmental and recreational water uses have been considered in all of the river basin plans but data used to define these uses have been hard to find and difficult to interpret. This study will assist WWDO in developing methodologies to: 1) define environmental and recreational water demands and benefits and 2) incorporate this information in river basin planning in a consistent and appropriate manner.

It is important to evaluate all water uses and demands in river basin planning to allow accurate estimates of water availability. This study has been designed to provide information on data sources for environmental and recreational uses and how to present these uses and demands in the context of river basin planning. Accurately establishing environmental and recreational water demands will also benefit other water development projects.

A methodology has been developed to analyze environmental and recreational demands. This methodology has been tested in the Greybull River Basin. Using the methodology developed and tested in this study a "Cook Book" is being prepared to help implement this analysis in other basins. A final report is expected early in 2012.

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

09. 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	2012

PROJECT INFORMATION:
The 1999 Legislature initiated the Statewide Water Planning Process with its appropriations to fund plans for 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. The State Framework Water Plan, which updates the 1973 framework plan and consolidates information from the seven basin plans, was initiated in 2005 and was completed in 2007. The Wind/Bighorn River Plan update was completed in 2010. The Green River Plan update is nearing completion. The Platte River Plan Groundwater update is underway.

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 study is expected to begin early 2012.

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

PROJECT INFORMATION:
This proposed 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 (WDO). The SEO is developing the databases and data necessary for a DSS. The WDO 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is requesting $50,000 under the New Development Program to develop a hydrology simulation model for the Wyoming Bear River Basin. The model will be developed in-house with the assistance of a consultant. Development of a simulation model will continue the basin planning process and begin development of a decision support system for water resource planning.

11. 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	38	2009	II	$945,000*	2014
Level III	66	2010	II	$235,000*	2014

* 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. The Level II study was completed in April 2007. The study indicated that the structures located at Fifteen Mile and Five Mile Creeks were in poor condition.

The sponsor is requesting funding to rehabilitate the wasteways/checks/drops at the Fifteen Mile Creek and Five Mile Creek sites. Replacing the structures would reduce the chance of the structures failing and flooding lands below the canal and stopping the delivery of the water in system.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $1,440,000. The recommended financing plan calls for a 67% grant and 33% loan with an interest of 4% and a term of 30 years.

12. PROJECT: Big Horn Regional Joint Powers Board Pipeline

LEVEL: III
SPONSOR: Big Horn Regional Joint Powers Board
LOCATION: Big Horn, Washakie, Hot Springs Counties
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 III	88	2001	I	$5,500,000*	2012
Level II	7	2002	I	$675,000	2004
Level III	118	2004	I	$13,628,500*	2012
Level III	121	2007	I	$7,222,600*	2012

*67% grant

PROJECT INFORMATION:
In December, 1996, the City of Worland's transmission Pipeline ruptured in a remote location, leaving Worland without potable water. This situation lasted for about 10 days and revealed the vulnerability of other potable water systems with remote water sources. Therefore, in 1999, the Big Horn Regional Steering Committee was organized to discuss ways to minimize the impact of future pipeline breaks. This committee evolved into the Big Horn Regional Joint Powers Board (BHRJPB) with the following objectives:

- Route a second water transmission pipeline from the City of Worland's well field to Worland, with a capacity to provide emergency water supply equal to the average daily demand of the largest entity plus primary demands for a few other entities;
- Connect the Town of Greybull's system to the Regional's system with a Greybull River crossing to provide supplemental water supply to Greybull;
- Explore means to support and enhance water supply to public water supply systems in rural Big Horn, Washakie and Hot Springs County; and,
- Develop a southern-basin water supply well field to provide redundancy of supply for the entire system.

The total budget to complete the northern portion of the Big Horn Regional Water Supply Project is $39,300,000, of which $26,351,100 is being provided as a 67% grant from the Water Development Program. All elements that comprise the northern system have been completed.

In 2007, the BHRJPB requested Level III funding to extend the northern system to the town of Kirby and the Lucerne Water and Sewer District (Element 10). However, evaluation of existing funding with present and forecasted expenditures revealed that sufficient funding was currently in place to complete the proposed project. Design of the Kirby/Lucerne portion of the project is complete. The project received favorable bids and the construction of the Element 10 phase is expected to be completed in late 2012.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending that $2,512,500 not needed to complete the project be reverted back to water development account I. In addition, the WWDC is recommending that the reversion date of the project appropriation be extended from 2012 to 2014 to allow for the completion of the project.

13. PROJECT: Big Horn Regional Well Connection

LEVEL: Level II
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	$ 7 ,222,600	2012

PROJECT DESCRIPTION:
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 the Worland well field.

RECOMMENDED LEGISLATIVE ACTION:
It is recommended that the project be advanced to Level III status in the New Development Account with an appropriation of $4,730,200. This will be a WWDC grant for 67% of the construction costs with remaining 33% being provided through a loan from the Wyoming Drinking Water State Revolving Fund.

14. PROJECT: Big Sandy Enlargement

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	III	$100,000	2010
Level II	1	2011	III	$300,000	2012

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 is 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 are also being used by the WWDC to complete a fatal flaw analysis to determine if there are any environmental or institutional requirements that may prohibit pursuing the project. For example, the study is focusing on mitigation of impacts to wetlands and sage grouse habitat. Furthermore, the study is investigating the potential to generate hydroelectric power and identifying measures for rehabilitation of the canal that the runs between Big Sandy and Eden Reservoirs.

Should the Level II fatal flaw analysis prove to be favorable, a portion of the appropriation will be used to contract with Reclamation, via the "Technical Service Agreement", to continue the technical feasibility analyses. The analyses will include a reconnaissance level geotechnical investigation of the dam foundation and pool area to identify potential issues that may be associated with an increase in dam height. Foundation issues may require

initiation of a drilling and testing program to develop a recommended foundation configuration. Should the Level II fatal flaw analysis for Big Sandy Reservoir prove to be unfavorable, a portion of the appropriation will be used to evaluate improvements to the Eden Reservoir, which also provides water to the District.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

15. PROJECT: Boulder Flats Water Supply

LEVEL: II
SPONSOR: Eastern Shoshone Business Council & Shoshone Utilities
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 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.

The exploration drilling program is awaiting environmental and cultural clearances by the tribes and BIA. Once those efforts are completed, the drilling contractor will mobilize to drill at least four test boreholes to determine best sites for production well placement.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

16. PROJECT: Buffalo Creek Watershed Study

LEVEL: I
SPONSOR: Hot Springs Conservation District
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	32	2010	I	$250,000	2013

PROJECT INFORMATION:
The Buffalo Creek watershed, located southeast of Thermopolis, is approximately 101,037 acres with land ownership divided among federal (25%), private (70%), and state (5%). The watershed includes the main stem of Buffalo Creek and its tributaries including Hazen Draw and Ditch, Jones, Antelope, Grass and Warm Springs Creeks.

Hot Springs 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 study will provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. The development of irrigation and upland livestock and wildlife water management and rehabilitation plans is also of interest. The final report is expected in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

17. PROJECT: Buffalo Northwest Pipeline

LEVEL: I
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

PROJECT INFORMATIION:
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 pipeline (12-inch, 19,100 linear feet), with a new 100,000-gallon storage tank, transmitting 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 be phased with Phase I of the project to include the

design, permitting and land acquisition for the project. Upon completion of Phase I, Phase II funding for construction will be requested in a future session. The construction costs are estimated to be an additional $2,275,000. The total Phase I and II budget is $2,640,000.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the project be advanced to Level III status in the New Development Program with an appropriation of $365,000 for Phase I of the project which includes design, permitting, and land acquisition. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years.

18. **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 2011, the Town of Buffalo received a Level III New Development project with an appropriation of $1,182,000 (67% grant and 33% loan).

The Town has selected an engineering firm and the design process is nearing completion. The engineer and the Town have been working on easement issues so the final design can be completed and the bidding phase of the project can be initiated. Completion of the design, finalization of easement issues, and the initiation of construction are anticipated in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

19. **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. The project has started construction and is anticipated to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

20. PROJECT: Burns Well

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

PROJECT INFORMATION:

A Level I 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 is to increase the water supply for the Town of Burns. Aquifer testing of the Town's existing wells was completed in Fall 2011. Level II test boring construction into the Arikaree Aquifer is scheduled for January 2012.

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

21. PROJECT: Cambria/Sweetwater Water Supply

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The WWDC received separate applications from the Cambria and Sweetwater I & S Districts. As the districts are in the same area and the issues are interconnected, the WWDC proposed that the requested Level II studies be combined into one feasibility study.

The study will evaluate a storage tank for the Cambria I & S District and a connection from Cambria to the Sweetwater I & S District

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

A potential health hazard exists to the residents of the Sweetwater Improvement and Service District. Their water source is exposed to potential contamination from surface run-off and impacts from wildlife and livestock. The presence of total coliform was detected in the summer of 2008. The District needs a secure water supply to protect the health of the residents. The WWDC has completed a Level I study for Sweetwater Improvement and Service District which concluded that Sweetwater should obtain water from Newcastle through the Cambria system. Therefore, Cambria may provide a water supply to 25 additional taps in the Sweetwater Improvement & Service District, which is contiguous to Cambria. The final report is expected in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is needed.

22. **PROJECT:** **Casper Alcova Rehabilitation Projects**
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 will finance eligible project costs including design, construction engineering, land rights, permitting, and construction.

In 2011, the CAID acquired easements for the project. The engineer hired in 2010 completed the design of the pipeline. Construction is anticipated to begin in 2012 and be completed prior to the 2013 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

23. **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

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

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

Currently, areas of Zone II have less than desirable operating water system 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. A new 12-inch PVC Zone III transmission line will be necessary in order to isolate the Zone II users and move them to Zone III. The Zone

III pipeline will parallel existing Zone II pipelines and will allow the City to "rezone" the low pressure areas without adversely impacting the remaining Zone II areas. The proposed Zone III transmission pipeline would provide redundant transmission capacity and better fire flow capability. The pipeline would start at Wyoming Boulevard and head north on Poplar Street to 39th Street, and then west on 39th Street to Ridgecrest Avenue.

The request also seeks funding for 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 would start at the Zone II tanks located at Wyoming Boulevard and go towards Poplar Street, then north on Poplar to 39th Street, and then west on 39th Street to Arroyo Drive.

The Sponsor will also be replacing two transmission lines and a distribution line in the project area at their expense.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the project be advanced to Level III status in the New Development program with an appropriation of $1,541,000. The recommended financing plan includes a 67% grant with the sponsor being responsible for the remaining 33% of the project budget.

24. PROJECT: Casper Zone III

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

*67% grant, 33% loan

PROJECT INFORMATION:
The Casper Water Master Plan was completed in November 2006. The master plan included detailed analyses of Casper's water pumping, storage and transmission systems. Deficiencies and recommended improvements were identified in all six elevation pressure zones of the Casper Regional Water System. Improvements identified include the construction of transmission loop lines, construction of transmission lines into new areas of growth, construction of redundant transmission lines, replacement of undersized lines, replacement of a pressure reducing valves, replacement of deteriorated booster pump stations, construction of new booster pump station and the construction of additional storage tanks.

The improvements identified in Zone 3, south central Casper – i.e., south and south west of Casper College, are among the largest in scope and were prioritized as being the most urgent. Zone 3 also provides the water which is pumped to and used in Zone 4 which includes the area south of Wyoming Boulevard. Growth in Zones 3 and 4 is projected to be at a rate greater than 3% per year for up to the next 25 years. Additionally there are

customers in Zone 2 with less than adequate water pressures that need to be connected into a redefined Zone 3 area. To accommodate growth in Zone 3 and provide for redefining the Zone 3 boundaries to solve low pressure problems in Zone 2, improvements are needed to the transmission, storage and pumping systems.

Funding to construct a 400,000 gallon storage tank at the Sunrise II tank and booster station, replacement of the Sunrise I booster station and the construction of three sections of 12-inch transmission lines total approximately 5,100 feet was approved. The pipelines will enable the city to provide redundant service from water storage tanks to the western and eastern portions of Zone 3, enabling water services to residents in event of a pipe failure. The storage tank is needed to improve system water pressures for both Zones 2 & 3 and to provide additional operational storage for the expanded Zone 3 service area along with increased flows needed to serve the substantial growth which is projected to occur in the Zone 3 area.

The engineer completed the design of the project and the project was successfully bid and awarded. Construction of the project was completed in 2011. The project is anticipated to be finalized in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

25. PROJECT: Casper Zone IV 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	68	2010	I	$663,300*	2015

*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 increasing the wall height of the existing 400,000 gallon welded steel water storage tank sixteen feet to provide additional system pressure to the Casper Zone 4 service area. Currently residents in this service area experience operating pressures below 35-psi. The project also consists of constructing approximately 1,300 feet of 12-inch pipe to provide redundancy to the northwest area of the service area. The tank raising and pipeline construction were specifically identified in the master plan.

The engineer completed the design of the project in 2011 and the project received favorable bids. Construction of the project has progressed well and is anticipated to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

26. **PROJECT:** **Central Wyoming Regional-Zone IIB**
LEVEL: I
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 the water treatment plant, well fields and regional transmission pipelines which was 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 is currently in the process of securing the services of an engineer.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

27. **PROJECT:** **Cheyenne Belvoir Ranch Groundwater**
LEVEL: II
SPONSOR: City of Cheyenne, Board of Public Utilities
LOCATION: Laramie County
PROGRAM: New Development

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	66	2009	I	$2,000,000	2011

PROJECT INFORMATION:
The City of Cheyenne Board of Public Utilities [BOPU] and the Wyoming Water Development Commission have conducted three previous studies to explore and develop ground water supplies on the Belvoir Ranch, located 6 miles southwest of the city. Those studies include:

1. Cheyenne Belvoir Ranch Level II Study, 2004-2007
2. Belvoir Ranch High Plains Aquifer – White River Aquifer Ground Water Exploration Grant Project, 2006-2008
3. Belvoir Ranch Paleozoic Ground Water Exploration Grant Project, 2005-2006

This Level II feasibility study is a comprehensive evaluation (including dual surface seismic/resistivity geophysical surveys) of the resource that was partially defined by the test drilling program conducted under the previous WWDC/BOPU Paleozoic ground water grant project. The drilling program included four test wells targeted at Casper Formation aquifer features with the most water supply potential on the Belvoir Ranch. Test drilling began in June of 2010 and extended into May of 2011. The final report to WWDC and BOPU is expected in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

28. 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 II	63	2011	I	$14,029,800*	2016

* 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 1 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.

The Level III - Phase 2 of the Southern Water Transmission Project is 11.5 miles of transmission main ranging in size from 42 – inch to 12 – inch. The route of the planned Phase 2 would extend 3 miles south from the end of the Phase 1 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 Cheyenne BOPU has hired an engineering consultant for the project. Currently the project is in the design phase with construction anticipated in the summer of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

29. PROJECT: Clear Creek Storage

LEVEL: II
SPONSOR: Lake DeSmet Conservation District
LOCATION: Johnson and Sheridan County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	III	$300,000	2011
Level II	1	2011	III	$250,000	2012

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 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 is 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 additional study is focusing primarily on hydrologic analysis, needs for supplemental water, and site investigations to determine the most viable storage locations.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

30. 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

**67% grant
***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 (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 systematically provided funding to the District 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 is being constructed over the winter of 2011-2012 and will replace Newton Avenue Chute. The appropriation of $223,000 will finance construction, construction engineering, and land rights as necessary to construct the project. The funding is 67% grant and 33% loan. In addition the sponsor has access to $51,590 in the Sponsor's Inflation Fund to complete the project. This funding is grant for 67% of each eligible project expense once the original appropriation is depleted. The sponsor will provide the 33% match from its own resources. This project should be completed prior to the 2012 irrigation season.

The Cody Canal Drop Structure Project will replace the Glory Hole Drop. The sponsor will perform the construction and is responsible for design, easements, permitting, construction engineering services, and all construction costs excluding invoiced materials. The $50,000 appropriation is 100% grant funding to finance invoiced materials. Construction of this project started in the fall of 2011 and should be completed prior to the 2012 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

31. **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

*67% grant

PROJECT INFORMATION:
The City of Cody's request 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 for the area. 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the project be advanced to Level III status in the New Development program with an appropriation of $408,700. The recommended financing plan includes a 67% grant with the sponsor being responsible for 33% of the project budget.

32. **PROJECT:** **Cook Road Well**
LEVEL: III
SPONSOR: Cook Road Water District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	68	2010	I	$1,290,000*	2015

* 67% grant, 33% loan

PROJECT INFORMATION:
The Cook Road Water District is located approximately 5 miles southwest of Gillette and north of Interstate-90. The estimated 336 people living in the District are supplied with groundwater from one deep Paleocene Fort Union Formation well. The system has one 490,000 gallon storage tank.

The purpose of the project is to replace the existing and sole Fort Union Formation well (Phase I). The existing supply well produces large quantities of natural gas and pumps sand resulting in more than $110,000 in well repairs during the past few years. The water production from the existing well has declined and has caused numerous periods of water restrictions due to low or no water available from the well. The project also includes connecting the well to the district's existing water supply system (Phase II).

The District recently completed drilling the Fort Union Formation well under Phase I and their consultant is currently completing design of Phase II pipeline. The District anticipates bidding the project in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

33. PROJECT: Cottonwood/Grass Creek Storage

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

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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

34. PROJECT: Cottonwood Lake Storage 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 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

35. **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*	2013

*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. The project was bid and successfully awarded. The project is under construction and is anticipated to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

36. **PROJECT:** **Deaver Rehabilitation Projects**
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 replaces open ditches with pipe on laterals D56-1, 196F, and D56-64. The additional funds appropriated in 2011 are to replace 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, and the upper portion of D56-64. During the winter of 2011-2012 the sponsor is constructing the remainder of Lateral D56-64. This project should be completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

37. PROJECT: Douglas Box Elder Spring – Phase 1

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

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 in the community 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 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 an SRF loan 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

38. 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	68	2010	II	$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 in on the tank in 2011 and will be completed in by the summer of 2012. The design of the well upgrades is progressing and the construction will completed in 2012. The bid prices for the tank phase of the project exceeded the funding amount and the District requested additional funds from the Sponsor Inflation Account. The District was granted an additional amount of $27,000 grant and loan to aid in the completion of the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

39. PROJECT: Eden Valley Rehabilitation Projects

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

*50% grant

PROJECT INFORMATION:
In 2005, the Eden Valley Irrigation and Drainage District secured WWDC and Bureau of Reclamation Salinity Control funding to convert three laterals within their district from open ditch to pipe. This represented the first phase of an overall project to reduce the salt load to the Colorado River Basin by close to 6,600 tons per year through the reduction of lateral seepage which is estimated to be as high as 50%. Construction of Phase 1 commenced in the fall of 2007 and was completed in the spring of 2010.

A Phase II project was 100% funded in 2009 - 2010 using an American Recovery and Reinvestment Act (Federal Stimulus) grant to replace open ditch lateral M-1 with HDPE pipe.

During the summer 2008, Eden Valley Irrigation and Drainage District secured additional funding (Phase III) from the Bureau of Reclamation (BuRec) Basin Wide Salinity Control Program, in the amount of $6,580,000, to replace four existing earth lined laterals with approximately 95,000 lineal feet of pipe ranging in size from 6" to 60". The project includes 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. The BuRec funding is a 50% grant matched by WWDC funding that was approved by the 2009 Legislature. A consulting engineer was hired in 2009 to perform design, bidding and construction management of Phase III lateral work with construction to follow 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) is under contract and scheduled to be completed in November 2012. Currently, with the recent 25% increase in HDPE and PVC pipe resins the construction of the lower half of the West Side Lateral is not feasible due to budget restraints. Construction would be considered should resin prices decline or upon the availability of additional BuRec and WWDC funding.

In 2011 EVIDD secured additional WWDC funding ($1,713,000) to provide a 50% match to additional BuRec funding $1,713,000 for Phase IV. This project involves the lining of approximately 6,680 lineal feet of the Eden canal with 30 mil EPDM (ethylene propylene diene monomer) synthetic rubber liner covered with 5-inch 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 12" – 32" HDPE pipe. Bidding and award of a construction contract for Phase IV was accomplished in late 2011 and is projected to be completed in the fall 2012.

RECOMMENDED LEGISLATIVE ACTION;
No legislative action is required.

40. **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 (both in 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. Therefore, the project has not progressed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required. However, if progress is not made in 2012, the WWDC may need to revert the funds until the Northern Arapaho Utilities is successful in securing its share of the funding.

41. **PROJECT:** **Farson Master Plan**
LEVEL: I
SPONSOR: Farson Community
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Farson community is currently forming a legal entity that will be eligible to secure WWDC Level III construction funding. The community has requested an analysis of the existing water supply system and future projections for water needs in the area, including the small community of Eden Valley.

The system mapping is out of date and there are several potential new water users in the area. The current supply is a groundwater pumped pressure system with a captive air pressure tank. There is no chlorination. The age and condition of the system and the yield of the wells are unknown. As part of the master plan, the Consultant is inventorying the system, identifying current and future needs, providing recommendations for upgrading the system, and will make recommendations on appropriate water rates. The project is currently ongoing.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

42. PROJECT: Farview Water Supply

LEVEL: III
SPONSOR: Farview Water District
LOCATION: Fremont County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	33	2007	I	$375,000	2010
Level III	68	2010	I	$100,000*	2015

*67% grant, 33% loan

PROJECT INFORMATION:
The Farview Water District is approximately 8 miles north of Riverton on the Burma Road. The District serves the Knight Subdivision, platted in 1976. The existing supply system was constructed utilizing a State Lands & Investments Grant in 1986. The system is presently served by two wells, with a combined actual production of approximately 25 gallons per minute, and a 20,000 gallon storage tank. The wells produce poor quality water with concentrations of total dissolved solids, sodium and sulfates exceeding EPA secondary drinking water standards. The District chlorinates the water to control bacteria levels.

In 2009, a new water supply well was drilled and tested under the Level II study. With the success of the new well, the District pursued a Level III appropriation to connect the Level II well to the water supply system. In 2010, the District received a New Development Level III project with an appropriation of $100,000 (67% grant and 33% loan). The well drilled during the Level II will be sold to the District, and this amount will be added to the District's loan.

The District's engineer completed the design of project and secured all necessary easements for the project in 2011. The project was bid and successfully awarded. The project construction is complete and the project is anticipated to be finalized in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

43. 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

* 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 move forward with the project due to financial concerns. In 2002, the sponsor requested rehabilitating a smaller portion of the conveyance system and 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 funding inadequate. The sponsor requested and received additional WWDC funds to cover inflationary costs and money to make repairs to their headgate during the 2006 Legislative Session.

In 2006, the district 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. An attorney worked with the district to procure the easements and resolve ongoing litigation throughout 2007 and 2008. These matters were satisfactorily resolved in 2009. A portion of the project scope, a 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 regrading 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 2011 the District requested additional WWDC funding in the amount of $180,000 to complete the remaining scope of work on the Middle Diversion canal and canal erosion.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated at Level III status into the Rehabilitation Program with an appropriation of $180,000. The financing plan includes a 67% grant and 33% loan with an interest rate of 4% and a term of 20 years.

44. PROJECT: Fort Laramie Storage Tank

LEVEL: Level II
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

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 will be phased with Phase I of the project to include the design, permitting and land acquisition for the project. Upon completion of Phase I, Phase II funding for construction will be requested in a future session. The total Phase I and II budget is $1,230,000.

RECOMMENDED LEGISLATIVE ACTION:
It is recommended that the project be incorporated into the New Development Program at Level III-Phase I status with an appropriation of $53,600. 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 Town.

45. **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 addresses rehabilitating the pipeline mortar lining and completing the joint bonding not completed under Phase I. Phase II also consists of installing manways to provide access into the pipeline. Phase II was completed last summer.

Phase III of the project involves designing and constructing cathodic deep anode beds to provide cathodic protection to the pipeline. The City is currently negotiating with the Phase II engineering consultant to design Phase III and perform project construction administration services. The City anticipates that construction of Phase III will be completed sometime in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

Session	Chapter	Account	Appropriation	
2009	103	Budget Reserve	$11,222,500	67% grant
		Permanent Trust	$ 5,527,500	33% loan
			$16,750,000	
2010	115	WDA III	$16,415,000	67% grant
		Permanent Trust	$ 8,085,000	33% loan
			$24,500,000	
2011	61	General Fund	$ 6,960,430	
		AML	$25,402,070	
		Subtotal	$32,362,500	67% grant
		Permanent Trust	$15,939,739	33% loan
			$48,302,239	
Total			$89,552,239	

PROJECT INFORMATION:
The major components of the Gillette Madison Water Supply consist of the following:
1. 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 first of two Madison formation test wells. The first segment of transmission pipeline, approximately 15-miles, is scheduled to be bid in early 2012. Contract documents for the pump station, storage tank, disinfection facility and blending pipeline are nearly complete with design of the remaining water transmission pipeline and 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 estimate that it will cost $50 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.

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. As per W.S. 99-3-1405, Governor Mead has recommended that the 2012 Legislature provide the following funding for the project:

General Fund	$ 6,975,000
AML Funds	$23,025,000
Total Grant (67%)	$30,000,000
PMT Loan (33%)	$14,776,119
Total 2012 Request	$44,776,119

Additional funding for the project will also be requested in the 2013 and 2014 Legislative Sessions in order to provide the total project budget of $217,600,000. The City is phasing the project to accommodate available funding.

47. PROJECT: Gillette Regional Connections

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

PROJECT INFORMATION:
EXISTING LEGISLATION:

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

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

1. The Gillette Madison Pipeline Project serves as the 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 request proposes to complete feasibility studies for the following water districts interested in acquiring water from the Gillette Regional Water Supply Project. These studies will identify improvements needed by each district to connect to the regional water system.

1. Antelope Valley is requesting a review of their existing system and its deficiencies. They have 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 have expressed an interest in connecting to the regional system for their supplemental water needs.

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 is requesting zone testing of their well for radionuclides. Additionally they would like to evaluate their system for a connection to the Gillette Regional Pipeline.

3. Freedom Hills has requested a Master Plan to evaluate their existing system, identify its deficiencies, and prepare a long range plan for system improvements. Freedom Hills has 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.

4. Peoples ISD would like to connect to the Gillette Regional Water System for a back up water supply. More information is needed on their existing system and the cost to connect.

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 back up supply in case their current well fails. To facilitate the request more information is needed on the condition of the system, the type of connection required, and the costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level II status with an appropriation of $500,000.

48. PROJECT: Gillette Regional Extensions

LEVEL: I
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

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.

Ultimately, twenty-three (23) extensions may be required at a total cost of $50M. 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. This request of Level III funding is to construct three (3) extensions to serve eight (8) rural water districts.

The project will be phased with Phase I of the project to include the design, permitting and land acquisition for the project. Upon completion of Phase I, Phase II funding for construction will be requested in a future session. The total Phase I and II budget is $11,100,000.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the project be advanced to Level III status in the New Development Program with an appropriation of $703,500 for Phase I of the project which includes design, permitting, and land acquisition. The financing plan includes a 67% grant with the remaining 33% of the budget to be provided by the City of Gillette.

49. PROJECT: Gooseberry Rehabilitation

LEVEL: III
SPONSOR: Gooseberry Creek Irrigation District
LOCATION: Washakie County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	75	2005	I	$75,000	2006
Level II	99	2006	II	$100,000	2008
Level III	75	2008	II	$1,190,000*	2013
Level III	68	2010	II	$70,000**	2013

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

PROJECT INFORMATION:
The Gooseberry Creek Irrigation District was formed in 1984, serves approximately 8,000 acres. In 1984, the Level II Feasibility Study Gooseberry Creek Water Development Project was completed. This study recommended the construction of a reservoir in the Gooseberry Creek drainage, but the project did not advance to construction as subsequent investigations identified geotechnical issues at the dam site and the costs exceeded the sponsor's ability to pay.

In 2005, the District requested a Level II study to determine the feasibility of rehabilitation options. The Level II study was completed in 2007.

The District requested funding from the 2008 Legislature for rehabilitation of the existing system including work on the diversion structures and head gates. The design was completed in 2009, but landowner and right-of-way issues delayed the project. The issues were resolved and the project was bid in mid 2011. The bid prices exceeded the funding amount and the District requested additional funds from the Sponsor Inflation Account. The District was granted an additional $70,000 under the condition that the District provide the 33% match. Construction was started in the fall of 2011 and will be completed by spring irrigation in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

50. PROJECT: Goshen Rehabilitation Projects

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

*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 GID received a materials only grant of $1,200,000 to complete the Springer Main and Horse Creek lateral diversion rehabilitation. Construction was completed in 2010. The Table Mountain Lateral construction was completed in early 2011 and the Horse Creek lateral was completed in late 2011.

The District identified the remaining portion of the Table Mountain Lateral and Check Structure 45.1 as its next rehabilitation project. In 2011, the Goshen Irrigation District received Level III funding as a materials only grant for $1,100,000 for these projects. The projects have been designed, successfully bid and awarded. Construction is anticipated to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

51. PROJECT: Green River Decision Support System (DSS) Feasibility

LEVEL: Level I
SPONSOR: WWDC
LOCATION: Green River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2007	I	$250,000	2011

PROJECT INFORMATION:
The legislature initiated the Statewide Water Planning Process in 1999, with an appropriation to fund the Bear and Green River Basin Plans. Those plans were completed in 2001. In 2007, the legislature appropriated $600,000 for the completion of the update to the Green River Basin Plan, which will complete in the near future. Additionally, 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 (WRDS) to conduct a groundwater resources evaluation in the basin. Work on the groundwater evaluation began in June 2007 and was completed in 2009.

The Wyoming Water Development Office (WWDO) is continuing the planning process by conducting a feasibility study for the development of a decision support system (DSS) that includes recommendations for data collection and storage, modeling options, and cost estimates for the development of a DSS. The final report was completed in 2011, and provided a roadmap for the State in the development, management, and use of a DSS. With the leftover budget remaining in the contract the Consultant agreed to provide training on two of the models that were recommended for use in the DSS. One model estimates crop consumptive use, and the other is a water allocation model that can be used to model the current water supply and use in any basin as well as model hypothetical alternatives such as how future storage and changes in water use. While this study was focused on the Green River Basin, it is transferable to other basins.
The training will be complete late 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

52. PROJECT: Green River Supply Canal Rehabilitation

LEVEL: III
SPONSOR: Green River Irrigation District
LOCATION: Sublette County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$200,000	2004
Level II	34	2004	II	$ 40,000	2006

Level III	147	2005	II	$200,000*	2013
Level III	38	2009	II	$150,000*	2013

* 67% grant, 33% loan

PROJECT INFORMATION:
The Green River Canal has been in operation for many years and delivers water to irrigators with water rights that date back to the early 1900's. Water is delivered to 5,830 acres from Cottonwood Creek and the Green River. The canal suffers from delivery, conveyance, erosion, and seepage problems. The primary diversion is from the Poole Slough off of the Green River. The Green River Canal water is transported through Cottonwood Creek and it is believed that there are significant losses suffered through this stretch.

Research in the area of canal seepage indicates that polyacrilamide (PAM) added to irrigation water will cause suspended sediments to flocculate and settle to the bottom of the canal. This in turn may help seal the canal and prevent seepage. This technology has been used in water treatment for years to settle particulates from drinking water. A pilot study was funded by the 2004 legislature to examine application rates, monitor seepage rates, and report on application procedures. The PAM application proved to be successful in reduction of seepage but the degree of success was variable. The cost/benefit ratio was not favorable based on a one year study period. It is unknown if multiple year applications might be additive without further study. The final report for this seepage study is available in the WWDC office.

The district was awarded Level III funding in 2005 in the amount of $200,000 in the form of a 50/50 grant/loan with the loan terms being 6% interest for 20 years. The scope of the project funding included the resolution of several safety problems on diversion structures, under-drain replacements, repair of potential low bank washouts, and canal reshaping.

Before proceeding with these improvements, easements and right-of way needed to be obtained from the effected landowners. This resulted in delays to the project until the fall 2008 at which time the district obtained an attorney's title opinion clearing the way for construction of the improvements. Due to the delay, an increase in funding and an extension of the funding reversion date was requested from and approved by the 2009 Legislature. Engineering design was completed in July 2009 and construction of flumes on Poole Slough, North Cottonwood Creek and South Cottonwood Creek was accomplished in the fall 2010. Reshaping of the canal in the vicinity of the new flumes was completed in June 2011. The project will be closed out in January, 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

53. **PROJECT:** **Green River West Water Supply**

LEVEL: II
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	33	2008	I	$75,000	2010
Level II	66	2009	I	$350,000	2011
Level II	1	2011	I	$85,000	2013

PROJECT INFORMATION:
This Level II study is a culmination of the GR-RS-JPWB Master Plan and the James Town / Rio Vista Water Supply studies. The James Town / Rio Vista study identified the need for a new water supply and storage tank. The preferred alternative is to abandon the District's water treatment plant, obtain treated water from the GR-RS-SC JPWB, and build a new storage tank.

During the James Town / Rio Vista study, the City of Green River was investigating the possibility of expanding its water service area west of the James Town / Rio Vista district. In order to supply this area, Green River needs to build a transmission line that would be aligned right through the James Town / Rio Vista district. Therefore, it became prudent for the District and City to combine their efforts so that one transmission pipeline could be built that would serve both entities.

This study is investigating the combined demands of James Town/Rio Vista and the City of Green River to determine the transmission and storage needs. Demands and several alternatives have been developed and are currently being analyzed. The project is currently ongoing

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

54. **PROJECT:** **Greybull Valley Hydropower**
LEVEL: New Application
SPONSOR: Greybull Valley Irrigation District
LOCATION: Big Horn County
PROGRAM: New Development

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 will be to determine the feasibility and cost of placing hydropower generators on the Upper Sunshine and Greybull Valley (Roach Gulch) reservoirs. 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:
The WWDC recommends the project be incorporated into the New Development Program at Level II status with an appropriation of $85,000.

55. **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	2007	I	$476,000*	2012

* 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the appropriation be reduced from $476,000 to $150,000 or $326,000 and the reversion date be extended until 2014.

56. **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

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 is 75% of the total design/permitting since 25% of the proposed project is considered to be "treatment" and ineligible under the WWDC program.

For construction funding, the Sponsor is requesting 50.5 % grant funding. The matching 49.5% funding is to be procured from the Wyoming Drinking Water State Revolving Loan Program with 25% of that amount being "principal forgiveness".

Design and permitting has been initiated with the anticipated construction start in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Level III appropriation be increased from $900,000 to $8,282,000 or $7,382,000. The financing plan will remain a 50.5% grant to be used for design, permitting and construction. The sponsor is responsible for the remainder of the project costs.

57. 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

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 the early to mid 2000's, it became apparent that additional funding would be beneficial to assist municipalities and special districts address 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. The WWDC recommended and the legislature approved additional program funds of $1,000,000 and $500,000 in 2005 and 2008, respectively.

CURRENT SPONSOR + ACTIVE/OBLIGATED FUNDS
Town of Elk Mountain (Municipal well): $370,466.12

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending an appropriation of $800,000 from water development account I to extend the Groundwater Grant Program until 2014.

58. **PROJECT:** **Guernsey Master Plan**
LEVEL: New Application
SPONSOR: Town of Guernsey
LOCATION: Town of Guernsey, Platte County
PROGRAM: New Development

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 would provide the town with an assessment of its disinfection capability and a conceptual-level design that could be implemented into a Level III construction project that would assist the town in meeting its EPA compliance. Other aspects of this study would update portions of the town's previous master plan and hydraulics study that were completed in 1995 and 2003, respectively, in terms of water supply, system operation, and the development and prioritization of capital improvement projects. Additionally, this plan would provide the town with a rate study that would help the water supply system to become more self-supporting in terms of revenue and expenditures.

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

59. **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. Construction is underway and the project should be completed late spring, early summer of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

60. PROJECT: Hanna Master Plan

LEVEL: I
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

PROJECT DESCRIPTION:
The Town of Hanna requested a master plan including a leak detection analysis. The master plan will inventory the 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 study has found that the unaccounted water is not completely due to leaks but includes insufficient meter data. There are several meters that are not operational and need replaced. Also, an unknown percentage of the unaccounted water is being used on town-owned properties. Currently, the town does not have a repair/replacement or emergency fund but intends to set one up after the upgrades to their water treatment plant are finished. The Town is locating system appurtenances to aid the consultant's mapping and modeling of the system. The current and projected water use has been difficult to determine because of issues with meters and water use records. The Consultant is waiting for help from the Town with these issues. The study is currently ongoing.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

61. **PROJECT:** **Hawk Springs Master Plan**
LEVEL: New Application
SPONSOR: Horse Creek Conservation District
LOCATION: Goshen County
PROGRAM: Rehabilitation

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 community Hawk Springs to the Town of Yoder.

The proposed master plan will provide a prioritized list of improvements that would increase the efficiency in the use of storage water and reduce operation and maintenance costs. The District experiences water shortages in dry years.

The State of Wyoming, as a condition of the funding approved by the legislature in 1983, received a minimum pool in Hawk Springs Reservoir. The statute states: "The district shall grant to the department for the state, ownership of the storage in Hawk Springs Reservoir from elevation 4,446.9 feet to elevation 4,461.9 feet according to the 1982 United States soil conservation service survey, approximately one thousand seven hundred seventy-nine (1,779) acre feet of water;"

There is concern that silt has deposited above elevation 4,446.9 feet, thereby reducing the benefits of the minimum pool. The WGFD, through the WWDO, is interested in working with the district to secure a minimum of 1,779 acre feet. The proposed operations model will serve to assist the district in their irrigation operations and will be used to evaluate alternatives than could provide additional certainty for the minimum pool.

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

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	II	$ 100,000	2008
Level II	99	2006	II	$ 21,000	2008
Level III	75	2008	II	$1,574,500*	2013
Level III	68	2010	II	$1,180,000*	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 Heart Mountain Irrigation District to complete the rehabilitation projects identified in the 2007 Level II study. During the 2008 Legislative Session, the District requested and received funding to replace open ditches with pipelines, install a weed screen at the head of Ralston Lateral, and replace a

lateral headgate box structure. The sponsor has completed construction on laterals R15-2N, R15-6N, R26, R28, the weed screen near the Ralston Lateral headgate, and the H103 head box. Minor remedial measures will be constructed on the latter two components during the winter of 2011-2012, which will complete the Heart Mountain Rehabilitation Project funded in 2008.

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 and H55 and is constructing Lateral H79-5 and the two automation sites during the winter of 2011-2012. The two diversion structures remaining should be completed prior to the 2013 irrigation season.

The sponsor is currently requesting additional funds to replace two open ditches with pipelines and automate a check structure serving Ralston Lateral. The sponsor is requesting 100% grant funds to finance invoiced materials.

Funding from WWDC for all of these projects 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 each project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the 2010 Level III appropriation be increased from $1,180,000 to $1,665,000 or $485,000. The financing plan will remain a 100% grant to be used only for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs. It is also recommended that the reversion date for the appropriation be extended to 2017.

63. PROJECT: Highline Canal 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 II	7	2002	II	$50,000	2004
Level III	69	2003	II	$531,000	2008
Level III	75	2008	II	$808,050*	2012

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

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. As the project progressed, the design was completed, but the District experienced difficulties with obtaining the easements required for construction. The project was delayed as the District negotiated with the land owners for the easements. Negotiations failed so the District proceeded with condemnation proceedings. This further delayed construction. During this period of delays, construction and material costs escalated and construction cannot proceed within the existing budget.

Rather than requesting an additional grant and 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 cannot exceed $61,000.

This project was expected to be completed in 2009, but the sponsor has been having difficulty organizing construction activities. The Sponsor has recently received funding from the U.S. Bureau of Reclamation which will enable the project to proceed with construction.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the reversion date of the project appropriation be extended from 2012 to 2014 to allow for the completion of the project.

64. PROJECT: Hudson Water Supply

LEVEL: III
SPONSOR: Town of Hudson
LOCATION: Fremont County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	I	$575,000	2008
Level III	38	2009	I	$1,520,000*	2014

* 67% grant, 33% loan

PROJECT INFORMATION:
The Town of Hudson depends on ten shallow alluvial wells on the banks of the Little Popo Agie River and two 100,000 gallon storage tanks to serve 224 municipal taps. In July of 2006, the U.S. Environmental Protection Agency served an Administrative Order stipulating the Town must seek alternative means to provide safe drinking water since the wells tested positive for "Ground Water under the Direct Influence of Surface Water."

To provide an adequate supply, nine of the ten original wells will be replaced with new wells equipped with screens and a gravel pack (original wells were completed with slotted steel casing set into river deposits). Water will be conveyed via a collection system to a new water treatment plant that was funded from other sources. The 250,000 gallon storage tank will alleviate existing water supply problems and will provide water for future demands.

The Town of Hudson is forced into compliance by the EPA to "treat or else" because of its highly vulnerable alluvial well field. Together, the new well field and storage tank will complement the new water treatment plant, providing a vastly improved system that is capable of providing water that meets EPA drinking water standards. Construction was completed in 2011 and final payment and project closeout will be made in early 2012

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

65. **PROJECT:** **Indian Paintbrush Water Supply**

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

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 is seeking WWDC funds as a new applicant 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. A WWDC study would include 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. As it is likely that Phase I of the study will conclude that groundwater is the best alternative, there is funding in the budget to conduct a Phase II groundwater exploration program.

RECOMMENDED LEGILATIVE ACTION:
The WWDC recommends the supply system study be incorporated into the New Development Program at Level II status with an appropriation of $375,000.

66. **PROJECT:** **Jackson Storage Tanks**

LEVEL:	III
SPONSOR:	Town of Jackson
LOCATION:	Teton County
PROGRAM:	New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	68	2010	I	$4,000,000*	2015

* 67% grant, 33% loan

PROJECT INFORMATION:
In 2010, the Town of Jackson requested funding assistance to construct two new potable water storage tanks. The existing tanks were an 80,000 gallon steel tank and an 800,000 gallon concrete tank. The smaller 80,000 gallon tank was located on private property

adjacent to the Snow King Ski Resort and was replaced with a 130,000 gallon concrete storage tank on property purchased by the Town in close proximity to the existing tank. The larger 800,000 gallon storage tank is located on the National Elk Refuge just outside of the Town limits. Following demolition of this tank, a new 1,300,000 gallon concrete storage tank was constructed on the same site.

The existing 800,000 gallon concrete tank was nearly 50 years old and required a liner to be installed inside the tank to mitigate multiple leaks in the concrete walls approximately 15 years ago. The useful lifespan of this storage tank had been exceeded and it was necessary to replace it with a larger tank that was capable of providing water to all three pressure zones of the Town. Accordingly, it was sized to address increased growth within Jackson.

The existing 80,000 gallon above-ground steel storage tank had also exceeded its useful life and experienced significant internal corrosion and staining along with delaminating of the tank's roof. In addition the tank was poorly protected from falling trees and earth slides where it had been located. Because it was an above-ground steel tank, its storage level capacity was significantly decreased in the winter to control freezing and ice build-up. Relocating the tank to a nearby site allowed for a concrete tank to be covered on the hillside while allowing for increased capacity to more properly address needed peak and fire flows.

The 2010 Legislature appropriated a 67% grant and 33% loan in the amount of $4,000,000. Design and construction of both tanks were substantially completed in November 2011. Final completion of the tanks is scheduled for the spring of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

67. **PROJECT:** **James Town/Rio Vista Water Supply**

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

EXISTING LEGISLATION

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

PROJECT DESCRIPTION:
The 2008 Legislature appropriated $75,000 to complete a Level II study to review the existing water supply system including the intake structure, treatment facility, and storage tank. As part of the study, the District also requested an analysis of expanding their system so they could serve additional water users within their boundaries.

Out of several alternatives considered, the preferred alternative from this study recommends that James Town abandon their current intake structure and treatment plant, obtain treated water from the GR-RS-SC JPB, and build a new tank to facilitate the delivery of the treated water to the district. The district is very interested in moving forward with a Level III study; however, it has a sizeable debt to the State Lands and Investment Board. It has been recommended that the District deal with this debt and work with the GR-RS-SC JPB and City of Green River to build a project that would provide regional benefits. This study was completed this summer.

Please refer to Green River West Water Supply for additional information.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required. (See Green River West Water Supply)

68. PROJECT: Jeffrey City Water Supply

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

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. WWDC is conducting 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

69. PROJECT: Kemmerer/Diamondville Water Supply

LEVEL: II
SPONSOR: Kemmerer/ Diamondville JPB
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The 2008 Legislature appropriated $100,000 to complete a Level I Master Plan for the Kemmerer/Diamondville JPB. The Master Plan identified several deficiencies and necessary upgrades for further analysis, design, and cost estimates in a Level II study. The sponsor requested and received Level II funding for this study during the 2010 Legislature. The final report for the study is being written. Recommendations including new transmission and storage alternatives were identified for future Level III funding requests. The recommendations will provide system redundancy, upgrades to components, and new storage to improve fire protection and pressures.

The project is expected to be complete in early 2012. The sponsor is developing an approach to implementing the Level II recommendations, and plans to submit application for Level III funding the fall of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

70. **PROJECT:** **Keystone and Farmers Canal Master Plan**
LEVEL: Level I
SPONSOR: Keystone and Farmers Canal **C**ompanies
LOCATION: Park and Bighorn Counties
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	32	2010	II	$250,000	2011

PROJECT INFORMATION:
The Keystone canal company requested funding from the 2010 Legislature to determine the feasibility of combining 5 small canals into one larger canal with one new diversion structure. Currently, the five small ditches have no diversion structures. To divert water from the river, gravel banks are constructed to channel water into the canal. When river flows are high, the gravel banks wash out and the canal company has to hire a contractor to replace the gravel banks.

The Farmers Canal Company requested funding from the 2010 Legislature to investigate the potential for a re-regulating reservoir at the bottom of the system to better serve the territorial water rights at the lower end of the canal. The reservoir could help deliver water to the territorial rights while still allowing irrigators at the upper end to irrigate.

Farmers and Keystone Canal Companies are within the boundaries of the Greybull Valley Irrigation District. The operation of Greybull Valley Irrigation District is different than most other irrigation districts. They release water from their reservoirs into the river where the canal companies that called for water can divert it for their irrigation needs. Greybull Valley ID does not own any infrastructure beyond the reservoirs and associated reservoir supply canals, but their boundary extends down river, encompassing all the lands to which they supply water. This creates a problem for the canal companies, like Keystone and Farmers, because they can't form an irrigation district within the boundaries of an existing irrigation district. Greybull Valley Irrigation District is an eligible sponsor, however they don't own any of the infrastructure that would be rehabilitated as a part of a Level III project. Greybull Valley Irrigation District, the Keystone Canal group, and the Farmers Canal Company have all requested that this study investigate these issues and make recommendations that would enable the canal companies to be eligible for WWDC funding.

The draft report has been written and comments have been provided. The draft report presentation resulted in some changes to the proposed alternatives. The changes are being made to the final report with an anticipated completion date of January 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

71. **PROJECT:** **Kirby Rehabilitation 2011**
LEVEL: II
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 and the Kirby Ditch Company operate 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. Execution of legal documents for the project should occur early in 2012 pending resolution of system operation and loan security provisions. Design and construction of the project are anticipated in 2012 with project completion in 2013. WWDC funding will finance design, construction, construction engineering, and land rights as necessary to construct the project. The construction will be publically bid and built by a contractor.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

72. **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

*67% grant, 33% loan

PROJECT INFORMATION:
The Town of LaBarge is situated in the Green River drainage portion of Lincoln County and depends solely on alluvial ground water, fed by the Green River, as its water supply. Incorporated in 1973, the town has relatively modern supply system components. However, the intake gallery located in the sands and gravels of the Green River floodplain is in jeopardy. The U.S Environmental Protection Agency determined the town's shallow ground water supply as "Groundwater Under the Direct Influence of Surface Water,"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 began by approaching the issues by considering 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 planning of the Town's water system including system mapping, master meter testing, usage/demand/growth evaluation, 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 LaBarge would not meet the Town's minimal needs for quantity and quality. Subsequently, a shallow 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. No viable alluvial source was discovered in those efforts.

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. Design work began in December 2011 with an estimated schedule to complete construction of the intake in the early fall of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

73. **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	12	1988	II	$360,000	1990
Level II	7	2002	I	$ 60,000	2004
Level III	118	2004	II	$163,000	2010

PROJECT INFORMATION:
Lake Hattie is located 15 miles southwest of Laramie. Sediment carried by wind and wave action is deposited in the area of the lake's outlet which renders it inoperable. This problem increases as the level in the reservoir falls. The sediment that is carried through the outlet pipes is deposited in the canal below the dam. The sediment builds up and eventually plugs the outlet tubes. Divers have been hired in recent years to clear the sand with vacuums, but the outlets soon silt back in. In the late 1980's, the outlets were reconstructed with the emphases on the structure rather than the sedimentation problem. Pioneer Canal-Lake

Hattie Irrigation District requested a Level II study to examine the rehabilitation of the outlet works with the emphases on the sedimentation problem. This project required sediment transport analysis.

In 2003, WWC Engineers examined the dam and several options to mitigate the sediment problem. The district chose to request level III funding for the construction of an intake silo, which included the installation of slide gates as part of the outlet works. Funding for the intake silo was approved during the 2004 legislative session. The project was completed in the spring of 2006. Since that time, one of the two knife valves, installed circa 1908 that control releases from the reservoir, has failed.

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. The slide gates that were installed with funds appropriated during the 2004 legislative session are not meant to control flow (they are either open or closed). Flow control is needed for delivering the amount of water needed to serve District members. Construction of the project will enable the District to properly regulate releases from the Lake Hattie. Furthermore, Dam Safety personnel with the State Engineer's Office verbally requested that the District initiate repairs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $840,000. The proposed financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years.

74. **PROJECT:** **Lakeview Irrigation Master Plan**
LEVEL: New Application
SPONSOR: Lakeview Irrigation District
LOCATION: Park County
PROGRAM: Rehabilitation

PROJECT INFORMATION:
The district is located on the South Fork Shoshone River, 12 miles SW of Cody, upstream of Buffalo Bill Reservoir. The district does 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 need to be assessed in terms of their current alignment and ability to safely convey water.

Historically, the district has diligently performed numerous system repairs 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, this system inventory, assessment, and plan would prioritize needed improvements and help the district prepare for future construction and financing. Also, since the district is not currently utilizing a computer system, a GPS survey would be conducted so system mapping and records could be stored and accessed electronically. Moreover, during the last several years, an encroachment of subdivisions within the district's service area has posed liability concerns in terms of potential structure failure and subsequent flooding. This study would allow the district to take a proactive approach toward implementing rehabilitation or replacement of its existing features and help plan mitigation toward any potential liability concerns.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level II status with an appropriation of $250,000.

75. **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

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 will 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.

As of January 2012, the Level II feasibility study was in progress to construct a test well with different screened intervals into the Inyan Kara Group (Dakota) to provide water supply meeting drinking water standards. However, the first two test holes constructed near the District's State #1 Well also showed arsenic levels exceeding the MCL and were not acceptable for use. A third and final test borehole is being constructed to the north as an offset of the District's State #2 Well.

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

76. **PROJECT:** **Lander Water Supply**
LEVEL: Level I
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

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.

RECOMMENDED LEGISLATIVE ACTION:
It is recommended that the project be advanced to Level III status in the New Development Program with an appropriation of $3,068,000. This appropriation will serve as a 50% grant for construction costs, with the remaining 50% being provided as a loan (2½% interest) by the Wyoming State Drinking Water Revolving Fund.

77. PROJECT: Laramie County Archer Water Supply

LEVEL: III
SPONSOR: Laramie County Commissioners
LOCATION: Laramie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	99	2006	I	$438,114	2008
Level III	38	2009	I	$201,000*	2014

*67% grant

PROJECT INFORMATION:
The Laramie County Commissioners in cooperation with the Cheyenne Board of Public Utilities requested a water use study for an area extending approximately four miles east of Cheyenne which includes the Laramie County Archer Special Use District. This project had four parts to it: an area ground water analysis, a regional expansion of the Cheyenne Board of Public Utilities water system, a design and cost analysis of an Archer governmental complex water system, and a well drilling component.

Five test wells were drilled. One well was tested and plugged, two wells were completed as monitoring wells, and two wells were completed as production size test wells. The regional expansion portion of the project report, a pipeline from the Cheyenne Board of Public Utilities water system, was completed in 2008. The well drilling, area ground water analyses, and Archer County Complex water system infrastructure design and cost estimates were completed in 2007. From this data, the county applied for Level III funding to drill one additional production grade well, complete the wells, and construct the piping and storage infrastructure for the complex. The application was rejected pending the results of a county wide vote on a Capital Facilities Tax.

In 2008, the County Capital Facilities Tax passed and included funds for the Archer Special Use District. The Board of County Commissioners requested WWDC assistance to complete the water system. Due to the shortage of funds, the WWDO recommended only drilling a production well to complete the supply portion of the project.

In 2009, the sponsor received an appropriation of $201,000 or 67% of eligible project costs for a production well. The sponsor will provide the remaining 33% of funding from other sources and have purchased the four wells drilled during the Level II study for a price of 33% of the wells' actual costs.
The sponsor's engineer completed the design of the project and it was successfully bid and awarded in 2011. The drilling of a production well was completed in 2011. The project is anticipated to be finalized in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

78. 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 II I-I	75	2008	I	$ 880,000*	2013
Level III-II	38	2009	I	$ 6,850,000*	2014

* 67% grant, 33% loan

PROJECT INFORMATION:
The City of Laramie diverts water from the Laramie River, conveys it through the Pioneer Canal to Lake Sodergreen, and then to the city water treatment plant. Water loss from the canal accounts for approximately 30% of the city's 14.31 cfs surface water right from the Laramie River. The 2008 appropriation provided funding to design a pipeline from the Laramie River to the water treatment plant, 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 36-inch pipeline from Lake Sodergreen to the Laramie Water Treatment Plant. The city's application indicates that this segment of transmission pipeline experiences major breaks each year requiring the City to shut down water production at the plant to repair the pipeline.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Level III appropriation be increased from $6,850,000 to $10,850,000, an increase of $3,120,000. The financing will remain a 67% grant and 33% loan with an interest rate of 4% and a term of 30 years.

79. **PROJECT:** **LeClair Laterals Rehabilitation**
LEVEL: III
SPONSOR: LeClair Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:
The LeClair Irrigation District is rehabilitating a number of their laterals in an effort to continue their conservation program as outlined initially in the WWDC Level I Report: "Wind River Study: LeClair Canal and Riverton Valley (Wyoming No. 2 Canal Rehabilitation" March 1993. The study suggested piping of open-ditch laterals in a phased approach, allowing the District to implement improvements in a prioritized sequence. A subsequent 1994 Level III project began the process of installing the pipe with WWDC financing the cost of materials and the district providing the labor for installation.

A Level II engineering study was recently completed to update project costs from the 1993 study and to include seven additional laterals. This 2002 study recommended the installation of pipe in twelve open laterals. The 2003 Legislature authorized Level III funding for the lateral rehabilitation, providing for the reimbursement of project materials. The project was delayed due to difficulty in obtaining easements. The District requested and received a time extension to 2012 to allow for the completion of the project. The District bid the final phase of the project in mid 2011 and will have the project complete by spring of 2012

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

80. **PROJECT:** **Little Snake Canals**
LEVEL: II
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

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.

In 2010, some immediate rehabilitation needs were identified. 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. This study will be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

81. **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

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 is now requesting additional financial assistance to re-construct the last two of the four diversions.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the Level III appropriation be increased from $990,000 to $2,313,500 or $1,323,500. The financing plan will remain at 67% grant and 33% loan with an interest rate of 4% and a term of 20 years.

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

EXISTING LEGISLATION:

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

*67% grant

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

Funding for the Little Snake Canals Level II study was appropriated in 2010. In 2010, final design/construction drawings and cost estimates were completed for the State Line Canal measuring device, improvements to the First Mesa Ditch, and rehabilitation of the West Side flume. The canal study report will be completed in 2012. During 2011, the legislature approved construction funding and the implementing Agreement was signed for this construction project on May 13, 2011. The District reported that some repair materials have been delivered to the sites but actual repairs are pending as of the date of this report.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

83. 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 this year.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

84. 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 is expected in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

85. **PROJECT:** **Little Snake Supplemental Storage**
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	2011

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 10,000 acre feet and could provide 5,000 acre feet of water per year. The project work is currently underway and on schedule. The study is scheduled to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

86. **PROJECT:** **Lovell Canal Rehabilitation 2012**
LEVEL: New Application
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

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

PROJECT INFORMATION:
The Lovell Irrigation District received SLIB grants to replace an open segment of the Bench Lateral with pipe. This segment crosses under Wyoming Highway 310 and parallels it immediately outside the right-of-way. The sponsor received grant funds from WWDC to purchase materials. The sponsor funded the engineering, land rights, and permits, and contracted most of the labor, equipment and other resources necessary to construct the project. This project will be complete prior to the 2012 irrigation season.

This request is to place the uppermost portion of the Bench Lateral into pipe. As with the earlier project, the sponsor is requesting grant funds to finance 100% of invoiced materials. The sponsor will fund the engineering, land rights, and permits, and will contract most of the labor, equipment and other resources necessary to construct the project. This project is expected to be complete in 2013.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the additional work on the Bench Lateral be incorporated into the Rehabilitation Program at Level III status with an appropriation of $565,000. The financing plan includes a 100% grant for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

87. **PROJECT:** **Lovell Master Plan**
LEVEL: New Application
SPONSOR: Town of Lovell
LOCATION: Big Horn County
PROGRAM: New Development

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. The hydraulic model is now out of date and the upgrades need to be included in that modeling. There are problems with supply and pressure in the system that need to be investigated as well as analyses of the pumping and storage in the system. This project will be focused on updating the water previous master plan including the hydraulic modeling of the system and the investigations into the problems with the pressure zones, pumping, and storage.

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

88. **PROJECT:** **Lovell Transmission Pipeline**
LEVEL: New Application
SPONSOR: Town of Lovell
LOCATION: Big Horn County
PROGRAM: New Development

PROJECT INFORMATION:
Due to the deteriorating conditions 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 will be complete in early 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 and an anticipated construction date in 2013. 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. A recommendation is being made to provide grant funding of $67,000 for the WWDC eligible design and permitting costs with the remaining balance financed with a pending mineral royalty grant of $660,500. This would allow the Town to meet the WYDOT construction schedule and provide the Town with additional time to obtain the construction financing for the final phase.

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 $67,000. The appropriation provides a 67% grant for the design and permitting of WWDC eligible project components. The sponsor is responsible for the remaining Level III-Phase I project budget.

89. **PROJECT:** **Lower Nowood Rural 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	I	2011	I	$70,000.00	2012

PROJECT INFORMATION:
Most of the homeowners on the Lower Nowood Road, North of Ten Sleep, haul their drinking water. Water quality analyses on many 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 is being given to the potential for a regional supply option. The final report is expected in the summer of 2012.

RECOMMENDED LEGISLATIVE ACTION
No legislative action required at this time.

90. PROJECT: Lucerne Water Supply

LEVEL: II
SPONSOR: Lucerne Water & Sewer District
LOCATION: Hot Springs County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	32	2010	I	$150,000	2013

PROJECT INFORMATION:
The Bighorn Regional Joint Powers Board [BHRJPB] will finish construction in 2012 of a 10" pipeline from the Washakie County line (Winchester) to the Town of Kirby and the Lucerne Water & Sewer District. With completion, Kirby and the District will discontinue its use of water supplied since 1983 from the Town of Thermopolis and will begin use of water from the Big Horn Regional Project. This conversion will require changes in operation and maintenance and, perhaps, reconfiguration of some system components. The Level II Study is intended to provide a master plan for the District's future needs.

The study also explore**s** the feasibility of incorporation of rural users located on the east bank of the Big Horn River along Black Mountain Road (State HWY 172). This area was studied in a previous WWDC report (Hot Springs Rural – Worland Pipeline, Level II, 2004).

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

91. 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	$260,000	2012

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 is requested to determine if a replacement well can be constructed to a depth of approximately 1,300 feet 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.

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

92. **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

PROJECT INFORMATION:
Natrona County Conservation District requests a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. 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 2013.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $250,000.

93. **PROJECT:** **Middle Piney Reservoir**
LEVEL: II
SPONSOR: Middle Piney Watershed Improvement District (formation underway)
LOCATION: Sublette County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2006	III	$200,000	2009
Level II	66	2009	III	$500,000	2012

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 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 landslide.

The United States Forest Service (USFS) has owned the reservoir since 1998. 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 is planning on breaching the embankment to remove any liability, but has indicated they may be willing to pass ownership of the dam to another entity.

The purpose of the Level II 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 the reservoir from the USFS. The Level II study 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 emergency spillway.
4. Construct the intake in such a manner to prevent debris buildup and plugging.
5. Construct the emergency 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 production of additional 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.

Local irrigators have been presented with the findings of the study and are currently organizing to form a watershed improvement district. Additional funding was received following the 2009 legislative session to continue the study once the public entity is formed. In the interim, work is underway addressing permitting and ownership issues with the

USFS. If this proves favorable and the sponsor develops a legal entity, the work could include permitting and mitigation, surveying, stream gauging, drilling and final geotechnical design, final engineering design and specification preparation, legal fees, and acquisition of access and right of way.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

94. **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	2009	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 improvements to irrigation structures funded in 2009 have been partially completed. The construction of the remaining structures should be completed prior to the 2012 irrigation season. The replacement on the Pavillion Main E Lateral of a dilapidated concrete ditch with a buried pipeline authorized in the 2011 appropriation has been designed and should be completed prior to the 2013 irrigation season.

The district is requesting a material's only grant in 2012 to replace a concrete ditch with a buried pipeline on Wyoming 15.1 Lateral. The construction will be performed 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Midvale Rehabilitation 2012 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $945,000. The financing plan includes a 100% grant for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

95. **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 started in 2010. The project is expected to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

96. 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

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. Mr. 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 Mr. 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:
The WWDC is recommending that the study be incorporated into the New Development Program as a research project with an appropriation of $75,000.

97. **PROJECT:** **Northwest Rural Northern Expansion**
LEVEL: New Application
SPONSOR: Northwest Rural Water District
LOCATION: Park and Big Horn County
PROGRAM: New Development

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 organization 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 was concluded the entire NEWU water delivery and storage system needs to be replaced immediately to provide satisfactory service to the water users and not burden the sponsor with excessive maintenance and mis-matched pressure zones.

The sponsor is seeking financing from several funding agencies for replacement of the NEWU water system. Phasing the project will allow the sponsor to complete the design while seeking complimentary funding. The funding requested is 67% grant for design phase activities for those project components eligible for WWDC funding. An additional request for construction phase funding is anticipated in the future. The sponsor obtained matching design phase grant funds from the State Land Investment Board.

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 $281,400. The financing plan includes a 67% grant to be used for design, permitting, land acquisition, and related preliminary activities.

98. **PROJECT:** **Nowood River Storage**
LEVEL: II
SPONSOR: Nowood Citizens Advisory Group
LOCATION: Washakie County and Big Horn County
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	2012

PROJECT INFORMATION:

Citizens of the Big Horn Basin requested a Level I Reconnaissance/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 legislative session. The project 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.

The Nowood River Steering Committee requested a Level II Storage Feasibility Study in 2009 to further explore storage opportunities identified in the Nowood River Storage/Watershed Level I Study and to determine the best and most beneficial water storage system for the Nowood River Watershed area. The study, being conducted by Trihydro Corporation (Trihydro), is focusing primarily on hydrologic analysis, needs, and site investigations to determine the most viable storage locations. 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 study is scheduled for completion in early 2012. Thus far, results of the study have been positive and show that several storage sites may be feasible to construct.

The Nowood River Steering Committee requests a Level II, Phase II Storage Feasibility Study to further consider storage opportunities analyzed in the Nowood River Storage, Level II Study by Trihydro. The additional study will focus primarily on hydrologic analysis, site survey, geotechnical and environmental investigations and economics to further determine site feasibility.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends the project be advanced in the Dams and Reservoirs Program to Level II, Phase II status with an appropriation of $350,000.

99. 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 being constructed under the Thermopolis Storage Replacement and Rehabilitation Project. The transmission pipeline will split at Highway 120 (Meeteetse Highway) with one transmission line heading back towards Thermopolis to accommodate users at the Sage Valley subdivision and other users along the highway. The second transmission line will head toward Meeteetse, following the highway, and end**s** 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.

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 and a bank loan for the project. The District is currently seeking an SRF loan to replace the bridge loan. The District has secured the services of an engineer and has started the design of the project.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action required at this time.

100. PROJECT: Pathfinder Modification Project

LEVEL: III
SPONSOR: State of Wyoming/ United States
LOCATION: Natrona County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	105	2006	III	$8,500,000*	2012

* This appropriation was reserved for construction. Permitting, design, and other issues related to the project have been completed using authorizations and funding described in W.S. 99-1-103(d) (Deer Creek Project) and Chapter 83, 2002 Session Laws (Nebraska v. Wyoming settlement implementation).

PROJECT INFORMATION:

The purpose of the Pathfinder Modification Project is to recover approximately 54,000 acre-feet of space in Pathfinder Reservoir that has been lost to silt/sediment accumulation. This 54,000 acre-feet space has been divided into two separate accounts, an Environmental Account and the Wyoming Account. Water which accrues to the Environmental Account

(approximately 34,000 acre-feet) will be dedicated to the resolution of endangered species issues in the Platte River Basin, while water accruing in the Wyoming Account (20,000 acre-feet) will be used to benefit Wyoming. The space lost due to silt/sediment accumulation will be recovered by increasing the height of the existing emergency spillway by 2.39 feet.

Project permitting and the plans and specifications have been completed. The contract between the State of Wyoming and the United States for operation of the project has been finalized and construction bids have been solicited. The construction contract has been awarded and the project is currently under construction. The project will be completed by mid-January 2012.

The 2009 Legislature enacted W.S. 41-2-1301, which, in part, authorized the transfer of the water from the Wyoming Account in the Pathfinder Modification Project to the Wyoming-Nebraska state line for purposes of selling or leasing water, surplus to Wyoming's needs, to the Platte River Recovery Implementation Program through annual temporary water use agreements approved by the Wyoming State Engineer. W.S. 41-2-1301(f) directed any revenues from such transactions to the WWDC's Miscellaneous Debt Service Account.

The 2010 Legislature enacted W.S. 99-99-1001(a)(viii) and (k), which established the Pathfinder Modification Debt Service Account for the purpose of receiving revenues from the sale or lease of water from the Wyoming Account to assist in paying for the state's annual operation and maintenance costs.

For clarity, the legislature enacted W.S. 99-99-1001(k) to ensure that the funds will be deposited into the Pathfinder Modification Debt Service Account rather than the Miscellaneous Debt Service Account, as previously stipulated in W.S. 41-2-1301(f)**.**

The project was substantially completed in January, 2012. Water is presently accruing to the Environmental and Wyoming Storage Accounts. It is likely the accounts will fill this year.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

101. PROJECT: Pavillion Area Water Supply

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	Agency budget	-900 series	I	$148,500	2011
Level II	1	2011	I	$100,000	2011

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 2011 Level I study identified long-term solutions to the local water supply problems. The study

defined alternatives, developed cost estimates for each alternative, and evaluated the alternatives based on technical feasibility and cost. Public meetings to discuss the project were held at the Town of Pavillion in January and September 2011. The final report for the project was completed in October 2011. An extended Level I study will further develop financing alternatives and environmental issues.

The Level II appropriation obtained in 2011 will be used to develop conceptual designs and cost estimates for two water supply alternatives. The Level II study is scheduled to commence in 2012.

Additional public meetings will be held to discuss the results of the studies with water users in the area.

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

102. PROJECT: Pine Bluffs Deep Well 2009

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	8	1995	II	$84,576	
Level III	59	1996	II	$132,723	
Level III	96	2000	I	$1,185,639	
Level III		2003	I	$212,043	
Level II	34	2004	II	$405,770	
Level III	105	2006	I	$325,000	2010
Level III	90	2008	I	$110,240	2012
Level III	38	2009	I	$583,570*	2014

*67% grant

PROJECT INFORMATION:
The purpose of this Level III project is the drilling, completion, and testing of a new 800 foot deep (Lance/Fox Hills Formation) municipal production well and its incorporation into the existing municipal system. In 2003, a test hole was drilled adjacent to the proposed location and recently a municipal Lance/Fox Hills well has been successfully incorporated into the existing municipal system. In 2009, this project received a 67% grant for the design, permit procurement, project land procurement, construction engineering, and construction of the project.

The well for the project has been designed and constructed and achieved favorable results. The engineer completed the remaining design to tie in the well. The remaining portion of the project received favorable bids and was successfully awarded. The construction of the project is anticipated to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

103. 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 construction of the east transmission pipeline and design 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. Project completion is scheduled for August 2012.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

104. PROJECT: Platte River Basin Plan - Groundwater

LEVEL: 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	2011

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 rough draft for the Platte River Basin should be available for first draft review in the spring of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

105. PROJECT: Poison Spider Pipelines

LEVEL: II
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 (4%, 40 years)
**67% grant, 33% loan (4%, 30 years)

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 home owner. 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 has secured the services of an engineering firm and has initiated the design process.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

106. PROJECT: Probable Maximum Precipitation Study

SPONSOR: Wyoming Water Development Office/Wyoming State Engineer's Office
LOCATION: Statewide
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
Major cost components for construction of a new dam often include the construction of an outlet works and emergency spillway at those locations that are deemed to warrant a high or a significant hazard dam classification. 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 Hydrometeorlogical 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), which 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.

A new statewide study would divide the state into different zones where local terrain would be taken into consideration. The reduced precipitation at higher altitudes is an example of terrain effects.

The envisioned scope of work entails: the compilation of extreme precipitation events on which the PMP analysis would be based and the development of a state and basin-specific precipitation analysis tool, which would be used to provide isohyetal maps for various

return periods and various durations and sizes of storms. For acceptance of the results, the study would be peer reviewed. The peer reviewers should 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 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.

The Project is underway and should be completed by June 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

107. PROJECT: Rafter J Rehabilitation

LEVEL: III
SPONSOR: Rafter J Improvement and Service District and Teton County
LOCATION: Teton County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	46	1997	II	$ 60,000	1998
Level III	69	2003	II	$ 510,000*	2010
Level III	147	2005	II	$ 41,500*	2010
Level III	105	2006	II	$ 100,500**	2012
Level III	121	2007	II	$ 500,000**	2012

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

PROJECT INFORMATION:
The Rafter J Improvement and Service District has a population of approximately 2,500 people. The community has a water supply system supplied by two wells and a 200,000 gallon storage tank. The system serves 500 homes and 25 commercial taps. The system was originally designed to include three wells and an additional tank. The original system was found to be inadequate and unable to meet demands during the summer. The district requested funding to drill another well and provide additional storage.

The community formed their district in 1998, and a Level II evaluation was completed. The original Level III funding request was approved in 2003. The sponsor was successful in securing matching funds from Teton County. In order to complete the project, additional WWDC funds were approved in 2005 in the amount of $41,500. Unfortunately, complications resulted in the loss of the new well and an additional $100,500 of WWDC funding was needed and approved in 2006 to drill a replacement well and complete the project.

The rapid rise in construction and material costs during 2005 and 2006 resulted in a shortage of available funds for the construction of the storage tank. In August 2006 cost estimates for the storage tank increased by $500,000. The sponsor requested and received a

supplemental appropriation of $500,000 from the 2007 Legislature to fund the increased storage tank costs. Construction of the 200,000 gallon concrete storage tank was completed in the fall 2009.

The replacement well was drilled in December 2007. Additional well development by drilling to a deeper depth was completed in September 2008 with limited success as the total dissolved solids (TDS) at the deeper depth were deemed higher than desirable. In 2011 the District decided to again drill the well to a deeper level. While there was inadequate WWDC funding to perform this work, the District agreed to fund any shortfall with its own funding source. The additional well depth work resulted in water quality of an acceptable quality. Work to connect the well was completed in the fall of 2011. Project close out will be completed in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

108. 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 is presently under construction.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

109. PROJECT: Rawlins Operations Study

LEVEL: I
SPONSOR: Town of Rawlins
LOCATION: Carbon County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$150,000	2009
Level I	1	2011	I	$200,000	2014

PROJECT INFORMATION:
Rawlins Master Plan: The City of Rawlins has had two previous water supply studies completed in 1983 and 1997. A large portion of the system improvements outlined in these studies have been completed or are in the construction phase. The City is experiencing increased system demands from additional population associated with oil and gas activities in the area. The City is looking at alternatives for conserving water and replacing treated water with raw water so the current supply sources and treatment systems can better handle future demands. The recently completed Master Plan Study (which was funded in 2009) included an inventory of the existing system, identified needed improvements, evaluated existing and future water needs, and established a prioritized schedule for improvements. The Master Plan also evaluated the potential for reuse water to irrigate parks to reduce demands on the water treatment plant. The Master Plan was completed in 2010. The Atlantic Rim Reservoir and Pipeline were identified as priorities in the master plan.

Rawlins Operations Study: The legislature appropriated funds during the 2011 session to conduct a study to optimize the operation of the water system and the various sources of water in light of the recent settlement of Nebraska v Wyoming lawsuit and because of the initiation of the Platte River Recovery Implementation Program (PRRIP), which provides water for endangered species habitats in the basin. Individual elements of the study include:

1. Identify additional non-potable and Platte River non-hydrologically connected water supplies, which is significant from either a conservation or from PRRIP perspective since non-hydrologically connected water sources are considered non-native and thus have no connection with the recovery program.
2. Analyze the potential for installing a booster station along the Nugget Well Field water transmission pipeline to remove backpressure on the artesian wells, which would increase the yield of the Nugget formation wells (which are considered to be non-hydrologically connected).
3. Flow testing the Nugget Well field to better estimate long term yield.
4. Analyzing water quality analyses to identify the optimum blend of water from the Sage Creek Basin/Nugget Well Field with North Platte River water. Blending is required to avoid treatment and taste and odor issues due to water quality of the various supply sources.
5. Reservoir integration and management with regard to treatment/blending.
6. An analysis of the city's water rights.

The study is underway and will be completed prior to the above referenced due date.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

110. 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 is anticipated to start in the spring of 2012 with completion scheduled in September 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

111. PROJECT: Riverton Valley Rehabilitation 2009

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	38	2009	II	$79,000	2014

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

PROJECT INFORMATION:
The Riverton Valley Irrigation District (RVID) has completed previous lateral rehabilitation projects from 2002 and 2005 that were outlined in the Level II Master Plan and requested funding in 2009 to complete the final lateral rehabilitations recommended in the study. The requested funding was appropriated to purchase materials for piping of three laterals located within the district. The financing plan is a materials only grant with RVID responsible for all other project costs. These laterals are the Smith Road Lateral Extension, the Fairgrounds Lateral, and the Fairgrounds Lateral "A".

The RVID received bids for the materials and completed construction of a portion of the project. The district is having difficulties with the easements/right-of-way for the project and this has slowed progress. The design on the remaining project components is being completed and the project should be constructed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

112. 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 City of Riverton is completing the design process for Phase I (transmission pipeline) and construction should begin in early 2012. The design of phases II (tank and booster station) and III (valves and vaults) will be completed in 2012 and construction will begin in late 2012. The entire project should be completed by the summer of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

113. **PROJECT:** **Rolling Hills Water Supply**
LEVEL: I
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

PROJECT INFORMATION:
The 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 seeking 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the project be 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. Construction funding will be requested in a future session.

114. **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	II	$150,000	2012

PROJECT INFORMATION:
The Shell Canal Tunnel was built in the early 1900's and is constructed of concrete, but without the use of steel reinforcement. The 562 foot long tunnel carries 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 recent completion of the Shell Canal Tunnel Level II Feasibility Study. Visual and geotechnical inspections carried out during the Level II study

clearly indicate that the structure has outlived its useful design life and is in need of rehabilitation. Furthermore, the study analyzed rehabilitation alternatives and provided practical and constructible solutions.

Shell Valley Watershed Improvement District, with the support of the Shell Canal Company, requests Level III funding to carry out the rehabilitation of the Shell Canal Tunnel.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $1,220,000. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years.

115. 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	2012

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.

A Level II Storage Feasibility Study originated from the Shell Valley Watershed Level I Study. The Level II study has evaluated storage opportunities capable of providing additional irrigation water in areas not served by existing reservoirs. The study has focused primarily on hydrologic analysis, potential demands for storage water, and site investigations to determine the most viable storage locations. The study is scheduled for completion in early 2012. Thus far, results of the study have been positive and show that several storage sites may be feasible to construct.

The Shell Valley Watershed Improvement District requests a Level II, Phase II Storage Feasibility Study to further consider storage opportunities analyzed in the Shell Valley Storage, Level II Study by States West Water Resources Corporation. The additional study will focus primarily on hydrologic analysis, site survey, geotechnical and environmental investigations and economics to further determine site feasibility. WWDO, with the support of the Shell Valley Watershed Improvement District, proposes amending the States West Water Resources Corporation contract to carry out the work, thereby retaining project knowledge and continuity.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the Dams and Reservoirs Program to Level II, Phase II status with an appropriation of $350,000.

116. 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*	2012

*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.

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 project is currently under construction and is anticipated to completed in 2012

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the reversion date of the project appropriation be extended from 2012 to 2014 to allow for the completion of the project.

117. 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

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 Saw Mill Reservoir and 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 still 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 in, or purchasing water from, 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 a proposed Level II, Phase II study will include review of the structural integrity of Saw Mill and Park reservoirs. The City and SAWS have asked to advance the project to a Level II Phase II facility assessment of Park Reservoir and 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" at a minimum, will include a facility assessment for both Saw Mill and Park Reservoirs, permitting and environmental analyses needed to convert Saw Mill to municipal/rural domestic operations, transfer of water rights (Saw Mill Reservoir) and water right issues for acquiring Park Reservoir Shares for municipal, rural domestic purposes. The study will also address acquisition of a new Forest Service's Special Use Permit for Saw Mill Reservoir and issues surrounding construction of a new road (on the National Forest) needed to maintain the facility.

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 the strategy for purchasing shares (if deemed an appropriate municipal/rural domestic water supply source). The study will also include an economic analysis and estimate of fair market value for acquiring Park Reservoir shares and for purchase of Saw Mill Reservoir.

RECOMMENDED LEGISLATIVE ACTION:

The Wyoming Water Development Commission recommends appropriating $250,000 for a Level II, Phase II study to analyze issues associated with acquisition of Saw Mill Reservoir and with purchasing ownership shares from Park Reservoir.

118. PROJECT: Shoshone Municipal Pipeline-2009

LEVEL: III
SPONSOR: Shoshone Municipal Water Joint Powers Board
LOCATION: Park County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$2,428,800*	2014

*33% grant

PROJECT INFORMATION:

The Shoshone Municipal Water Joint Powers Board (SMWJPB) treats surface water from the Buffalo Bill Reservoir and delivers it to several participating entities. The pipeline conveying this water was completed in 1993 using WWDC funds.

When the Shoshone Municipal Pipeline project was constructed, the decision was made to place as much of the pipeline within the existing highway right-of-way as possible. This reduced costs as well as minimized the impact on adjacent land owners. The agreements with the Wyoming Department of Transportation (WYDOT) stipulate that the pipeline must be relocated if required for future highway improvements. Since WYDOT is planning to reconstruct a portion of Highway US ALT 14, and since this construction would damage the transmission pipeline, WYDOT has requested that the pipeline be relocated. However, WYDOT will provide 50% of the project costs.

In 2009, the SMWJPB received an appropriation of $2,428,800 to pay for one-third of the cost of the project. Design of the project began; however, there was some difficulty with obtaining easements along the originally proposed pipeline route. Therefore, the pipeline routing had to be changed. This resulted in delaying the start of construction from 2010 to 2011.

In 2011, the design of the project and acquisition of necessary project easements were completed. The project has been successfully bid, awarded and is currently under construction. The project is anticipated to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

119. PROJECT: Shoshone 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

*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. In 2011, the Shoshone Irrigation District requested funds to replace two concrete drop structures on the Garland Canal and to replace five ditch segments with about 27,710 feet of buried pipe. Financing from WWDC will be used to purchase materials and the sponsor will fund the engineering, land rights, and permits, and provide labor, equipment, and other resources necessary for construction of the project. Replacement of Laterals 6W and 20D with pipe and replacement of the Garland Canal Drop Structure #17 are being constructed during the winter of 2011-2012. Construction of the Shoshone Rehabilitation 2011 Project is anticipated to be completed in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

120. PROJECT: Sidon Rehabilitation

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	II	$295,000*	2014

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

PROJECT INFORMATION:
This project replaced about 4,200 feet of concrete lined ditch with pvc pipe. Historically, the ditch had not delivered adequate water. The pipeline includes several farm turnouts. Conversion to pipe has facilitated delivery to users along the pipeline, particularly those located at the end of the pipeline.

In 2008, the project was authorized with an appropriation of $405,000, as a 67% grant and 33% loan. In 2009, the funding was changed to an appropriation of $295,000, which is 100% grant for the purchase of materials with the sponsor funding the engineering, land rights, and permits, and providing labor, equipment, and other resources necessary for construction.

The pipeline and concrete inlet structure were completed prior to the 2010 irrigation season. The sponsor plans to add a screen structure at the inlet during the winter of 2011-2012. The project will be completed prior to the 2012 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

121. 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	2012

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	2012

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*	

Lombard Well*
Blue Forest Well*
Gasson Well #2*
Four Mile Gulch Well*
Bench Well*
Twelve Mile Sink Well*
Bad Land Well*
Emigrant 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*	Range Unit 38 Water Rocks Pipeline*
Cherokee Allotment Ground Water*	Double Tanks Pipeline*
Chant Water Well #1*	Blakely Big Draw*
Springfield Ranch-Laramie Plains*	Jones Bros. 2-B & #8 Reservoirs*
Butte Water Development*	Morrisey Pipeline Rehabilitation*
PH Livestock Fillmore Pasture*	Big Poddy Creek Pipeline*
Black Thunder Watershed Project*	MishurdaMtn.Ranch,Phase2 Pipeline*
Basin Allotment Project*	Struempf Ponds*
Dobie Ridge Project*	Lodgepole Water Project*
Muddy Creek Ox Bow Restoration*	Red Butte Water Project*
Chant Stock Ponds #7 & #8*	Muley Meadows Pipeline*
Bridger Pass #5 Stock Pond*	Little Jack Res., South Flat Top*
Coal Gulch Grade Control/Diversion*	Irvine Ranch Small Water Project*
Vineyard 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*
	Neiber Pipeline Project*
	Sun Land & Cattle Co. 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*
East Woody & NW Ireton Wells*
Frog Creek Well*
Gordon Well*
Hardesty Well*
Hills Well*
Iberlin Bobcat Well*
Iberlin Solar Well*
Lower Horse Section 35 Well*
M Creek Section 26 Well*
Neumiller Section 15 Well*
Neumiller Upper Meadow Portable Solar*
North M Creek*
Rock Well*
South M Creek*
Riehle Well*
Rochelle Hills Spring Development*
Rothleutner Solar Well*
West Railroad Well*
Whitt-Homestead Pipeline*
Government Reservoir Water Devel*
JJ Springs Water Development*
Mud Springs/Arch Cr Water Devel*
Downs Solar Pipeline*
East Pasture-South Pipeline*
Lona Solar*
Tracy Solar Systems*
2Coyote-East Pipeline*
2 Coyote Pipeline*
2 Coyote Storage*
West Horse Underground Pipeline*
Tracy Wells*
Rothleutner Stock Tanks*
Upper Antelope-Coal Bank Pipeline*

Following is a listing of projects approved in 2008:

Account I – New Development	Account II – Rehabilitation
Little Grass Creek Water Development*	
West Prospect, Otty, Urwin Pipeline*	

Following is a listing of projects approved in 2009:

Account I – New Development	Account II – Rehabilitation
Arkansas Creek Stockwater Pipeline*	Jesse Brown Ditch Diversion*
Dickie 21/Bear Cr./Urwin 21 Pipeline	Littlejohn Ditch Turnout
Grass Creek Divide	Sawmill Creek Headgate*
Horse Pasture Putney Flat Pipeline	
LU Farm Pivot Diversion	
North Prospect Pipeline*	
Pats Draw Pipeline	
Putney School Section Pipeline	
Ramul 21 Pipeline	
Reds Creek Pasture Pipeline*	
Spring Gulch Pipeline	
Wagonhound Spring Pipeline*	

Following is a listing of projects approved in 2010:

Account I – New Development	Account II – Rehabilitation
Coal Bank Pipeline	Bond #1 Well
Keyton Creek Spring Development*	Bond #2 Well
Lower Antelope North Pipeline	Enterprise Ditch Bifurcation*
Rock well Pipeline	Kirby Ditch Headgate
Lower Antelope South Pipeline	M Creek Pipeline
West Spring Gulch Pipeline	North M Creek 14-1 Well
West Dorr 1-1 Well Pipeline*	
Wohlford TB-6A Well	

Following is a listing of projects approved in 2011:

Account I – New Development	Account II – Rehabilitation
Pellatz North Well	Anita Ditch Pipeline
River Well	West Allotment Pipeline
TB 231	
Lower Frog Creek Well	
Henthorne Solar Project	
Jones Pond #2 Diversion Pipeline	
Jones Wildhorse Spring Pipeline	
MMR Lake Creek Spring Development	
MMR Rock Spring Development	
MMR Towers Spring Development	
Dam Teresa	
Airport Pipeline	
West Alkali Pipeline	
East Alkali Pipeline	
Mesa Well	

*Projects completed or expired as of 12/31/11

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the authorization for the Small Water Project Program be extended to July 1, 2014 and an additional $300,000 be appropriated to the New Development Account for Program.

122. PROJECT: Snake/ Salt River Basin – Groundwater Analysis

LEVEL: Level I
SPONSOR: WWDC
LOCATION: Snake/Salt River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	I	2011	I	250,000	2012

PROJECT INFORMATION:
Groundwater is an important resource in the Wyoming Snake/Salt River Basin. Surface water development in the basin may be limited 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. 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 in its beginning stages. The beginning stages of these projects mainly entail data collection. The data collection phase of this project will continue through the spring and into summer of 2012.

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

123. 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	$480,000	2016

PROJECT INFORMATION:
The South Circle Estates is a subdivision just outside 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 the 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. Several of the district members have pasture adjacent to their houses that they irrigate with their share of the well water. The district has a total of 20 domestic taps.

In 2008, the district requested a Level I study to analyze their system and determine what improvements are necessary. Water samples taken from the district's 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. The Level III project consists of constructing approximately 4,000 lineal foot transmission pipeline. The pipeline will serve only the domestic water supply demands of South Circle Estates.

In 2011, the Town of Ten Sleep received WWDC funding for the construction of a tank and transmission lines that will also serve the South Circle District. The Ten Sleep and South Circle projects will be designed separately. For additional information, please refer to the Ten Sleep Storage Tank Project.

Prior to executing the Project Agreement and initiating the project design, the District is negotiating a water purchase agreement with the Town of Ten Sleep.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

124. 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

* 67% grant, 33% loan

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. The existing water supply is provided to the district through a single pipeline connection that is several years old and runs under the railroad and I-80. The transmission pipeline on the south side of the railroad and I-80 crossing is ductile iron pipe that is old. The City reports that the pipeline experiences frequent breaks from external corrosion.

In 2010, the Wyoming Legislature appropriated $3.1M to the City of Laramie for the Laramie Southern Water Supply project. Subsequent to obtaining project funding from the WWDC, the City of Laramie approached RUS for grant and loan funding to replace WWDC's $1,023,000 loan. The City was successful in securing grant and loan funding from RUS.

Design began in 2011. The City submitted a funding application request to WWDC to cover the costs indicated by refined construction estimates and to change the financing plan to accommodate the RUS funding.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends that the Level III appropriation be reduced from $3,100,000 to $2,638,170 or $461,830 and the financial plan be revised from a 67% grant and 33% loan to a 65.14% grant.

125. 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 recently secured funding for the remaining 33% from other sources. The design engineer has been selected. Design will be completed in 2012 and construction should be completed in 2013.
RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

126. 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 II	43	1992	II	$250,000	1993
Level II	74	1993	II	$300,000	1994
Level III	105	2006	I	$177,550	2010*
Level II	32	2010	I	$175,000	2011

*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 leaves the district without an adequate source of water, which is requiring significant conservation efforts and the 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 study includes 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 an existing Teton County well located approximately 1.25 miles from the district, and the development of a well in the Snake River alluvium. The study is underway and will be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

127. 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*	2014

* 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 be used 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. Prater Canyon spring redevelopment is scheduled to be completed summer of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

128. 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 to enable the WWDC to conduct a feasibility study to determine the costs and methods of implementing a new water planning process. The study concluded that a plan for each of 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. (See Basin Planning – Environmental & Recreation Uses for details.) 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 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. (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 is working on a review and evaluation 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 should be completed in 2011. The staff planning team will also begin a review and evaluation of the Snake/Salt River Basin Plan in 2011 with a proposed completion date of late 2012.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is requesting $50,000 to develop a hydrology simulation model for the Wyoming Bear River Basin. The model will be developed in-house with the assistance of a consultant. Development of a simulation model will continue the basin planning process and begin development of a decision support system for water resource planning. (See the Bear River Hydrology Model for details)

129. 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

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 Selection Committee, made up of federal and state agency representatives, prioritizes these topics and issues a request for proposals to address these areas of concern. From these requests, proposals are selected based on peer-reviewed selection criteria. Projects are selected annually for funding, with Wyoming Water Development Commission funds being augmented with those from the United States Geological Survey (USGS) and the University of Wyoming. The USGS's annual appropriation is approximately $100,000. The 2011 research projects are listed below:

- Predicting the potential of contaminant leaching during aquifer injection and water recovery.
- Defining the signature of glaciogenic seeding of orographic clouds using cloud radar and lidar measurements with the UW King Air research aircraft.

- Developing GIS-based tools for estimating unstressed crop consumptive water use in Wyoming.
- Investigating procedures for treatment of high sulfate waters and the impacts on livestock production.
- Surveying Green and Bighorn basin lakes using subsurface radar, sediment core, and hydroclimatic analyses to evaluate the potential for extreme droughts.
- Investigating how the outbreak of bark beetles in the Rocky Mountain Region will impact water yields on short to long time scales.
- Determining the time frame over which the infiltration rate of unlined CBM ponds across the Powder River Basin reduces as compared to the total lifetime of the ponds.
- Researching instrumentation for improved precipitation measurement in wintertime.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that $400,000 be appropriated from Water Development Account I for the 2012 statewide water research projects.

130. PROJECT: Sublette Creek Reservoir

LEVEL: II
SPONSORS: 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

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 a

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, 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

131. PROJECT: Sundance Master Plan
LEVEL: New Application
SPONSOR: Town of Sundance
LOCATION: Crook County
PROGRAM: New Development

PROJECT INFORMATION:
The Town of Sundance obtains its water from four (4) wells in the Madison and Minnelusa formations capable of providing 1,000 gpm. The Town is requesting a master plan to identify ways to make its existing water supply system more efficient. The master plan will provide the Town with a prioritized list of needed improvements to meet existing and future water supply demands. The Town is also seeking Level III funding to relocate a water storage tank.

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

132. PROJECT: Sundance Storage Tank

LEVEL: New Application
SPONSOR: Town of Sundance
LOCATION: Crook County
PROGRAM: New Development

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. The present theories relative to the cause of the problem are under investigation. The Town wishes to relocate the tank as it is needed for the efficient operation of the water supply system. The estimated cost to relocate and connect the tank to the water supply system is $950,000.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level III status with an appropriation of $712,500. The Legislature's Select Water Committee recommended the financing plan which includes a 75% grant with the Town of Sundance responsible for the remaining 25% of the project budget.

133. PROJECT: Sweetwater River Watershed Study

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	123	2005	I	$300,000	2006
Level I	1	2011	I	$100,000	2014

PROJECT INFORMATION:
The Sweetwater River watershed is approximately 1.8 million acres with land ownership divided among federal (79%), private (13%), and state (8%). The watershed includes one

primary river system, the main stem of the Sweetwater River and its tributaries including Gold Creek, Willow Creek, Rock Creek, Granite Creek, Alkali Creek, Long Creek, Cottonwood Creek and Crooks Creek.

This watershed study will provide an inventory and description of the watershed to include basic hydrology and stream geomorphology. A mapped inventory and assessment, with cost estimates, of the various irrigation systems within the watershed will provide the tools necessary to create a rehabilitation plan which will allow for a systematic approach to replacing aging structures. Also, a rehabilitation plan for development of upland water opportunities benefitting wildlife and livestock is being developed.

This project was incorporated into the New Development Program at Level I status with an appropriation of $300,000 in 2005 with a condition that the sponsor and the WWDC agree upon a scope of service prior to proceeding with the study. In order to enhance the efficiency of the study, the thirteen sub-basins within the Sweetwater Watershed have been organized into five study areas. Intensive analysis has been conducted on four of the areas on behalf of a participating landowner community. By late fall of 2011, those study areas will have a completed rehabilitation plan. Due to the extent of the area involved and the robust level of landowner participation, the original appropriation budget will be expended at that time.

The sponsor, on behalf of the landowner community, identified a final and additional study area interested in having an intensive watershed evaluation conducted and a rehabilitation plan prepared. This rehabilitation plan, as with those prepared to date, will provide information from which the District can coordinate and facilitate implementation of management practices that address water distribution and irrigation infrastructure issues and opportunities.

At the completion of this final study area effort, all of the study area rehabilitation plans will be incorporated into a final master report for the entire Sweetwater River Watershed. This will present intensive analyses and evaluations of watershed functions and rehabilitation on approximately 80% of the Sweetwater River system. Due to the extensive participation response to this study, there was additional funding appropriated to complete this study. The entire Level I report is anticipated to be completed in2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

134. PROJECT: Ten Sleep Storage Tank

LEVEL: III
SPONSOR: Town of Ten Sleep
LOCATION: Washakie County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	7	2002	I	$75,000	2004
Level II	125	2003	I	$80,000	2004
Level III	63	2011	I	$1,540,000	2016

PROJECT INFORMATION:
This project consists of constructing a water storage tank and separate transmission pipelines to and from the storage tank to serve the Town of Ten Sleep. The Town receives its water supply from two flowing wells located in and adjacent to the town. Construction of the storage tank will allow the town to meet anticipated future peak demands and provide water to the South Circle Estates Water Supply project.

Prior to executing the Project Agreement and initiating the project design, the Town is negotiating a water purchase agreement with the South Circle District.

For additional information, please refer to the South Circle Estates Water Supply project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

135. PROJECT: Teton Village Water Supply

LEVEL: Level III
SPONSOR: Teton Village Water and Sewer District
LOCATION: Teton County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$2,447,500*	2014

* 25% grant, 25% loan

PROJECT INFORMATION:
The Teton Village water supply system is currently not in compliance with Wyoming Department of Environmental Quality storage capacity requirements with regard to maximum day demand and fire demand which is equivalent to approximately 700,000 gallons of storage. A total of 875,000 gallons would be required to meet maximum day and fire demands with total build out.

The 2009 Legislature appropriated $2,447, 500 as a 25% grant and 25% loan for the drilling of a new 1,000 gpm supply well, construction of a 1.0 MG storage tank, transmission lines, pressure reducing valves, chlorinator and control building. These improvements will result in the water supply system being in compliance with Wyoming Department of Environmental Quality requirements for maximum day demand and fire demand. The well was successfully drilled in December 2009. A Special Use Permit and Decision Memo were issued by the U.S. Forest Service (USFS) in March 2010 which would allow construction of the storage tank on USFS land that is leased by the Jackson Hole Mountain Resort. A construction easement was also obtained from the Resort during 2010.

In 2010, contract work was completed to install pumps, connect the wells into the Teton Village water system, install flow metering facilities and construct a control building to house pump controls, chlorination equipment and an emergency generator. This work was funded primarily using District funding, a mineral royalty grant and a loan from the Wyoming State Drinking Water Revolving Loan Program. In 2011 the District elected not to proceed with the construction of the proposed storage tank at this time, due to diminishing water use and peak demands in the District since the inception of the project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends a reduction of the 2009 New Development Program Level III funding appropriation to the amount of funding expended to date ($53,000), this will result in a reversion of $2,394,500. In addition, the legislated reversion date should be revised from July 1, 2014 to July 1, 2012. This will close out the project.

136. PROJECT: Thayne Storage

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	85	2007	I	$600,000	2008
Level II	32	2010	I	$85,000	2011

PROJECT INFORMATION:
According to the current DEQ rules and regulations, the Town of Thayne water system has a water shortage as calculated and discussed in the "Town of Thayne Water System Investigation and Evaluation" portion of the "Star Valley Regional Master Plan Level I Study". There is anticipation for significant growth in the area in the next few years. The study is investigating the amount of, and options for, additional storage and bottlenecks in the system such as pump station capacity. The increased water supply as a result of Thayne purchasing the water rights that belonged to the cheese factory has been evaluated and an interim report has been completed that recommends the Town replace their current pump station and build a new transmission line from the pump station to the existing storage. The Sponsor is seeking SLIB funding for the transmission and pipeline project. The study is now focused on storage needs and has been delayed due to new meters being put online. The new meter data is necessary for a more precise water use estimate which will affect the outcome of the storage analysis.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

137. PROJECT: Thermopolis Storage Replacement and Rehabilitation

LEVEL: III
SPONSOR: Town of Thermopolis
LOCATION: Hot Springs County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	II	$175,000	2006
Level III	105	2006	II	$519,250*	2012
Level III	75	2008	II	$1,804,910*	2012

*67% grant, 13.7% loan, 19.3% sponsor

PROJECT INFORMATION:
In 2005, WWDC funded the Thermopolis Storage and Raw Water Level II project. Several alternatives for storage location and size of storage were developed during the study. The study addressed alternatives for both current and future needs for the Town of Thermopolis. A recommendation was made on the preferred alternative to address the immediate existing needs of Thermopolis.

The Town of Thermopolis requested Level III funding to pursue the preferred alternative which was the salvage of the existing 250,000-gallon "Airport" tank for future storage projects, replacement of the "Airport" tank with a new 500,000-gallon tank, adding a new 20,000-gallon storage tank on Cedar Ridge, and the painting of the interior of the 250,000-gallon "Hot Springs State Park" tank.

Unanticipated problems surfaced relative to the removal and replacement of the "Airport" tank. First, negotiations with the adjacent landowner for the additional land necessary for the larger tank were not well received. The landowner's demands for sale/use of the property were unacceptable. Also, the geotechnical investigation of the site revealed poor soil conditions. Extensive structural modifications of the site would be necessary to support the storage tank. As a result, the Town proposed to expand the scope of this project. A new storage tank will be constructed at a new location and a new booster pump station will be constructed. Additional transmission pipelines will be necessary. The old storage tank will be demolished. The town obtained additional funding from the 2008 Legislature for the reconfigured project.

The engineer and the Town completed the design of the project and secured all necessary project easements. The project was successfully bid and awarded in 2011. Construction is underway and is anticipated to be completed in early 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

138. **PROJECT:** **Upper Green River Watershed Study**
LEVEL: I
SPONSORS: Sublette County Conservation District
LOCATION: Sublette/Lincoln/Teton County
PROGRAM: Dams and Reservoirs

PROJECT INFORMATION:
Sublette County Conservation District requests a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. 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 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.

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. In addition, an inventory of potential dam and reservoir projects will be developed and included in the final work product. The final report is expected in 2013.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the Dams and Reservoirs Program at Level I status with an appropriation of $300,000.

139. 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 Town recently hired an engineering consultant to design the project and provide construction administration services. The design of the project is underway. Construction should begin in the summer of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

140. PROJECT: Viva Naughton Enlargement

LEVEL: II
SPONSOR: Upper Green River Water Basin Joint Powers Board
LOCATION: Lincoln County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	75	2005	III	300,000	2007
Level II	85	2007	III	250,000	2009
Level II	66	2009	III	150,000	2010

PROJECT INFORMATION:

2001 investigations completed for the Green River Groundwater Recharge and Alternate Storage Study indicated enlarging Viva Naughton Reservoir is one of the more efficient water development projects in the state. The reservoir has an existing capacity of 42,393 acre-feet. PacifiCorp has filed a water right application for an additional 39,502 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. The permitted enlargement reserves 10,752 acre-feet for irrigation on the Hams Fork downstream of the dam.

The evaluation of existing agricultural uses shows a need for additional storage on the Hams Fork. The enlargement of Viva Naughton would provide a much needed source of late season water to all uses below the dam, including the Hams Fork Water Users Association, and the towns of Kemmerer and Diamondville. Both towns are interested in participating in the project.

The study authorized in 2002 (Level II Phase I) investigated potential options for additional water supplies on the Hams Fork. Three options were identified with conceptual level cost estimates all in the same range. The Phase I study did not provide required geotechnical information for the Dempsey Basin site or the required supply canal. As a result, in 2005, an appropriation of $300,000 was authorized to complete a Level II Phase II study to obtain the required geotechnical information and survey the wetlands for Dempsey Basin.

One major component of the work was to complete a geotechnical drilling program on the Dempsey Basin Reservoir site. Before the drilling could start, a Special Use Permit from BLM was required. The Dempsey – Hockaday Cutoff of the Oregon Trail runs through the Reservoir site. This trail is considered pristine in places within the basin. As a result it took longer than expected to acquire the Special Use Permit for Dempsey Basin. During this time, wetlands classifications, archeological investigations, refined hydrologic needs analyses, and surveying work was 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 June, 2007, the Temporary Use Permit for the project was issued by the United States Department of the Interior Bureau of Land Management. Geotechnical drilling at Dempsey Basin and Viva Naughton was completed and the results analyzed. An alternative storage site upstream of the Dempsey Basin site was identified that could potentially be more favorable in the aspect of land ownership, NEPA, SHPO, and embankment quantities.

Additional funding was authorized from the Dam and Reservoir Program by the 2009 Legislature to continue the Level II, Phase II study. The additional funds were to allow further exploration and drilling of the alternative storage site upstream of the Dempsey Basin site. The work was completed in 2009 and the data is being analyzed. The study will be completed in 2012.

The State of Wyoming has discussed partnership options with PacifiCorp, owner of Viva Naughton Dam and Reservoir, related to construction of a project that would be beneficial to the state, PacifiCorp, Kemmerer-Diamondville, and local irrigators. Participation by PacifiCorp is essential to the feasibility of the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

141. PROJECT: Wamsutter Well 2010

LEVEL: III
SPONSOR: Town of Wamsutter
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	33	2007	I	$800,000	2010
Level III	68	2010	I	$757,100*	2015

*67% Grant

PROJECT INFORMATION:
The Town of Wamsutter is located in the Great Divide Basin in extreme NE Sweetwater County on Interstate Highway 80. Recent resurgence of oil & gas development activities in the area has created an increase in population and attendant water demands.

The Level II study was formulated to include an evaluation of system demands, an exploration drilling program, and a feasibility study to determine system upgrades to eliminate future dependency on the former marginal water supply system.

A Level II test well was completed in the fall of 2009 and the feasibility/master plan study was completed in 2010. The 2010 Legislature appropriated a Level III funds to connect the well to the town's water supply system. The Town purchased the well for 33% of the drilling cost as authorized.

The Town and engineer completed the design and secured all necessary easements for the project. The project was successfully bid and awarded. The project is currently under construction and is anticipated to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

142. 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 (i) tank construction, and (ii) pipeline installation. Both components of the second phase have been successfully bid and awarded. Both stages are under construction and it is anticipated that both stages of the second phase will be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

143. 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

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 quarter 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. 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 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 high resolution precipitation gages, weather stations, radiometers, and ice nuclei counters. Also, instrumented weather balloons are being launched from Saratoga where project meteorologists and field technicians are stationed during the winter of 2011/12. Finally, a hydrologic analysis is being conducted to quantify potential streamflow changes resulting from weather modification activities. Still other additional coordinated "piggy-back" research efforts (externally funded ~ $1 million+) between scientists at the National Center for Atmospheric Research, National Science Foundation, 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 the winter operational seasons. 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 record snowfall amounts this past season in the target areas causing an early suspension to the randomized program. Roughly 80-90 more cases are needed to complete a statistically significant (i.e., confidence in the results) test of whether cloud seeding can increase precipitation by 10%. Given the experience in case selection and data collection, this implies that three more seasons are needed at the current rate of ~30 cases per season. Operations for the current 2011-12 winter season are already fully funded. Thus extending the pilot program for a <u>final</u> two years is required to provide an adequate number of "cases" to allow for an accurate and definitive quantification of seeding impacts.

<u>RECOMMENDED LEGISLATIVE ACTION</u>:
The WWDC recommends that $2,400,000 be appropriated from Water Development Account I for the final two-year extension of the program.

144. **<u>PROJECT</u>:** **Westside Irrigation NEPA Analysis**
LEVEL: I
SPONSOR: Westside Irrigation District (WID)
LOCATION: Big Horn and Washakie Counties
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	34	2004	I	$250,000	2006
Level I	75	2005	I	$1,200,000	2007

PROJECT INFORMATION:

The Westside Irrigation Project involves converting up to 16,500 acres of dry Federal land to privately-owned irrigated land and has been under consideration for several years with significant studies being conducted by both the U.S. Bureau of Reclamation and the Wyoming Water Development Commission. The project was placed on hold more than 10 years ago pending resolution of the Federal land transfer issue. The District received Congressional approval (U.S. Senate Bill S. 610) authorizing the Secretary of the Interior to transfer the land and sell the land to the District at such time as it was appraised and the requirements of the National Environmental Policy Act (NEPA) process had been completed.

The 2004 Wyoming State Legislature authorized $250,000 to complete the NEPA analysis requirements (cultural, soils, wildlife, vegetation, paleontology, etc.) as required for the land transfer. Through the initial scoping process, it was determined that an Environmental Impact Statement (EIS) would be required to complete the NEPA analysis. Substantial concerns were expressed with regards to aquatic habitat and diversions from the Bighorn River, as well as cultural and paleontological issues within the project boundaries. The later necessitated a Class III Cultural Resource Survey as part of the analyses of any lands to be transferred through the proposed action. Such field surveys were labor and cost intensive and mandated that the project timeline be extended.

The 2005 Wyoming State Legislature authorized $1,200,000 in additional funds to complete the Westside NEPA analysis. This included increased costs incurred by the consultants in the preparation of the Environmental Impact Statement (mandated Class III Cultural Resource Surveys were completed during the 2005 and 2006 field seasons). The fish protocol was finalized and fish sampling completed, the wetland and vegetation fieldwork conducted, the hydraulic engineering of the necessary pump stations and delivery systems conceptualized, and alternatives screening performed. The Westside NEPA analysis Draft Environmental Impact Statement document was completed December, 2007. Responses to the draft EIS comments were then completed, the cultural resources report was finalized, and the mitigation plan prepared.

The Westside Final Environmental Impact Statement was completed January, 2011. The document considered the environmental consequences of four alternatives: the legislated proposed action conveying the maximum acres authorized by law; an alternative under which only those lands suitable for irrigation and those needed for project infrastructure would be conveyed, approximately 11,576 acres; the preferred alternative (based on comments received on the Draft EIS), under which conveyed acreage would be reduced to 9,740 to avoid numerous cultural sites and to open a wildlife migration corridor; and the no action alternative.

The BLM Record of Decision issued April, 2011 was to convey the land to the Westside Irrigation District as described in the preferred alternative in the Final EIS, and in accordance with Public Law 106-485. The preferred alternative complied with this law as well as minimized the impacts on environmental resources. A purchase agreement has since been negotiated between WID and the BLM and is valid for a term of five years.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

145. 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 has secured the services of an engineer and will initiate the design process.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

146. 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

*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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Level III appropriation be increased from $210,000 to $1,620,000 or $1,410,000. The financing plan includes 67% grant and 33% loan with an interest rate of 4% and a term of 30 years. It is also recommended that the date that unexpended funds revert to the water development account be changed to July 1, 2017.

147. PROJECT: Willwood Rehabilitation Projects

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	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. The project should be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

148. PROJECT: Wind/Bighorn River Basin Plan Update

LEVEL: I
SPONSOR: WWDC
LOCATION: Wind/Bighorn River Basin
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$500,000	2010

PROJECT INFORMATION:
The surface water portion of the Wind/Bighorn River Plan update was completed in 2010. An agreement to complete the groundwater portion of the study 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 a groundwater resources evaluation in the basin.

The Wind/Bighorn Basin Groundwater Update is nearing completion. A draft of the report has been completed and has been through public review, agency review and peer review processes. Preparation of the final draft is underway and the product will be delivered early in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

149. 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 is set to begin in early winter. These projects should be completed by the spring 2012 irrigation season. The design of the Sub-Agency diversion, North Fork flume, Willow Creek diversion and Meadow Creek diversion has not been completed but are expected to be completed for construction bidding in mid 2012. The construction should be before the 2013 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

150. 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 Highway 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. The project is currently under construction and is expected to be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

151. **PROJECT:** **Wright Water Supply 2011**
LEVEL: Level II
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

*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.

This project has been refined to include the construction of the well house, pump and connection piping to the District's water system for the new RJ-7 well. In addition, the piping for the RJ-3 well will be re-configured and a SCADA system will be installed.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Level III appropriation be increased from $737,000 $1,809,000, an increase of $1,072,000. WWDC financing will remain a 67% grant only with the District responsible for the 33% match.

152. **PROJECT:** **Wright Well**
LEVEL: Level II
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

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 existing wells completed into the Paleocene Fort Union Formation.

In 2010, funding was provided for the construction of one new deep well into the Fort Union Formation. The sixth Fort Union Formation well (Well RJ-7) for the District was constructed to 3,005 feet deep and tested under this Level II study in 2011. A well completion and aquifer testing report is anticipated to be completed in early 2012.

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

153. 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, 4% for 20 years

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).

The Town has secured the services of an engineer and the project is currently being designed. It is anticipated that the project will go to bid in early 2012 with construction to follow.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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 Wel1
4 Arapahoe Water Supply
5. Beulah Water Supply
6. Big Horn Canal Rehabilitation
7. Big Horn Regional Groundwater
8. Big Valley & Crossed Arrows Improvement District Water Supply
9. Black Willow Water Supply
10. Boulter Lake Enlargement
11. Bridger Valley Level II Reservoir Project
12. Bridger Valley Water Supply
13. Buffalo Northwest Water Supply
14. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
15. Burns Water Supply
16. Canyon/Newcastle Area Water Supply
17. Casper Alcova Rehabilitation, GIS
18. CBM Aquifer Storage and Retrieval
19. Cheyenne Hydro Power
20. Cheyenne/Laramie County Water Service Area
21. Clear Creek Watershed Study
22. Clearmont CBM Impact
23. Cody Canal Irrigation District Hydropower
24. Cody Canal Rehab., GIS
25. Cody Master Plan
26. Cokeville Reservoir
27. Corner Mountain Test Well
28. Cottonwood/Grass Creek Watershed Management Plan
29. Crook County Reservoirs and Water Management
30. Crow Creek Groundwater Recharge
31. Crowheart Area/Dinwoody Canal System
32. Dayton Raw Water Irrigation
33 Deer Creek Dam and Reservoir
34. Dixon Water Supply
35. Douglas Ground Water
36. Douglas Master Plan
37. Dubois Regional Water Supply
38. Eight Mile-High Plains Well
39. Encampment/Sierra Madre Water Supply
40. Enterprise Conservation Program
41. Evansville Master Plan
42. Fort Laramie Water Supply
43. Frannie Raw Water
44. Frannie Well Rehabilitation
45. Gillette Regional Master Plan
46. Glenrock Master Plan

47. Goshen Irrigation District Master Plan 2006
48. Goshen Re-regulating Reservoir
49. Granger Water Supply
50. Green River Basin Plan-Groundwater
51. Green River Basin Plan-Update
52. Green River Groundwater Recharge and Alternate Storage
53. Green River-Rock Springs-Sweetwater County Master Plan
54. GR-RS-SC JPB Water Supplies
55. Greybull Raw Water
56. Greybull Valley Rehabilitation, GIS
57. Greybull Valley Sunshine Diversion
58. Greybull Wells Rehabilitation
59. Hawk Springs Water Supply
60. Heart Mountain ID Return Flow Study
61. Heart Mountain Rehabilitation
62. Hoback Junction Rural Regional Master Plan
63. Hoback Junction Water Supply
64. Hopkins Producers Irrigation District Reservoir Study
65. Hot Springs State Park, Big Springs Study
66. Hyattville Water Supply
67. Irrigation Hydro Power
68. Jons Drop Hydropower
69. Kaycee Well & Storage
70. Kemmerer-Diamondville Master Plan
71. Kennington Springs
72. Kirby Area Water Supply Study
73. Kirby Creek Watershed Study
74. Kirby Irrigation District Conservation Program
75. Kirby Municipal Master Plan
76. LaBarge Water Supply
77. Lance Creek Water Supply
78. Lander Master Plan
79. Lander Paleozoic Well
80. Laramie County Aquifer Study
81. Laramie Water Management Study
82. LeClair/Riverton Valley Irrigation Storage
83. Lodgepole Creek ASR
84. Lovell ID Hydro Power
85. Lucerne Water Supply
86. Lysite Water Supply
87. Manville Water Supply
88. Middle Fork Dam
89. Middle Fork Powder Watershed Management Plan
90. Midvale Conservation Program
91. North Canal-Grover
92. North Cheyenne Master Plan
93. Northeast Wyoming Interactive Database
94. Northern Arapaho Ground Water
95. Nowood River Watershed Study
96. Opal Regional Water Supply
97. Owl Creek Irrigation District Conservation Study
98. Owl Creek Irrigation Master Plan
99. Owl Creek Water Supply

100. Pine Bluffs Master Plan
101. Pinedale Hydro Power
102. Pinedale Master Plan
103. Pine Haven Master Plan
104. Pioneer Rehabilitation
105. Platte-Goshen Regional Master Plan
106. Poison Spider Pipelines
107. Popo Agie Watershed Management Plan
108. Powder River Water Supply
109. Powell Airport Water Supply
110. Rawlins Master Plan
111. Ray Lake Enlargement
112. Red Lane Master Plan
113. Rock Springs East Water Supply
114. Rolling Hills Master Plan
115. Saratoga Groundwater
116. SEO/Lusk Area Ground Water
117. Shell Canal Tunnel
118. Shell Valley Watershed Management Plan
119. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
120. Shoshone ID Rehabilitation, GIS
121. Smith's Fork Dam
122. South Circle Master Plan
123. South Garden Creek Water Supply
124. Star Valley Ranch Water Supply
125. Star Valley Regional Master Plan
126. State Stream Gage System
127. Sweetwater Water Supply
128. Tensleep/Hyattville Master Plan
129. Tensleep Water Supply
130. Thermopolis Storage and Raw Water
131. Three Horses Watershed Study
132. Thunder Basin Watershed Studies I and II
133. Upper Green River Westside Storage
134. Upper Wind River Storage
135. Wagner Cherokee Irrigation Rehabilitation
136. Wamsutter Well 2010
137. Washakie County Safety
138. Weather Modification – Salt River and Wyoming Ranges
139. Westside Irrigation NEPA
140. Wheatland ID Master Plan
141. Wheatland ID System Phase II
142. Wheatland Master Plan
143. Willwood ID Rehabilitation, GIS
144. Wind River/Big Horn River Basin Update
145. Wind River Glaciers
146. Worland Area Irrigated Lands GIS
147. Worland Eastside Transmission Line
148. Worland Wells Test
149. Wright Master Plan
150. Yoder Groundwater Project
151. York/South Side Ditch Master Plan

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: **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

10. 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

11. 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

12. PROJECT: Antelope Valley Water Supply

SPONSOR:	Antelope Valley Improvement & Service District
LOCATION:	Campbell County
PROGRAM:	New Development
APPROPRIATION:	$102,000
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

13. 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
14.	**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
15.	**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
16.	**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

17. **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

18. **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

19. **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

20. **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

21. **PROJECT:** **Bedford Water Tank**

SPONSOR:	Bedford Water & Sewer District
LOCATION:	Lincoln County

PROGRAM: New Development
APPROPRIATION: $835,000
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

22. 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

23. 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

24. 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

25. 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

26. PROEJECT: 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

27. 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

28. 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

29. 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

30. 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

31. 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

32. 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

33. 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

34. 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

35. 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

36. 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

37. 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

38. 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

39. 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

40. 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

41. 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

42. 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

43. PROJECT: Canyon Water Supply

SPONSOR:	Canyon Improvement & Service District
LOCATION:	Weston County
PROGRAM:	New Development
APPROPRIATION:	$1,457,600
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

44. 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

45. 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 Big Horn Redi-Mix, Greybull, Wyoming Central Contractors, Mills, Wyoming Casper Concrete, Casper, Wyoming

		Jerry's Irrigation, Powell, Wyoming Hedquist Construction, Casper, Wyoming 71 Construction, Casper, Wyoming
	YEAR COMPLETED:	1996
	SESSION LAW YEAR:	1985
46.	**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
47.	**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
48.	**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
49.	**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

50. 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

51. 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

52. 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

53. 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
54.	**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
55.	**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
56.	**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

57. **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

58. **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

59. **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

60. **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

61. **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

62. 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

63. 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

64. 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

65. 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
66.	**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
67.	**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
68.	**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

69. **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

70. **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

71. **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

72. **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

73. 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

74. 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

75. 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

76. 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
77.	**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
78.	**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
79.	**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
80.	**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

81. 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

82. 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. This project also included addition of a booster pumping station out 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 2002

83. 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

84. 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
85.	**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
86.	**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
87.	**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
88.	**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

89. 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 removal of two unserviceable tanks. 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, Wyoming.
YEAR COMPLETED: 2004
SESSION LAW YEAR: 1999, 2003

90. PROJECT: Downer Neighborhood Water Supply
SPONSOR: Downer Neighborhood Improvement and Service District
LOCATION: Sheridan County
PROGRAM: Rehabilitation
APPROPRIATION: $1,198,000
ACTUAL EXPENDITURES: $ 868,650.05
DESCRIPTION: Pipeline rehabilitation
ENGINEER: HKM Engineering, Sheridan, WY
CONTRACTOR: Hot Iron Construction, Gillette, WY
YEAR COMPLETED: 2003
SESSION LAW YEAR: 1999, 2001

91. 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

92. 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

93. 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

94. 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

95. 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

96. 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

97. 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

98. 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 raw water conveyance system. A portion of this ditch was enclosed in a pipeline previously. 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

99. 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

100. 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

101. 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

102. PROJECT: Etna Water Supply
SPONSOR: Etna Water and Sewer District
LOCATION: Lincoln County
PROGRAM: New Development
APPROPRIATION: $690,000
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

103. 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

104. 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

105. **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

106. **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

107. **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

108. **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

109. 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

110. 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

111. 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

112. 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

113. 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

114. 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

115. 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

116. 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

117. 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

118. 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

119. 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, Wyoming
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1995,1996

120. 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

121. PROJECT: Gillette Rehabilitation
LEVEL: III
PROGRAM: Rehabilitation
LOCATION: Campbell County
SPONSOR: City of Gillette
APPROPRIATION: $300,000
ACTUAL EXPENDITURES: $300,000

DESCRIPTION: Installation of new electrical distribution cable, new transformers, grounding system, new surge arresters, new switch gear, and new electrical controls.

ENGINEER: Cooper Power Systems; Pittsburgh, Pennsylvania, Consolidated Engineering & Material Testing; Gillette, Wyoming

CONTRACTOR: Automation & Electronics; Casper, Wyoming (Numerous suppliers)

YEAR COMPLETED: 2000
SESSION LAW YEAR; 1997

122. 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

123. 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

124. 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

125. 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

126. PROJECT: Glenrock Tank Rehabilitation
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development
APPROPRIATION: $ 1,236,835
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

127. 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

128. 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

129. 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

130. 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

131. 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
Northwest Pipe Fittings, Inc., Rapid City, S. Dakota
Smitty's Repair Service, Inc., Torrington, Wyoming
YEAR COMPLETED: 2009
SESSION LAW YEAR: 2000, 2004

132. 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

133. 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

134. PROJECT: Greybull Crossing and Tank Project
SPONSOR: Town of Greybull
LOCATION: Big Horn County
PROGRAM: New Construction
APPROPRIATION: $1,850,000
ACTUAL EXPENDITURES: $1,255,658.05
DESCRIPTION: Big Horn River pipeline crossing , and a transmission pipeline to a new water storage tank.
This project was constructed with the financial assistance and cooperation of BP Petroleum.
ENGINEER: Crank Companies, Inc., Diamondville, Wyoming
CONTRACTOR: LaMax Construction, Basin, Wyoming
YEAR COMPLETED: 2005
SESSION LAW YEAR: 2000

135. PROJECT: Greybull Highway 14 Crossing
SPONSOR: Town of Greybull
LOCATION: Big Horn County
PROGRAM: Rehabilitation
APPROPRIATION: $240,000
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

136. 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

137. 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

138. 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

139. 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

140. 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

141. 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

142. 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

143. 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

144. 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

145. 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

146. 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

147. 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

148. 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
MATERIALS:	J&E, Inc., Basin, Wyoming Waterworks Irrigation, Ralston, Wyoming
DATE COMPLETED:	2008
SESSION LAW DATE:	2004, 2006

149. 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

150. 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

151. 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

152. 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

153. 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

154. 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

155. 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

156. 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

157. 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

158. 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

159. 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

160. 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

161. **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

162. **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

163. **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

164. **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

165. PROJECT: **Kaycee Storage & Transmission**

SPONSOR:	Town of Kaycee
LOCATION:	Johnson County
PROGRAM:	New Development
APPROPRIATION:	$2,350,000
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

166. 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

167. 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

168. 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

169. 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

170. 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

171. 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

172. 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

173. 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

174. 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

175. 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

176. 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

177. 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

178. 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

179. 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

180. 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

181. 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

182. 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

183. 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

184. 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

185. 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

186. 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

187. 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

188. 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

189. 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

190. 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

191. 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

192. 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

193. 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

194. 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

195. 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

196. 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

197. 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

198. **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

199. **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

200. **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

201. **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

202. **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

203. 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

204. 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

205. 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

206. 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

207. 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

208. 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
Mountain Peak Controls, Inc., Brighton, Colorado
DATE COMPLETED: 2008
SESSION LAW DATE: 2005

209. 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
MATERIALS: Killebrew Irrigation, Inc., Lander, WY
YEAR COMPLETED: 2011
SESSION LAW YEAR: 2010

210. 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

211. 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

212. 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

213. 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

214. 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

215. 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 Water System Management, Gillette, Wyoming Mandros Painting, Inc., Rock Springs, Wyoming
Completion Date	June 2002
Session Law	1995-1998

216. 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

217. 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

218. 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

219. 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

220. 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

221. 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

222. 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

223. 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

224. 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

225. 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

226. 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

227. 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

228. 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

229. 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

230. 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

231. 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

232. 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

233. 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

234. PROJECT: **Pinedale Intake Project**

SPONSOR:	Town of Pinedale
LOCATION:	Sublette County
PROGRAM:	New Development
APPROPRIATION:	$193,000
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

235. 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

236. 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

237. 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

238. 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

239. 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

240. 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

241. 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

242. 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

243. 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

244. 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

245. PROJECT: Powell Transmission Pipeline Project
SPONSOR: City of Powell
LOCATION: Park County
PROGRAM: New Construction
APPROPRIATION: $1,689,070
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

246. 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

247. 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

248. 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

249. 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

250. 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

251. 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: Raw water system improvements – Western Municipal Construction, Billings Montana
Treated water transmission line – Three Sons Construction, Hanna, Wyoming
YEAR COMPLETED: 2003
SESSION LAW YEAR: 1998 and 2002

252. 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

253. PROJECT: **Riverton Raw Water Supply Rehabilitation Project**
SPONSOR: City of Riverton
LOCATION: Frement County
PROGRAM: Rehabilitation
APPROPRIATION: $1,086,500
ACTUAL EXPENDITURES: $ 64, 293.30 (City refunded this amount.)
DESCRIPTION: Project construction, including final design services, plans and specifications, for 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

254. 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

255. 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

256. PROJECT: Riverton Valley Pipeline Relocation
LEVEL: III
SPONSOR: Riverton Valley Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation
APPROPRIATION: $670,000
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

257. 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

258. 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
259.	**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
260.	**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
261.	**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
262.	**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
263.	**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
264.	**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
265.	**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

266. 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

267. 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

268. 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

269. 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

270. 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

271. 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

272. 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

273. 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

274. 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

275. 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

276. 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

277. 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

278. 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

279. 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

280. 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 Advanced American Diving, Oregon City, Oregon Elkhorn Construction, Powell, Wyoming Moltz Construction, Cody, Wyoming Williams Plumbing & Heating, Bozeman, Montana Excel Construction, Sheridan, Wyoming Big Horn Ready-Mix, Greybull, 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
281.	**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
282.	**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
283.	**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
284.	**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

285. 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

286. 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

287. 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

288. 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

289. 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

290. 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

291. 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

292. 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

293. 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

294. 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

295. 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

296. 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

297. **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

298. **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

299. **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

300. **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

301. **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

302. 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

303. 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

304. 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

305. 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

306. 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

307. PROJECT: Thirty Three Mile Water Supply
SPONSOR: Thirty Three Mile Road Improvement & Service District
LOCATION: Natrona County
PROGRAM: New Development
APPROPRIATION: $1,044,486
ACTUAL EXPENDITURES: $ 955,712.02
DESCRIPTION: Construction of a water transmission system for the District
ENGINEER: Civil Engineering Professionals, Inc., Casper, Wyoming
CONTRACTOR: Andreen Hunt Construction, Inc., Casper, Wyoming
YEAR COMPLETED: 2003
SESSION LAW YEAR: 2000

308. PROJECT: Torringon 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

309. 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

310. 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

311. 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

312. 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

313. 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

314. 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

315. 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

316. 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

317. 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
318.	**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
319.	**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
320.	**PROJECT:**	**Washakie Rural Water Supply Project**
	SPONSOR:	Washakie Rural Improvement and Service District
	LOCATION:	Washakie County
	PROGRAM:	New Construction
	APPROPRIATION:	$11,263,000
	ACTUAL EXPENDITURES:	$ 9,879,590.76
	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

321. 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

322. PROJECT: **Wheatland – Black Mountain Water Supply**

SPONSOR:	Town of Wheatland
LOCATION:	Platte County
PROGRAM:	New Development
APPROPRIATION:	$100,000
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

323. 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

324. 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

325. 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

326. 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

327. 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

328. 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

329. 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

330. 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

331. 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

332. 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

333. 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

334. 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

335. 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

336. 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