2011 LEGISLATIVE REPORT

PATHFINDER DAM SPILLWAY - 2010

WYOMING WATER DEVELOPMENT COMMISSION

2011 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 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-9,600 acre feet per year (under construction)
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 113 instream flow filings proposed by the Wyoming Game and Fish Department, 87 have been approved, and 8 have been adjudicated.

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 Water Development Commission to grant up to three million dollars to incorporated cities and towns. These funds were to be utilized for feasibility studies and exploration programs to evaluate the potential use of underground water for municipal purposes. Municipalities were eligible to receive up to $200,000 in state funds and were required to provide 10% of total project costs in local matching funds. In 1984, the legislature amended W.S. 41-2-119 to add an additional one million dollars to the account and to increase the required local match from 10% to 25%.

During the 2002 Session, the Wyoming Water Development Commission recommended and the legislature authorized the inclusion of water and sewer districts and service and improvement districts as eligible program participants. As of December 31, 2010, 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 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 have been received and will be reviewed by the Commission in March, 2011.

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 $890,000 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 $300,000 per year on non-project specific water related research.

5. UW Office of Water Programs-The WWDC provides $165,000 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 approximately $6,485,000 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 2011, $191,899,200 has been expended from Water Development Account No. I for these 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 2011, $14,559,500 has been expended from Water Development Account No. II to fund the operation of state government, special projects, and litigation.

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.

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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, 2010:

	Percentage (%) of Total Expenditures		
Sector	WD Account No. 1	WD Account No. 2	WD Account No. 3
Multi-purpose	11.9	5.7	42.9
Agriculture	12.1	39.6	43.6
Municipal	46.6	44.2	13.5
Special Districts	6.6	2.7	-
Legal	3.9	5.0	-
Non-Project	18.9	2.8	-

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 will be 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, 2011, there are projects with appropriations in excess of $187M in the construction phase of the Wyoming Water Development Program.

CHAPTER 2 - 2011 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. 2011 Funding Recommendations:

Wyoming Water Development Program
Summary-2011 Omnibus Water Bill-Planning

Level I Projects-New Development	Location	WDA I	WDA III
Farson Master Plan	Sweetwater	120,000	
Hanna Master Plan	Carbon	125,000	
Little Snake Watershed Study	Carbon	250,000	
Lower Nowood Rural Water Supply	Washakie	70,000	
Rawlins Operations Study	Carbon	200,000	
Snake/Salt Basin Groundwater	Teton	250,000	
Statewide Water Research	Statewide	300,000	
Sweetwater River Watershed Study	Fremont	100,000	
Subtotal		1,415,000	
Level II Projects-New Development	**Location**	**WDA I**	**WDA III**
Boulder Flats Water Supply	Fremont	275,000	
Burns Well	Laramie	350,000	
Cambria/Sweetwater Water Supply	Weston	125,000	
Green River West Water Supply	Sweetwater	85,000	
Jeffrey City Water Supply	Fremont	100,000	
Lance Creek Well	Niobrara	260,000	
Manville Well	Niobrara	450,000	
Pavillion Area Water Supply	Fremont	100,000	
Subtotal		1,745,000	
Level II Projects-Dams and Reservoirs	**Location**	**WDA I**	**WDA III**
Big Sandy Enlargement	Sweetwater		300,000
Clear Creek Storage	Johnson		250,000
Cottonwood/Grass Creek Storage	Hot Springs		130,000
Sublette Creek Reservoir	Lincoln		325,000
Probable Maximum Precipitation	Statewide		550,000
Subtotal			1,555,000
Total		3,160,000	1,555,000

Wyoming Water Development Program
Summary-2011 Omnibus Water Bill-Construction

Level III-New Development Program	Location	WDA I	WDA II	Terms
33 Mile Pump Station	Natrona	125,960		67g only
Central Wyoming Regional Zone II B	Natrona	1,959,750		67g only
Cheyenne Southern Pipeline	Laramie	14,029,800		67g only
Douglas Box Elder Spring-Phase I	Converse	1,487,400		67g only
GR/RS/SC Raw Water Reservoir-Phase I	Sweetwater	900,000		50.5/24.5/4/30
LaBarge Water Supply	Lincoln	370,000		67/33/4/20
Poison Spider Pipelines	Natrona	1,036,000		67/33/4/30
Reliance Water Supply	Sweetwater	1,742,000		67g only
South Circle Estates Water Supply	Washakie	480,000		67/33/4/30
Ten Sleep Storage Tank	Washakie	1,540,000		67/33/4/30
Wright Water Supply 2011-Phase I	Campbell	737,000		67g only
Yoder Water Supply	Goshen	180,000		67/33/4/20
Subtotal		24,587,910		
Level III-Rehabilitation Program	**Location**	**WDA I**	**WDA II**	**Terms**
Cody Canal Shute	Park		223,000	67/33/4/20
Cody Canal Drop Structure	Park		50,000	Materials
Eden Valley Rehabilitation 2011	Sweetwater		1,713,000	50g only
Goshen Rehabilitation 2011	Goshen		1,100,000	Materials
Kirby Rehabilitation 2011	Hot Springs		420,000	67/33/4/20
Little Snake Rehabilitation 2011	Carbon		154,100	67g only
Midvale Rehabilitation 2011	Fremont		450,000	Materials
Shoshone Rehabilitation 2011	Park		585,000	Materials
Wheatland Rehabilitation 2011	Platte		723,600	67g only
Willwood Dam Rehabilitation-Phase I	Park		210,000	67/33/4/30
Subtotal			5,628,700	
Amendments to Prior Projects	**Location**	**WDA I**	**WDA II**	**Terms**
Moorcroft Madison Well Water Supply	Crook			Time extension
Albin Pipelines and Well Rehabilitation	Laramie			Time extension
Wardwell Water Supply Improvements	Natrona			Time extension
Alpine Wells Rehabilitation	Lincoln			Time extension
Deaver Rehabilitation 2009	Big Horn		350,000	Materials
GVID Upper Sunshine Diversion	Big Horn		3,600,000	67/33/4/30
Rawlins Atlantic Rim Reservoir	Carbon		2,600,000	67/33/4/30
Willwood Rehabilitation 2010	Park		754,000	Materials
Debt Service Accounts-Modifications	Statewide			
Subtotal			7,304,000	
Totals		24,587,910	12,932,700	

III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2011 Legislative Session.

Water Development Account I
Preliminary Fiscal Projections as of 12/30/2010

Revenues	
General Fund	120,600,000
Governor's Diversion 7/1/09	(3,000,000)
Budget Reserve	70,000,000
Taxes	536,541,794
Interest	193,296,762
UST Repayment	2,500,000
Coal Bonus	4,840,305
Loans/Interest	80,512,917
Other	1,217,635
Total Revenues	1,006,509,413
Expenditures	
Transfer to Water Account III	(54,070,000)
Program Expenditures	(841,676,655)
Total Expenditures	(895,746,655)
Cash Balance 6/30/10	110,762,758
Outstanding Commitments 7/1/10	
Active Appropriations	(209,269,811)
Paid Appropriations	(80,501,246)
Total Commitments 7/1/10	(128,768,565)
Uncommitted Balance 7/1/10	(18,005,807)
FY11 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total - FY11 Anticipated Revenues	27,300,000
FY12 Anticipated Revenues	
Taxes	19,300,000
Interest	4,000,000
Other	4,000,000
Total - FY12 Anticipated Revenues	27,300,000
Subtotal Anticipated Revenues	54,600,000
Balance	36,594,193

Water Development Account II
Preliminary Fiscal Projections as of 12/30/2010

Revenues	
Taxes	130,904,654
Interest	42,137,950
Federal Mineral Royalty	5,000,000
Budget Reserve	12,000,000
Loans/Interest	36,497,633
Other	291,416
Total Revenues	226,831,653
Expenditures	
Total Expenditures	(186,583,795)
Cash Balance 6/30/10	40,247,858
Outstanding Commitments 7/1/10	
Active Appropriations	(54,015,825)
Paid Appropriations	(14,660,744)
Total Commitments 7/1/10	(39,355,081)
Uncommitted Balance 7/1/10	892,777
FY11 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total - FY011 Anticipated Revenues	6,100,000
FY12 Anticipated Revenues	
Taxes	3,300,000
Interest	1,100,000
Other	1,700,000
Total - FY12 Anticipated Revenues	6,100,000
Subtotal Revenues	12,200,000
Balance	13,092,777

Water Development Account III
Preliminary Fiscal Projections as of 12/30/2010

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	3,875,767
Interest	21,562,658
Total Revenues	139,802,081
Expenditures	
Total Expenditures	(4,049,888)
Cash Balance 6/30/10	135,752,193
Outstanding Commitments 7/1/10	
Active Appropriations	(12,915,000)
Active Appropriations - Gillette Madison	(16,415,000)
Paid Appropriations	(1,967,620)
Total Commitments 7/1/10	(27,362,380)
Uncommitted Balance 7/1/10	108,389,813
FY11 Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total - FY11 Anticipated Revenues	3,000,000
FY12 - Anticipated Revenues	
Taxes	800,000
Interest	2,200,000
Total - FY12 Anticipated Revenues	3,000,000
Subtotal Revenues	6,000,000
Balance	114,389,813

IV. 2012 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 2012 and 2013 Sessions.

Water Development Account I

Available 2011 Session		$36,594,000
Omnibus Water Bill Planning	$ 3,160,000	
Omnibus Water Bill Construction	24,587,910	
Anticipated 2011 Appropriations		27,747,910
Carryover to 2012		$ 8,846,090
Anticipated Reversions on July 1, 2011		6,000,000
FY13 and FY14 Income		54,600,000
Available 2012 and 2013 Sessions		$69,446,090

Water Development Account II

Available 2011 Session	$13,092,777
Omnibus Water Billing Construction	12,932,700
Carryover to 2012	$ 160,077
FY13 and FY14 Income	12,200,000
Available 2012 and 2013 Session	$12,360,077

Water Development Account III

Available 2011 Session	$114,389,813
Omnibus Water Billing Planning	1,555,000
Carryover to 2012	$112,784,813
FY13 and FY14 Income	6,000,000
Available 2012 and 2013 Session	$118,784,813

The following table attempts to predict funding requests for the 2012 Session:

Water Development Account I	
Non-Project	
Agency Budget	$ 8,500,000
Colorado Endangered Fish Program	100,000
Natural Resources-TMDL's-DOA	675,000
DWSRF-FY13-14-DEQ	1,640,000
Big Horn Adjudication	500,000
Total Non-Project	$11,415,000
Phased Projects-Priorities	
Douglas Box Elder Spring-Phase II	$10,207,500
GR/RS/SC Raw Water Reservoir-Phase II	11,887,500
Wright Water Supply 2011-Phase II	4,220,000
Total Phased Projects	$26,315,000

Other Potential Projects		
Basin Planning	$ 250,000	
Watershed Studies	500,000	
Small Water Project Program	500,000	
Groundwater Grant Program	4,000,000	
Big Horn Regional Well Connection	4,500,000	
Buffalo Northwest	1,000,000	
Cambria/Sweetwater	1,500,000	
Cheyenne Belvoir Well Field	10,000,000	
Jamestown Rio Vista	2,500,000	
Kemmerer/Diamondville	1,500,000	
Lucerne Water Supply	1,500,000	
Northwest Rural-Powell North	10,000,000	
Total Other Potential	$37,750,000	
Grand Total WDAI		$75,480,000

Water Development Account II

Phased Projects-Priorities		
Little Snake Diversions-Phase II	$ 900,000	
Small Water Project Program	500,000	
Willwood Dam Rehabilitation-Phase II	1,410,000	
Total Phased Projects	$ 2,810,000	
Other Potential Projects		
Austin Wall Rehabilitation	$ 3,000,000	
Casper Alcova Irrigation Rehabilitation	500,000	
Heart Mountain Rehabilitation	500,000	
Little Snake Canals	500,000	
Shell Canal Tunnel	1,500,000	
Small Water Project Program	500,000	
Total Other Potential	$6,500,000	
Grand Total WDA II		$8,810,000

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 Storage
Little Snake Supplemental Storage
Middle Piney Reservoir
Nowood River Storage
Shell Valley Storage
Sublette Creek Reservoir
Viva Naughton Enlargement

CHAPTER 3 - ACTIVE PROJECTS

01. PROJECT: 33 Mile Pump Station

LEVEL: New Application
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

* 60% grant

PROJECT INFORMATION:
The 33 Mile Road Improvement & Service District is served by the Central Wyoming Regional Water System as a wholesale customer and is encountering operating pressures below the minimum Wyoming DEQ operating requirement of 35 pounds per square inch. Residents in the area are seeking 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 proposed pumping station will consist 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the 33 Mile Pump Station project be incorporated into the New Development Program at Level III status with an appropriation of $125,960. The financing plan calls for the appropriation to serve as a 67% grant with the sponsor being responsible for the remaining 33% of the project budget.

02. PROJECT: Albin Pipelines and Well Rehabilitation

LEVEL: III
SPONSOR: Town of Albin
LOCATION: Laramie County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	7	2002	II	$160,000	2004
Level III	118	2004	II	$215,000*	2011
Level III	75	2008	II	$20,100**	2011

* 50% grant, ** Sponsor's Inflation Fund

PROJECT INFORMATION:
In 2001, the Town of Albin applied for funding assistance. Albin wanted to pursue detailed cost analyses of rehabilitation of their municipal water system. The Town has access to four wells, all of which have individual problems. All of these wells are piped into the

distribution system rather than to the storage tank. This configuration causes major problems with treatment and system pressures. The transmission pipeline also has problems with pressure, leakage, and dead end lines.

The Level II Test Well and Master Plan Study was completed in 2003 and recommended several schedules for upgrades, additions, and improvements to the Town of Albin water supply system. The Town requested Level III construction funding assistance for the first priority phase, including rehabilitation of wells, replacement of a 6" transmission line from the Station Well to the 100,000 gallon elevated storage tank, and a new cross-connecting segment of 8" transmission line that will feed from the Albin No. 4 Well.

In 2004, a Level III Rehabilitation project, named Albin Pipelines and Well Rehabilitation, was approved and a $215,000 (50%) grant was appropriated for the design, permit procurement, project land procurement, construction engineering, and construction of the project.

Due to unforeseen issues with the landowner at the well site, the Union Pacific Railroad, the design and the construction of this project was delayed. Therefore, the Town of Albin requested an extension of time to complete the project. In addition, the funding available was not sufficient to construct the project due to increases of materials, fuel and labor costs in the intervening time.

In 2008, the Town of Albin received additional WWDC funding of $20,100 and the project reversion date was extended to 2011. The project has been designed and the Town is currently settling project related issues with the Union Pacific Railroad. Construction is anticipated to begin in early-2011.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the reversion date of the existing Level III appropriation be extended from 2011 to 2013.

03. **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 proposed improvements represent a second phase of upgrades to the water supply system and focus on the transmission of water from the well field to the major points of use. Upgrades include 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. Engineering design and procurement of matching funds had not commenced as of December, 2010.

This project has been difficult for the Town to complete as it is struggling financially with large indebtedness from a recently completed wastewater treatment plant project. The public works staff has 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. Therefore, in exchange for the ability to provide emergency water to North Star Utility (located in North Alpine) at some future date, the Utility has agreed to pay for a large portion of this project. This arrangement came about in the summer of 2009 as North Star Utility looked at its options for an additional supply. With issuance of the U.S. Forest Service Special Use Permit in September 2009 for the Alpine Well Rehabilitation Project, it was anticipated that the transmission line project would be able to proceed in 2010. However, the town needed to acquire financing for $115,000 to completely match the WWDC grant of $688,090 before the project could proceed. Therefore, no progress was made on this portion of the overall Town of Alpine water system improvements in 2010. Upon completion of the Alpine Wells rehabilitation project in 2011, the Town will decide if it is going to proceed with the transmission lines project. A newly elected mayor and new council members will take office in January, 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

04. **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:
The Town of Alpine is 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. The original review was completed in 2008. In addition, the U.S. Forest Service required that all proposed aspects of the project, including a future transmission line to an existing tank, be included in the second application, which caused delays in the project. The U.S. Forest Service Special Use Permit was authorized in September 2009.

The project was bid 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. The project is scheduled to be completed in May 2011.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the reversion date of the existing Level III appropriation be extended to 2013.

05. 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 is presently working to secure 33% of the project budget from federal sources.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

06. PROJECT: Austin and Wall Canal and Wall Reservoir Rehabilitation

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$110,000	2010
Level II	32	2010	II	$388,680	2011

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.

The Level II Study is underway and includes geotechnical analyses, including a drilling program on the dam. The study will also refine recommendations related to improving both the Austin and Wall canal systems. An application for a 33% construction cost share from the U.S. Bureau of Reclamation's Salinity Control Program will be prepared and submitted this year.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

07. 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:

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.

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. This project is under way.

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

08. PROJECT: Basin Storage Tank

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$1,634,000*	2014

* 67% grant, 33% loan

PROJECT INFORMATION:
The town of Basin had two existing potable water storage tanks. One tank had a storage capacity of 500,000 gallons and the other had a capacity of 250,000 gallons. They were both concrete tanks. The smaller tank had a conical metal roof and the larger tank had a concrete roof supported by columns. The town observed evidence of increased leakage around the tanks for several years. Upon inspection by a professional underwater repair company, it was determined that both of these tanks had deteriorated to the point that repairing them is not feasible. The town, through this Level III project, replaced the existing tanks with a new 1,000,000 gallon tank at the same general location.

Construction will be completed in 2010 and project closeout will occur in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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).

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

10. **PROJECT:** **Bedford Water Tank**
LEVEL: III
SPONSOR: Bedford Water & Sewer District
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	15	1996	I	$250,000	1998
Level III	118	2004	I	$500,000*	2012
Level III	121	2007	I	$335,000**	2012

* 50% grant, **67% grant

PROJECT INFORMATION:
The Bedford system was originally designed and constructed in 1990. The main elements were the development of two springs, drilling a groundwater well, and transmission and distribution piping. At that time, a storage tank was included as a future element of the system. The system has seen increases in demand. Recent problems with one of the springs have resulted in taking it out of service. The increased storage capacity is needed to meet peak demands within the system and allow the well and spring to operate at a regulated level.

The district was attempting to secure matching funds which will allow them to proceed with the project. Meanwhile, inflation required that supplemental funding be secured. The district sought and received and an additional WWDC appropriation of $335,000 from the 2007 Legislature to supplement the appropriation of $500,000 that was received in 2004.

In 2008, the district completed environmental work in Strawberry Canyon allowing the District to apply for and obtain a permit from the Forest Service and to obtain an ARRA stimulus grant from the Drinking Water State Revolving Fund Program. Well upgrades were completed early in 2009. A contract for construction of the storage tank was executed in December 2009. The project was completed in November 2010 and is presently being closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

11. PROJECT: Big Horn Canal Rehabilitation 2009

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 major headgate on the Big Horn River was in poor condition. The district was having problems regulating the flow into the canal due to the gates not functioning correctly.

The Big Horn Canal Irrigation District sought and received funding to rehabilitate the Big Horn Canal headgate. During the initial design phase, it was determined that additional soil foundation work will be required for the structures. Additional funds were appropriated in 2010. The district has completed the design and construction began in October, 2010. The project should be completed for the spring 2011 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

12. PROJECT: Big Horn Regional Ground Water

LEVEL: II
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	75	2005	I	$1,500,000	2010
Level II	66	2009	I	$ 850,000	2010

See also Big Horn Regional Joint Powers Board Pipeline

PROJECT INFORMATION:
The Big Horn Regional Joint Powers Board [BHRJPB] depends on a ground water supply provided dominantly from the City of Worland well field. Since formulation of the regional system, it has been the desire of Board representatives to seek a redundant source of supply that could be relied upon as a significant supplemental, emergency, or back-up source. On behalf of BHRJPB, the WWDC has continued investigations of groundwater potential for public drinking water source supply in the eastern and southern Big Horn Basin. Sites were investigated that could potentially yield abundant (>500gpm), good quality (<500 mg/l TDS) water. An extensive review of groundwater data within the Big Horn Basin revealed that the most likely aquifer to yield abundant, good quality water is the Paleozoic-age Madison-Big Horn aquifer system.

A test well was completed in late 2001 at the Wild Horse Anticline site, about 13 miles ESE of Thermopolis, as a Madison-Big Horn completion. Unfortunately, production yield at this site did not meet the requirements of the project.

A second test well was drilled and completed at the Buffalo Creek Monocline site, 4½ miles SE of Thermopolis, in early 2004. In 2006, the pump testing phase was completed, which included monitoring of nearby wells, springs, and the thermal springs at Hot Springs State Park. The long-term test confirmed a sustained yield at 600+ gpm without interference to other local /regional ground water resources.

In 2007, a well siting effort continued in the northern tier of the study area, concentrating on basin margin/mountain flank potential from the Tensleep Fault northwest to the Sheep Mountain anticline. A test well was drilled at the Cherry Anticline, 6 miles east of Greybull, in May-June of 2008, as an effort to develop a well close to BHRJPB infrastructure, thereby reducing transmission costs. Again, although water quality and head pressures were favorable, secondary permeability features (fractures, karst) were not encountered in drilling and therefore yield did not meet minimum expectations.

In late 2009, test drilling was completed at a second site on the Cherry anticline feature east of Greybull. Initial aquifer conditions indicated induced fracturing of the formation would stimulate increased production. The well was acid fractured in April of 2010 resulting in 1,200 gpm artesian flow.

The Level II Report will be completed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

13. 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 and 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 proceeding on schedule. Construction of Element 10 is expected to start in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

14. PROJECT: Big Sandy Enlargement

LEVEL: I
SPONSOR: State of Wyoming
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

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. Both tasks are nearing completion. 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 District 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. A major focus of the study will be 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).

The District would like to advance the project to a Level II study status. The Level II funding would be used to contract with Reclamation to continue the technical feasibility analyses. The analyses will include a reconnaissance level geotechnical analysis 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.

Funds would be 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 will focus on mitigation of impacts to wetlands and sage grouse habitat. The District would also like to identify the potential to generate hydroelectric power and identify measures for rehabilitation of the canal that the runs between Big Sandy and Eden Reservoirs.

RECOMMENDED LEGISLATIVE ACTION:
The Wyoming Water Development Commission recommends that the project be advanced to Level II, Phase I status with an appropriation of $300,000.

15. PROJECT: Boulder Flats Water Supply

LEVEL: New Application
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

* 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 study will 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. This additional supply would alleviate shortages, establish a redundant source supply, and provide for future needs in the area.

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

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 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

17. PROJECT: Buffalo Northwest Water Supply

LEVEL: I
SPONSOR: Johnson County and Town of Buffalo
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:
Currently, the Johnson County Airport and surrounding areas are served by individual wells. The water in these wells does not meet drinking water standards. Potable water is hauled from the Town 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.

Over the past three years, Johnson County has sought to develop the airport's economic potential. As a result, there has been significant growth and construction at the airport. There is no potable water available to the system. There is no fire protection due to the lack of adequate water. This lack of water also limits the airport's ability to serve the public.

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 study is underway and will be completed in 2011.

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

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	II	$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.

The Town has selected an engineering firm and is beginning the design process.

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 requested a Level III project funding request for construction of an additional 200,000 gallon elevated storage tank and transmission pipeline.

The Town has selected an engineer and is starting the design process.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

20. PROJECT: Burns Well

LEVEL: I
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

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. The Town depends solely on groundwater supplied from wells completed into the Arikaree Formation. The Town is currently dependent primarily on one reliable well which yields approximately 200 gpm. Their second well has elevated nitrate levels, the third well produces 36 gpm, and the fourth well produces 25 gpm. Due to the immediate need for additional storage, the WWDC in 2010 approved funding for a second elevated 200,000-gallon storage tank as a Level III project. The storage tank project is currently underway and is being designed.

One of the recommendations of the Level I master plan study was to construct an additional water supply well 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 will be 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 per recommendations of the Level I master plan study.

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

21. PROJECT: Cambria/Sweetwater Water Supply

LEVEL: I
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

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 is proposing that the requested Level II studies be combined into one feasibility study.

The proposed 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.

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

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 2010, the CAID began to acquire easements and hired an engineer to design the pipeline. Construction is anticipated to begin in 2011 and be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

23. **PROJECT:** **Casper Paradise Valley Pipeline**
LEVEL: III
SPONSOR: City Casper
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$1,139,000*	2014

* 67% grant

PROJECT INFORMATION:
This project consists of constructing a 16-inch transmission pipeline and appurtenances that provides redundancy to the City of Casper and regional water customers. The pipeline connects to an existing 24-inch regional water system pipeline, north of the North Platte River, and to an existing 16-inch City of Casper transmission pipeline in CY Avenue. Construction of the transmission pipeline is part of a City of Casper road improvement project for Paradise Drive. The system redundancy was recommended in the 2005 WWDC Level I water master. The construction of the project is to coincide with road improvements.

In October 2009, the city completed the design of the project with its own funding. Construction bids were received in December, 2009. Project completion is anticipated in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

24. **PROJECT:** **Casper Rock Creek Dam Rehabilitation**
LEVEL: III
SPONSOR: City of Casper
LOCATION: Fremont County (Project), Natrona County (Beneficiary)
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	75	2008	II	$834,150*	2013

* 67% grant

PROJECT INFORMATION:

The City of Casper purchased the Upper Rock Creek Reservoir in May 2007 for the purpose of providing the City and the Central Wyoming Regional Water System with a firm supply of water during the critical period of February through April. During these months, water right administration may occur for the benefit of Pathfinder Reservoir, which has a water right with a December, 1904 priority date.

In order for the city to safely and efficiently operate the reservoir, several improvements were recommended to facilitate the operation and allow for remote monitoring and control of the facilities. The full range of recommended improvements was as follows:

Phase I:

- Reservoir and Spillway: Minor concrete repairs and channel grading of the spillway.
- Dam: Seepage monitoring at the dam.
- Outlet Works: Replacement of the hydraulic ram on the outlet control structure slide gate; pressure transducer for reservoir level monitoring; a new control and communications building on top of the dam; replacement of the old valve house structure; and a new valve house for the metering and control of the flows through the transmission pipeline. Construction of an access road to the valve house.
- SCADA and Electrical: Installation of a SCADA system to communicate with the dam and provide control from the City of Casper. Installation of electrical service at the control and communication building on top of the dam and at the valve house.
- Stream Gaging Station: Renovation of the decommissioned flow measuring station located above the reservoir to measure inflows to the reservoir.

Phase II:

- Minor repairs to the interior surface coating of the 36-inch steel outlet pipe.

Phase III:

- Replacement of the 20-inch diameter ductile iron discharge pipeline.

During the fall of 2008, Casper Public Utilities (CPU) drained the reservoir to the top of the outlet structure and constructed a floating barge around the structure to allow for access, inspection and repair of the outlet structure and the outlet pipe. During this time, the CPU replaced the hydraulic ram on the 24-inch diameter slide gate; removed the existing steel pipe manifold for the hydraulic ram and replaced it with new flexible hydraulic lines; pressure tested the buried hydraulic lines located along the face of the dam; removed and replaced the steel "grizzly" grate; inspected the concrete structure; and inspected and repaired the coating on the 36-inch welded steel pipeline. With the repairs mentioned, the outlet works were considered to be in excellent condition and fully operational.

Final design plans, specifications and bid documents were completed in 2009. During this time, it was determined that wetlands associated with a planned access road to the valve house at base of the dam would need to be mitigated. Delays were encountered due to the consultation with the U.S. Army Corps of Engineers, as well as with the purchase of necessary land and easements for the project. These issues were resolved by the spring of 2010.

The contract for providing electrical service to the top of the dam was bid separately and completed in November 2009. The remainder of the project was bid in the summer of 2010 and is scheduled to be completed in the spring of 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

25. 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.

Design of the project has been completed and a construction company has been contracted to build it. Construction will be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

26. **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.

Design of the project is progressing well with construction expected in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

27. **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

*67% Grant

PROJECT INFORMATION:
The Central Wyoming Regional Water System (Regional) was formed in 1993 for the purpose 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 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to Level III status in the New Development Program with an appropriation of $1,959,750. The appropriation would serve as a 67% grant with the sponsor being responsible for 33% of the project budget.

28. 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 envisioned as 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 includes four test wells targeted at aquifer features with the most water supply potential on the Belvoir Ranch. Test drilling began in June of 2010 and will extend into early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

29. PROJECT: Cheyenne Southern Pipeline

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

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.

This 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status with an appropriation of $14,029,800. This appropriation will serve as a 67% grant with city being responsible for the remaining 33% of the project budget.

30. PROJECT: Clear Creek Storage

LEVEL:	I
SPONSOR:	Lake DeSmet and Sheridan County Conservation Districts
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

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 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 has provided a detailed evaluation of the watershed and incorporated available technical information describing conditions and assessments of the watershed. The project has 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 will be completed in early 2011.

The Lake DeSmet Conservation District is requesting a Level II Storage Feasibility Study 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 will focus primarily on hydrologic analysis, needs for supplemental water, and site investigations to determine the most viable storage locations.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to Level II status in the Dam and Reservoir Program with an appropriation of $250,000. This recommendation originated from the Clear Creek Watershed Study which was funded during the 2009 Legislative Session.

31. 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 III	121	2007	II	$ 125,000*	2012
Level II	33	2008	II	$ 200,000	2010
Level III	75	2008	II	$1,250,000*	2012

*67% grant, 33% loan

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 received design funding in 2007 for five project components. In 2008, construction funding was received for the Sulfur Creek Siphon, Sulfur Creek Spillway, and Diamond Creek Flume. Those three components were built in the winter of 2009-2010 with some remedial work to be completed prior to the 2011 irrigation season.

The Cody Canal Chute Project is a request for construction funding to replace Newton Avenue Chute. Design was completed as a part of the Cody Canal Rehabilitation 2007 funding. This request is for $223,000 to finance construction, construction engineering, and land rights as necessary to construct the project. The funding requested is 67% grant and 33% loan. This project will be publically bid to construction contractors and should be completed prior to the 2012 irrigation season.

The Cody Canal Drop Structure Project is a request for 100% grant funding to be used only to finance invoiced materials to 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. This project should be completed prior to the 2012 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
Cody Canal Chute Project:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $223,000. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 20 years.

Cody Canal Drop Structure Project:
The WWDC recommends the project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $50,000. The financing plan includes a 100% grant to be used only for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

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. 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 couple of 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.

The district anticipates that the project will be completed in 2011.
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	33	2008	III	$250,000	2010

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project advance to Level II, Phase II status in the Dam and Reservoir Program with an appropriation of $130,000.

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	2011

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.

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 has secured its funding package and is starting the engineering design process. Engineering design is anticipated to be completed in 2010 with project construction to follow.

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*	2014

*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 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 completed construction of Lateral D56-1 and is constructing Laterals D56-64 and 196F during the winter of 2010-2011.

The sponsor is requesting $350,000 of additional grant funds from the 2011 Legislature to purchase materials to replace ditch with buried pipe on Laterals 189F and D113.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Level III appropriation be increased from $673,000 to $1,023,000 or $350,000. 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.

37. **PROJECT:** **Douglas Box Elder Spring – Phase 1**
LEVEL: I
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

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 a Level I master plan be completed to provide the following:

- Investigation of additional water supplies including expansion of spring capacity, expansion of the Sheep Mountain Well, and expansion of the water treatment plant.
- GIS mapping for the City and its growth boundary, including water system components.
- Growth projections and assessment of the water system's capacity to meet projected growth, and
- Evaluation of water production, storage, distribution, treatment, and transmission capacity to meet growth projections.

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the New Development Program to Level III Phase I status with an appropriation of $1,487,400. The financing plan calls for a 67% grant with the sponsor being responsible for the remaining 33% of the project budget. This appropriation will be used to design the entire project and construct the spring house. Funding for the replacement of the pipeline will be requested in the future.

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

*67% grant, 33% loan

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. The project documents have been completed. Design is underway and construction should begin in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

39. PROJECT: Dubois Well No. 11 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	118	2004	I	$45,000	2008
Level III	105	2006	I	$205,000*	2011
Level III	75	2008	I	$210,000*	2011

*67% grant, 33% loan

PROJECT INFORMATION:
A production-size exploration well was drilled and tested in summer 2005 under the Level II Dubois Water Supply Study. The well is located on the western edge of town and was completed in alluvial and associated glacial outwash sands and gravels of the broader Wind River Valley Quaternary-age deposits. The well will produce 1000 gpm with minimal drawdown and has excellent water quality. The purpose of the Level III project is to connect the well completed during the Level II study to the town's water supply system.

The well connection was originally funded during the 2006 legislative session. In 2007, the town determined that the funds were not sufficient to construct the project as the well's production is higher than expected and the transmission line needed to be larger. The 2008 Legislature funded this additional request. The town completed the plans for the project and the project was bid in early 2010. The construction of the project has progressed nicely and the project should be completed in late 2010.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

40. **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

*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 is scheduled to be completed in November 2011. The final lateral (West Side Lateral) is to be under contract for rehabilitation work in 2011 and 2012.

Currently, EVIDD is in the process of securing additional funding ($1,713,000) as a 50% grant from (BuRec) for Phase IV. EVIDD is requesting that the matching 50% of the project costs be a grant using WWDC Account II funding. This project would involve 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. Construction of Phase IV is projected to be bid in the fall 2011 with completion prior to Spring 2012.

RECOMMENDED LEGISLATIVE ACTION;

The WWDC recommends the project be incorporated into the Rehabilitation Program at a Level III status with an appropriation of $1,713,000. The appropriation will serve as a 50% grant with the remaining funds being provided by the Colorado River Salinity Control Program.

41. **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.

42. **PROJECT:** **Evansville Regional Connection**
LEVEL: II
SPONSOR: Town of Evansville
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Town of Evansville's population is predicted to more than double by 2040, thereby increasing the peak day treated water demand. The recently completed Evansville Water Master Plan evaluated options to provide the necessary treated water, including an expansion of the existing water treatment plant as well as the option of abandoning the Town's water treatment plant altogether and acquiring treated water from the Central Wyoming Regional Water System (CWRWS). Decisions need to be made by the Town with regards to a reliable, cost-effective source of supply in the future.

The 2010 Wyoming State Legislature funded this Level II study to further evaluate a possible connection to the regional water system. The Town of Evansville, after a requested one-year postponement of the project, has since requested that the study not be conducted. Funds previously appropriated for this project will revert back to Water Development Account I.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

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. A master plan would provide an inventory of the system, identify current and future needs, provide recommendations for upgrading the system, and make recommendations on appropriate water rates.

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

44. 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	II	$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. The well drilled will be sold to the District for $36,555.90, and this amount will be added to the District's loan.

The District is in the process of securing the services of an engineering firm.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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 is currently under construction and the City anticipates construction will be completed sometime late 2011.

Phase III of the project involves designing and constructing cathodic deep anode beds to provide cathodic protection to the pipeline. Phase III design work will commence following Phase II construction.

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 Description	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	
Total			$41,250,000	

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, and
   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.

Project costs are estimated at $217.6 million. The City of Gillette is underway with the design of a new Madison formation well field, new water transmission pipeline, storage and pumping systems that will provide the "backbone" for a much-larger regional water system. The design for the supply, transmission, storage and pumping systems will be complete in 2011.

The City of Gillette has recently completed 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 plan to have a special election to secure a capital facilities tax for the project.

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 Wyoming Legislature.

47. **PROJECT:** **Glendo Storage Account**
LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Sublette and Sweetwater Counties
PROGRAM: Dam and Reservoir

PROJECT INFORMATION:
The Glendo Storage Account would be used as the primary supply for replacement water to meet Wyoming's obligations under the Nebraska v. Wyoming settlement related to groundwater wells in Goshen County. As the water rights for Glendo Reservoir are junior to the other federal reservoir on the North Platte River, there will be times when Glendo Reservoir will not provide sufficient water to meet Wyoming replacement water obligations. When this occurs, the shortages will be covered by the Wyoming Account in the Pathfinder Modification Project.

During the settlement, negotiations centered around an equitable means with which to determine the effects of the groundwater wells on the natural flow in this reach of the North Platte River, which is apportioned 75% to Nebraska and 25% to Wyoming. The parties designated the area of interest as the "triangle," which encompasses the area bounded by the Whalen Diversion Dam on the West, 300 feet south of the Fort Laramie Canal on the South, one mile north of the Interstate Canal on the North and extending downstream to the Wyoming/Nebraska State Line on the East. The parties selected this area because it was evident that wells in the area are hydrologically connected to the North Platte River or the Interstate or Fort Laramie Canals.

The settlement teams turned to their respective groundwater experts to determine the effects of the water production from wells in the triangle on the apportionment of natural flow. The following parameters were accepted for purposes of the settlement:

1. The average total pumping of irrigation wells in the triangle from 1946 to 1994 was 48,525 acre feet per year.

2. The average net consumption of the water pumped from the irrigation wells from 1946 to 1994 was 29,783 acre feet per year.

3. There were an estimated 335 irrigation wells in the triangle.

4. Estimates suggested that the irrigation wells depleted an average of 8,158.2 acre feet per year from the flow in the North Platte River at times when there was insufficient natural flow to meet irrigation demands in the Whalen to state line reach.

5. Therefore, the parties determined that the average effect on natural flows in the river during shortages is 24.4 acre feet per year per well (8,158.2 acre feet/335 wells).

The North Platte Decree provides Wyoming an annual allocation of 15,000 acre feet of storage water per year from Glendo Reservoir. There are permanent contracts for 4,400 acre feet of this water. Negotiations are presently underway with the Bureau of Reclamation for the State of Wyoming, through the Wyoming Water Development Office, to secure a long-term contract for the remaining 10,600 acre feet of storage water.

Since the implementation of the settlement, the Wyoming Water Development Office has been purchasing replacement water from Glendo Reservoir through temporary water use agreements. The permanent contract will ensure the water is available to Wyoming on a long-term basis.

RECOMMENDED LEGISLATION ACTION:
The WWDC recommends that a debt service account be established to meet the State of Wyoming's long-term contract obligations for a permanent contract for 10,600 acre feet of Glendo storage water. Further, it is recommended that $800,000 be transferred into the debt service account from the 2002 appropriation provided to the Wyoming Water Development Program for implementation of the settlement of the Nebraska v. Wyoming law suit. The 2002 legislation specifically authorizes the use of the appropriation for the purchase of Glendo storage water.

48. **PROJECT:** **Glendo Well**
LEVEL: III
SPONSOR: Town of Glendo
LOCATION: Platte County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$ 780,000*	2013

* 67% grant, 12.6% loan, 20.4% sponsor's responsibility

PROJECT INFORMATION:
This project consists of installing a pump in a Level II well and constructing a transmission pipeline between the well and town. The project is currently in the construction phase and the town anticipates completion of the project in early 2011.

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RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

49. **PROJECT:** **Glenrock Master Plan**
LEVEL: I
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The town requested a Master Plan to update population projections based on the newest information available, evaluate the existing water system including the new well and tank, produce a municipal GIS, update the existing hydraulic model, develop necessary system upgrades, improvements, and expansions, and complete an evaluation of the water system financing. The work has been completed and report is being finalized.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

50. **PROJECT:** **Glenrock Well**
LEVEL: III
SPONSOR: Town of Glenrock
LOCATION: Converse County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	I	$600,000	2006
Level II	99	2006	I	$550,000	2008
Level III	75	2008	I	$520,000*	2013
Level III	38	2009	I	$180,000*	2013

* 67% grant, 33% loan

PROJECT INFORMATION:
In 2003, the Town of Glenrock submitted an application to drill a test well and determine the feasibility of constructing a water storage tank, as well as evaluate a power generation system and conduct a hydraulic analysis of the present system. The Town of Glenrock is supplied by three wells. "Well #1" and "Well #2" are shallow wells (230' deep) drawing from the Deer Creek alluvium, "Well #5" is 1,174 ft deep and located in an alluvial aquifer. Wells #1 and #2 have a direct impact on surface water flows and can be shut down under water rights administration, which leaves the town reliant on Well #5 to meet its total demands. The Town wanted the flexibility of shutting Well #1 and Well #2 off during the summer. During the Level II investigations, Test Well #7 was drilled close to the existing Glenrock Well #5 to provide a redundant source of supply. Well #7 is capable of yielding 1,500 gpm. The final report recommended Glenrock request Level III funding to purchase the well and tie the well into their water system.

The 2008 legislature funded the well project. Early in the project it was determined that the control building for the well had been omitted from the original request. The Town requested and received additional funding in 2009 to construct the control building for the project. The construction has been completed and the project is being closed out.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

51. **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

* 67% grant, 33% loan

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, it was determined that the cost of storage, considering the limited amount of excess water available, was beyond the financial capabilities of the District. System upgrades and ground water supplies from area wells did appear to be affordable to the District. Therefore, 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 have delayed the project. The issues are nearly resolved and the project should be completed prior to the spring irrigation season in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

52. 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

*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.

Goshen Rehabilitation 2009:
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.

The GID has completed the design for the Springer Main portion of the project. The Springer Main portion of the project received favorable bids and was awarded in 2009. Construction was completed in 2010.

GID is working through its priority list generated from the 2008 Master Plan by completing the design and starting work on the Table Mountain Lateral and Horse Creek lateral diversion. Construction is anticipated to be completed in 2011.

Goshen Rehabilitation 2011:
The 2008 Level I master plan identified and prioritized five major areas of rehabilitation need: pipelines, automation, liners, structures and a re-regulation reservoir. The District has chosen the Table Mountain Lateral and Check Structure 45.1 as its next rehabilitation project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Goshen Rehabilitation 2011 project be advanced in the Rehabilitation Program to Level III status with an appropriation of $1,100,000 as a grant for materials only. The sponsor will provide the remaining project costs.

53. **PROJECT:** **Granger Water Storage**

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	121	2007	I	$1,024,430*	2012

*67% grant

PROJECT INFORMATION:
Previous Level II WWDC studies in 1990 and 2002 outlined significant improvements required of the Town of Granger's water system involving treatment, storage, transmission/supply and distribution. Due to fiscal constraints, the recommended improvements were not immediately implemented. In November 2005, a Specific Purpose Excise Tax was approved for communities in Sweetwater County. The Town of Granger sold revenue bonds based on the future collection of the tax and is currently implementing the phased construction of the needed water system improvements recommended by the 2002 study using the revenue bonds for the local match.

WWDC grant funding was requested during the 2007 Legislative Session to construct a new 500,000 gallon storage tank, to recoat the interior walls of an existing storage tank, and to make structural repairs on the same existing storage tank. Construction of the new tank was to be situated at the appropriate elevation to provide adequate water pressure to the upper reaches of the service area, thereby eliminating inadequate water pressures.

With the completion of the new tank, the existing tank will be taken out of service and repairs and recoating of the existing tank will be accomplished. The completion of work on the tanks will then allow the Town to undertake replacement of air valves, flushing valves and control valves on the main water supply transmission line.

During 2008, a geotechnical investigation was completed to confirm the location of the new storage tank at the preferred site. Negotiations for procurement of a permanent easement and access to the site took place in late 2008. Design of the tank and connecting transmission line was completed in June 2009 after the easements had been procured. A construction contract for the tank and transmission line was awarded in August 2009 and completed in the Fall 2010. Remaining project work to rehabilitate the existing tank is projected to be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

54. **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 development of a river basin simulation model and decision support database system. The study is needed to provide direction on development of a surface water hydrology model to allow a better understanding of the water flows and use in the Green River Basin. The decision support system will assist in water planning, management and administration. The study is currently ongoing and meetings with the State Engineer's Office, WWDO, and WRDS staff members have helped define what data exists and what data are necessary to develop a decision support system. The study will be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

55. **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 Cotton Wood 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.

Recent 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 started 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 is proceeding during winter 2010/spring 2011. Remaining project work is to be accomplished during the fall/winter 2011.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

56. PROJECT: Green River West Water Supply

LEVEL: New Application
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

PROJECT INFORMATION:
This proposed Level II study is a culmination of the GR-RS-JPWB Master Plan and the James Town / Rio Vista Water Supply study. The James Town / Rio Vista study identified the need for a new water supply and storage tank. The preferred alternative is 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 would need 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 will investigate the combined demands of the James Town/Rio Vista and the City of Green River and determine the transmission and storage needs.

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

57. PROJECT: Greybull Pipeline and Well Improvements

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	34	2004	I	$475,000	2006
Level III	75	2008	I	$1,470,000*	2013

*67% grant and 33% loan

PROJECT INFORMATION:
The Greybull Well Rehabilitation Level II Study completed in 2006 recommended pumping systems for two of the flowing wells supplying the Town of Greybull. The conversion to pumps will increase the yield of the wells significantly. The study also included a comprehensive evaluation of the Greybull water transmission pipeline. The evaluation recommended key pressure control improvements for more efficient operation.

The design for the pump and controls at the Shell Well No. 3 and the pipeline improvements were completed in 2009. Construction of the project has begun and will be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

58. **PROJECT:** **Greybull Valley ID Hydro Power**
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. With the current budget shortage, the project was recommended for funding of the design phase of the Level III project and postponement of the construction phase of the project.

In 2007 and 2008, 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 remains committed to the project and have retained a consultant to initiate the Federal Energy Regulatory Commission (FERC) licensing process. This will require economic and environmental analyses.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

59. **PROJECT:** **Greybull Valley Rehabilitation, GIS**
LEVEL: II
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	$150,000	2010

PROJECT INFORMATION:
The District requested an interactive Geographic Information System (GIS) be created and built for the district to use as a planning tool. The study is complete, and includes mapping of the conveyance system, identification of irrigated polygons, digitization of land classification maps, identification of repair needs of control structures, and prioritization of maintenance and repair schedules. The study is nearing completion.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

LEVEL: I
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

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). As water treatment is not eligible for funding, the following recommendation suggests that the sponsor obtain 25% of the total project cost from other funding sources.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the New Development Program to Level III-Phase I status with an appropriation of $900,000. The appropriation includes funds to design and permit the project. The financing plan includes a 50.5% grant and a 24.5% loan with an interest rate of 4% and a term of 30 years. The sponsor is responsible for the remaining 25% of the project budget. The second phase of the project will include the construction of the reservoir.

61. 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. All funds in the Ground Water Exploration Grant Program are currently encumbered.

CURRENT SPONSOR + ACTIVE/OBLIGATED FUNDS

City of Cheyenne/Board of Public Utilities (Managed ASR): $400,000
Sierra Madre Water & Sewer District Joint Powers Board (Municipal well): $213,000
Town of Elk Mountain (Municipal well): $370,466.12

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

62. 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, Phase I	38	2009	II	$300,000*	2014

*67% grant, 33% loan for design and permitting only

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 District has requested funds to construct the new diversion dam. Construction will commence October 2011.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project appropriation be increased from $300,000 to $3,900,000 or $3,600,000 to allow for the construction of the project. The financing plan will remain a 67% grant and 33% loan with an interest rate of 4% and a term of 30 years.

63. PROJECT: Hanna Master Plan

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

PROJECT INFORMATION:
The Town of Hanna has requested a master plan including a leak detection analysis. Unaccounted water due to leaks is estimated to be more than 50% of the water produced. A percentage of the unaccounted water is being used on town-owned properties. There are water meters that need to be replaced or repaired. 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. A master plan would provide the necessary inventory of 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.

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.

64. PROJECT: Heart Mountain Rehabilitation Projects

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, replace two diversion structures, construct a new diversion structure, and install automated gates at two locations. The sponsor has completed construction on laterals R15-2N, R15-6N, R26, R28, and the H103 head box. Construction of the weed screen structure has begun and will be completed prior to the 2011 irrigation season. This will complete the Heart Mountain Rehabilitation Project, which received funding in 2008.

In 2010, Heart Mountain Rehabilitation 2010 Project was funded. The sponsor hired an engineer and had pipelines designed to replace ditches for laterals H55 and H24. Both are expected to be built prior to the 2011 irrigation season. The remaining laterals will be designed and built after the 2011 irrigation season. This project should be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

65. PROJECT: Highline Canal

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

EXISTING LEGISLATION:

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

66. **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. The design was completed and construction is underway. Construction should be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

67. **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 are an 80,000 gallon steel tank and an 800,000 gallon concrete tank. The smaller 80,000 gallon tank is located on private property adjacent to the Snow King Ski Resort and would be 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 would be constructed on the same site. Officials of the National Elk Refuge have confirmed in writing that such a replacement in place activity would qualify for a categorical exclusion under NEPA.

The existing 800,000 gallon concrete tank is 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 the storage tank has been exceeded and needs to be replaced with a larger tank that would be capable of providing water to all three pressure zones of the Town. Accordingly, it would be sized to address increased growth within Jackson.

The existing 80,000 gallon above-ground steel storage tank has also exceeded its useful life and is experiencing significant internal corrosion and staining along with delaminating of the tank's roof. In addition the tank is poorly protected from falling trees and earth slides where it is currently located. Because it is an above-ground steel tank, its storage level capacity must be significantly decreased in the winter to control freezing and ice build-up. Relocating the tank to a nearby site would allow 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 of the smaller new 130,000 gallon tank has been completed and the tank will be bid during the early part of 2011 to be constructed during spring 2011. Design work continues on the larger 1,300,000 gallon storage tank for construction in fall 2011.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

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

Out of several alternatives considered, the preferred alternative from this study 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.

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

69. **PROJECT:** **Jeffrey City Water Supply**
LEVEL: New Application
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. The District is seeking 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:
The WWDC recommends the supply system study be incorporated into the New Development Program at Level II status with an appropriation of $100,000.

70. **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 study was finished this summer. The Master Plan identified several deficiencies and necessary upgrades for further analysis, design, and cost estimates.

The sponsor received Level II funding for the Kemmerer/Diamondville Water Supplies Level II study during the 2010 Legislature. Currently, this study is underway with the development of the hydraulic model and the identification of alternatives for Level III funding. The project is expected to be complete in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

71. **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 will allow the canal companies to form public entities that are eligible for WWDC funding.

Preliminary data collection on existing infrastructure and seepage loss has been completed for both the Keystone and Farmers portions of the project. Additionally, research has begun on different public entity options that are available to the irrigators. The report is scheduled for completion in September of 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

72. **PROJECT:** **Kirby 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	125	2003	II	$175,000	2004
Level I	66	2009	I	$150,000	2010

PROJECT INFORMATION:
The Kirby Creek watershed, located northeast of Thermopolis, includes approximately 128,605 acres with land ownership divided among federal (50%), private (38%), and state (12%). The watershed includes the main stem of Kirby Creek and its tributaries including East and West Kirby Creek and Lake Creek.

A watershed study was completed for Kirby Creek in 2004. Watershed rehabilitation project activities identified and recommended in the 2004 study have been completed. On behalf of the Hot Springs Conservation District, the WWDC is preparing an updated watershed study to evaluate the effects of previous project implementation to current watershed function, evaluating current condition of riparian areas within the drainage and updating geomorphic classifications.

The development of an updated upland livestock and wildlife water management and rehabilitation plan will be included in the plan. This information will provide baseline information from which the District can continue implementation of management practices that address the natural resource issues within the drainage. The final report for this study is completed.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

73. **PROJECT:** **Kirby Rehabilitation 2011**
LEVEL: II
SPONSOR: Kirby 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

PROJECT INFORMATION:
The Kirby 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.

The comprehensive management and rehabilitation plan addressed needed improvements to existing structures on the conveyance facility, evaluated the potential to automate the delivery system, and developed potential re-regulation reservoir alternatives. Digital mapping of the system that covers the main canals, laterals, and conveyance system structures was also prepared. The final report for this study is completed and the contract was closed in 2010.

The Kirby Irrigation District has requested funding assistance to rehabilitate the main diversion head gate. A portion of this structure failed during the 2009 irrigation season and was temporarily repaired. If this structure fails, it would impact the availability of irrigation water to the entire irrigated acreage served by the District. The District has also requested assistance in replacement of a main canal culvert. This culvert is undersized which causes backwater to the State Engineer's Office gaging station and complicates diversion measurement. The proposed project will also reconfigure the upper portion of the conveyance canal. This portion of the project will reestablish a canal shape that will enhance water flow through the system, thereby reducing seepage loss and moss development through improved water velocities. In addition, a section of the canal that experiences seepage losses will be lined.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the project be advanced to Level III status in the Rehabilitation Program with an appropriation of $420,000. The proposed financing plan calls for a 67% grant and a 33% loan with an interest rate of 4% and a term of 20 years.

74. **PROJECT:** **LaBarge Water Supply**
LEVEL: II
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

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. Secondly, the efficiency of the original infiltration gallery to divert water upon demand has deteriorated to a critical state. Complicating these matters is 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 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 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 towns 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.

By early 2011, the town will be utilizing new water treatment facilities. The Level II study was completed with a conceptual design and cost estimates for a Green River diversion structure to serve the new water treatment plant.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to Level III status in the New Development Program with an appropriation of $370,000. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 20 years.

75. **PROJECT:** **Lance Creek Well**
LEVEL: I
SPONSOR: Lance Creek Water District
LOCATION: Niobrara County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The sponsor requested a Level I study to identify solutions to remove or reduce arsenic levels in their current water supply. The District is under an EPA Administrative Order for arsenic levels exceeding the drinking water standard. This study reviewed treatment alternatives to determine the feasibility and cost of each alternative for comparison. It was

recommended to apply for a Level II groundwater feasibility study to construct a test well into the existing groundwater source and evaluate whether the well screen may installed higher in the aquifer to reduce arsenic levels. This study also included a cost analysis of replacing their 70-year-old storage tank which is leaking and has exceeded its useful life.

The U.S. EPA issued an administrative order to the District for exceeding the arsenic maximum contaminant level (MCL). The proposed Level II groundwater feasibility study is requested to determine if a replacement well may be constructed to a depth of approximately 225 feet 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced to Level II status in the New Development Program with an appropriation of $260,000.

76. PROJECT: Lander Master Plan

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	I	$100,000	2009
Level I	32	2010	I	$ 85,000	2011

PROJECT INFORMATION:
Present treatment, transmission, and storage components of the City of Lander's water supply system have been replaced, upgraded, and expanded in the last 5 years. Source supply options remain tenuous depending on drought conditions and distribution system capabilities. The Level I study was formulated to inventory, evaluate, and map the existing system via the creation of a GIS and by means of a calibrated hydraulic model to evaluate the adequacy of the transmission and distribution systems to meet efficient pressure and flow requirements. Additional funds were appropriated in 2010 to acquire comprehensive pressure/flow/demands data for an accurate hydraulic model. Flood damage in spring of 2010 stalled this effort until later in the year. With the required system data incorporated and analyzed, the Level I report will be completed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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 is working towards finalizing the design of the project and construction will follow.

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 III-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.

The city received favorable bids for construction. Construction began in early 2010 with completion anticipated in early 2011.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

79. PROJECT: Laramie Water Management Study

LEVEL: II
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

PROJECT INFORMATION:

The City of Laramie completed a study that investigated the long-term management of their Monolith Ranch Water rights. The study investigated the City's current water supply and made recommendations for more efficient use of the City's water resources. Laramie requested a Level II study from the 2005 Legislature to further refine the alternatives proposed by that study. Funding was approved for the Laramie Water Management Phase 1 Study.

The study provided several recommendations. Of those recommendations, the City requested additional funding to study the items listed below:

a. A GPS based survey of the city's fire hydrants and water valves.
b. Calibrate their hydraulic model and re-evaluate the future demand scenarios identified in the Phase 1 of the study.
c. Field tests to evaluate the potential to recharge the Spur Well field by injecting excess water from the Turner Wells.

The hydraulic modeling portion of this project has been completed. It reinforced the need for an additional supply to the south side of Laramie. Also, the South of Laramie Water and Sewer District requested an additional connection to the City of Laramie's system to provide redundancy should their existing water supply pipeline break or need maintenance. A construction cost estimate and a Level III project application were prepared to correct these issues. For additional information, please refer to the South Laramie Water Supply Project.

In the summer of 2008, several meetings were held with the DEQ seeking a permit to inject Laramie drinking water at the Spur well field to test the recharge concept described above. In order to obtain an injection permit, DEQ required a Modflow model be prepared that encompassed a 65 mi^2 area around the well field, and lab analyses of core samples from the aquifer to determine if undesirable results could occur as a result of the injection. This was not included in the initial budget. As a result, the City of Laramie requested additional funding in 2009 to complete the Aquifer Storage and Recovery Pilot Test for the Spur well field. DEQ granted a temporary permit in May of 2010 for the duration of the Pilot test. The pilot test was completed in August. The final report is complete.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

80. 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 had previously completed the design and has obtained the necessary easements but changes in design delayed the project and construction should be starting soon.

Construction is performed during the non-irrigation seasons following canal shut off in September.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

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 2011.

RECOMMENDED LEGISLATIVE ACTION:
See Little Snake Rehabilitation 2011.

82. **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 District requested funding to re-construct the First Mesa, Baggs Canal and the Ready diversion structures. A Level III project is traditionally the subject of a previous Level II study. However, field reconnaissance by WWDO staff and photos submitted by the District demonstrated that the rehabilitation measures are needed to provide greater certainty that water may be delivered to member ranchers and farmers. The Adams diversion structure will also be improved if there are sufficient funds.

First Mesa and Baggs Canal diversions are constructed of sheet pile. 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 respective

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 add large boulders in rock vein or rock berm configurations at an elevation high enough to allow water to be diverted into the canal. These temporary diversion structures require constant maintenance throughout the irrigation season. The District will also rehabilitate the Ready and Adams diversions, which were not constructed with sheet piling, but need improvements.

The District is currently coordinating planning efforts with the various state and federal agencies participating in the construction funding for the project. Construction is anticipated to commence during the fall 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

83. **PROJECT:** **Little Snake Rehabilitation 2011**
LEVEL: II
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

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. This study will be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to Level III status in the Rehabilitation Program with an appropriation of $154,100. The funding will serve as a 67% grant with the remaining 33% of the project budget being the responsibility of the District.

84. **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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

85. PROJECT: Little Snake Supplemental Storage

LEVEL: II
SPONSOR: Savery-Little Snake 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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

86. **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

PROJECT INFORMATION:
Little Snake River Conservation District has 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 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 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.

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.

87. PROJECT: Lovell Rehabilitation 2009

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	II	$432,000*	2014

*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 first phase of the project is substantially complete. Additional phases may be constructed with approval of the WWDC.
RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

88. PROJECT: Lovell Transmission Pipelines

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	75	2008	I	$1,299,800*	2013

* 67% grant

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 systems over a seven-year period. Phase 1 and 2 of this project are not eligible for WWDC funding.

The estimated construction cost for Phase 3 of this project is $10,418,291. Funding for the non-WWDC project eligible portions of the project is being provided by an RUS loan and grant, SLIB grants, and the Town. The Town of Lovell received a 67% WWDC grant of $1,299,800 for the design, permit procurement, project land procurement, construction engineering, and construction of the project. This WWDC grant is only for the portion of the project that enlarges and replaces the water transmission lines. The total project budget is $1,940,000.

The sponsor's engineer completed the project design in mid-2009, received favorable bids and the project is currently under-construction. The project is anticipated to be completed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

89. **PROJECT:** **Lower Nowood Rural Water Supply**

LEVEL: New Application
SPONSOR: Lower Nowood Water Users
LOCATION: Washakie County
PROGRAM: New Development

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. Residents have requested a Level I study to consider their alternatives for a good quality drinking water supply and a reliable water system.

RECOMMENDED LEGISLATIVE ACTION

The WWDC recommends that the project be incorporated into the New Development Program at Level I status with an appropriation of $70,000.

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:
It is anticipated that by mid 2011, the Bighorn Regional Joint Powers Board [BHRJPB] will commence construction of a 10" pipeline from the Washakie County line (Winchester) to the Town of Kirby. With completion, Lucerne will discontinue its use of water 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.

This 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: New Application
SPONSOR: Town of Manville
LOCATION: Niobrara County
PROGRAM: New Development

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.

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

92. **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	2011

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.

<u>RECOMMENDED LEGISLATIVE ACTION:</u>
No legislative action is required.

93. **PROJECT:** **Midvale Rehabilitation Projects**
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	105	2006	II	$542,700*	2012
Level III	38	2009	II	$230,000*	2013
Level III	68	2010	II	$263,000*	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 District to complete the rehabilitation projects identified in Level II studies. Most of the construction is completed. System automation, funded in the 2006, will be closed out by spring of 2011. The improvements to irrigation structures, funded in 2009, have been partially completed. The construction of the remaining structures will be delayed one year and will be completed during the non-irrigation season of 2011-2012. The design for the improvements to the Wyoming Lateral, funded in 2010, has been completed and construction is underway. It is anticipated that the sponsor will complete construction of this project prior to the 2011 irrigation season.

The district is requesting a material's only grant in 2011 to convert a concrete ditch to a buried pipeline. 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 project be incorporated into the Rehabilitation Program at Level II status with an appropriation of $450,000. The financing plan includes a 100% grant for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

94. **PROJECT:** **Mile-Hi Water Supply**
LEVEL: III
SPONSOR: Mile-Hi Improvement and Service District
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	33	2008	I	$75,000	2010
Level III	38	2009	I	$1,015,360*	2014

* 67% grant, 16.5% loan, 16.5% sponsor's responsibility

PROJECT INFORMATION:
Residents along Zero Road (including Six Mile, Mile Hi, and Horseshoe Roads) located to the west of Mills have limited or no water supply due to falling water levels in their domestic wells. Some of the residents are hauling water to meet their daily needs. Residents in the area were interested in a stable water supply and wished to establish a rural domestic water system to be served as a wholesale customer of the Central Wyoming Regional Water System (CWRWS).

A Level II study was undertaken in 2008 which evaluated the feasibility of establishing a rural domestic water supply system. This study included service area delineation, current and projected water demands, conceptual designs, an environmental assessment, cost estimates and an economic analysis. The District requested Level III construction funds for this pipeline project as they had received a "willingness to serve" from the CWRWS, a letter of support from the Natrona County Commissioners, and unanimous support from the residents of the District to authorize assessments for construction of the proposed water system. In addition, the Wyoming Office of State Lands & Investment Board (SLIB) approved the loan needed for the project.

Construction of this project has begun with completion expected early in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

*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 2011.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the reversion date for the project appropriation be extended from 2011 to 2013.

96. **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 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 flows downstream go 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 by the end of 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

97. **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 is currently applying for funding for the remaining 33% of the project budget.

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

98. **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 April 1, 2012.

RECOMMENDED LEGISLATIVE ACTION:

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.

The WWDC is recommending that W.S. 99-99-1001(k) be clarified to ensure that the funds will be deposited into the Pathfinder Modification Debt Service Account rather than the Miscellaneous Debt Service Account, as previous stipulated in W.S. 41-2-1301(f)**.**

99. PROJECT: Pavillion Area Water Supply

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

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 of approximately 8 square miles. This Level I water supply study will outline long-term solutions to the local water supply problems. The study will define alternatives, develop cost estimates for each alternative, and evaluate the alternatives based on technical feasibility and cost. The study is anticipated to be completed by December 2011.

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

100. 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 has started the design process to properly incorporate the new well into the Town's supply system.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

101. PROJECT: Pine Bluffs Lance, Fox Hills Well

LEVEL: III
SPONSOR: Town of Pine Bluffs, Incorporated Municipality
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*	2012
Level III	90	2008	I	$110,240*	2012

* 67% grant, 13.6% loan, 19.4% sponsor

PROJECT INFORMATION:
Under the 2004 Level II study, a deep test well was drilled on the north edge of Pine Bluffs. This well provided quality and quantity information on two water bearing zones. The Town requested a Level III project to purchase and complete the well and place it into the Town's water system. In 2006, the sponsor received Level III funding. In 2008, additional funding was provided to allow for upgrades to other existing wells.

The Lance, Fox Hills Well was completed and incorporated into the municipal system in 2008. The sponsor is in the process of evaluating the upgrade of other existing wells and the entire project is anticipated to be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

102. 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 the east and west transmission lines should be priority projects. The Pinedale east transmission line project will replace one of the existing water supply transmission lines 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 is $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 lines.

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 and construction of the west transmission lines will continue through 2011 into 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

103. **PROJECT:** **Pioneer Rehabilitation**
LEVEL: II
SPONSOR: Pioneer Water & Sewer District
LOCATION: Natrona County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level II	66	2009	II	$75,000	2010

PROJECT INFORMATION:
The Pioneer Water and Sewer District is a large rural water district located northwest of Casper which is served by the Central Wyoming Regional Water System (CWRWS) as a wholesale customer. The system is experiencing significant repairs due to aging infrastructure. A portion of the District's transmission line along 10 Mile Road is constructed of 10" ductile iron and has experienced two breaks within the last three years due to age and corrosion, in spite of cathodic protection on the pipeline. This section of the pipeline serves approximately half of the users on the Pioneer system and is the sole transmission line for water supply to the 33 Mile Road Improvement and Service District. More than 200+ taps are affected by the problems with the pipeline. System rehabilitation opportunities and costs were assessed through this Level II feasibility study.

Principal findings of the study indicated that while the main transmission lines in question were of sufficient condition and did not require replacement, the District needs to upgrade and maintain their cathodic protection system. Such efforts will be undertaken internally by the District. This project was completed November, 2010.

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:
In 1999, the legislature initiated the Statewide Water Planning Process with its appropriation to fund the Bear and Green River Basin Plans. Those plans were completed in January 2001. The 2000 Legislature appropriated funding for the Powder/Tongue River Basins and the Northeast Wyoming River Basins Plans. Those plans were completed in February 2002. The next basin plans undertaken were the Wind/Bighorn and the Snake/Salt River Basins and they were completed in 2003. The Platte River Basin Plan was funded in 2003 and completed in May of 2006. The State Framework Water Plan, which updates the 1973 framework plan and consolidates information from the seven basin plans, was initiated in 2005 and completed in 2007. River Basin Plan updates were initiated in 2007 to continue the planning process. The update of Wind/Bighorn Plan has been recently completed. The Green River Plan update is being finalized.

Groundwater is an important resource in the Wyoming 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. The study includes analysis of groundwater use, storage, and recharge for aquifers within the basin. In June 2009, an agreement was developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System to conduct the study. The study will be completed in 2011.

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

* 67% grant, 33% loan (4%, 40 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 is requesting 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 have been received from both the Central Wyoming Regional Water System and the Natrona County Commissioners.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the New Development Program to Level III status with an appropriation of $1,036,000. The financing plan includes a 67% grant and 33% loan with an interest rate of 4% and a term of 30 years.

106. **PROJECT:** **Powell Airport Water Supply**
LEVEL: I
SPONSOR: City Powell
LOCATION: Park County
PROGRAM: New Development

EXISTING LEGISLATION

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	I	$50,000	2011

PROJECT INFORMATION:
The City of Powell is interested in a water supply for the Powell Municipal Airport and future development. The airport is currently served with a two-inch line that is approximately one-mile long. The water is pumped approximately 400 vertical feet to a 1,000 gallon cistern that serves as the storage for the airport and cattle watering for a nearby ranch. The system lacks the necessary pressure to meet the current needs of the facility, including fire suppression, and one building and eight hangers have no access to water unless it is hauled. In the last two years, the City of Powell has also considered locating an industrial park in the area.

The study identified several water supply alternatives. The preferred alternative is a connection to the Shoshone Municipal Pipeline. The study was completed summer 2010.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

107. **PROJECT:** **Probable Maximum Precipitation Study**
SPONSOR: Wyoming Water Development Office/Wyoming State Engineer's Office
LOCATION: Statewide
PROGRAM: Dam and Reservoir

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 lengths 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.

RECOMMENDED LEGISLATIVE ACTION:
The Wyoming Water Development Commission recommends that the study be incorporated into the Dam and Reservoir Program with an appropriation of $550,000.

108. **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 existing system is inadequate and cannot meet demands during the summer. The district wanted 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.

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 are higher than desirable. The District has decided to screen the well at two levels, blending the higher TDS water at the deeper depth with higher quality and lower yield water at the shallower depth. Construction of the 200,000 gallon concrete storage tank was completed in the fall 2009. Final project completion is scheduled for spring of 2011.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

109. PROJECT: Rawlins Atlantic Rim Pipeline

LEVEL: III
SPONSOR: City 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 III	38	2009	I	$1,350,000*	2014
Level III	68	2010	I	$2,550,000*	2014

*67% grant, 33% loan

PROJECT INFORMATION:

The Rawlins Atlantic Rim Pipeline was identified as a critical component of Rawlins' raw water infrastructure in previous Level II studies. The raw water infrastructure includes the Sage Creek Diversion, the Sage Creek Pipeline, the Miller Well Field, the North Platte Diversion, Thayer Pump Station**,** and North Platte River raw water pipeline. It also includes Peaking Reservoir, which is located near the water treatment plant, and Atlantic Rim Reservoir, which is located above and several miles away from the water treatment plant along State Highway 71. Because of the number of leaks and high maintenance costs, the raw water pipeline that conveys water between Atlantic Rim Reservoir and water treatment plant is recommended for replacement.

In 2009, the sponsor 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 2010, it was decided that the pipeline would become a stand alone construction project and the Legislature approved an additional $2,550,000 for this project. The current Level III project appropriation is $3,900,000. The plans and specifications are presently underway.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

110. 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

*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 may be necessary to construct a drainage system under the liner to ensure the liner is not impacted by the high water table. Therefore, the WWDC is recommending 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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project appropriation be increased from $4,000,000 to $6,600,000 or $2,600,000. The financing plan will remain a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years.

111. 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

PROJECT INFORMATION:
Rawlins Master Plan: The City of Rawlins 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 to reduce water system demands so the current supply and treatment systems can handle future demands. Therefore, the City sought a Level I Master Plan Study of their current supply system to: include an inventory of the existing system, identify needed improvements, evaluate existing and future water needs, and establish a prioritized schedule for improvements. The study 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 City has requested financial assistance to fund an operations study in order to optimize the operation of the water system infrastructure and the various sources of water. Individual elements of the study would include:

1. Identify additional non-potable and non-hydrologically connected water supplies.
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.

3**.** Flow test the Nugget Well field to better estimate long term yield.
4. 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. Analyze the city's water rights.

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

112. PROJECT: Red Lane Master Plan

LEVEL: I
SPONSOR: Red Lane Water and Sewer District
LOCATION: Hot Springs
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	66	2009	II	$65,000	2010

PROJECT INFORMATION
Red Lane is a subdivision located north of Thermopolis on the highway to Worland. There are approximately 65 taps in the Red Lane Water & Sewer District. The population of the district is estimated to be around 250 people. Water is purchased from the Town of Thermopolis and is stored in a 20,000 gallon welded steel water tank on airport property before it is transmitted to the district.

Red Lane's water system is owned by a private company. The owner of the water system is interested in selling it to the district and the district is interested in taking control of their water system. However, the system is 50 years old and maintenance records are not very complete. The district applied for the study to better understand the condition of the water system before they decide on their next course of action. Funding for the master plan was approved by the 2009 legislature.

The Master Plan was completed in the summer of 2010. The results of the study indicated the need to replace much of the system's infrastructure. The sponsor is working to resolve ownership and entity issues and may apply for Level II funding next year.

RECOMMENDED LEGISLATIVE ACTION
No legislative action is required.

113. PROJECT: Reliance 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	66	2009	I	$350,000	2011

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the New Development Program to Level III status with an appropriation of $1,742,000. The financing plan includes a 67% grant. The sponsor is responsible for the remaining 33% of the project budget.

114. PROJECT: Riverton Valley Pipeline Relocation

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	II	$600,000*	2014

* Materials only-87.5% grant, 12.5% loan, sponsor and WYDOT responsible for the remainder of project costs

PROJECT INFORMATION:
The Riverton Valley Irrigation District (RVID) became aware of an impending WYDOT project that was going to cause the relocation of a portion of its irrigation pipeline. The RVID contacted their legislative representatives and requested funds to relocate the pipeline outside of the WYDOT corridor. The 2009 Legislature approved the request.

The RVID signed the necessary agreements with the WWDC and WYDOT. Design was completed and construction started in 2010. The project should be completed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

115. 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 on a portion of the project. The design on the remaining project has been completed and the project should be constructed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

116. PROJECT: Riverton Water Supply

LEVEL: III
SPONSOR: City of Riverton, Incorporated Municipality
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 and construction should begin in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

117. PROJECT: Rolling Hills Master Plan

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. One of the wells is not currently used due to pump failure. The total combined yield of the four remaining wells is 225 gallons per minute. The system has two ground-level storage tanks with a total combined capacity of 340,000 gallons.

This master plan of the Town's water system will help to plan for future growth and determine options for increasing the system capacity. The master plan will address water system mapping, upgrades of the well controls, and rehabilitation options for inactive wells. GIS mapping of the system will be provided. A SCADA system for the well controls will also be considered.

The master plan is underway and will be completed in 2011.

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

118. PROJECT: Shell Canal Tunnel

LEVEL: II
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 request for the Level II Feasibility Study on the Shell Canal Tunnel originated from the Shell Valley Watershed Level I Study which was funded during the 2006 Legislative Session. The Shell Canal Tunnel was built in the early 1900's and is constructed of concrete, but without the use of steel reinforcement. The 561 foot long tunnel carries a maximum flow of 70 cfs during the irrigation season and carries enough water to irrigate approximately 3,500 acres.

The structure was evaluated at a reconnaissance level in the Shell Valley Watershed Level I Study. It was reported that the structure has far outlived its useful design life and the concrete has been deteriorating over time. The floor of the tunnel is cracked and is eroding. Any remaining concrete in the floor has become separated from the walls. Below the water line, the existing walls are also deteriorating. These two conditions allow for seepage losses through the tunnel and also contribute to the continued degradation of the tunnel. The ceiling at the inlet is cracked the entire thickness of the concrete and the ceiling has partially collapsed. The cover over the tunnel has pushed the cracked concrete together and put the concrete into compression which has prevented full collapse of the tunnel. The face of the inlet has failed in some areas, impeding flow through the inlet. The outlet structure is not as bad as the inlet but the wing walls are cracked and the floor and lower walls are eroded. The current Level II study, funded in 2010, is refining the conceptual engineering designs and cost estimates for rehabilitation of the tunnel, and is scheduled to be completed by the end of 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

119. 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	$150,000	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 9,000 acres of irrigated lands within the watershed. The watershed includes the main stem of Shell Creek and its primary tributaries being Trapper Creek, Horse Creek, and Beaver Creek. There are several reservoirs in the watershed, including Leavitt Reservoir, Ewen Reservoir, Lake Adelaide and Shell Reservoirs.

The request for this Level II Storage Feasibility Study originated from the Shell Valley Watershed Level I Study. The Level II study is evaluating storage opportunities capable of providing additional irrigation water in areas not served by existing reservoirs. The study is focusing primarily on hydrologic analysis, potential demands for storage water, and site investigations to determine the most viable storage locations. The study is scheduled to be completed by the end of 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

120. **PROJECT:** **Sheridan/Big Goose Slip Lining**
LEVEL: III
SPONSOR: City of Sheridan
LOCATION: Sheridan County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	121	2007	II	$427,020*	2012

* 33% grant

PROJECT INFORMATION:
In October 2002, a Level II study referred to as the Sheridan Hydropower Study was completed. The study covered several needs within the Big Goose Valley. This project entails rehabilitation (slip-lining) of an existing raw water transmission pipeline between the City's intake facility and the Big Goose Water Treatment Plant, and rehabilitation (slip-lining) of a separate treated water transmission pipeline between the City's North Low reservoirs and Airport reservoirs.

In 2006, there was not enough funding for all applications submitted for rehabilitation projects. As a result, several projects were postponed. This project had a high probability of being postponed. However, the sponsor proposed to the WWDC that this project was critical and that they would be willing to accept a lower percentage of grant funds if the WWDC funded this project.

In 2007, the project received Level III funding with a 33% WWDC grant of $427,020 for the design, permit procurement, project land procurement, construction engineering, and construction of the project. The total project budget is $1,294,000.

The project received favorable bids, and started construction in 2010. The sponsor, engineer and contractor had a positive working relationship and were able accomplish the goals of the project. The project should be finalized in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

121. **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. The project is currently under construction and is anticipated to be completed in early 2011.

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.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

122. 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 Buffalo-Sheridan Area Water System-Lake DeSmet Level I Study recommended that the City of Sheridan, in cooperation with the Sheridan Area Water Supply JPB, apply to the Commission to conduct a Level II study of Gillispie Draw as a potential site for construction of a new dam and reservoir to serve as a supplemental supply.

The Gillispie Draw Reservoir sites are located near Sheridan, Wyoming, approximately ¼ mile from the Sheridan Water Treatment Plant. Anticipated uses for the reservoir include supplemental water to meet municipal/rural domestic demands for water, recreation, including stock watering; and industrial uses. The project would be filled from an existing source (the City's territorial direct flow water right) and runoff from Gillispie Draw.

The City is interested in developing storage of 2,000 acre-feet or more. The engineering scope of services includes reservoir hydrology, analysis of water rights, and a conservation component, which is required for the NEPA review. Furthermore, 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 Level II study will be completed in early 2011. The study concluded that construction of new storage in Gillispie Draw is unwarranted at this time. However, authors of the study recommend that the City and the Sheridan Area Water Supply Joint Powers Board pursue acquisition of existing storage, which is available in Sheridan County, upstream of the Sheridan Area service area.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

123. 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 has begun; however, there has been some difficulty with obtaining easements along the originally proposed pipeline route. Therefore, the pipeline routing had to be changed. This has resulted in delays, so the project should now be under construction in 2011 rather than 2010 as originally anticipated.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

124. 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	38	2009	II	$339,000*	2014

*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 2009, the Shoshone Irrigation District requested funds to replace the concrete entrance and exit portions of the Buck Springs Undershot on the Garland Canal. The sponsor will also replace the concrete lining in the canal at that location. Over the winter of 2009-2010 the sponsor replaced-Drop #22 on the Garland Canal with a new concrete structure and replaced the open ditch on Lateral 11-U with pipe. Financing from WWDC will continue to be used to purchase materials and the sponsor will continue to fund the engineering, land rights, and permits, and provide labor, equipment, and other resources necessary for construction of the project. Construction of the Shoshone Rehabilitation 2009 Project will be completed in 2011.

The Shoshone Rehabilitation 2011 Project is a request for financing to replace two concrete drop structures on the Garland Canal and to replace five ditch segments with about 27,710 feet of buried pipe. Grant financing from WWDC will be used to purchase materials and the sponsor will fund the engineering, land rights, and permits, and will provide labor, equipment, and other resources necessary for construction of the project.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends the Shoshone Rehabilitation 2011 Project be incorporated at Level III status into the Rehabilitation Program with an appropriation of $585,000. The financing plan includes a 100% grant to be used only for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

125. PROJECT: Shoshone Well and Transmission

LEVEL: III
SPONSOR: Eastern Shoshone Tribe
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

* 67% grant and $87,000 loan

PROJECT INFORMATION:
The Fort Washakie water system, operated by the Shoshone Utility Organization (SUO), relied solely upon highly variable (both in quantity and quality) surface water diverted from the Little Wind River. Due to irrigation demands in the summer and natural low flows in the winter, SUO is often unable to divert enough water to meet domestic water needs. High turbidity in the river caused significant problems for SUO, reinforcing the need for a reliable ground water source of domestic water.

In 2004, WWDC funding was acquired to further investigate the feasibility of developing available ground water resources, identify potential drilling sites, estimate drilling budgets, and develop a Master Plan for Shoshone Utilities regarding a ground water supplemented system. Additional funding requested in 2006 accommodated increased test drilling costs, leak detection in the transmission/distribution system, detailed mapping of the system, and exploration of alluvial well sources near the new proposed water treatment plant site. In early 2007, a discovery test well was completed west of Fort Washakie that met the needs of the SUO for a ground water supplementary supply. In 2007, Level III funds were appropriated to connect the well to the water supply system.

The Level III project includes construction, pipeline, materials, and appurtenances necessary for incorporation of the WWDC Shoshone Level II test well into the existing SUO rural water supply system that serves the community of Ft. Washakie and surrounding area. The design was completed in mid 2009 with construction beginning in late in 2009. The construction on the project has been completed and the project will be closed out in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

126. **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	75	2008	II	$405,000*	2012
Level III	38	2009	II	$295,000**	2014

*67% grant, 33% loan, 4% interest, 8 year term.
**100% grant for invoiced materials. The sponsor is responsible for all other project costs. This funding replaces the 2008 appropriation, which had no expenditures.

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 2010-2011. The project will be completed prior to the 2011 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

127. PROJECT: Small Water Project Program

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	14	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*	Whitt-Homestead Pipeline*
East Woody & NW Ireton Wells*	Government Reservoir Water Devel*
Frog Creek Well*	JJ Springs Water Development*
Gordon Well*	Mud Springs/Arch Cr Water Devel*
Hardesty Well*	Downs Solar Pipeline*
Hills Well*	East Pasture-South Pipeline*
Iberlin Bobcat Well*	Lona Solar*
Iberlin Solar Well*	Tracy Solar Systems*
Lower Horse Section 35 Well*	2Coyote-East Pipeline*
M Creek Section 26 Well*	2 Coyote Pipeline*
Neumiller Section 15 Well*	2 Coyote Storage*
Neumiller Upper Meadow Portable Solar*	West Horse Underground Pipeline*
North M Creek*	Tracy Wells*
Rock Well*	Rothleutner Stock Tanks*
South M Creek*	Upper Antelope-Coal Bank Pipeline*
Riehle Well*	
Rochelle Hills Spring Development*	
Rothleutner Solar Well*	
West Railroad Well*	

Following is a listing of projects approved in 2008:

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

Following is a listing of projects approved in 2009:

Account I – New Development	Account II – Rehabilitation
Arkansas Creek Stockwater Pipeline*	Jesse Brown Ditch Diversion*

Dickie 21/Bear Cr./Urwin 21 Pipeline
Grass Creek Divide
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
Littlejohn Ditch Turnout
Sawmill Creek Headgate*

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
M Creek Pipeline	Kirby Ditch Headgate
West Spring Gulch Pipeline	Lower Antelope South Pipeline
	North M Creek 14-1 Well

*Projects completed or expired as of 12/31/10

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

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

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 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 will

be developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System, to conduct the study. The study will be completed in 2012.

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.

129. PROJECT: South Circle Estates Water Supply

LEVEL: Level I
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

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 suffered from pressure problems. 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.

The district requested a study from the 2008 legislature to analyze their system and determine what improvements are necessary. A recent water sample taken from the districts well as a part of the Level I study has shown an elevated level of radionuclides. As a result of the water quality analysis, the district requested additional funding in 2010 to focus on a connection to the Town of Ten Sleep.

The analysis on the Ten Sleep Connection alternative has been completed. It reinforced that connecting to Ten Sleep's water supply system is the best alternative for the district. The project consists of the construction of a 4,000 lineal foot pipeline. The pipeline will serve only the domestic water supply demands of South Circle Estates.

Concurrently, the Town of Ten Sleep is requesting funding for the construction of a tank and transmission lines for their municipal system. Ten Sleep and South Circle have worked together to design projects that will work for both entities. For additional information, please refer to the Ten Sleep Storage Tank Project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced in the New Development Program to Level III status with an appropriation of $480,000. The financing plan include includes a 67% grant and 33% loan with an interest rate of 4% and a term of 30 years.

130. 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.

Presently, the city is seeking federal funding to replace the 33% loan offered by the Wyoming Water Development Program.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

131. PROJECT: South Thermopolis Water Supply

LEVEL: III
SPONSOR: South Thermopolis Water & Sewer District
LOCATION: Hot Springs County
PROGRAM: Rehabilitation

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*	2010

*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.

The legislature appropriated a $2,117,200 grant for 67% of the project eligible costs. The District is currently applying for the remaining 33% funding from other sources.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

132. 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 will include the technical and financial analyses of alternatives to

include: 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 2010 Legislature allowed the existing Level III appropriation to revert back to water development account I on July 1, 2010 and a new appropriation of $175,000 was granted under the New Development Program for Level II feasibility study.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

133. 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, is experiencing rapid growth and is seeking 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 is $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 is scheduled to be completed during 2011 and 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

134. 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

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 for the state. 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 and the website should be updateable.

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. Products of the Statewide Water Planning Process are published on the Water Planning website at: http://waterplan.state.wy.us.

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. A web based presentation tool was also prepared as part of the Framework Water Plan and is presented on the water planning web page.

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 this second round of planning. The Green River Basin Plan update was initiated in 2007 and is nearing completion.

The Wind/Bighorn Basin Plan update was begun in June of 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 is complete and the groundwater report should be completed in early 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).

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 review and evaluation 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 $250,000 to conduct a groundwater resources analysis for the Snake/Salt River Basin. This study will help define the basin aquifers and the groundwater quantity and quality available. (See the Snake/Salt River Basin – Groundwater Analysis for details).

135. 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

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 2010 research projects are listed below:

- A critical review and summary of the scientific knowledge base regarding several water quality elements for livestock and wildlife species in Wyoming is being conducted.
- The signature of glaciogenic seeding of orographic clouds is being studied with the University of Wyoming King Air research aircraft using cloud radar and lidar measurements.
- The extent of open water, frazil, and anchor ice is being delineated and water temperatures and heat fluxes are being measured along open-water reaches of CBM heat-impacted streams in the Powder River Basin.
- As a step toward more effective algae treatment strategies for Wyoming lakes, algae/ cyanobacteria species responsible for blooms, and the role of bloom-associated bacteria are being characterized.

- Baseline data for how the terrestrial organisms of a stream may or may not be influenced by CBNG development is being collected.
- An examination of opportunities and constraints under Wyoming law to facilitate voluntary reductions in water diversions is being conducted.
- A study is being conducted to predict the potential of contaminant leaching during aquifer injection and water recovery.
- GIS-based tools and high-resolution mapping for consumptive water use for the State of Wyoming are being developed.
- Procedures for treatment of high sulfate waters and the impacts on livestock production are being investigated.
- Green and Bighorn basin lakes are being surveyed using subsurface radar, sediment core, and hydroclimatic analyses to evaluate the potential for extreme droughts.
- The impact of the outbreak of bark beetles in the Rocky Mountain Region on water yields is being investigated on short to long time scales.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that $300,000 be appropriated from Water Development Account I for the 2011 statewide water research projects.

136. 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

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.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that additional studies be completed within the Dam and Reservoir Division with an additional appropriation of $325,000.

137. PROJECT: Sundance Meadows Water Supply

LEVEL: III
SPONSOR: Sundance Meadows Water District
LOCATION: Converse County
PROGRAM: New Development

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	99	2006	I	$50,000	2008
Level III	121	2007	I	$332,287*	2012

* 67% grant

PROJECT INFORMATION:

The Sundance Meadows subdivision is located southwest of Douglas. All of the residents currently have private wells, though the water produced is barely palatable. Residents complain of methane and sulphur in the water. Most residents use home water treatment units to improve the quality of their water. Some residents have drilled between five and nine times on their property looking for an adequate water source.

In April 2004, Sundance Meadows residents acquired services to perform a hydrogeologic study of their area to identify potential target aquifers and the feasibility of drilling a successful new well to serve the area. The effort concluded that a drilling program would require drilling test wells on several lots within the subdivision.

In September 2006, a Level II study was completed to determine the costs of constructing a transmission line and distribution system for Sundance Meadows to be served as a wholesale customer by the City of Douglas. This was determined to be the most feasible water supply option. Level III funds were appropriated during the 2007 Session. The project is currently under construction and is scheduled to be completed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

138. 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

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 three of the areas on behalf of a participating landowner community. By late fall of 2010, 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, has 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, would 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, it is requested there be additional funding appropriated to complete this study. The entire Level I report is anticipated to be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends an additional appropriation of $100,000 from the New Development program to expand this Level I watershed study.

139. PROJECT: Ten Sleep Storage Tank

LEVEL: New Application
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

PROJECT INFORMATION:
The Town of Ten Sleep receives its water from two flowing artesian wells. A Level II study completed in 2004 recommended that the town construct a tank to help meet peak day demands and fire flows. Since the Level II studies completion the town has been working on the recommended improvements by installing water meters and replacing leaking distribution lines.

The Town of Ten Sleep is requesting funding for the construction of a 300,000 gallon tank and transmission lines to connect the tank to the distribution system. The tank will provide pressure equalization within the system and provide adequate flow rates for fire defense. The storage tank will also allow for system expansion, such as providing water to South Circle Estates and other regional water needs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status with an appropriation of $1,540,000. The financing plan calls for a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years.

140. 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 was issued by the U.S. Forest Service (USFS) in March 2010 which allows 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. Completion of the storage tank is anticipated to be completed prior to the start of the 2011 ski season.

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

141. 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 evaluations are now considering the increased water supply that is a result of Thayne purchasing the water rights that belonged to the cheese factory. This evaluation is important because the increased flow, and upgrade of their pump station, could eliminate the need for new storage.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

142. 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*	012

* 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 have not gone well. 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 design of the project is complete. However, the town is experiencing difficulties with obtaining easements. Construction should be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

143. PROJECT: Thunder Basin Watershed

LEVEL:	I
SPONSOR:	Thunder Basin Grazing Association
LOCATION:	Campbell, Converse, Niobrara and Weston County
PROGRAM:	Dam and Reservoir

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level I	33	2008	III	$300,000	2010

PROJECT INFORMATION:
The Upper Cheyenne, Antelope Creek and Dry Fork drainages and their tributaries are comprised of approximately 1.9 million acres with land ownership divided among private (63%), federal (30%), and state (7%). These drainages are primary tributaries to the Cheyenne River system.

The Thunder Basin Grazing Association (sponsor), on behalf of the landowner community within the watershed and in cooperation with local Conservation Districts and the Thunder Basin Grasslands Prairie Ecosystem Association, requested a watershed study to evaluate surface and ground water availability. Of primary interest is the lack of developed upland livestock and wildlife water within the drainage and the potential to develop and enhance additional irrigation water storage. A mapped inventory and assessment will provide the tools necessary to create a rehabilitation plan which will allow for a systematic approach to implementation of water development opportunities.

This study developed an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information

will be incorporated into a rehabilitation and management plan complete with cost estimates for potential future project activities. The final report for this study is completed and the contract closed in 2010.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

144. PROJECT: Thunder Basin Watershed II

LEVEL: I
SPONSOR: Thunder Basin Grazing Association
LOCATION: Converse and Niobrara County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Thunder Basin Grazing Association requested a watershed study to evaluate current watershed function, current condition of wetland and riparian areas within the drainage, and to develop a geomorphic classification. The Lower Cheyenne River drainage and tributaries, including Box, Cow, Crazy Woman, Dry, Lance, Lightning, Old Woman, Twentymile and Walker Creeks, are comprised of approximately 1.6 million acres with land ownership divided among private (86%), federal (6%), and state (8%).

The Thunder Basin Grazing Association (sponsor), on behalf of the landowner community within the watershed and in cooperation with local Conservation Districts and the Thunder Basin Grasslands Prairie Ecosystem Association, requested an extension of the watershed study completed previously to evaluate surface and ground water availability in the remainder of the watershed. Of primary interest is the lack of developed upland livestock and wildlife water within the drainage and the potential to develop and enhance additional irrigation water storage. A mapped inventory and assessment will provide the tools necessary to create a rehabilitation plan which will allow for a systematic approach to implementation of water development opportunities.

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 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

145. 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 production increased to approximately 600 gpm. There was a sudden increase of iron bacteria in the well. The presence of iron bacteria resulted in discolored water that also smelled. 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 project is a 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 anticipates the project will be completed in 2011**.**

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

146. 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 by the end of 2010.

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.

147. PROJECT: Wamsutter Well

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

EXISTING LEGISLATION:

Purpose	Chapter	Session	Account	Appropriation	Due Date
Level III	38	2009	I	$542,700*	2014

* 67% grant

PROJECT INFORMATION:
Presently, the Town of Wamsutter relies on 3 old wells (1900-1920 vintage, Union Pacific RR steam engine supply wells) and one "new" well, Well #8 completed in 1984 but only

recently placed into service. Construction of an elevated 400,000 gallon storage tank augments the old 350,000 gallon railroad tank, but planning strategy dictates abandonment of the old wells and tank in favor a new, three-well source supply to complement the new tank.

The Town sought Level III construction funds to acquire a recently abandoned man-camp supply well from British Petroleum Corporation [BP] and build transmission facilities for connecting the well to the Town's system. The well was drilled in 2006 for the ESS man-camp and is an EPA approved Public Water Supply (ID #WY5601589) well. The well was tested under the WWDC Level II evaluation of the Town's water supply. The testing revealed the well could produce approximately 180 gpm on a consistent basis with acceptable water quality.

The BP well will augment or replace one of the existing Wamsutter Wells without causing interference with the other existing wells. With the addition of the BP Well and the new well drilled under the WWDC Level II study, the Town could reach the goal of feasibly converting from its old source supply/storage components and meet future demands of the community.

Construction will be completed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

148. 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. Design of the project is proceeding well. Construction is anticipated during 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

149. PROJECT: Wardwell Water Supply Improvements

LEVEL: III
SPONSOR: Wardwell Water and Sewer District
LOCATION: Natrona County
PROGRAM: New Construction

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*	2011

*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 has resulted in 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 of this project has been constructed. The second phase is under design and should be constructed in 2011.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the reversion date of the project appropriation be extended from 2011 to 2013 to allow for the completion of the project.

150. PROJECT: Weather Modification – Medicine Bow/Sierra Madre and Wind River Ranges

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: 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 5-year 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 5-year 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 5-year 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 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. A permit for ground-based seeding operations over this target area has 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". A permit for ground-based seeding operations over this target area has been issued by the Wyoming State Engineer's Office.

Seeding operations over both target areas commences November 15th each year of the study and runs through April 15th. 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 2010/11. Additional coordinated research efforts (externally funded) between scientists at the National Center for Atmospheric Research, Weather Modification, Inc. and the UW Department of Atmospheric Science, will be ongoing. (During February 2009, UW researchers used the Wyoming King Air and Cloud Radar to detect microphysical changes in cloud structure due to seeding operations over the Medicine Bow Range. The data from those efforts are still being poured over by atmospheric scientists at UW, but have already resulted in the first peer-reviewed article on weather modification published in the Journal of Atmospheric Science in more than a decade.)

Following implementation of a peer-reviewed experimental design, completion of environmental permitting and the full deployment of resources, the current study is building on a successful winter 2009-10 operational season with optimized (and season lengthened) ground-based operations for the remaining winters under the program. That being said, while the initial results of the study are encouraging and trending positive, the challenge remains in acquiring enough data to achieve statistical significance under the randomized program such that an accurate evaluation of the program's effectiveness can be determined with a high degree of confidence. Recognizing this need, the 2010 Wyoming State Legislature funded a two year extension of the current operations and evaluation activities associated with the study, which will increase the number of seeding events realized, thus furthering an accurate quantification of seeding impacts in the target areas.

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

151. PROJECT: Westside Irrigation NEPA Analysis

LEVEL: I
SPONSOR: Westside Irrigation District
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 has since 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 has been appraised and the requirements of the National Environmental Policy Act (NEPA) process have 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 has been ongoing since 2004, with the Draft Environmental Impact Statement document completed December, 2007 and a 45-day comment period having taken place. During 2008, 2009, and 2010 the responses to the draft EIS comments were completed, the cultural resources report was finalized, and the mitigation plan prepared. While cultural mitigation issues have dominated NEPA analyses efforts this past year, it is expected that the final EIS document will be issued by the BLM during the first quarter of 2011. The BLM Record of Decision, with respect to the transfer and sale of the land to the Westside Irrigation District, will then follow the release of this Westside Land Conveyance Project EIS Final Report and the federally mandated 30-day review period.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

152. PROJECT: Wheatland Master Plan

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Town of Wheatland currently has eight wells capable of producing in the range of 300 to 550 gpm per well, including their recently completed Black Mountain Well No. 3. Their average water usage is 360 gpcd, which is well above the state average of 260 gpcd. In addition, their monthly water bill for 20,000 gallons of water is $10.85, well below the state average of about $38.67 for 20,000 gallons.

The master plan makes recommendations regarding establishment of appropriate water rates as a means to reduce per capita use. The plan also provides an inventory of the water supply system and identifies and prioritizes potential improvements. The master is presently being finalized.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

153. PROJECT: Wheatland Rehabilitation 2011

LEVEL: I
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

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 is requesting funding for a number of needed improvements to their system as identified in the recently completed master plan. The projects include: Canon Canal Headgate and Diversion replacement, Upper Lateral No. 1 Replacement, Deadhead Creek Wasteway Replacement, Deadhead Wasteway Automation, and Base Station Automation.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the Rehabilitation Program to Level III status with an appropriation of $723,600 as a 67% grant. The sponsor will be responsible for financing the remaining 33% of the project costs.

154. PROJECT: Willwood Dam Rehabilitation Phase I

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

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 the project be advanced to Level III status in the Rehabilitation Program with an appropriation of $210,000. The financing plan includes 67% grant and 33% loan with a 4% interest rate and a 30 year term. The funding is to be used for design, permitting, land rights and related preliminary activities. Construction funding will need to be provided after this phase of the project is completed.

155. 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

*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. In 2010, the District looked at several pipeline options for Lateral 84. The option selected involves a longer pipeline than originally envisioned. The longer pipeline will provide more efficient use of water and reduce annual maintenance. Therefore, the sponsor is requesting an additional $754,000 of grant funds to purchase invoiced materials to pipe the entire lateral. The sponsor will be 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 an independent portion of the project will be constructed prior to the 2011 irrigation season. The project should be completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Level III appropriation be increased from $746,000 to $1,500,000 or $754,000. 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.

156. 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 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 Green River Plan update is nearing completion. The Platte River Plan Groundwater update is underway.

The surface water portion of the Wind/Bighorn River Plan update was completed in 2010. 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, to conduct a groundwater resources evaluation in the basin. Work on the groundwater evaluation began in June 2008 and will be completed in early 2011.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

157. 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 to spend over the next three years. These funds will be 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 has started. The construction is scheduled to be completed by the 2011 irrigation season.

The Board is currently finalizing work to select engineers for the rest of the project. The Board is proposing to break the work into four projects and to have the design and construction for all of the projects to occur simultaneously. The Board feels that this will give multiple engineering firms and construction companies the opportunity to participate in the project. Once the designs are completed, the project will move to construction.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

158. 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 initiated and are ongoing. Construction is now expected to be completed in 2011.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

159. PROJECT: Wright Water Supply 2011-Phase I

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 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 Level I master plan identified the need for an additional groundwater supply. In 2010, funding was provided for construction of one new deep well into the Fort Union Formation. This well is presently under construction.

It is recommended that a phased Level III process be implemented. Phase I of the project would include the design and permitting for connection of the Level II well and design, permitting, and construction of a new telemetry system and re-configuration of the piping at the existing R-J3 well. Phase II will include the construction of the facilities necessary to connect the Level II well to the existing water supply system.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the project be advanced in the New Development Program to Level III status with an appropriation of $737,000. The recommended financing plan includes a 67% grant with the sponsor being responsible for 33% of the project budget.

160. 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 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 Wright Water And Sewer District requested a Level I Master Plan to include system modeling and an evaluation of their current water system including expanded service areas, water supply source, water storage, population projections, water rate analysis, leak detection and cost estimates. Planning is necessitated by growth due to regional energy development. The final report for this study is completed and the contract was closed in 2010.

The master plan concluded that the Town will periodically need additional wells to meet projected demands. In addition, the plan identified the future need for construction of a well house with disinfection equipment, a 1.0-million gallon storage tank, and transmission pipeline to connect the new tank to the existing distribution system.

In 2010, funding was provided for construction of one new deep well into the Fort Union Formation. This well is presently under construction.

RECOMMENDED LEGISLATIVE ACTION:
See Wright Water Supply 2011-Phase I

161. PROJECT: Yoder Ground Water

LEVEL: II
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

PROJECT INFORMATION:
The Town of Yoder is a small farming community located in Goshen County, approximately 12 miles southwest of Torrington on State HWY 152. With the support of the WWDC Ground Water Exploration Grant Program and Level III appropriations (1986, 1987, 1990, and 1991, respectively), the Town of Yoder established a well field and constructed a transmission line. The Town requested the 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. The testing and evaluation of the new well is underway and will determine the feasibility of using it for a municipal supply. Initial results appear promising.

RECOMMENDED LEGISLATIVE ACTION:
See Yoder Water Supply Project

162. **PROJECT:** **Yoder Water Supply**
LEVEL: II
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

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. The testing and evaluation of the new production well is underway and should be completed by the end of 2010. As initial results look good and the Town needs water, the WWDC is recommending Level III funding to connect the well to the water supply system.

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 $180,000. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 20 years.

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 Valley & Crossed Arrows Improvement District Water Supply
8. Black Willow Water Supply
9. Boulter Lake Enlargement
10. Bridger Valley Level II Reservoir Project
11. Bridger Valley Water Supply
12. Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan
13. Burns Water Supply
14. Canyon/Newcastle Area Water Supply
15. Casper Alcova Rehabilitation, GIS
16. CBM Aquifer Storage and Retrieval
17. Cheyenne Hydro Power
18. Cheyenne/Laramie County Water Service Area
19. Clearmont CBM Impact
20. Cody Canal Irrigation District Hydropower
21. Cody Canal Rehab., GIS
22. Cody Master Plan
23. Cokeville Reservoir
24. Corner Mountain Test Well
25. Cottonwood/Grass Creek Watershed Management Plan
26. Crook County Reservoirs and Water Management
27. Crow Creek Groundwater Recharge
28. Crowheart Area/Dinwoody Canal System
29. Dayton Raw Water Irrigation
30 Deer Creek Dam and Reservoir
31. Dixon Water Supply
32. Douglas Ground Water
33. Douglas Master Plan
34. Dubois Regional Water Supply
35. Eight Mile-High Plains Well
36. Encampment/Sierra Madre Water Supply
37. Enterprise Conservation Program
38. Evansville Master Plan
39. Fort Laramie Water Supply
40. Frannie Raw Water
41. Frannie Well Rehabilitation
42. Goshen Irrigation District Master Plan 2006
43. Goshen Re-regulating Reservoir
44. Granger Water Supply
45. Green River Groundwater Recharge and Alternate Storage

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

99. SEO/Lusk Area Ground Water
100. Shell Valley Watershed Management Plan
101. Sheridan/Veterans Affairs Medical Center (VAMC) Water Supply Study
102. Shoshone ID Rehabilitation, GIS
103. Smith's Fork Dam
104. South Circle Master Plan
105. South Garden Creek Water Supply
106. Star Valley Ranch Water Supply
107. Star Valley Regional Master Plan
108. State Stream Gage System
109. Sweetwater Water Supply
110. Tensleep/Hyattville Master Plan
111. Tensleep Water Supply
112. Thermopolis Storage and Raw Water
113. Three Horses Watershed Study
114. Upper Green River Westside Storage
115. Upper Wind River Storage
116. Wagner Cherokee Irrigation Rehabilitation
117. Wamsutter Well 2010
118. Washakie County Safety
119. Weather Modification – Salt River and Wyoming Ranges
120. Wheatland ID Master Plan
121. Wheatland ID System Phase II
122. Willwood ID Rehabilitation, GIS
123. Wind River Glaciers
124. Worland Area Irrigated Lands GIS
125. Worland Eastside Transmission Line
126. Worland Wells Test
127. Wright Master Plan
128. 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: **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

07. 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

08. 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

09. 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

10. 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

11. 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

12. 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

13. PROJECT: **Baggs Water Supply**

SPONSOR:	Town of Baggs
LOCATION:	Carbon County
PROGRAM:	Rehabilitation
APPROPRIATION:	$92,000 & $28,000 = $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
14.	**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
15.	**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. Lamax Construction, Inc.
	YEAR COMPLETED:	1995-2006
	SESSION LAW YEAR:	1995, 1996, 1998, & 2003
16.	**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
17.	**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
18.	**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
19.	**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
20.	**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

21. 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

22. 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

23. 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

24. 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
25.	**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
26.	**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
27.	**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 Construction Transmission line – SCI, Inc.
	YEAR COMPLETED:	Intake/diversion structure – 2003 Transmission line – 2003 Storage tank - 2004
	SESSION YEAR LAW:	2001 and 2002
28.	**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

29. 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

30. 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

31. 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

32. 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

33. 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

34. 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

35. 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 Pipeline: Western Municipal Construction
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2003, 2005, 2006

36. 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

37. 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

38. 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

39. 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

40. 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

41. 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

42. 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

43. 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

44. 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

45. 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

46. 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

47. 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

48. 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 Hedquist Construction, Inc.

YEAR COMPLETED:	2007
SESSION LAW YEAR:	2002

49. **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.
YEAR COMPLETED:	2008
SESSION LAW YEAR:	2005

50. **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

51. **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

52. **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

53. **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

54. **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

55. **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

56. **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

57. PROJECT: **Cheyenne South Crow Dam Water Supply Rehabilitation Project**

SPONSOR:	City of Cheyenne
LOCATION:	Laramie County
PROGRAM:	Rehabilitation
APPROPRIATION:	$35,000 + $715,000 = $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

58. 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

59. 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

60. 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

61. 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

62. 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

63. 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

64. 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

65. 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

66. 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

67. 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

68. 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
69.	**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
70.	**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
71.	**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
72.	**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

73. 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

74. 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

75. 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
CONTRACTOR: Western Municipal
Hofer Building
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2001 and 2002

76. 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

77. 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

78. 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

79. 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

80. 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

81. 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

82. 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

83. 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

84. **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

85. **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

86. **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

87. **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

88. 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

89. 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

90. PROJECT: **Encampment Raw Water Line**

SPONSOR:	Town of Encampment
LOCATION:	Carbon County
PROGRAM:	Rehabilitation
APPROPRIATION:	$60,000 & $340,000 = $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

91. 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

92. **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

93. **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

94. **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

95. **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

96. **PROJECT:** **Evansville Elkhorn Creek Water Supply**
SPONSOR: Town of Evansville
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $50,000

ACTUAL EXPENDITURES:
DESCRIPTION: Infiltration gallery and monitoring facility
ENGINEER: Hibsman Associates; Casper, Wyoming
YEAR COMPLETED: 2000
SESSION LAW YEAR: 1996

97. 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

98. 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

99. 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

100. 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

101. 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

102. 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

103. 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

104. 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

105. 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

106. 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

107. 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

108. 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

109. 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

110. 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

111. 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

112. 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

113. 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

114. 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

115. 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

116. 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.
YEAR COMPLETED:	2007
SESSION LAW YEAR:	2004

117. 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

118. 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

119. 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

120. 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

121. 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

122. 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

123. 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

124. 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

125. 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

126. 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

127. 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

128. 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

129. 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

130. 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

131. 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

132. 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

133.	**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

134.	**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

135.	**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

136.	**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

137. 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

138. 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

139. 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

140. 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
141.	**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
142.	**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
143.	**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

144. 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

145. 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

146. 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

147. 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

148. 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

149. 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

150. 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

151. 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

152. 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

153. 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

154. 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

155. 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

156. 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

157. 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

158. 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

159. 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

160. 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

161. 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
Timberline Excavating
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2004

162. 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

163. 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

164. 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

165. 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

166. 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

167. 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

168. 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

169. **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 and Aslan Construction
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2002

170. **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
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2000, 2001, 2002

171. 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

172. **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: 1988

173. 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

174. 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

175. 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

176. 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

177. 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

178. 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

179. 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

180. 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

181. 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

182. 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

183. 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

184. 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

185. 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

186. 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

187. 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

188. 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

189. 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

190. 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

191. 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

192. 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

193. 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

194. 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

195. 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

196. 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

197. 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

198. 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

199. 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

200. 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

201. 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

202. 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: February 2003
SESSION LAW: 2000

203. 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

204. 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

205. 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

206. 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

207. 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

208. 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

209. 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

210. 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

211. 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

212. 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

213. 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

214. 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

215. 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

216. 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

217. 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

218. 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

219. 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

220. 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

221. 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

222. 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

223. 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

224. 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

225. 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

226. 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

227. 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

228. 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

229. 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

230. 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

231. 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

232. 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

233. 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

234. 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

235. 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

236. 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

237. 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

238. 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

239. 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

240. 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
YEAR COMPLETED:	2000
SESSION LAW YEAR:	1996, 1999

241. 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

242. 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
243.	**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
244.	**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
245.	**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

246. 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
CONTRACTOR: Hawley, Inc., Torrington, Wyoming
DATE COMPLETED: 2003
SESSION LAW YEAR: 2000

247. 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

248. 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

249. 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

250. 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
SESSION LAW YEAR: 1987

251. 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

252. 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

253. 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

254. 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

255. 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

256. 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

257. 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
258.	**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
259.	**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
260.	**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
261.	**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
262.	**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
263.	**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

264. 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

265. 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

266. 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

267. 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

268. 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

269. 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

270. 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

271. 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

272. 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

273. 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

274. 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

275. 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

276. 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

277. **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

278. **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

279. **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

280. **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

281. 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

282. 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

283. 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

284. 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

285. PROJECT: **Torrington Raw Water**

SPONSOR:	City of Torrington
LOCATION:	Goshen County

PROGRAM: New Development
APPROPRIATION: $96,000
ACTUAL EXPENDITURES: $96,000
DESCRIPTION: Two irrigation wells, pumps, pipelines, controls
ENGINEER: Baker & Associates, Inc., Scottsbluff, Nebraska
CONTRACTOR: Scott & Son, Inc., Torrington, Wyoming
YEAR COMPLETED: 2004
SESSION LAW YEAR: 2002

286. 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

287. 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

288. 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

289. 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

290. 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

291. 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

292. 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

293. 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

294. 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

295. 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

296. 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
297.	**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
298.	**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
299.	**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
300.	**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

301. 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

302. 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

303. 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

304. 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

305. 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

306. 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

307. 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

308. 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

309. 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

310. 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

311. 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

312. 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