# 2013
# LEGISLATIVE REPORT

**UPPER ROCK CREEK RESERVOIR**

# WYOMING WATER DEVELOPMENT COMMISSION

**2013 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 River Basin.

Water availability is a key ingredient for development of a stable Wyoming economy. Implementation of water management opportunities provides short-term economic benefits to the state in the form of jobs, increased material and equipment sales, improved recreational and hunting and fishing opportunities, and other indirect benefits to local and state economies.

## A. Water Resource Development

In 1977, the revenue sources that fund the New Development Program were established. In 1982, the governor proposed and the legislature implemented the framework for the present Water Development Program. In 1983, the revenue streams that fund the Rehabilitation Program were established. Since 1983 the program's water resource management activities have evolved to the following:

### 1. New Development Program

The New Development Program provides planning services and construction funds for the infrastructure necessary to supply unused and/or unappropriated water to meet the present and future needs of Wyoming and its citizens. Water supply and storage facilities such as dams, diversion structures, groundwater wells and transmission pipelines are eligible for assistance under the New Development Program. The New Development Program is dedicated to the efficient and timely management of water resources, consistent with state policy, Wyoming water laws, and the desires of the citizens of the state. The criteria for scheduling new development projects is based on the general philosophy that effective beneficial use of Wyoming's water will ensure its preservation for use by Wyoming residents.

A project sponsor may be a municipality, irrigation district, or other approved assessment district that is a major beneficiary of the project. Sponsors request project specific technical and financial assistance from the Wyoming Water Development Commission through the application process. If the Commission approves the application, the project is assigned a study level. If the project is determined to be technically and economically feasible and comports with program funding criteria, the Commission may recommend that construction funding be appropriated by the legislature. The project sponsor must be willing and capable of financially supporting a percentage of the project development costs plus all operation and maintenance costs. The actual loan/grant mix is based on WWDC funding criteria.

### 2. Rehabilitation Program

The Rehabilitation Program provides funding assistance for the improvement of water projects completed and in use for at least fifteen (15) years. Improvements to ensure dam safety, decrease operation and maintenance costs, promote water conservation, or provide a more efficient means of using existing water supplies may be funded by the Rehabilitation Program. The program ensures that existing water supplies and supply systems remain effective and viable.

Rehabilitation projects are initiated by an application from a project sponsor. If the application is deemed feasible and approved, the project is assigned a study level and can proceed through construction. The project sponsor must be willing and capable of financially supporting all operation and maintenance costs and a percentage of the project rehabilitation costs. The actual loan/grant mix is based on WWDC funding criteria.

3. Dam and Reservoir Program

In 2005, the legislature authorized funding for a new program within the Wyoming Water Development Office. The purpose of the program is to concentrate on the identification, evaluation, permitting, and construction of new dams with a storage capacity of 2,000 acre feet or more and proposed expansions of existing dams of 1,000 acre-feet or more.

The Dam and Reservoir Division, within the Wyoming Water Development Office, administers this program. The division also serves to assist the Director in the management of the state's water investments.

B. Water Resource Management and Planning

1. Water Investment Management

The Wyoming Water Development Office (WWDO), through the Commission, manages the state's water investments. Debt service accounts have been established to ensure that the state's operation, maintenance, replacement and contract obligations can be met in an effective and timely manner. The WWDO markets the water made available by these investments to industries, municipalities, and irrigators. Any revenues received from these investments are deposited into the respective debt service account. The state's water investments include the following:

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

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

2. Instream Flow

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

a. W.S. 41-3-1004 assigns the Commission the responsibility to prepare feasibility reports for all instream flow permit applications. The reports are hydrological analyses of the water availability in the reach of the stream to which the applications apply. The analyses also quantify existing water rights above and within these stream segments.

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

To date, 123 instream flow filings have been proposed by the Wyoming Game and Fish Department, and 3 instream flow filings have been petitioned by the Wyoming Board of Control. Out of these, 85 have obtained permits from the State Engineer's Office (SEO), 18 remain under review by the SEO, 14 are in preliminary application stages, and 9 have been adjudicated by the Wyoming Board of Control.

3. Water Related Research

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

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

4. Basin Wide Planning

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

5. Groundwater Grant Program

The 1981 Session of the Wyoming Legislature enacted W.S. 41-2-119 which authorized the Groundwater Grant Program. To date, seven million dollars has been appropriated from Water Development Account No. I to the Program. These funds were to be utilized for feasibility studies and exploration programs to evaluate the potential use of underground water. Municipalities, water and sewer districts, and service and improvement district area are eligible to receive up to $400,000 in state funds as a grant but are required to provide 25% of total project costs in local matching funds. As of December 31, 2011, over 40 entities had received assistance from the program.

6. Small Water Project Program

During the 2003 session, the legislature removed the pilot status of the program and authorized funding for the construction and rehabilitation of the "small projects" throughout the state. Water Development Program funding is limited to fifty percent (50%) of the actual construction costs or a maximum grant of twenty-five thousand dollars ($25,000) per project, whichever is less. The WWDC was given the responsibility for developing program criteria and the authority to fund these small water projects.

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

During the 2012 Legislative session, the program was extended to July 1, 2014. The Wyoming Water Development Commission and Legislative Select Water Oversight Committee approved new criteria for the Small Water Project Program. New applications are annually reviewed by the Commission at its March meeting.

## III. Program Funding

A. Water Development Account No. I

The New Development Program is funded by Water Development Account No. I [W.S. 41-2-124(a)(I)] which has received direct appropriations from the general fund and budget reserve account, receives revenues from the severance tax distribution account, and receives the accrued interest on the account's unspent balance. Legislative approval must be granted prior to allocating water development account funds to a particular project. Income from the tax and interest and payments for outstanding loans ranges from $26,000,000 to $28,000,000 per year. The WWDC is committed to phase or delay projects to ensure its recommendations do not result in overruns of the account.

Water Development Account No. I also funds the following:

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

2. Water Resource Data System-The WWDO funds the UW Water Resource Data System through the agency budget at a cost of approximately $805,000 per biennium.

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

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

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

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

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

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

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

10. Other-The Wyoming Legislature has periodically appropriated funds from the water development accounts to fund the operation of state government, special projects, and litigation. As of June 2012, $189,742,872 has been expended from Water Development Account No. I for non-project purposes. In addition, through executive order by the Governor, the interest income to be received by the accounts was diverted to the general fund for three years, which impacted the accounts by approximately $41,284,873.

B. Water Development Account No. II

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

Water Development Account No. II also funds the following:

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

2. Other-As of June 2012, $12,021,100 has been expended from Water Development Account No. II for non-project purposes.

C. Water Development Account No. III

The 2005 Legislature created Water Development Account No. III, appropriated $10,000,000 from the Budget Reserve Account, and transferred $54,070,000 from Water Account No. I to Water Account No. III. In addition, the account receives revenues from the severance tax distribution account and the interest accrued on the account's unspent balance. Legislative approval must be granted prior to allocating water development account funds to a particular project. Income from the tax and interest is approximately $3,000,000 per year.

## IV. Program Operations

The State Engineer's Office of Water Planning Program originally staffed the Interdepartmental Water Conference, which was the predecessor to the Wyoming Water Development Commission and Office. In 1979, the Wyoming Water Development Commission was formed and an independent staff was developed. The Commission was created to streamline the administration of the program and make it more effective.

The statutory authority for the Wyoming Water Development Program is vested with the ten-member Wyoming Water Development Commission (WWDC), which meets 5 to 7 times per year. The program is administered through the Wyoming Water Development Office (WWDO), which includes a director and 25 staff members. Over the past five years, the commission and staff have overseen and administered project expenditures averaging approximately $30 million dollars per year.

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

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

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

The WWDC contracts with private sector consultants for the preparation of river basin plans and project technical studies, such as Level I Reconnaissance Studies and Level II Feasibility Studies. Further, the WWDC contracts with the project sponsors who serve as the lead entity during the Level III Construction process. The project sponsors use private sector consultants for preparation of project plans and specifications. They are also required to solicit bids from private contractors for project construction.

While the statutes pertaining to the Wyoming Water Development Program provide guidance and the framework for the program, they were intentionally meant to be very broad. The Wyoming Water Development Commission is responsible for developing the priorities, guidelines, and criteria for the program. The "Operating Criteria of the Wyoming Water Development Program" has been developed by the WWDC in consultation with the Legislative Select Water Committee. The criteria are reviewed on an annual basis to ensure it directs the program in an efficient and effective manner, and continues to address the needs of Wyoming in a manner consistent with available program resources.

## V. Program Evolution

The following is a breakdown of total program expenditures from 1980 to July, 2012:

| | Percentage (%) of Total Expenditures | | |
|---|---|---|---|
| Sector | WD Account No. I | WD Account No. II | WD Account No.III |
| Multi-purpose | 11.3 | 4.9 | 69.3 |
| Agriculture | 11.3 | 42.7 | 25.1 |
| Municipal | 48.3 | 43.0 | 5.6 |
| Special Districts | 6.4 | 2.4 | - |
| Legal | 3.6 | 4.6 | - |
| Non-Project | 19.1 | 2.3 | - |

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

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

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

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

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

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

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

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

At the same time, projects funded with appropriations from the water development accounts provide direct and indirect economic benefits throughout the state. As of January 1, 2013, there are projects with appropriations in excess of $300M in the construction phase of the Wyoming Water Development Program.

# CHAPTER 2 - 2013 LEGISLATIVE PROGRAM

## I. Program Development Process

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

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

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

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

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

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

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

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

H. Select Water Committee - The committee is comprised of 6 senators and 6 representatives. It provides legislative oversight for the program and reviews and approves the funding recommendations developed by the WWDC. The committee's approval comes in the form of its willingness to sponsor the "Omnibus" Planning and Construction bills. The Select Water Committee meets to review and discuss the draft bills prior to the legislative session.

I. Legislative Process - The legislature must authorize the allocation of funds from the water development accounts to particular projects. This approval is solicited through the "Omnibus" Planning and Construction Bills, sponsored by the Select Water Committee.

## II. 2013 Funding Recommendations:

### Summary-2013 Omnibus Water Bill-Planning

| Level I Projects-New Development | Location | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Belle Fourche River Watershed Study | Crook/Camp. | $ 350,000 | | |
| Blacks Fork Watershed Study | Uin/Lin/Sweet | $ 350,000 | | |
| High Meadow Ranch Master Plan | Sublette | $ 175,000 | | |
| Lusk Master Plan | Niobrara | $ 200,000 | | |
| Osmond Pipeline Master Plan | Lincoln | $ 75,000 | | |
| Statewide Water Research | Statewide | $ 400,000 | | |
| Subtotal | | $ 1,550,000 | | |

| Level II Projects-New Development | Location | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Eden Valley (Farson) Master Plan | Sweetwater | $ 90,000 | | |
| Hanna Water System | Carbon | $ 100,000 | | |
| Lower Nowood Water Supply | Washakie | $ 75,000 | | - |
| Pine Haven Tank and Well Study | Crook | $ 100,000 | | |
| Squaw Creek Water Supply | Teton | $ 350,000 | | |
| Subtotal | | $ 715,000 | | |

| Level I Projects-Rehabilitation | Location | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Interstate Canal & Beaver Meadows Reservoir Rehabilitation | Sweetwater | | $180,000 | |
| Subtotal | | | $180,000 | |

| Level II Projects-Rehabilitation | Location | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Austin-Wall Reservoir Rehabilitation | Uinta | | $280,000 | |
| Heart Mountain ID Master Plan | Park | | $175,000 | |
| Subtotal | | | $455,000 | |

| Level I Projects-Dams and Reservoirs | Location | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Probable Max. Precipitation - Cool Season | Statewide | | | $ 250,000 |
| Subtotal | | | | $ 250,000 |

| Level II Projects-Dams and Reservoirs | Location | WDA I | WDA II | WDA III |
|---|---|---|---|---|
| Clear Creek Storage | John/Sheridan | | | $ 350,000 |
| Cottonwood/Grass Creek Reservoir | Hot Springs | | | $ 70,000 |
| Shell Valley Storage | Big Horn | | | $ 150,000 |
| Sublette Creek Reservoir | Lincoln | | | $ 252,000 |
| West Fork Reservoir | Carbon | | | $ 7,000,000 |
| Subtotal | | | | $ 7,822,000 |

| | | | |
|---|---|---|---|
| **Total** | **$2,265,000** | **$635,000** | **$8,072,000** |

**Summary-2013 Omnibus Water Bill-Construction**

| Level III Projects - New Development | Location | WDA I | WDA II | Terms |
|---|---|---|---|---|
| Buffalo South Loop Pipeline | Johnson | $ 775,000 | | 67G/33L/4/20 |
| Burns Well Connection | Laramie | $ 1,214,000 | | 67G/33L/4/30 |
| Casper Raw Water Supply II | Natrona | $ 487,559 | | 67G |
| Cottonwood Lake Enlargement | Lincoln | $ 3,700,000 | | 67G/33L/4/50 |
| Evansville Emergency Connection | Natrona | $ 141,370 | | 67G |
| Jeffrey City Water System Improvements | Fremont | $ 418,750 | | 67G |
| Lance Creek Well Connection | Niobrara | $ 170,000 | | 67G/33L/4/30 |
| Mountain View Acres Connection | Fremont | $ 95,000 | | 67G/33L/4/10 |
| Pavillion Water System Improvements | Fremont | $ 214,500 | | 67G/33L/4/30 |
| Sheridan North Loop Transmission Line | Sheridan | $ 1,566,460 | | 67G |
| Subtotal | | $ 8,782,639 | | |

| Level III Projects - Rehabilitation | Location | WDA I | WDA II | Terms |
|---|---|---|---|---|
| Austin-Wall Canal Rehabilitation-Phase I | Uinta | | $ 150,000 | 50G |
| Cody Canal Rehabilitation 2013 | Park | | $ 144,000 | 67G/33L/4/10 |
| Eden Valley Farson Lateral Rehab-Phase I | Sweetwater | | $ 233,500 | 50G |
| Goshen ID Rehabilitation 2013 | Goshen | | $ 1,400,000 | Materials Grant |
| Midvale Rehabilitation 2013 | Fremont | | $ 317,400 | Materials Grant |
| Riverton Valley Rehabilitation 2013 | Fremont | | $ 137,000 | Materials Grant |
| Savery Creek Diversions Phase II | Carbon | | $ 1,900,000 | 67G/33L/4/30 |
| Shoshone ID Rehabilitation 2013 | Park | | $ 795,000 | Materials Grant |
| Subtotal | | | $ 5,076,900 | |

| Amendments to Prior Appropriations | Location | WDA I | WDA II | Terms |
|---|---|---|---|---|
| Cowley Transmission Pipeline | Big Horn | $ 554,023 | | 67G |
| Eden Valley Rehabilitation 2009 | Sweetwater | | $ 1,327,000 | 55.07G |
| Cheyenne Southern Pipeline | Laramie | $ 4,261,200 | | 67G |
| Buffalo Northwest Pipeline | Johnson | $ 3,644,000 | | 67G/33L/4/30 |
| Fort Laramie Storage Tank | Goshen | $ 1,085,500 | | 67G/33L/4/30 |
| Gillette Regional Extensions | Campbell | $ 5,494,000 | | 67G |
| Lovell Transmission Pipeline | Big Horn | $ 703,500 | | 67G |
| Northwest Rural Northern Expansion | Park/BigHorn | $ 3,408,625 | | 67G |
| Lovell Canal Rehabilitation 2012 | Park/BigHorn | | $ (266,000) | Materials Grant |
| Subtotal | | $19,150,848 | $ 1,061,000 | |

| | | | |
|---|---|---|---|
| **Total** | **$27,933,487** | **$6,137,900** | |

## III. Financial Status Reports

The following three (3) tables depict the calculations used to estimate the available funds in each account for the 2013 Legislative Session.

**Water Development Account I**
**Preliminary Fiscal Projections as of 7/1/2012**

| | |
|---|---|
| **Revenues** | |
| General Fund | 120,600,000 |
| Governor's Diversion 7/1/09 | (3,000,000) |
| Budget Reserve | 70,000,000 |
| Taxes | 575,125,941 |
| Interest | 205,316,839 |
| UST Repayment | 2,500,000 |
| Coal Bonus | 4,840,305 |
| Loans/Interest | 90,728,625 |
| Other | 1,249,885 |
| Total Revenues | 1,067,361,595 |
| **Expenditures** | |
| Transfer to Water Account III | (54,070,000) |
| Transfer to Debt Service Accounts | (3,763,498) |
| Program Expenditures | (905,438,208) |
| Total Expenditures | (963,271,706) |
| Cash Balance 6/30/11 | 104,089,889 |
| **Outstanding Commitments 7/1/12** | |
| Active Appropriations | (209,611,898) |
| Paid Appropriations | 97,594,309 |
| Total Commitments 7/1/12 | (112,017,589) |
| Uncommitted Balance 7/1/12 | (7,927,700) |
| **FY13 Anticipated Revenues** | |
| Taxes | 19,300,000 |
| Interest | 4,000,000 |
| Other | 4,000,000 |
| Total FY13 Anticipated Revenues | 27,300,000 |
| **FY14 Anticipated Revenues** | |
| Taxes | 19,300,000 |
| Interest | 4,000,000 |
| Other | 4,000,000 |
| Total FY14 Anticipated Revenues | 27,300,000 |
| Subtotal Anticipated Revenues | 54,600,000 |
| **Balance** | **46,672,300** |

**Water Development Account II**
**Preliminary Fiscal Projections as of 7/1/2012**

| | |
|---|---|
| **Revenues** | |
| Taxes | 137,364,630 |
| Interest | 45,893,094 |
| Federal Mineral Royalty | 5,000,000 |
| Budget Reserve | 12,000,000 |
| Loans/Interest | 42,862,714 |
| Other | 185,032 |
| Total Revenues | 243,305,470 |
| **Expenditures** | |
| Total Expenditures | (217,598,203) |
| Cash Balance 6/30/12 | 25,707,267 |
| **Outstanding Commitments 7/1/12** | |
| Active Appropriations | (60,898,790) |
| Paid Appropriations | 32,710,763 |
| Total Commitments 7/1/12 | (28,188,027) |
| Uncommitted Balance 7/1/12 | (2,480,760) |
| **FY13 Anticipated Revenues** | |
| Taxes | 3,300,000 |
| Interest | 1,100,000 |
| Other | 1,700,000 |
| Total FY13 Anticipated Revenues | 6,100,000 |
| **FY14 Anticipated Revenues** | |
| Taxes | 3,300,000 |
| Interest | 1,100,000 |
| Other | 1,700,000 |
| Total FY14 Anticipated Revenues | 6,100,000 |
| Subtotal Anticipated Revenues | 12,200,000 |
| **Balance** | **9,719,240** |

**Water Development Account III**
**Preliminary Fiscal Projections as of 7/1/2012**

| | |
|---|---|
| **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 | 5,426,037 |
| Interest | 36,218,476 |
| Total Revenues | 156,008,169 |
| **Expenditures** | |
| Total Expenditures | (12,198,290) |
| Cash Balance 6/30/12 | 143,809,879 |
| **Outstanding Commitments 7/1/12** | |
| Active Appropriations | (15,020,000) |
| Active Appropriations - Gillette Madison | (16,415,000) |
| Paid Appropriations | 9,247,107 |
| Total Commitments 7/1/12 | (22,187,893) |
| Uncommitted Balance 7/1/12 | 121,621,986 |
| **FY13 Anticipated Revenues** | |
| Taxes | 800,000 |
| Interest | 2,200,000 |
| Total FY13 Anticipated Revenues | 3,000,000 |
| **FY14 Anticipated Revenues** | |
| Taxes | 800,000 |
| Interest | 2,200,000 |
| Total FY14 Anticipated Revenues | 3,000,000 |
| Subtotal Anticipated Revenues | 6,000,000 |
| **Balance** | **127,621,986** |

## IV. 2014 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 2014 Session.

**Water Development Account I**

| | | |
|---|---|---|
| Available 2013 Session | | $46,672,300 |
| 2013 Omnibus Water Bills | | |
| Planning | $ 2,265,000 | |
| Construction | $27,933,487 | |
| Deduct: Omnibus Water Bills | | $30,198,487 |
| Subtotal | | $16,473,813 |
| Add: Anticipated 2013 Reversions | | $ 2,000,000 |
| **Available 2014 Session** | | **$18,473,813** |

**Water Development Account II**

| | | |
|---|---|---|
| Available 2013 Session | | $9,719,240 |
| 2013 Omnibus Water Bills | | |
| Planning | $ 635,000 | |
| Construction | 6,137,900 | |
| Deduct: Omnibus Water Bills | | $ 6,772,900 |
| Subtotal | | $ 2,946,340 |
| Add: Anticipated 2013 Reversions | | $ 500,000 |
| **Available 2014 Session** | | **$ 3,446,340** |

**Water Development Account III**

| | |
|---|---|
| Available 2013 Session | $127,621,986 |
| Omnibus Water Bill Planning | 8,072,000 |
| **Available 2014 Session** | **$119,549,986** |

The following table attempts to predict funding requests for the 2014 or later Legislative Sessions:

| | | |
|---|---|---|
| **Water Development Account I** | | |
| Phased Projects-Priorities | | |
| Douglas Box Elder Spring-Phase II | 10,207,500 | |
| Rolling Hills Water Supply | 1,740,000 | |
| Total Phased Projects | | $11,947,500 |
| Other Potential Projects | | |
| Basin Planning | $ 250,000 | |
| Watershed Studies | 500,000 | |
| Boulder Flats | 2,000,000 | |
| Cambria/Sweetwater | 1,500,000 | |
| Cheyenne Belvoir Well Field | 10,000,000 | |
| Hanna Transmission | 250,000 | |
| Jamestown Rio Vista | 2,500,000 | |
| Kemmerer/Diamondville | 1,500,000 | |
| Lance Creek Tank | 100,000 | |
| Lucerne Water Supply | 1,500,000 | |
| Manville Well Connection | 500,000 | |
| Pine Haven Tank and Well | 1,400,000 | |
| Riverton Pump Station Increase | 1,500,000 | |
| Rock River Intake & Transmission | 750,000 | |
| Squaw Creek Water Supply | 850,000 | |
| Total Other Potential | | $24,350,000 |
| **Grand Total WDA I** | | **$36,297,500** |
| **Water Development Account II** | | |
| Phased Projects-Priorities | | |
| Austin-Wall Canals | $ 1,450,000 | |
| Big Horn Canal Siphon | 3,000,000 | |
| Casper Alcova Irrigation District | 500,000 | |
| Cody Canal Irrigation District | 500,000 | |
| Deaver Irrigation District | 500,000 | |
| Eden Valley Farson Lateral | 2,500,000 | |
| Goshen Irrigation District | 1,000,000 | |
| Midvale Irrigation District | 500,000 | |
| Shoshone Irrigation District | 500,000 | |
| Wheatland Irrigation District | 500,000 | |
| Total Phased Projects | | $10,950,000 |
| Other Potential Projects | | |
| Austin Wall Reservoir Rehabilitation | $ 500,000 | |
| Keystone-Farmers | 1,000,000 | |
| Little Snake Canals | 500,000 | |
| Wind River Irrigation | 1,000,000 | |
| Total Other Potential | | $ 3,000,000 |
| **Grand Total WDA II** | | **$13,950,000** |

**Water Development Account III**

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

| | | |
|---|---|---|
| Big Sandy Enlargement | $25,000,000 | |
| Clear Creek Storage | 47,000,000 | |
| Cottonwood/Grass Creek Storage | 13,500,000 | |
| Middle Piney Reservoir | 3,000,000 | |
| Meadowlark Lake Enlargement | 14,000,000 | |
| Alkali Creek Dam | 15,000,000 | |
| Leavitt Reservoir | 30,000,000 | |
| Park Reservoir (Purchase existing storage capacity) | 10,000,000 | |
| Sawmill Reservoir (Purchase existing storage capacity) | 11,000,000 | |
| Sublette Creek Reservoir | 19,000,000 | |
| Viva Naughton Enlargement | 10,000,000 | |
| West Fork Reservoir | 60,000,000 | |
| **Grand Total WDA III** | | **$257,500,000** |

## CHAPTER 3 – ACTIVE PROJECTS

**01.** **PROJECT:** **33 Mile Pump Station**
LEVEL: III
SPONSOR: 33 Mile Road Improvement & Service District
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

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

*60% grant, **67% grant

PROJECT INFORMATION:
The 33 Mile Road Improvement & Service District is served by the Central Wyoming Regional Water System as a wholesale customer and was encountering operating pressures below the minimum WDEQ operating requirement of 35 pounds per square inch. Residents in the area sought a resolution to the problem through construction of a booster pump station at the intersection of 33 Mile Road and Enberg Road to alleviate low water pressures being experienced by the residents located along Enberg Road. The pumping station consists of three pumps with variable frequency drives: two smaller pumps to meet the day-to-day demands in this portion of the system and a single larger pump for flushing and emergency flows. Until the low operating pressure problem can be resolved, the District has placed a moratorium on new connections to the system.

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

The District secured the services of an engineering firm and the design portion of the project is nearing completion. The WDEQ is currently reviewing the project design and following their acceptance the construction portion of the project will be bid out with a late 2013 construction completion.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

*67% grant, 33% sponsor

PROJECT INFORMATION:

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

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

**03. PROJECT: Austin-Wall Canal Reservoir Rehabilitation-Phase I**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

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

In 2011, the Level II study was completed and included a geotechnical drilling program and analyses of the dam. The study also refined recommendations related to improving both the Austin and Wall canal systems. An application for funding from the U.S. Bureau of Reclamation's Salinity Control Program (SCP) was prepared and submitted. SCP construction funding of $6,000,000 was approved. The total cost to rehabilitate both canals was estimated to be $18,000,000. Therefore, the District requested $12,000,000 from the WWDC Rehabilitation Program. Since there are only 6,000 acres within the District the proposed subsidy from the WWDC would exceed two times the Program's previous investment per acre on similar projects. The request for $2,000,000 per year for six years from the Rehabilitation Program with an annual income of $6M would impair the WWDC's capability to invest in other needed projects.

As a result of the budget impact to the Rehabilitation Program account, the WWDC requested the District to focus a new study to identify those leaking sections within the individual canal systems where major water leakage is a major problem. Upon reviewing the results of this requested study, the WWDC would then consider a reduced funding request to repair those areas where major leakage was identified. Results from this newest study have identified several canal sections where major leaking was identified. The District is now requesting $1,600,000 WWDC construction funding for the repair of those leaking canal sections with the funding spread out over three years of appropriations. WWDC funding is proposed to be matched with $1,350,000 U.S. Bureau of Reclamation's Salinity Control Program monies. The funding schedule request is for $150,000 in 2013 for design and permitting followed by $850,000 for construction in 2014 and $600,000 for construction in 2015.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC is recommending that this project be advanced to Level III status in the Rehabilitation Program with an appropriation of $150,000 for design and permitting. The proposed financing plan provides a 50% grant which would be matched with a 50% U.S. Bureau of Reclamation's Salinity Control Program grant.

**04.** **PROJECT:** **Austin-Wall Reservoir Rehabilitation**

LEVEL: II
SPONSOR: Austin Wall Irrigation District
LOCATION: Uinta County
PROGRAM: Rehabilitation (Water Account II)

PROJECT INFORMATION:

Wall Reservoir diverts, which is located in Uinta County near Fort Bridger, Wyoming, stores water from Blacks Fork, which is tributary to the Green River. The Austin Wall Irrigation District is interested in rehabilitating and enlarging Wall Dam and has requested funding to conduct a Level II Study to identify rehabilitation measures and to determine the feasibility of enlarging the reservoir.

For many years the 870 acre-feet capacity Wall Reservoir has been unable to function as originally intended. The District is also interested in capturing and storing excess water that is typically available during spring run-off, which would then be used to offset late season irrigation shortages.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC and the Legislature's Select Water Committee during their respective December project review meetings recommended that the legislature appropriate $280,000 from Water Account II to fund the Level II Study.

**05. PROJECT: Badwater-Poison Creek Watershed Study**

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

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

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

This study will develop an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information will be incorporated into development, rehabilitation and management plans complete with cost estimates for potential future project activities. The final report is expected in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**06. PROJECT: Basin-Big Horn Canal**

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

EXISTING LEGISLATION:

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

**07. PROJECT: Bear River Basin Groundwater Analysis**

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

EXISTING LEGISLATION:

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

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

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

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

**08.** **PROJECT:** **Bear River Hydrology Model**
LEVEL: I
SPONSOR: WWDC
LOCATION: Bear River Basin, Wyoming
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 57 | 2012 | I | $50,000 | 2013 |

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

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

The Bear River Basin has been selected as the first basin for model development, because appropriated data sets are available and initial simulation modeling efforts have been completed. Developing the model from an existing structure and using existing data sets will be an advantage and help in the model protocol and data needs for other basins within Wyoming. The model will be developed in-house with the assistance of a consultant. Development of a simulation model will continue the basin planning process and begin development of a decision support system for water resource planning.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

**09.** **PROJECT:** **Belle Fourche River Watershed Study**
LEVEL: I
SPONSOR: Crook County Irrigation District and the Crook County Natural Resource District
LOCATION: Crook County, Campbell County and Weston County
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $350,000.00.

**10. PROJECT: Big Horn Canal Rehabilitation 2012**

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

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

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

The sponsor has executed the legal documents and hired an engineer. The Fifteen Mile Creek facilities are in design and are anticipated to be constructed in the fall of 2013. The sponsor also plans to request funding in the fall of 2013 for an inverted siphon to cross Five Mile Creek and coordinate the design and construction of the Five Mile wasteway-check-drop structure with the siphon. All construction for this sponsor will be publically advertised, competitively bid, and constructed by a contractor.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**11. 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 | $4,710,100* | 2014 |

*67% grant

PROJECT INFORMATION:

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

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

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

In 2007, the BHRJPB requested Level III funding to extend the northern system to the town of Kirby and the Lucerne Water and Sewer District (Element 10). However, evaluation of existing funding with present and forecasted expenditures revealed that sufficient funding was currently in place to complete the proposed project. In 2012, the WWDC recommended that $2,512,500 not needed to complete the project be reverted back to water development account I. In addition, the WWDC recommended that the reversion date of the project appropriation be extended from 2012 to 2014 to allow for the completion of the project.

Design of the Kirby/Lucerne portion of the project is complete. The project received favorable bids and the construction of the Element 10 phase was completed in late 2012. Project close-out is underway and will be completed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**12. PROJECT: Big Horn Regional Well Connection**

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

EXISTING LEGISLATION:

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

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

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

Project agreements are complete and the sponsor began design in 2012. The design will be completed in 2013 and construction will be completed by the end of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**13. PROJECT: Big Sandy Enlargement**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

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

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

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

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

inundation durations and tolerances, further model system hydrology/water management and analyze irrigation turnouts in the system which may be affected by potential management changes.

A portion of the 2011 appropriation has also been used to add a task order for Reclamation, via the "Technical Service Agreement", to analyze spillway raises on their facilities. The task order includes project management, preliminary design and risk analysis, a value planning study and appraisal level alternatives.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**14.** **PROJECT:** **Blacks Fork River Watershed Study**
LEVEL: I
SPONSOR: Uinta County Conservation District
LOCATION: Uinta County, Sweetwater County, Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level I status with an appropriation of $350,000.00.

**15.** **PROJECT:** **Boulder Flats Water Supply**
LEVEL: II
SPONSOR: Eastern Shoshone Business Council & Shoshone Utilities
LOCATION: Fremont County (Wind River Indian Reservation)
PROGRAM: New Development

Existing Legislation:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 34 | 2004 | I | $850,000 | 2006 |

| | | | | | |
|---|---|---|---|---|---|
| Level II | 99 | 2006 | I | $600,000 | 2008 |
| Level III | 121 | 2007 | I | $824,000* | 2012 |
| Level II | 1 | 2011 | I | $275,000 | 2014 |

* 67% grant and $87,000 loan

PROJECT INFORMATION:
Boulder Flats is a rural area on the Wind River Indian Reservation north of Lander along US HWY 287, just inside the southern reservation boundary delineated by the North Popo Agie River. Rural domestic and commercial (Shoshone Rose casino complex) water users of Boulder Flats are a subsystem of the Shoshone Utility Organization via a 6-mile transmission pipeline running southeast from the community of Fort Washakie. The 6-inch transmission line is undersized for present and future water demands and places users at risk in case of pipeline failures. The planning project study is scoped to explore the potential for a new alluvial groundwater water supply and, if feasible, develop a well field on the north-side floodplain alluvial deposits of the North Popo Agie River. The additional supply would alleviate shortages, establish a redundant source supply, and provide for future needs in the area.
Multiple test holes were drilled in 2011 and 2012 and a production-size well was drilled in late 2012. The Test well will be completed in early 2013 and pump tested to determine feasibility of a well field in the area.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action at this time.

**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. This study was completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**17. PROJECT: Buffalo Northwest Pipeline**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 32 | 2010 | I | $75,000 | 2011 |
| Level II | 14 | 2012 | II | $365,000* | 2017 |

* 67% grant, 33% loan

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

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

This Level III project is to construct a public water supply transmission pipeline (12-inch, 21,500 linear feet) and a new 500,000-gallon storage tank, which will transmit water from the City of Buffalo to the Johnson County Airport and rural users in the adjacent areas to the northwest and east of the City of Buffalo. The project has been phased with Phase I of the project including the design, permitting and land acquisition for the project. The design is nearing completion and the permitting and land acquisition will be complete in time for a late spring 2013 bidding. Therefore, phase II funding for construction is being requested at this time. The construction costs are estimated to be an additional $3,644,000. The total Phase I and II budget is $4,009,000.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the New Development Program with an appropriation of $3,644,000 for Phase II construction of the project. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years.

**18. PROJECT: Buffalo Pipeline**

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

PROJECT INFORMATION:
The 2008, Level I, Buffalo, Sheridan Area Water Supply System, and Lake DeSmet Regional Master plan, identified a transmission line project for the Town of Buffalo. The Master Plan recommended an additional transmission line between the existing water treatment plant and the municipal limits of town. The water treatment plant can provide 6 MGD but the existing transmission line has a capacity of less than 4 MGD. The additional transmission line will provide the ability to deliver 6 MGD to the Town, provide additional capacity to accommodate future growth, and provide redundancy to the water supply.

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

In 2012, the Town's engineer completed the design of the project and the project was successfully bid and awarded. Construction of the project is underway and the project is anticipated to be completed early-2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**19. PROJECT: Buffalo South Loop Pipeline**

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

EXISTING LEGISLATION:

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

*67% grant

PROJECT INFORMATION:
The City of Buffalo's funding request is based on recommendations from the 2008, Level I, Buffalo Sheridan Area Water Supply System, and Lake DeSmet Regional Master Plan.
The Master Plan recommended replacing 7,000 feet of transmission line. The City is requesting to replace 3,800 feet of transmission main between the existing south storage tank and the new school. The existing transmission main is asbestos cement and is approximately 30 years old. The pipeline has become unreliable suffering multiple line breaks and ruptures in recent years. A new pipeline would provide reliable water delivery and the necessary fire flows to the residential, commercial and school users.

A recommendation is being made to provide grant and loan funding of $775,000 for the WWDC eligible costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to Level III status in the New Development Program with an appropriation of $775,000. The proposed financing plan provides a 67% grant and a 33% loan with an interest rate of 4% and term of 20 years.

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

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

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

The Town's engineer completed the design in 2011 and the project received favorable bids. In 2012, construction of the new storage tank was completed and the tank was put into service. The project is anticipated to be finalized in early-2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The 2009-2011 Level I master plan study was conducted for the Town of Burns, which is located approximately 25 miles east of Cheyenne in Laramie County. One of the recommendations of the

Level I study was to construct an additional water supply well for the Town about 225 feet deep into the Arikaree Formation aquifer to help meet the current and future water needs for the Town. Additionally, the existing Town wells were tested to evaluate yields, water level changes, and interference issues. The purpose of the Level II groundwater feasibility study was to increase the water supply for the Town of Burns. Aquifer testing of the Town's existing wells was completed in Fall 2011. By August 2012, the Level II test well into the Arikaree Formation was constructed and aquifer tested.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Burns Well Connection Level III appropriation be approved for $1,214,000. WWDC financing will be a 67% grant and 33% loan.

**22. PROJECT: Cambria/Sweetwater Water Supply**

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

EXISTING LEGISLATION:

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

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

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

A potential health hazard exists to the residents of the Sweetwater Improvement and Service District. Their water source is exposed to potential contamination from surface run-off and impacts from wildlife and livestock. The presence of total coliform was detected in the summer of 2008. The District needs a secure water supply to protect the health of the residents. The WWDC has completed a Level I study for Sweetwater Improvement and Service District which concluded that Sweetwater should obtain water from Newcastle through the Cambria system. Therefore, Cambria may provide a water supply to 20 additional taps in the Sweetwater Improvement & Service District, which is contiguous to Cambria. This study was completed in 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is needed.

**23. 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.

The construction contractor is working and construction is anticipated to be complete prior to the 2013 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**24. PROJECT: Casper Poplar Transmission Pipeline**

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

EXISTING LEGISLATION:

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

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

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

Areas of Casper's Zone II have less than desirable operating water system pressure, some below the DEQ minimum of 35 psi. As part of the identified improvements to Zone III, the low

pressure areas of Zone II will be served by the Zone III water system in order to improve operating pressures and fire flows. A new 12-inch PVC Zone III transmission line will be provided in order to isolate the Zone II users and move them to Zone III. The Zone III pipeline will parallel existing Zone II pipelines and will allow the City to "rezone" the low pressure areas without adversely impacting the remaining Zone II areas. The Zone III transmission pipeline will provide redundant transmission capacity and better fire flow capability. The pipeline will start at Wyoming Boulevard and head north on Poplar Street to 39th Street, and then west on 39th Street to Ridgecrest Avenue.

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

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

In 2012, the City of Casper received a Level III New Development project with an appropriation of $1,541,000 (67% grant).

The Sponsor is currently in the process of selecting an engineer for the design of the project.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**25. PROJECT: Casper Raw Water Supply II**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 118 | 2004 | I | $452,500 | 2008 |

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

The City of Casper has submitted a new application for an expansion of the Raw Water Irrigation project to serve the North Casper Athletic Complex. The project consists of the modification of the existing river intake structure completed in 2007, construction of a new slow sand filter, construction of a cartridge filter system, and construction of a 12-inch transmission main. The modifications to the river intake consist of a sluice gate, traveling screen, and the installation of a new level sensor. This project will irrigate an additional 30 acres at the complex. The new slow

sand filter and cartridge filter system have been determined to be treatment and not WWDC eligible.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending the Casper Raw Water Irrigation Supply II Project be incorporated at Level III status into the New Development Program with an appropriation of $487,600. The financing plan includes a 67% grant of the eligible costs. The sponsor is responsible for the remainder of the project costs.

**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.

The engineer completed the design of the project in 2011 and the project received favorable bids. Construction of the project was completed in 2012 and project close-out is underway and will be completed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

**27. PROJECT: Central Wyoming Regional-Zone IIB**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 75 | 2005 | I | $200,000 | 2007 |
| Level III | 121 | 2007 | I | $3,200,000* | 2012 |
| Level III | 68 | 2010 | I | $663,300* | 2015 |
| Level III | 63 | 2011 | I | $1,959,750* | 2016 |

*67% Grant

PROJECT INFORMATION:

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

This project is part of the Casper area's efforts to systematically improve its water supply system in accordance with the 2006 Level I Casper Water Master Plan. This project involves construction of a water booster pump station and transmission pipeline as recommended in the 2006 Water Master Plan. A 16-inch pipeline would be constructed in Amoco Road from Bryan Stock Trail to North Poplar Street. The booster pump station would be constructed near Bryan Stock Trail. The transmission pipeline and water booster station would service existing Regional water system zone IIB wholesale customers with system redundancy able to handle peak flow demands, fire flows, adequate pressure, and future growth.

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

RECOMMENDED LEGISLATIVE ACTION:

No legislative is action required.

**28. PROJECT: Cheyenne Southern Pipeline**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 63 | 2011 | I | $14,029,800* | 2016 |

* 67% grant only

PROJECT INFORMATION:

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

Under Phase 1 of the Southern Water Transmission Project, the Cheyenne Board of Public Utilities (BPU) extended a 42-inch line from the Sherard Water Treatment Plant 13,200 feet eastward along Happy Jack Road to the intersection of Happy Jack Road with Round Top Road with financing provided by a loan from the Wyoming Drinking Water State Revolving Loan Program.

The Level III - Phase 2 of the Southern Water Transmission Project is 11.5 miles of transmission main ranging in size from 42 – inch to 12 – inch. The route of the planned Phase 2 would extend 3 miles south from the end of the Phase 1 project, then approximately 4 miles east crossing Interstate I-25 ending at Walterscheid Blvd. Water lines would also extend 2.5 miles north on Parsley Blvd. and 2 miles north on Walterscheid Blvd. to Fox Farm Rd. Extensions along Parsley and Walterscheid Boulevards would be to loop the Southern Water Transmission Main into the City's water system near the Downtown.

The project design is scheduled to be completed in December 2012 with a bid opening scheduled in February 2013.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III grant appropriation by $4,261,200, from $14,029,800 to $18,291,000. The financing plan will remain a 67% grant to be used for design, permitting and construction. The sponsor is responsible for the remainder of the project costs.

**29. PROJECT: Clear Creek Storage**

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

EXISTING LEGISLATION:

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

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

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

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

At the request of the Lake DeSmet Conservation District, a Level II Storage Feasibility Study was initiated in mid-2011 to further explore storage opportunities identified in the Clear Creek Watershed Study. The objective has been to develop and/or expand current water storage in the Clear Creek Watershed to collect the excess spring runoff and allow for controlled, consistent releases, thus providing agricultural benefits through improved management and late season irrigation, potential municipal benefits through reduction of channel erosion and flooding in area communities, as well as environmental and recreational benefits through the enhancement of fisheries and wildlife habitat. The Level II study has focused primarily on hydrologic analysis, needs for supplemental water, and site investigations to determine the most viable storage locations.

Preliminary analysis of environmental impacts, costs and secondary benefits point towards off-channel reservoir sites south of Buffalo, WY in the range of 8,000-10,000 acre-feet as being the most feasible. In additions to irrigators, there appears to be interest in these sites from the City of Buffalo and Wyoming Game and Fish, both on a supplemental municipal supply and recreation standpoint. Recent emphasis has been on completing a StateMod Hydrologic model which will aid in the understanding of how new storage will be incorporated into the existing watershed system. Until the model is complete, it is not specifically known what quantity of water is legally available to store. The model should also account for the relationship of Lake DeSmet and its many water rights and potential beneficiaries to future storage projects in the basin. Additionally, WWDC is currently working with the Nature Conservancy to determine how appurtenant structures to the preferred site south of Buffalo may or may not fit into the current conservation easement they hold on land adjacent to the storage site.

In an effort to avoid delaying the progress of the project, the Lake DeSmet Conservation District is requesting to move into a Level II, Phase II Storage Feasibility Study to further consider storage opportunities analyzed in the Clear Creek Storage, Level II Study. The additional study will focus primarily on hydrologic analysis, site survey, geotechnical and environmental investigations and economics to refine site feasibility.

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

**30. PROJECT: Cody Canal Rehabilitation 2013**

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

EXISTING LEGISLATION:

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

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

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

The WWDC has provided funding to the sponsor to complete the rehabilitation projects identified in Level II studies. The Cody Canal Rehabilitation Project which replaced the Sulphur Creek Siphon and Spillway and the Diamond Creek Flume was completed in 2011. The Cody Canal Chute Project and the Cody Canal Drop Structure Project were both constructed prior to the 2012 irrigation season. The project funding for the latter two projects is still available pending warranty inspections.

The sponsor is requesting funding to replace the lower segment of the Nineteenth Street Pipeline with a new pvc pipeline. The upper portion of the Nineteenth Street Pipeline was replaced as a part of the Cody Canal Chute Project. The lower portion of the pipeline is an old steel pipe that needs frequent repairs to stop leaks. The requested appropriation of $144,000 will finance design, construction, construction engineering, and land rights as necessary to construct the project. The funding requested is 67% grant and 33% loan at 4% interest for 10 years. Completion of this project should reduce maintenance costs for the sponsor.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Cody Canal Rehabilitation 2013 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $144,000. The recommended financing plan calls for a 67% grant and 33% loan with an interest rate of 4% and a term of 10 years.

**31. PROJECT: Cody West Transmission Pipeline**

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

EXISTING LEGISLATION:

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

*67% grant

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

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

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

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

The Sponsor has selected an engineer for the design of the project. The Sponsor is working with the engineer to secure the necessary pipeline easements for construction. Additionally, the engineer is working towards completing the design and project documents in-order to go to bid in early-2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**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 III | 68 | 2010 | I | $1,290,000* | 2015 |

* 67% grant, 33% loan

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

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

The contractor has completed the project and the consultant is in the process of delivering the Record Drawings and Operations and Maintenance Manuals to the District.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**33. PROJECT: Cottonwood/Grass Creek Reservoir**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The purpose of the project is to pursue construction of one or more dam and reservoir projects that were identified in the recently completed Level I study entitled Cottonwood/Grass Creek Coordinated Resource Management (CRM). The Level I study included spreadsheet modeling of surface water flows and shortages within the Cottonwood and Grass Creek drainages, which indicated surplus water is available that may be stored in reservoirs. Storage would address much of the identified irrigation shortages.

At the conclusion of the Level I study, preliminary hydrologic evaluations were prepared for four possible locations for dams and reservoirs in the Grass Creek and Cottonwood drainages. The legislature appropriated $250,000 to fund a Level II, Phase I dam and reservoir study to further define storage opportunities and to conduct a more robust hydrological analysis to identify irrigation shortages. This Level II, Phase I study also included compiling a "purpose and need

statement" that could be easily incorporated in a National Environmental Policy Act analysis; identification of other beneficial uses (recreational, industrial and/or environmental uses); a limited geotechnical analysis, consisting of drill holes and backhoe test pits; and an economic analysis that includes the sponsor's ability to pay.

The Level II, Phase I study has been completed. The report's analysis conducted to date favors a 5,000 acre foot expansion of Wales Reservoir over the other sites identified. The report also identified technical, water quality, permitting issues that need further study. A Level II, Phase II study is underway and on schedule. The study will focus primarily upon water quality, hydrology, and permitting issues. Due to a severe drought in the region resulting in very low stream flows, water sampling efforts were not representative of a normal water year. The sponsor is now requesting additional funding to continue water sampling and analysis to complete the study.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending that an additional $70,000 be added to the project budget.

**34. PROJECT: Cottonwood Lake Enlargement**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

The first phase of the study evaluated the potential of storing additional water in Cottonwood Lake, which is located near Smoot, Wyoming, for late season irrigation. Cottonwood Lake is a natural lake on Cottonwood Creek, and is the source of irrigation water, approximately 350 acre feet per year, for the Cottonwood Irrigation District (CID). There was once a control structure on the lake but it is no longer functional and has not been used for many years.

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

In 2007, the funds were appropriated to continue this Level II study. Project economics and funding mechanisms were examined. The legislature appropriated funds during their 2010 session to conduct the drilling program and the geotechnical investigation. The project work is currently underway and on schedule. Further work on the dam design and permitting remains and will be addressed once the drilling program and geotechnical analysis is completed. Due to impacts from heavy snow at the site during the spring of 2011, drilling was delayed until late fall and the final report is now due in early 2013.

RECOMMENDED LEGISLATIVE ACTION:

WWDC is recommending a permitting, design and construction appropriation of $3,700,000.

**35. PROJECT: Cowley Transmission Pipeline**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 75 | 2008 | I | $1,366,800* | 2013 |

*67% grant

PROJECT INFORMATION:

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

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

A recommendation is being made to provide grant funding of $554,023 for the WWDC eligible costs. The sponsor is responsible for the remaining project costs. This additional funding would complete the remaining project components of 3,700 feet of 10" transmission main and a control building. Additionally, this funding will complete the project as originally intended.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that this project be amended with a New Development Program Level III appropriation of $554,023. The appropriation provides a 67% grant for the construction of WWDC eligible project components. The sponsor is responsible for the remaining Level III project budget. The WWDC is recommending that the reversion date of the project appropriation be extended from 2013 to 2016 to allow for the completion of the project.

**36. PROJECT: Deaver Rehabilitation Projects**

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

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the Deaver Irrigation District to complete the rehabilitation projects identified in the 2002 Level II study. The District is making a concerted effort to rehabilitate its water delivery system. The 2009 project replaces open ditches with pipe on laterals D56-1, 196F, and D56-64. The additional funds appropriated in 2011 are to replace open ditches with pipe on laterals 189F and D113. The project funds from WWDC are being used to purchase materials and the sponsor is funding the engineering, land rights, and permits, and is providing labor, equipment, and other resources necessary for construction of the project. The sponsor has completed construction of Lateral D56-1, 196F, and D56-64. During the winter of 2012-2013 the sponsor is constructing Laterals 189F and D113. This project should be completed in 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

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

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

*67% grant

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

**38. PROJECT: Dubois Water Supply**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date | |
|---|---|---|---|---|---|---|
| Level I | 82 | 1998 | I | $75,000 | 2000 | |
| Level II | 7 | 2002 | I | $75,000 | 2004 | |
| Level II | 125 | 2003 | I | $20,000 | 2004 | |
| Level II | 34 | 2004 | I | $400,000 | 2006 | |
| Level III | 38 | 2009 | I | $2,130,000* | 2014 | |
| Level III | 68 | 2010 | II | $27,000** | 2014 | *67% |

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

PROJECT INFORMATION:
The Town currently delivers 76,714,000 million gallons of water annually to 628 taps. The average per capita use is 233 per day while the peak demand is 757 gallons. The Town requested grant and loan funding for construction of a new storage facility and well improvements. The increased storage is needed to meet the DEQ requirements for maximum day demand plus fire demand. The well improvements include increasing the piping size, replacing/enlarging the

pitless adapter, modifying the electrical system, and increasing the pump size. The well upgrades will allow the Town to increase the production from 750 gpm to 1000 gpm.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**39. PROJECT: Eden Valley Farson Lateral Rehabilitation-Phase I**

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

EXISTING LEGISLATION:

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

*50% grant

PROJECT INFORMATION:
The proposed project would consist of the lining of approximately 6,600 feet of the unlined Farson Canal and replacing approximately 14,000 feet of existing earth laterals with pipe. The laterals would be replaced with pipe ranging in size from 10" to 54". The SCADA system will be expanded to monitor and control water flows at the turnouts. This type of improvement is intended to reduce evaporative and seepage losses (estimated to be in the 37%), reduce operation and maintenance costs, conserve water resources and reduce approximately 1,685 tons of salt per year which the Farson Lateral contributes to the Green and Colorado rivers**.**

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced in the Level III status in the Rehabilitation Program with an appropriation of $233,500 which is 50% of the engineering design, permitting, NEPA analysis and cultural resources evaluation. The proposed financing plan provides a 50% grant with the sponsor seeking a Colorado River Basin Salinity Control Program grant for the remaining 50% of project costs.

**40.** PROJECT: **Eden Valley (Farson) Master Plan**
LEVEL: I
SPONSOR: Farson Community
LOCATION: Sweetwater County
PROGRAM: New Development

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
In 2011 the Farson Master Plan Level I study was approved. The study was to improve local mapping, evaluate source supplies, identify current and future water use demands and do a reconnaissance level design of potential water supply systems for feasibility level studies.

Currently the Farson Master Plan Level I scope of work has been satisfied. The final product is expected to be received by the office December 2012. Three systems have been identified in the Level I for further study in a Level II.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Farson Master Plan be advanced in the New Development Program to Level II status with an appropriation of $90,000.

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

EXISTING LEGISLATION:

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

*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 that followed during irrigation off-seasons in 2009, 2010, 2011, and 2012. A construction contract for Lateral E-13 was awarded in November 2009 with work completed in November 2010. A contract for Laterals E-7 and E-8 was awarded in December 2010 and was completed in November 2011. The upper half of the final lateral (West Side Lateral) was bid and contracted in late 2011 with a completion date of early spring 2012. A 25% increase in HDPE and PVC pipe resins costs in 2011 resulted in the construction of the lower half of the West Side Lateral not being feasible due to budget constraints. Pipe leakage of the upper West Side Lateral resulted in temporary repairs which sufficed to provide irrigation flows through the summer of 2012. Final repairs along with hydrostatic testing was completed on the upper West Side Lateral in October 2012.

The District requested additional WWDC grant funding ($1, 327,000) from the 2013 Legislature to allow construction of the lower West Side Lateral. This would result in WWDC funding a 55.07% share of the West Side Lateral as matched with a 44.93% share from the BuRec Salinity Control Program.

In 2011 EVIDD secured additional WWDC funding ($1,713,000) to provide a 50% match to additional BuRec funding $1,713,000 for Phase IV. This project involves the lining of approximately 6,680 lineal feet of the Eden canal with 30 mil EPDM (ethylene propylene diene monomer) synthetic rubber liner covered with 5-inch fiber reinforced shotcrete, repair of existing concrete liner up and downstream of the siphon, and piping of open ditch irrigation laterals E-5 and E-6 a distance of approximately 20,000 lineal feet with 12" – 32" HDPE pipe. Bidding and award of a construction contract for Phase IV was accomplished in late 2011 and was substantially completed in November

RECOMMENDED LEGISLATIVE ACTION;
The WWDC is recommending that this project be advanced in the Level III status in the Rehabilitation Program with an additional appropriation of $1,327,000. The proposed financing plan provides a 55.07% grant with the sponsor responsible for the remainder of project costs

**42. 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. The sponsor has continued to be unable to secure matching funds for the project and the project has not been able to move forward.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**43. PROJECT: Evansville Emergency Connection**

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

EXISTING LEGISLATION:

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

*Funds reverted due to a request from the Town of Evansville that the regional connection study project be withdrawn.

PROJECT INFORMATION:
The Town of Evansville is requesting funding to provide a connection to the City of Casper water system in the event of an emergency. The project would install an emergency connection to the Scott Hill Tank via a 12-inch diameter main connected to a City of Casper transmission line at East 2nd Street. Due to differences in the current disinfection treatment methods between the two systems, chlorination equipment and a tank mixer will be required at the Scott Hill Tank (separately funded). An altitude valve will also be required. The need for this project was identified in the 2009 Evansville Water Master Plan, Level I Study.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated at Level III status into the New Development program with an appropriation of $141,370. The recommended financing plan includes a 67% grant (for eligible components) with the sponsor being responsible for the remaining 33% and all non-eligible project components.

**44. PROJECT: Fayette Irrigation Rehabilitation**

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

EXISTING LEGISLATION:

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

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

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

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

An engineer was hired and design work undertaken. Easements for the old ditch had never been recorded and much time was spent describing and securing the easements. Meanwhile, inflation

rendered previous cost estimates and funding inadequate. The sponsor requested and received additional WWDC funds to cover inflationary costs and money to make repairs to their headgate during the 2006 Legislative Session.

In 2006, the district elected to proceed with some of the ditch repairs on their own. The remaining elements of the originally identified project scope consisted of the rehabilitation and repair of a major diversion and drop structures. Before proceeding with these improvements, easements and right-of way needed to be obtained from the adjacent landowners. An attorney worked with the district to procure the easements and resolve ongoing litigation throughout 2007 and 2008. These matters were satisfactorily resolved in 2009. A portion of the project scope, a headgate and West Lateral rehabilitation, was constructed during the 2009-2010 off-irrigation season. Remaining WWDC funding was inadequate to complete the remaining scope of the project which involves the reconstruction and regrading of a portion of the Middle Diversion canal including with headgate reconstruction, two drop structures, new canal construction and rehabilitation of severe erosion in the existing West Lateral canal area named the "Grand Canyon".

In September 2012 the District received an additional WWDC appropriation in the amount of $180,000 to complete the remaining scope of work on the Middle Diversion canal and canal erosion. During 2012 project agreements and documents were completed and a design engineer was selected and contracted. Construction work is anticipated to be completed in late 2013 during the irrigation off-season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**45. PROJECT: Fort Laramie Storage Tank**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 85 | 2007 | II | $100,000 | 2008 |
| Level III | 14 | 2012 | I | $53,600 | 2017 |

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be advanced in the New Development Program with an appropriation of $1,085,500 for Phase II of the project for construction. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years.

**46. PROJECT: Gillette Madison Pipeline Joint Bonding**

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

EXISTING LEGISLATION:

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

* 50% grant, ** 67% grant

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

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

Phase III of the project involves designing and constructing cathodic deep anode beds to provide cathodic protection to the pipeline. The City is currently negotiating with the Phase II engineering consultant to design Phase III and perform project construction administration services. The City anticipates that construction of Phase III will be completed sometime in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

| Session | Chapter | Grant (67%) Appropriation | Account | Loan (33%) Appropriation | Account | Total |
|---|---|---|---|---|---|---|
| 2009 | 103 | $11,222,500 | Budget Reserve | $5,527,500 | Permanent Trust | $16,750,000 |
| 2010 | 115 | $16,415,000 | WDA III | $8,085,000 | Permanent Trust | $24,500,000 |
| 2011 | 61 | $6,960,430<br>$25,402,070 | General Fund<br>AML | $15,939,739 | Permanent Trust | $48,302,239 |
| 2012 | 26<br>27 | $6,975,000<br>$23,025, 000 | General Fund<br>AML | $14,776,119 | Permanent Trust | $44,776,119 |
| TOTAL | | | | | | $134,328,358 |

PROJECT INFORMATION:
The major components of the Gillette Madison Water Supply consist of the following:
1. Approximately 50 miles of transmission pipeline ranging in size from 36-inch to 42-inch diameter
2. New power transmission upgrades and booster pump station near Rozet
3. New electrical system, disinfection facility and storage tanks at the Pine Ridge well field site
4. Transmission system will be capable of:
   a. Serving the design year 2040 population of 57,562 for the Gillette Regional Area
   b. Providing an additional 16,000 gpm (23 MGD) to the Gillette Regional Area.
5. New Madison Formation Well Field
   a. Initially five (5) new wells capable of producing 1,400 gpm per well
   b. Ultimately, 12 to 13 new wells to be developed over the next thirty years
6. Treated water storage tanks in Campbell County and transmission pipeline stub-outs to accommodate future regional extensions to serve existing and future demands from over 40 recognized water districts and subdivisions not currently receiving city water

The City of Gillette is underway with the construction of the two Madison formation test wells. Pipeline Segment 3, approximately 5 miles of 36-inch pipe, and Pipeline Segment 4a, approximately 10 miles of 42-inch pipe, are currently under construction and are scheduled for completion by the summer of 2013. Contract documents for the pump station, storage tank, disinfection facility, blending pipeline and remaining water transmission pipelines are nearly 90% complete with design of the power transmission upgrades ongoing.

The City of Gillette completed a Level I study that included conceptual pipeline designs and budget-level cost estimates to connect regional customers, not currently served by Gillette. It is estimated that it will cost $60 million to extend water service to regional customers.

City of Gillette and Campbell County Elected Officials have developed a Joint Powers Agreement (JPA) and held a special election on May 3, 2011 to secure a capital facilities tax for the project. The residents of Campbell County passed the capital facilities tax by a vote of 3,554 to 721.

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

The City of Gillette has submitted a supplemental budget request to the WWDC for the 2013 legislative session. The City has requested a 67% grant of $30,000,000; the matching 33% will come from the Campbell County capital facilities tax. In turn the Water Development Office has included this request in its 2013 – 2014 Supplemental Budget Request as a General Fund Exception Request. Additional funding for the project will also be requested in the 2014 Legislative Sessions in order to provide the total project budget of $217,600,000. The City is phasing the project to accommodate available funding.

**48. PROJECT: Gillette Regional Connections**

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

PROJECT INFORMATION:
EXISTING LEGISLATION:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 88 | 2008 | I | $350,000 | 2011 |
| Level III | 14 | 2012 | I | $703,500 | 2017 |

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

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

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

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

Ultimately, twenty-three (23) extensions may be required at a total cost of $60M. The City of Gillette, in consultation with Campbell County, prioritized the extensions based on the water supply needs of the rural districts and the interest of those districts to connect to the regional system. The highest priority, Priority I, project identified in the Gillette Regional Master Plan included constructing three (3) extensions to serve eight (8) rural water districts including Antelope Valley business Park Improvement & Service District, Antelope Valley Improvement & Service District, Pinnacle heights Improvement & Service District, Bennor Estates Improvement & Service District, Overbrook Improvement & Service District, Rafter D Homeowner's Association, Spring Hill Ranch Improvement & Service District and Cook Road Water District.
In 2012, the Legislature appropriated Phase I funding for the project. The Phase I appropriation included a budget for the project design, permitting and land acquisition. The project is currently under design and is approximately 10% complete. The City has also initiated securing easements for the project. The City of Gillette is requesting Phase II construction funding in 2013.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends increasing the Level III grant appropriation by $5,494,000, from $703,500 to $6,197,500. The financing plan will remain a 67% grant to be used for design, permitting and construction. The sponsor is responsible for the remainder of the project costs.

**50. PROJECT: Goshen Irrigation District Rehabilitation 2013**

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

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:
Goshen Irrigation District (GID) was formed in 1936 and serves 52,484 acres with a conveyance system from the Whalen Diversion Dam above Ft. Laramie to the Nebraska Stateline. Their water rights include diversions from the North Platte River and storage water from Pathfinder

Dam. The district has identified major problems in their district and, with the help of the WWDC, has upgraded portions of their system.

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

In 2009, the GID received a materials only grant of $1,200,000 to complete the Springer Main and Horse Creek lateral diversion rehabilitation. Construction was completed in 2010. The Table Mountain Lateral construction was completed in early 2011 and the Horse Creek lateral was completed in late 2011.

The District identified the remaining portion of the Table Mountain Lateral and Check Structure 45.1 as its next rehabilitation project. In 2011, the Goshen Irrigation District received Level III funding as a materials only grant for $1,100,000 for the remaining portion of the Table Mountain Lateral and Check Structure 45.1. Construction is currently ongoing and the projects are anticipated to be completed in 2013.

The sponsor is now requesting grant funds to finance 100% of invoiced materials for three project components. Main Canal Lateral 45.1 and East Springer Main Lateral 7.0 are both open ditches that will be replaced with buried pipelines. The reinforced concrete floor of the outlet of Tunnel No. 1 has eroded over time and is breaking up in places such that the sponsor would like to remove and replace the damaged sections of concrete with new reinforced concrete. The sponsor is requesting $1,400,000 in grant funds to finance 100% of invoiced materials. The sponsor will perform all of the construction and is responsible for the engineering and any permitting, land rights, or other expenses necessary to construct the project.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Goshen ID Rehabilitation 2013 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $1,400,000. The recommended financing plan calls for a 100% grant to be used only for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

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

EXISTING LEGISLATION

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

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

The project is ongoing and will determine the feasibility and cost of placing hydropower generators on the Upper Sunshine and Greybull Valley (Roach Gulch) reservoirs. Currently the hydrologic and reservoir operations analyses have been completed and the power potential

evaluation has been started. Hydropower feasibility studies must be completed by the WWDC in order for the project to qualify for loans from the State Land and Investment Board.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action required.

**52. PROJECT: Greybull Valley ID Hydroelectric**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 7 | 2002 | I | $60,000 | 2004 |
| Level III | 121 | 2007 | I | $476,000* | 2012 |
| Level III | 14 | 2012 | I | $150,000** | 2014 |

*100% loan for design and permitting only
**This reduced the 2007 appropriation from $476,000 to $150,000

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

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

Subsequent to the 2007 appropriation the WWDC changed their position on hydroelectric project construction funding, and the Legislature authorized the State Loan Investment Board to fund construction of these projects. As a result, the 2012 Legislature amended the 2007 Legislation to reduce the appropriation from $476,000 to $150,000, which is a loan (4%, 50yrs) for 100% of the actual engineering design costs.

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

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

**53. PROJECT: GVID Upper Sunshine Diversion**

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**54. PROJECT: GR-RS-SC Raw Water Reservoir**

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

EXISTING LEGISLATION

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

*50.5% Grant

PROJECT INFORMATION:
In 2005 and 2007, the legislature appropriated $250,000 and $220,000, respectively, for the Green River-Rock Springs-Sweetwater County Master Plan. The master plan identified the need for a raw water management study. In 2009, the legislature appropriated $350,000 to complete

the GR-RS-SC JPB Water Supplies Level II study that identified a reservoir site and developed a cost estimate to build the reservoir.

It was determined that the reservoir would provide two benefits to the system. One is for raw water storage that replaces the need for additional finished water storage, which would cost approximately $58M, and the second is to act as a settling basin to remove sediment, which will benefit the efficiency of the Water Treatment Plant (WTP).

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

Design and permitting is underway with the anticipated construction starting in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative is action required.

**55. PROJECT: Groundwater Studies**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| GW Grants | 8 | 1981 | I | $3,000,000 | N/A |
| GW Grants | 35 | 1984 | I | $1,000,000 | N/A |
| GW Grants | 7 | 2002 | I | $1,500,000 | N/A |
| GW Grants | 75 | 2005 | I | $1,000,000 | N/A |
| GW Grants | 33 | 2008 | I | $ 500,000 | N/A |
| GW Grants | 57 | 2012 | I | $ 800,000 | N/A |

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

During the drought in early mid-2000, it became apparent that additional funding would be beneficial to assist municipalities and special districts addressing shortages in their drinking water supply. In 2002, an additional $1,500,000 was appropriated for the program; the grant amount was raised to a maximum of $400,000 per entity; and the program was expanded to include water, water and sewer, and service and improvement districts. Subsequently, the WWDC recommended and the legislature approved additional program funds of $1,000,000, $500,000, and $800,000 in 2005, 2008, and 2012, respectively.

CURRENT SPONSOR + ACTIVE/OBLIGATED FUNDS
City of Torrington (Municipal irrigation well): $ 41,250.00

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**56. PROJECT: Guernsey Master Plan**

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

EXISTING LEGISLATION:

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

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

Work completed thus far on the project primarily include: pump testing of supply wells; water quality testing; data gathering and GIS mapping of the system; and, identification of problem areas and needs for system improvements. Preliminary work on the hydraulic model and the rate study has also started. This project is on time and on budget with a completion scheduled for Fall of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

**57. PROJECT: Hanna Water System**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 1 | 2011 | I | $125,000 | 2013 |

PROJECT DESCRIPTION:
In 2011 the Town of Hanna requested a master plan to inventory their system, identify current and future needs, provide recommendations for upgrading the system, and help develop financial strategies for funding, upgrading, and managing the system. The Hanna Master Plan Level I scope of work has been satisfied. The final product is scheduled to be received by the office in December 2012. The study identified several deficiencies in the system, mostly in their transmission and distribution lines. The study recommended a Level II feasibility study to estimate costs and to design transmission lines for future Level III funding applications.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Hanna Master Plan be advanced in the New Development Program to Level II status with an appropriation of $100,000.

**58. PROJECT: Hawk Springs Master Plan**

LEVEL: Level II
SPONSOR: Horse Creek Conservation District
LOCATION: Goshen County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

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

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

The majority of the work completed thus far on the project involves the near completion of the bathymetric survey of the reservoir and the "wet" and "dry" surveys, inventories, and engineering assessments of the main canals. Thorough reviews of existing and background information have also been conducted. This project is on schedule and on budget with a completion scheduled for Fall of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

**59. PROJECT: Heart Mountain Irrigation District Master Plan**

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

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

The District does not possess a formal master plan. Previous studies were limited to an evaluation of a few specific irrigation structures and only provided the District with a rudimentary GIS product. Engineering assessments of all system components were not completed, nor were a

prioritization of recommended improvements and cost estimates. As it currently stands, the District's GIS is limited in terms of functionality, especially with regards to updating information on the stored data, incorporation of photographs for reference, and inclusion of structure assessments and a prioritization matrix.

The primary objectives of this master plan would be to furnish the District with a prioritized list of improvements and to expand its GIS functionality, providing a graphical user interface (GUI) that would facilitate future data entry and other provisions the District requires of its GIS in a user-friendly environment. Additionally, this master plan would evaluate system operations and expanded use of SCADA. Water rights would be reviewed and compiled into the District's GIS along with easements and rights of way.

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

**60. PROJECT: Heart Mountain Rehabilitation 2010**

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

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the Heart Mountain Irrigation District to complete the rehabilitation projects identified in the 2007 Level II study. In 2010, the Heart Mountain Rehabilitation 2010 Project was funded to replace open ditches with pipelines, construct two diversion structures, and to automate two spill sites. The sponsor completed the work on Laterals H24, H55, and H79-5, as well as installing automated control gates at the Alkali Creek spills, one location on the Heart Mountain Canal and the other location on the Ralston Lateral.

During the 2012-2013 winter the sponsor is replacing open ditch on the Lower Ralston Lateral with a buried pipeline and automating the check structure serving Ralston Lateral. Construction of the remainder of the project is anticipated to be completed prior to the 2014 irrigation season.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**61. PROJECT: Highline Canal**

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

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:

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

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

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

This project was originally expected to be completed in 2009, but due to issues noted above construction has not started at this time. The Sponsor has received additional funding from the U.S. Bureau of Reclamation which will enable the project to proceed. The construction portion of the project was recently bid out and a contractor has been recommended for the project.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

**62. PROJECT: High Meadow Ranch Master Plan**

LEVEL: New Application (Level I)
SPONSOR: High Meadow Ranch Water Users
LOCATION: Sublette County
PROGRAM: New Development

EXISTING LEGISLATION
NONE

PROJECT INFORMATION
The High Meadow Ranch development is located eight miles southeast of Pinedale off of Highway 191 and the water system serves approximately 782 residents (274 taps). Their water source is supplied from three wells with estimated depths in the range of 900 – 2,750 feet. The distribution system consists primarily of 4" diameter PVC pipe with an average age of 38 years.

The Sponsor has struggled in recent years to maintain the reliability of the water system and at times residents have had to haul water. This project includes a complete analysis of the system to identify deficiencies and the development of a long term system plan. Study components include additional source capacity, water storage and distribution system analyses.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be funded as a Level I study in the New Development program in the amount of $175,000.

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

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
The Indian Paintbrush Water District is a recently formed (Aug. 2010) entity composed of adjacent residential subdivisions and segregated tracts in Teton County that share a public water supply system installed in the early 1970's. The District occupies approximately 240 acres in Section 33, T41N, R117W in the Flat Creek drainage (trib. Snake River) and is 1¼ miles south of Wilson on the Fall Creek road. The District sought WWDC funds as a new applicant in 2012 to make improvements on an aging system that has inherent deficiencies in serving the present users. The principal source supply well is experiencing declines in production; storage is undersized and decrepit; and there is suspected significant leakage in the distribution system, all contributing to inadequate year-round supply problems. The WWDC study includes an analysis of water supply alternatives, leak detection, storage component alternatives, and a follow-up feasibility study to the District-funded 2009 master plan to guide the district in operations and suggesting a best-fit water rate structure to meet the costs for upgrades and O&M. As it is likely that Phase I of the study will conclude that groundwater is the best alternative, there is funding in the budget to conduct a Phase II groundwater exploration program.

RECOMMENDED LEGILATIVE ACTION:
No legislative action required.

**64. PROJECT: Interstate Canal and Beaver Meadows Reservoir Rehabilitation**

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

EXISTING LEGISLATION: None
PROJECT INFORMATION:
The Beaver Meadows Reservoir, originally designed for 2,461 acre-feet capacity, is located entirely in the Ashley National Forest in Utah and is permitted under a Special Use Permit. Approximately ten miles of the length of the Interstate Canal system is located in Utah; the remaining four miles is located in Wyoming. Approximately 98% of the lands irrigated by the project are located in Wyoming. The reservoir's water supply is from Lost Creek, a tributary of Burnt Fork, and the canal system is supplied by Beaver Meadows and two other reservoirs on Burnt Fork Creek. Burnt Fork is a tributary of Henrys Fork. The IIRC is located in McKinnon, Wyoming.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC requests that the Legislature appropriate $180,000 during the 2013 Legislative Session to fund a Level I Study.

**65. PROJECT: Jeffrey City Water Supply**

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

EXISTING LEGISLATION:

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**66.** **PROJECT:** **Jeffrey City Water System Improvements**
LEVEL: III
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. In late 2012, WWDC completed a master plan and water system feasibility study to solve problems of operating the system with an oversized and deteriorating storage tank, inefficient pumping system (well and pressure boost pumps), and rudimentary controls.

Primary upgrades to the system, recommended in the WWDC 2012 Level II report, include, 1) activate an existing well in town (Jeffrey City Townsite No. 3 Well, Permit No. U.W. 31855, presently used for raw water load-out) and tie into system for flushing purposes, 2) drilling a redundant supply well to meet DEQ Chapter 12 source supply capacity requirements, 3) installing two 250-gallon pressure-bladder tanks to limit well pump starts, 4) programmable well controls, 5) new chlorination systems for both supply wells, and 6) appurtenant well housing, piping, fencing, improvements, etc. The existing 250,000 gallon storage tank will be abandoned in favor of the two-well (plus 1 system maintenance flushing well) system.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III status with an appropriation of $418,750. This appropriation will serve as a 67% grant for design and construction costs, with the remaining 33% being sought as a loan (2½% interest) through the Wyoming State Drinking Water Revolving Fund.

**67.** **PROJECT:** **Kirby Rehabilitation 2011**
LEVEL: II
SPONSOR: Kirby Ditch Irrigation District
LOCATION: Hot Springs County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

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

*67% grant, 33% loan

PROJECT INFORMATION:
The Kirby Ditch Irrigation District and the Kirby Ditch Company operate a gravity flow headgate and canal system. Water is diverted from the Big Horn River and delivered to approximately 3,200 acres of irrigated lands. There are 47 landowners served on this system. The Kirby

Irrigation District Conservation Program-Level II study conducted an evaluation of the potential for delivery system and on-farm water conservation opportunities; reviewed current operations including water appropriation and water rights; and determined conveyance losses.

In 2011 this project received funding to rehabilitate the main diversion headgate and construct improvements on the main canal. Execution of legal documents for the project is complete and the project is in design. Construction of the project is anticipated in 2013 with project completion in 2014. WWDC funding will finance design, construction, construction engineering, and land rights as necessary to construct the project. The construction will be publically bid and built by a contractor.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**68. PROJECT: LaBarge Water Supply**

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

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

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

In 2007 it was determined that the bedrock aquifer (Wasatch Formation) near LaBarge would not meet the Town's minimal needs for quantity and quality. Subsequently, a shallow TDEM resistivity survey, conducted on the meander deposits of the Green River, revealed potential for alluvial ground water development. A borehole exploration program was completed in 2009-

2010 to determine the feasibility of an alternate alluvial source. No viable alluvial source was discovered in those efforts.

In early 2011, the town started utilizing new water treatment facilities. The Level II study provided a conceptual design and cost estimates for a new Green River diversion structure to serve the new water treatment plant. The 2011 Legislature appropriated a 67% grant and 33% loan in the amount of $370,000 for the design and construction of the new intake diversion structure. The engineer was able to complete the design of the project in 2012. The project was successfully bid and awarded in late-2012. The bid prices exceeded the funding available and the Town received additional funds in the amount of $55,000 from the Sponsor Inflation Account. Currently, the project is under construction and is anticipated to be completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**69. PROJECT: Lakeview Irrigation Master Plan**

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

EXISTING LEGISLATION:

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

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

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

This master plan is providing the district with a system inventory and GIS mapping, engineering assessments, and a prioritized list of improvements. Results of this study will allow the district to take a proactive approach toward implementing rehabilitation or replacement of existing features and help plan mitigation toward any potential liability concerns pertaining to the encroachment of residential subdivisions into the district's service area.

The majority of work thus far on the project involved finalizing the GIS data dictionary and subsequent completion of GIS field mapping of the main canal and laterals. General Land Office mapping layers (quarter-quarter sections or resurvey tracts for each section or lot/tract) have been completed, and development of water rights mapping is continuing. Staff gages have been placed in selected canal reaches for measurement of seepage losses. Reviews of existing and background information have also been conducted. The final GIS product will be enhanced with a user-friendly graphical user interface (GUI) to simplify the use of the software in terms of accessing the data and files compiled during this study. This project is on schedule and on budget with a completion scheduled for Fall of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action required.

**70. PROJECT: Lance Creek Well Connection**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | I | $100,000 | 2010 |
| Level II | 1 | 2011 | I | $260,000 | 2012 |
| Level II | Agency budget-900 series | | I | $32,500 | 2012 |

PROJECT INFORMATION:
The U.S. Environmental Protection Agency (EPA) has issued an administrative order to the District for exceeding the arsenic maximum contaminant level (MCL). The sponsor requested a Level II study to conduct a groundwater feasibility study to determine if a replacement well could be constructed into the Lower Cretaceous Inyan Kara Group ("Dakota") that would have sufficient water quantity to serve as a water supply for the District and will meet primary drinking water standards for arsenic, radium, and gross alpha.

During 2012, the Level II study evaluated the feasibility of constructing a test well with different screened intervals into the Inyan Kara Group (Dakota) to provide water supply meeting drinking water standards. Unfortunately, the first two test wells constructed near the District's State #1 Well also showed arsenic levels exceeding the MCL and were not acceptable for use. A third test well was constructed as an offset of the District's State #2 Well and resulted in good quality water that meets primary drinking water standards for arsenic, radium, and gross alpha. An additional $32,500 was added in 2012 to the Level II study to conduct a full seven-day pumping test of the third test well.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the Lance Creek Well Level III appropriation be approved for $170,000. WWDC financing will be a 67% grant and 33% loan.

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

EXISTING LEGISLATION:

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

* 50% grant

PROJECT DESCRIPTION:
The City of Lander diverts its water from the Middle Fork Popo Agie River. From the water treatment plant, below the diversion, water flows by gravity to a 4MG storage tank thence to town and three other storage tanks (Ellis tank, Mager tank, and Rodeo tank) that serve separate pressure zones. The proposed project combines several improvements discussed in the WWDC Level I study completed in October 2011. Improvements included in this project are located on the southern or eastern sides of Lander and are specifically selected to result in significant upgrading of the transmission facilities. The project includes sundry component improvements including pipeline upsizing, transmission segment replacement, 2 new PRV vaults, rebuilding of 2 PRV vaults, replacement of an emergency feed to the downtown area, replacement of altitude valves that control filling of the subsidiary tanks, and major replacement of the rapidly deteriorating 20" AC transmission line running down Sinks Canyon Road to Fremont Street, that serves 80% of Lander's population. The project is needed to approve the efficiency of the Lander water supply system.

The project agreements have been completed and the design of the project is progressing. The design should be completed in 2013 and the construction should be completed by the end of 2014.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**72.** **PROJECT:** **Laramie Transmission Pipeline**
LEVEL: III
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: New Development

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

PROJECT INFORMATION:

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

In 2011, the City completed the pipeline segment from the Laramie River to Lake Sodergreen with a remaining budget of approximately $2.0M. In September 2011, the City submitted a funding application to replace the 36-inch pipeline from Lake Sodergreen to the Laramie Water Treatment Plant. The city's application indicates that this segment of transmission pipeline experiences major breaks each year requiring the City to shut down water production at the plant to repair the pipeline.

The project is currently under design and the City anticipates bidding the project in the summer of 2013.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

**73. PROJECT: Little Snake Diversions**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

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

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

However, by combining the Water Development funding with funds from other sources, the District was able to award a contract for these two diversions. The District requested and received additional financial assistance to re-construct the last two of the four diversions in 2012. The project is on schedule as of the end of 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**74. PROJECT: Little Snake Rehabilitation 2011**

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

EXISTING LEGISLATION:

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

*67% grant

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**75. PROJECT: Little Snake River Small Dams and Reservoirs Phase II**

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

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

**76. PROJECT: Little Snake River Watershed Study**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
Little Snake River Conservation District requested a watershed study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and develop a geomorphic classification. This information will provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage, irrigation, and upland livestock/wildlife water management and rehabilitation plans are also of interest.
The Little Snake River watershed, located south of Rawlins in Carbon County, is approximately 1,980,000 acres with land ownership divided among federal (80%), and private/state (20%). The watershed includes one primary river system, the Little Snake River, and tributaries including Roaring Fork, Battle Creek, Savery Creek, Muddy Creek, Shell Creek, and Vermillion Creek. The final report is expected in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
In 2008, the Savery-Little Snake River Water Conservancy District (District) and the Little Snake River Conservation District requested an appropriation of $15 million for Level III funding to finance construction of a dam and reservoir to provide supplemental late season irrigation water to lands within the Little Snake River basin. The request was in response to the un-met demand for supplemental irrigation water in the Little Snake River Basin. However, the WWDC recommended embarking upon a Level II program.

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

The District consists of 20,000 acres in the Little Snake River drainage downstream from the Little Snake River/Savery Creek confluence and the Savery Creek drainage. With additional storage located above this confluence, the District may be able to serve additional users, which would require the District to amend their service area boundary. Storage constructed above the Savery Creek/Little Snake River confluence could also serve as a supplemental supply for existing District members.

In 2008, the Legislature appropriated funds for a Level II Study, which focused on development of the purpose and need statement and screening criteria of potential reservoir sites. The sites screened in the study are located in the Savery Creek drainage and drainages upstream of the Little Snake River/Savery Creek confluence.

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending initial permitting and design funding of $7,000,000. The total construction budget is estimated to be $68,000,000.

**78. PROJECT: Lovell Canal Rehabilitation 2012**

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

EXISTING LEGISLATION:

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

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

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

In 2012 the sponsor received an appropriation for materials to pipe the uppermost portion of the Bench Lateral. However these funds have not been used due to the large resource commitment required of the sponsor. Therefore the sponsor requested that a shorter segment of the Bench Lateral lower on the ditch be substituted, allowing the sponsor to finance its share with self-generated resources. The request has been permitted, allowing the appropriation to be reduced to $299,000 for the purchase of invoiced materials. The remaining $266,000 is being reverted to the Water Development Account II. This project will be complete prior to the 2014 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the appropriation for the Lovell Canal Rehabilitation 2012 Project be reduced to $299,000, remaining in the Rehabilitation Program at Level III status. The financing plan will remain a 100% grant for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

**79. PROJECT: Lovell Master Plan**

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

EXISTING LEGISLATION

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

PROJECT INFORMATION:
In 2001, Lovell completed the Water Distribution System and Sewer Collection System Master Plans. There have been several upgrades as a part of the 2001 planning efforts. The hydraulic model is now out of date and the upgrades need to be included in that modeling. There are problems with supply and pressure in the system that need to be investigated as well as analyses of the pumping and storage in the system.

This project is ongoing and will be focused on updating the previous water master plan. The mapping, population projections, and the hydraulic model have all been started.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action required.

**80. PROJECT: Lovell Transmission Pipeline**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 14 | 2012 | I | $67,000* | 2017 |

*67% Grant

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

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

The final phase will be along Main Street in conjunction with a WYDOT highway improvement project and is scheduled to be designed in 2012-2013 and an anticipated construction date in 2013-2014. The Town of Lovell has indicated that it is unable to incur additional debt for the Main Street project due to the previous investments in the water supply system. A recommendation is being made to provide grant funding of $703,500 for the WWDC eligible construction costs with the remaining balance financed with a pending mineral royalty grant of $3,596,605.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program at Level III-Phase II status with an appropriation of $703,500. The appropriation provides a 67% grant for the construction of WWDC eligible project components. The sponsor is responsible for the remaining Level III-Phase II project budget.

**81. PROJECT: Lower Nowood Water Supply**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | I | 2011 | I | $70,000.00 | 2012 |

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

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

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

The Level II study will complete the following tasks:

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

Additionally, following the final report presentation the Office Project Manager was contacted about a well that an area resident would be willing to sell to the Lower Nowood Water Users for potable water. Good quality drinking water wells in the area are often very deep, which is why not all individual homeowners can afford to drill them. The well that has been proposed for sale would need to be investigated for quality and condition before it could be purchased by the Lower Nowood Residents. Therefore if they are unable to finalize a regional agreement with the Town of Ten Sleep, we will investigate the well as a potential second option.

RECOMMENDED LEGISLATIVE ACTION

The WWDC recommends that the Lower Nowood Water Supply Project be incorporated into the New Development Program at Level II for $75,000.

**82.** **PROJECT:** **Lusk Master Plan**

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

PROJECT IDESCRIPTION:

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

The Level I study of the Town's water system helps to plan for future growth and determine options for increasing the system capacity and efficiency. The recommended Level I Master Plan Study includes water system mapping/surveying, evaluating the Town's aging pipelines, valves, and fire hydrants. The Town's pipeline system consists of aging cast iron, ductile iron, and asbestos-cement pipe. Some of the older pipe is dated 1918. The Town would like to look into installing more valves and upgrade their entire water supply system, as needed.

RECOMMENDED LEGISLATIVE ACTION:

The WWDC recommends the project be incorporated in the New Development Program at Level I with an appropriation of $200,000.

**83.** **PROJECT:** **Manville Well**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 1 | 2011 | I | $260,000 | 2013 |

PROJECT INFORMATION:

The U.S. Environmental Protection Agency (EPA) has issued an administrative order to the Town of Manville as its water supply is exceeding the uranium maximum contaminant level (MCL). This Level II groundwater feasibility study was requested to determine if a replacement well could be constructed to a depth of approximately 1,300 feet into the deeper Paleozoic Aquifer (Hartville Formation and others) that will have sufficient water quantity to serve the Town and will meet EPA standards. The Level II study commenced with a hydrogeologic, structural, and well siting study during 2011. Due to access problems to private land and other legal issues involving constructing test borings/wells in the Manville area during 2012, the project due date will be extended one year to June 30, 2013.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required at this time.

**84.** **PROJECT:** **Middle North Platte River Watershed Study**
LEVEL: New Application
SPONSORS: Natrona County Conservation District
LOCATION: Natrona County
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 32 | 2006 | II | $200,000 | 2008 |

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

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

The WWDC conducted a Level II Feasibility Study for the Casper Alcova Irrigation District in 2008. Also, the Wyoming Department of Environmental Quality Water Quality Division has completed a Total Maximum Daily Load analysis of water quality of the North Platte River. This study will develop an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information will be incorporated into a rehabilitation and management plan complete with cost estimates for potential future project activities. The final report is expected in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:
Construction of Middle Piney Dam was completed in 1940 with a permitted capacity of 4,201 acre-feet and a September 4, 1919 priority date. It is located on Middle Piney Creek in the Bridger 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) obtained full ownership of the Middle Piney Dam facility in 2000. Due to the dam being classified as a high hazard structure because of its potential for loss of life or property in the event of failure and noted seepage and outlet works problems, USFS maintains the control gate in the open position and does not use the historic storage. USFS has been planning on breaching the embankment to remove any liability.

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 storage 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 availability of stored irrigation water for use by irrigators along Middle Piney Creek below the reservoir. The additional farm and ranch income generated by this irrigation water will also have a stimulating, or "multiplier effect", on the regional and state economies. Other potential project effects include recreation and the possibility of mitigating occasional flood events below the reservoir site. By and large, it was concluded that the project would have a positive benefit/cost ratio.

Additional funding was received following the 2009 legislative session to continue the study. Work has been underway to further analyze foundation seepage and assess the feasibility of providing an economic seepage cutoff system for Middle Piney Dam and Reservoir. In addition, WWDC is working with the USFS and local irrigators to develop a partnership that would allow for successful completion of the project and provide benefits to all parties, including the local community and environment. If this proves favorable and the sponsor develops a legal entity, which they have expressed interest in doing, future 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.

**86.** **PROJECT:** **Midvale Rehabilitation 2013**
LEVEL: III
SPONSOR: Midvale Irrigation District
LOCATION: Fremont County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

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

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the District to complete the rehabilitation projects identified in Level II studies. The replacement on the Pavillion Main E Lateral of a dilapidated concrete ditch with a buried pipeline authorized in the 2011 appropriation has been designed and construction began in late October of 2012. The construction will be completed prior to the 2013 irrigation season.

The district will replace a concrete ditch with a buried pipeline on Wyoming 15.1 Lateral with the 2012 appropriation. The project is in design and is expected to be built and completed in the fall/winter of 2013-2014. The construction will be performed with district resources at district cost.

The district is requesting a material's only grant in 2013 to replace a concrete check and drop structure. The Wyoming 37.2 Muddy Creek structure has deteriorated and has been identified as losing water due to seepage, evaporation and operational waste. 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 and will be completed in the 2014-2015 season.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Midvale Rehabilitation 2013 Project be incorporated into the Rehabilitation Program at Level III status with an appropriation of $317,400. The financing plan includes a 100% grant for the purchase of invoiced materials. The sponsor is responsible for the remainder of the project costs.

**87.** **PROJECT:** **Moorcroft Madison Well Water Supply**
LEVEL: III
SPONSOR: Town of Moorcroft
LOCATION: Crook County
PROGRAM: New Development

EXISTING LEGISLATION:

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

*60% grant

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

PROJECT INFORMATION**:**

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

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

Construction of this project started in 2010 and is essentially complete. The project is expected to be closed out in 2013.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

**88. PROJECT: Mountain View Acres Connection**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 75 | 2005 | II | $300,000 | 2018 |
| Level II | 99 | 2006 | II | $125,000 | |

PROJECT INFORMATION:

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

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

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

A recommendation is being made to provide grant and loan funding of $95,000 for the WWDC eligible costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to Level III status in the New Development Program with an appropriation of $95,000. The proposed financing plan provides a 67% grant and a 33% loan with an interest rate of 4% and term of 10 years.

**89. PROJECT: North Platte Water Yield Analysis**

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

EXISTING LEGISLATION:

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**90. PROJECT: Northwest Rural Northern Expansion**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III-I | 14 | 2012 | I | $281,400 | 2017 |

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

The sponsor is seeking financing from several funding agencies for replacement of the NEWU water system. Phasing the project will allow the sponsor to complete the design while seeking complimentary funding. In 2012 the WWDC recommended the project be incorporated into the New Development program at Level III-Phase I status with an appropriation of $281,400. The financing plan includes a 67% grant to be used for design, permitting, land acquisition, and related preliminary activities. The sponsor also obtained matching design phase grant funds from the State Land Investment Board.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be advanced to receive Level III-Phase II funding with an appropriation of $3,408,625. The financing plan includes a 67% grant to be used for construction activities. The sponsor will be responsible for obtaining the remaining 33% funding.

**91. PROJECT: Nowood River Storage**

LEVEL: II
SPONSOR: Nowood River Steering Committee
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 | 2013 |
| Level II | 57 | 2012 | III | $350,000 | 2013 |

PROJECT INFORMATION:
Citizens of the Big Horn Basin requested a Level I Storage/Watershed Study to determine the best and most beneficial water storage system for the Nowood River Watershed area. Level I funding was obtained through the Dams and Reservoirs Program during the 2008 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.

During the 2009 legislative session, the Nowood River Steering Committee requested and received funding for a Level II Storage Feasibility Study to further explore storage opportunities identified in the Nowood River Storage/Watershed Level I Study and to determine the best and

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

During the 2012 legislative session, the Nowood River Steering Committee requested and received additional funding for a Level II, Phase II Storage Feasibility Study to further consider the Meadowlark Lake and Alkali Creek sites. The additional study has and will focus primarily on the development of a beneficiary group, hydrologic analysis, site survey, geotechnical and environmental investigations and economics to further refine the project to the status necessary for a permitting and final design funding request.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**92.** **PROJECT:** **Osmond Pipeline Master Plan**
LEVEL: New Applicant
LOCATION: Lincoln County
PROGRAM: New Development

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that the project be incorporated into the New Development Program with an appropriation of $75,000.

**93.** **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 ends near the Hamilton Dome road. There will be need for additional storage and pumping as part of the project. The Town of Thermopolis has documented it will supply water to the district.

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

In 2011, the District secured the services of an engineer and started the design of the project. During 2012, the water agreement, project easements and project design were completed. The project has entered the bidding phase. The project is anticipated to be awarded in late-2012 or early-2013 with construction to follow.

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

**94.** **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) is 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 has been 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 were solicited. The construction contract was awarded and the project has subsequently been constructed. The date of substantial completion was January 11, 2012. The only remaining items involve obtaining cultural clearances and the need to complete warranty work during the Spring of 2013.

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. The 2010 Legislature enacted W.S. 99-99-1001(a)(viii) and (k), which established the Pathfinder Modification Debt Service Account and specified that revenues from the sale or lease of water from the Wyoming Account would be deposited in the Pathfinder Modification Debt Service Account to assist in paying for the state's annual operation and maintenance costs. During the last water year, revenue from the sale of surplus water from the Wyoming Account has been deposited in the Pathfinder Modification Debt Service Account.

Water is presently accruing in both the Environmental and Wyoming Storage Account.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required

**95. PROJECT: Pavillion East Water Supply**

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

EXISTING LEGISLATION:

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

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

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

The Pavillion East Water Supply Level III construction project commenced in October 2012 and the first phase of cistern construction is anticipated to occur during the spring-summer season of 2013. The construction of a water-loading station in the Town of Pavillion is also part of the appropriation.

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

**96. PROJECT: Pavillion Water System Improvements**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 1 | 2011 | I | $100,000 | 2012 |

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

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

The Town is now intending to proceed with water system improvements and has made a Level III project request to the WWDC. In so doing, the project name has been changed from Pavillion Water Supply (Level II) to Pavillion Water System Improvements (Level III). The Level III project will upgrade existing wells, improving wellhead protection, connect wells directly to transmission lines, install a SCADA system to improve operational control, and remove an existing stand-pipe tank.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to level III status in the New Development program with an appropriation of $214,500 for design and construction. The proposed financing plan provides for a 67% grant and 33% loan with a 30 year term at 4% interest rate.

**97. PROJECT: Pinedale Pipelines**

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

EXISTING LEGISLATION:

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

* 67% grant, 33% loan

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

The anticipated budget for both pipelines was estimated to be $11,470,000. Due to funding constraints, the WWDC had to phase the funding for the project. The 2009 Legislature appropriated $7,900,000 for the construction of the east transmission pipeline and design of the west transmission pipeline. The 2010 Legislature appropriated $3,570,000 for construction of the west transmission line.

Issuance of a U.S. Forest Service Special Use Permit for the east transmission line was obtained in November 2009. Design of this line was completed in December 2009 and a contract for the construction was awarded in April 2010. Work on the east transmission line was completed in December 2010. Design of the west transmission line was completed in August 2011 with a construction contract awarded in October 2011. Construction of the project was completed in 2012 and project close-out is underway and will be completed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**98. PROJECT: Pine Haven Tank and Well Study**

LEVEL: New Application
SPONSORS: Town of Pine Haven
PROGRAM: New Development

EXISTING LEGINSATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | | | I | $92,162.00 | 1989 |
| Level III | | | I | $235,000.00 | 2002 |
| Level II | | | | | 2003 |
| Level III | | | I | $81,528.00 | 2005 |
| Level I | 33 | 08 | I | $98,879.56 | 2009 |
| Level III | | | I | $154,500.00 | 2010 |

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

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

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project be incorporated into the New Development Program at Level II status with an appropriation of $100,000.00.

**99. 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 | 2013 |

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

An agreement was developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System to conduct the study. As of December 2011, all aquifers within the Platte River Basin have been

inventoried and described. The aquifers have been mapped and recharge areas identified. Currently researchers are describing the hydraulic properties of the aquifers, and assessing the quantity and quality of available groundwater. In the coming months, the tasks to be accomplished are to estimate aquifer recharge rates, storage quantities and discharge rates. The Platte River Basin Groundwater Report should be available in the spring of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**100. PROJECT: Poison Spider Pipelines**

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

EXISTING LEGISLATION:

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

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

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

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

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

In 2011, the District received a Level III New Development project with an appropriation of $1,036,000 (67% grant, and 33% loan). The District secured the services of an engineering firm and initiated the design process.

During 2012, the project design was completed, the necessary easements were secured and the project was successfully bid and awarded. The project has entered into construction and the project is anticipated to be completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**101. PROJECT: Probable Maximum Precipitation Cool Season Analysis**
SPONSOR: Wyoming Water Development Office/Wyoming State Engineer's Office and the Natural Resources Conservation Service
LOCATION: Statewide
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

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

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

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

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

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

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

Recent written communication from the State Engineer's Office indicates that dams in the state are showing their age and that spillway design for high or significant hazard dams must use either

the full PMF or ½ PMF, respectively. They note that significant savings would be available for owners of high and significant hazard dams, provided that the state undertakes a PMP study that would provide justification for design and construction of smaller, less expensive spillways.

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

RECOMMENDED LEGISLATIVE ACTION:
To complete the study, the WWDC recommends that the legislature appropriate $250,000 to conduct a warm and cool season analysis in addition to the all-season analysis that is currently underway.

**102. PROJECT: Rawlins Atlantic Rim Reservoir**

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

EXISTING LEGISLATION:

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

*67% grant, 33% loan

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

In 2009, through additional investigations, it was decided to pursue the rehabilitation of Atlantic Rim Reservoir, with a capacity of 644 acre-feet, rather than construct a new re-regulating reservoir. This reduced the total project budget by approximately $8,000,000. Since the project changed from the New Development Program (construction of a new reservoir project) to the Rehabilitation Program (repair of the existing Atlantic Rim Reservoir), the funding source was changed to Water Development Account II in 2010.

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

The design of the project was completed and construction bids were received in the fall of 2011. The project was substantially complete in October 2012.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**103. PROJECT: Rawlins Operations Study**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**104. PROJECT: Reliance Water Supply**

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

EXISTING LEGISLATION

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

*67% grant

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

The 2011 Legislature appropriated $1,742,000 (67% grant) for design, permitting and construction of the new tank. An engineering design contract was authorized in September 2011. Tank construction was substantially completed in December 2102 with completion scheduled by May 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**105. PROJECT: Riverton Valley Rehabilitation 2013**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 86 | 2001 | II | $40,000 | 2002 |

PROJECT INFORMATION:
The Riverton Valley Irrigation District (RVID) has completed previous lateral rehabilitation projects in 2002, 2005 and 2009 that were outlined in the Level II Master Plan. The requested funding is to purchase materials for piping of two laterals located within the district.

The Sponsor is requesting funding in 2013 in the amount of $137,000 as a 100% materials only project. This project consists of replacing two ditch segments, the Pig-Pen Lateral and the Riverbend Lateral with buried pipe. These laterals were not included in the 2002 Level II Master

Plan. The Pig-Pen Lateral due to previous easement issues with landowners and the Riverbend Laterial became part of the Irrigation District in August 2010 after the Master Plan was completed. These will be the last laterals to be rehabilited. The piped laterals will better facilitate control of the water and reduce losses to seepage and evaporation. The total length of the lateral segments to be piped is approximately 4,260 feet.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that the Riverton Valley Rehabilitation 2013 Project be incorporated at Level III status into the Rehabilitation Program with an appropriation of $137,000. 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.

**106. PROJECT: Riverton Water Supply**

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

EXISTING LEGISLATION:

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

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

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

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**107. PROJECT: Rolling Hills Water Supply**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

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

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

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

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

**108. PROJECT: Savery Creek Diversions Phase II**

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

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

This project is similar to another ongoing Level III project located in the lower main-stem of the Little Snake River Valley near Baggs, Wyoming that is currently under construction. Although it includes the reconstruction/rehabilitation of a main stem Little Snake River Diversion (higher in the drainage than those currently under construction), the emphasis of the Savery Creek Diversions Phase II is construction of two new diversions and replacement of two existing diversions on Savery Creek.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to Level III status in the New Development Program with an appropriation of $1,900,000. The proposed financing plan provides a 67% grant and a 33% loan with an interest rate of 4% and term of 30 years.

**109. PROJECT: Shell Canal Tunnel Rehabilitation**

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

EXISTING LEGISLATION:

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

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

The structure was evaluated at a reconnaissance level in the Shell Valley Watershed Level I Study and more thoroughly with the recent completion of the Shell Canal Tunnel Level II Feasibility Study. Visual and geotechnical inspections carried out during the Level II study clearly indicate that the structure has outlived its useful design life and is in need of rehabilitation. Furthermore, the study analyzed rehabilitation alternatives and provided practical and constructible solutions.
During the 2012 legislative session, the Shell Valley Watershed Improvement District, with the support of the Shell Canal Company, requested and received Level III funding to carry out the "open cut" alternative for rehabilitation of the Shell Canal Tunnel. The financing plan includes a 67% grant and a 33% loan with an interest rate of 4% and a term of 30 years. Final design and bidding have taken place. The construction contract should be awarded in late 2012, with construction anticipated to be complete in the spring of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**110. PROJECT: Shell Valley Storage**

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

EXISTING LEGISLATION:

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

PROJECT INFORMATION:

The Shell Valley watershed is approximately 370,000 acres with land ownership divided among private, State, BLM, and Forest Service. Shell Creek begins in the Big Horn Mountains and flows in a westerly direction until it empties into the Big Horn River below the town of Greybull. There are approximately 15,000 acres of irrigated lands within the watershed. The watershed includes one primary river system, the main stem of Shell Creek, and its primary tributaries including Trapper Creek, Horse Creek, and Beaver Creek. There are several reservoirs in the watershed, most notable being Lake Adelaide and Shell Reservoir. However, irrigation shortages still exist.

During the 2006 legislative session, the Shell Valley Watershed Improvement District requested and received funding for a Level I Watershed Study. The study provided a detailed evaluation of the watershed and incorporated available technical information describing conditions and assessments of the watershed. The project consisted of field investigations, development of a Geographic Information System (GIS), development of a prioritized list of potential water development and system rehabilitation projects, preliminary cost estimates, permitting requirements and funding opportunities. The watershed study was completed in early 2010. The storage component of this study identified potential water development opportunities.

During the 2010 legislative session, the Shell Valley Watershed Improvement District requested and received funding for a Level II Storage Feasibility Study to further explore storage opportunities identified in the Level I Watershed Study. The Level II study has evaluated storage opportunities capable of providing additional irrigation water in areas not served by existing reservoirs. The study has focused primarily on hydrologic analysis, potential demands for storage water, and site investigations to determine the most viable storage locations. Results of the study have been positive and show that the Upper Leavitt Reservoir alternative appears to be the most feasible site.

During the 2012 legislative session, the Shell Valley Watershed Improvement District requested and received additional funding for a Level II, Phase II Storage Feasibility Study to further consider the Upper Leavitt Reservoir alternative. The additional study has and will focus primarily on hydrologic analysis, site survey, geotechnical and environmental investigations and economics to further refine the project to the status necessary for a permitting and final design funding request. It has been found that due to wetlands present at the preferred Upper Leavitt Reservoir site, it will be necessary to bring other alternatives up to the same level of analysis to provide a full understanding of feasibility and environmental impacts for the NEPA analysis.

RECOMMENDED LEGISLATIVE ACTION:

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

**111. PROJECT: Sheridan North Loop Transmission Line**

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

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

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

A recommendation is being made to provide grant funding of $1,567,000 for the WWDC eligible costs.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC is recommending that this project be advanced to Level III status in the New Development Program with an appropriation of $1,567,460. The recommended financing plan includes a 67% grant with the Sponsor being responsible for 33% of the project budget.

**112. PROJECT: Sheridan Northwest/Big Goose Tanks**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 121 | 2007 | I | $5,260,840* | 2014 |

*67% grant

PROJECT INFORMATION:
Sheridan Northwest Tank
In December 2005, a Level II study was completed for the City of Sheridan to study the needs of the areas northwest of Sheridan including the Veteran's Administration Medical Center. This area is anticipated to grow in the near future and Sheridan is preparing for that growth. This project includes a new one-million gallon treated water storage tank, a new pump station to supply the tank, and three miles of new transmission line to serve the VA Medical Center.

Design was completed in mid-2009. Favorable construction bids were received and the project was successfully awarded. The project was constructed from 2010 to mid-2011. Project construction is finished.

Sheridan Big Goose Tank
In October 2002, a Level II study referred to as the Sheridan Hydropower Study was completed. It addressed water supply needs within the Big Goose Valley. In 2007, Sheridan received

funding for a new 1.5 million gallon treated storage tank near the Big Goose Water Treatment Plant.

During 2010, the city focused on addressing easement issues and working with the engineer designing the project. During 2011, the engineer finalized the design and successfully bid and awarded the project. The construction of the project has taken place through most of 2012 and is planned to be completed in late-2012. The project will enter the close-out phase and is anticipated to be finalized in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**113. PROJECT: Sheridan Supplemental Storage**

LEVEL: II
SPONSOR: City of Sheridan
LOCATION: Sheridan County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 105 | 2006 | III | $350,000 | 2010 |
| Level II (Phase II) | 57 | 2012 | III | $250,000 | 2015 |

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

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

The City is interested in developing storage of 2,000 acre-feet or more. The engineering scope of services for an ongoing Level II, Phase II study includes a review of the structural integrity of Sawmill and Park reservoirs. The Level II, Phase II study also includes an analysis of the improvements needed at Sawmill Reservoir to serve municipal and rural domestic needs within Sheridan and surrounding Sheridan County (SAWS service area). The owners of both facilities have agreed to grant access to their facilities during the term of the study.

The "scope of work" for the ongoing study includes a facility assessment for both Sawmill and Park Reservoirs, permitting and environmental analyses, identification of improvements needed

to use the reservoirs to supply water for municipal/rural domestic purposes, and legal issues involving potential transfers of Sawmill storage rights from agricultural use to municipal, rural domestic purposes. The study will also address the need to acquire a Special Use Permit issued by the Forest Service for construction of an access road to access Sawmill Dam.

Acquisition of Park reservoir shares, including documenting the difference in ownership of the A and B shares, identifying a management strategy during water-short years, and documenting a strategy for purchasing said shares from Park Reservoir is included in the analysis. The study will also include an economic analysis and estimate of fair market value for acquiring Park Reservoir shares and for purchase of Sawmill Reservoir.

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

**114. PROJECT: Shoshone Irrigation District Rehabilitation 2013**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 99 | 2006 | II | $300,000 | 2008 |
| Level III | 63 | 2011 | II | $585,000* | 2016 |

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

PROJECT INFORMATION:
The WWDC has systematically provided funding to the Shoshone Irrigation District to complete the rehabilitation projects identified in the Level II study. In 2011, the Shoshone Irrigation District requested funds to replace two concrete drop structures on the Garland Canal and to replace five ditch segments with about 27,710 feet of buried pipe. Financing from WWDC will be used to purchase materials and the sponsor will fund the engineering, land rights, and permits, and provide labor, equipment, and other resources necessary for construction of the project. The sponsor has completed construction on Laterals 6W and 20D as well as Garland Canal Drop Structure #17.

The sponsor is constructing the pipeline for Lateral 10A and replacing the Garland Canal Drop Structure #31 during the winter of 2012-2013. Construction of the Shoshone Rehabilitation 2011 Project is anticipated to be completed prior to the 2013 irrigation season.

The Sponsor is requesting funding in 2013 in the amount of $795,000 as a 100% materials only project. This project consists of replacing two concrete drop structures (#21 and #27) on the Garland Canal, and replacing four ditch segments, Lateral 7V-6, Lateral 12T, Lateral 16T, and Lateral16T-1 with buried pipe. Both drop structures are over one-hundred years old, deteriorated and need to be replaced. The piped laterals will better facilitate control of the water and reduce losses to seepage and evaporation. The total length of the lateral segments to be piped is approximately 24,430 feet, serving about 1,078 acres.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the Shoshone Rehabilitation 2013 Project be incorporated at Level III status into the Rehabilitation Program with an appropriation of $795,000. 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.

**115. PROJECT: Small Water Development Projects**

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

EXISTING LEGISLATION-New Development

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Small Projects | 88 | 2002 | I | $500,000 | |
| Small Projects | 118 | 2004 | I | $750,000 | |
| Small Projects | 114 | 2005 | I | $500,000 | |
| Small Projects | 32 | 2010 | I | $200,000 | |
| Small Projects | 14 | 2011 | I | $300,000 | 2013 |

EXISTING LEGISLATION-Rehabilitation

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Small Projects | 88 | 2002 | II | $500,000 | |
| Small Projects | 118 | 2004 | II | $750,000 | |
| Small Projects | 114 | 2005 | II | $500,000 | |
| Small Projects | 32 | 2010 | II | -$200,000 | 2013 |

PROJECT INFORMATION:

Pursuant to W.S. 99-3-703(j)(vii) and 99-3-704(g)(vii), a small project is a project in which estimated construction or rehabilitation costs, permit procurement, construction engineering and project land procurement are one hundred thousand dollars ($100,000.00) or less and where the maximum financial contribution from the WWDC is twenty-five thousand dollars ($25,000.00) or less.

Projects may include new development or rehabilitation of small reservoirs, pipelines, wells, windmills, springs, wetland developments, solar platforms, and irrigation conveyance facilities.

Projects must provide a public benefit through mitigation of water quality impairments, enhancement of threatened or endangered species habitat, the development or enhancement of habitat and water for fish and wildlife, increased recreational opportunities, provide water for maintenance of the integrity and vitality of plant and animal communities, serve as instruments to improve rangeland condition, or make beneficial use of water, as documented in a WWDC Level I watershed study.

The 2007 Legislature placed a hold on authorization of any new small water projects on or after April 1, 2010. The 2010 Legislature transferred $200,000 from Rehabilitation Account II to New Development Account I to keep the programs active and balance the available funds in the New Development and Rehabilitation Accounts without increasing the total investment in the Small Water Project Program. Also, the Small Water Project Program was extended to July 1, 2012.

Following is a listing of projects approved in 2003:

| Account I – New Development | Account II - Rehabilitation |
|---|---|
| Diamond S Ranch Pipeline* | Russell Ranch Pipeline* |
| Central Well* | Diamond S Ranch Well* |

Big Bend Pasture Well*
Emigrant/Four Mile Pits*
Perino Pipeline*
Gooseberry Creek Ranch Well*
Big Horn River Ranch Pipeline*
East Dry Creek #1 Well*
Crowfoot Ranch Well*
Jensen Wash Well*
Migration Well*
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*

Big Sandy Pipeline*
Coyote Reservoirs*
Cabin Creek Water Development*
TY Ranch Pipeline*
Old Steve Adams Duck Pond*
Poison Buttes/Cottonwood Ponds*
Jones Water Project*
Dixon Summer Project*
Croonberg Water Development*

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* | Mishurda Mtn.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 | Littlejohn Ditch Turnout |
| Grass Creek Divide | Sawmill Creek Headgate* |
| Horse Pasture Putney Flat Pipeline | |
| LU Farm Pivot Diversion | |
| North Prospect Pipeline* | |
| Pats Draw Pipeline | |
| Putney School Section Pipeline | |
| Ramul 21 Pipeline | |
| Reds Creek Pasture Pipeline* | |
| Spring Gulch Pipeline | |
| Wagonhound Spring Pipeline* | |

Following is a listing of projects approved in 2010:

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

Following is a listing of projects approved in 2011:

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

Following is a listing of projects approved in 2012:

| Account I – New Development | Account II – Rehabilitation |
|---|---|
| Beef Pasture Pipeline | Pellatz Spreader |
| Canyon Spring* | 220 Jacobs TB081B Well |
| Cook Spring | Kruse Ranch Dam |
| Edwards-Robinson South | |
| Hazen Draw Project | |
| Jim’s Meadow Pipeline | |
| Pellatz Pipeline | |

214 Jacobs W20-1 Well
216 Jacobs W29-1Well

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**116. PROJECT: Snake/Salt River Basin – Groundwater Analysis**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level | I | 2011 | I | $250,000 | 2014 |

PROJECT INFORMATION:

Groundwater is an important resource in the Wyoming Snake/Salt River Basin. Surface water development in the basin may be limited and future developments may need to rely on groundwater. To update the groundwater portion of the previous basin plan and to provide more detail on groundwater, the Water Development Office is conducting a detailed evaluation of the groundwater resources in the basin. The study includes analysis of groundwater use, storage, and recharge for aquifers within the basin. An agreement has been developed with the Wyoming State Geological Survey, in cooperation with the U.S. Geological Survey and the University of Wyoming Water Resources Data System, to conduct the study.

The Snake/Salt River Basin Groundwater Project is in its beginning stages. The beginning stages of these projects mainly entail data collection. The data collection phase of this project will continue through the spring and into summer of 2014.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action required at this time.

**117. PROJECT: South Circle Estates Water Supply**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | I | $50,000 | 2009 |
| Level I | 32 | 2010 | I | $30,000 | 2010 |
| Level III | 63 | 2011 | I | $321,600* | 2016 |

*67% Grant with no loan the District is acquiring the remaining 33% from other sources.

PROJECT INFORMATION:

The South Circle Estates is a subdivision just outside of the Town of Ten Sleep. The original developer of the subdivision installed a water system that has functioned for the Improvement and Service District for the last thirty years. Recently, the age of the pipe has taken its toll on the district with multiple breaks and leaks. In addition to line breaks, the district has experienced low water system pressure. Currently, the district has no storage and no redundancy in the event that there are problems with the well or pipelines.

Water from a shared flowing well is used by the district for domestic water needs and irrigation of small parcels. The irrigation lines are separate from the domestic lines and are much larger in

size. Additionally, several of the district members have pasture adjacent to their houses which they irrigate with their share of the well water. The district has a total of 20 domestic taps.

In 2008, the district requested a Level I study to analyze their system and determine what improvements were necessary. Water samples taken from the district well as a part of the Level I study indicated elevated radionuclides. As a result of the water quality analysis, the district requested additional Level I funding in 2010 to focus on a connection to the Town of Ten Sleep's water system.

The 2010 Level I report recommended the District connect to the Town of Ten Sleep's water supply system. In 2011 the district received Level III funding for the project which consists of constructing approximately 4,000 lineal feet of transmission pipeline. The pipeline will only serve the domestic water supply demands of South Circle Estates.

Also, in 2011, the Town of Ten Sleep received WWDC funding for the construction of a tank and transmission line that connects to the Ten Sleep water system. The South Circle District will tap their transmission line off of the transmission line to the Town of Ten Sleep. The Ten Sleep and South Circle projects will be designed separately. For additional information, please refer to the Ten Sleep Storage Tank Project.

A Project Agreement was completed with the district after they successfully completed a water purchase agreement with the Town of Ten Sleep. The district is currently negotiating an Engineering Agreement for the design of the transmission line.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**118. PROJECT: South Laramie Water Supply**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 75 | 2005 | I | $330,000 | 2006 |
| Level II | 75 | 2007 | I | $260,000 | 2008 |
| Level II | 66 | 2009 | I | $100,000 | 2010 |
| Level III | 68 | 2010 | I | $3,100,000* | 2015 |
| Level III | 14 | 2012 | I | $2,638,170** | 2017 |

* 67% grant, 33% loan ** 65.14% grant only

PROJECT INFORMATION:
This project provides a redundant water supply connection for the South of Laramie Water and Sewer District (SLWSD). The SLWSD receives its drinking water supply from the City of Laramie. The District's water is supplied from the City through a single pipeline that runs under the railroad and I-80. The transmission pipeline south of the railroad and I-80 crossing is ductile iron pipe that is old. The City reports that the pipeline experiences frequent breaks from external corrosion.

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

The City hired a consultant and the design began in 2011. In the fall of 2011, the City submitted a funding application request to WWDC to cover increased construction costs identified during the design and to change the financing plan to accommodate RUS funding.

Currently the project is under design and the City anticipates bidding the project in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**119. PROJECT: South Thermopolis Water Supply**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 99 | 2006 | II | $100,000 | 2008 |
| Level II | 75 | 2008 | II | $75,000 | 2010 |
| Level III | 68 | 2010 | I | $2,117,200* | 2015 |

*67% Grant

PROJECT INFORMATION:
In August 2007, a Level I study was completed for the District. The Level I study found several issues of concern. With its current configuration, several district residents have been paying for water that the district is currently unable to provide. Additionally, the water system has pressure problems in many of those areas that do receive water.

A Level II study was completed to identify the preferred alternative and to develop construction level cost estimates. The study recommended construction of a new storage tank and new transmission lines for a total project cost of $3,160,000.

In 2010, the legislature appropriated a $2,117,200 grant for 67% of the project eligible costs. The District recently secured funding for the remaining 33% from other sources. The District has selected an engineer to design the project.

During 2012, several meetings were held with the District, the Town of Thermopolis, USDA-RD, Owl Creek Water District and the WWDO. The District's current service connection to the Town of Thermopolis is limited in the water volume and pressure it is able to provide. Through the course of the meetings, it was determined to have the District's main connection moved and connect onto Thermopolis' pipeline where Owl Creek Water District is connecting. This new connection location will provide the District with increased volume and pressure to better serve the current community, future growth, and the ability to provide fire flows to commercial users.

Design for the District's connection and transmission pipelines is currently underway. There will be sufficient project funding due to some cost savings (reduction of storage and reduction in pipe size) of the new route. The project is anticipated to go to construction in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**120. PROJECT: Squaw Creek Water Supply**

LEVEL: II
SPONSOR: Squaw Creek Water District
LOCATION: Teton
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 123 | 1990 | I | $35,000 | 1991 |
| Level II | 43 | 1992 | I | $250,000 | 1993 |
| Level II | 74 | 1993 | I | $300,000 | 1994 |
| Level III | 105 | 2006 | I | $177,550 | 2010* |
| Level II | 32 | 2010 | I | $175,000 | 2013 |

*Ground Water Exploration Grants: 2004, 2005, 2007 – $125,472.75 Total*
*Reverted July 1, 2010

PROJECT INFORMATION:
The Squaw Creek Water District (SQWD) includes approximately 540 acres of land located about seven miles south of the Town of Jackson. The District was first formed in 1981 to take over operation of an existing private spring source and water supply system that served the area including several subdivisions that date back to the1960's and early 1970's. There are currently a total of about 80 lots in the service area. In the early 1990's, the WWDC funded an unsuccessful attempt to drill a deep well at Squaw Creek and ultimately developed two alluvial wells in the Game Creek drainage for the District. Production from the Game Creek wells has deteriorated and a senior water right limiting use of the spring prompted the District to continue to seek source supplies. In 2004, the district received a WWDC Ground Water Exploration Grant for test drilling. Late in 2005, the district applied for Level III funding to enable them to bring a new well into service. At the time of their application, the new well had not been completed. Unfortunately, the new well was not a good producer and the completion/connection work could not take place.

Reevaluation of the development of a new well and/or spring source was considered during the 2007 construction season. In August 2007, a budget increase to the Groundwater Grant was made to allow a second attempt at drilling a well. A U.S. Forest Service Special Use Permit was secured for drilling of this second well in October 2009 and the well was drilled in November 2009. Unfortunately the second well was unsuccessful. This left the district without an adequate source of water, which has historically practiced conservation efforts and the severe restriction of water use.

In December 2009, the district, which is at 95% of total build-out, requested consideration of funding a Level II feasibility study to review and make recommendations on any/all alternatives to increase the quantity of the district's water source to meet current and future demands. The 2012 Level II feasibility study reviewed and made recommendations on any/all alternatives to increase the quantity of the district's water source to meet current and future demands. The study included the technical and financial analyses of several alternatives: the redevelopment of the

existing spring source, redeveloping existing shallow wells along Game Creek, drilling additional shallow well(s) along Game Creek, purchase of water rights from existing wells in the vicinity of the district, the development of a well in the Flat Creek/Snake River alluvium and deep drilling. Alternatives were narrowed to an examination of a well that serves the county waste transfer station. In June 2012, a 32-hour pump test and down-hole video survey revealed promising aquifer properties at the well site situated about 1 mile from the district boundary. Based on these results, the district is requesting a continuation of the Level II study to include a test well drilling/testing program.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends the project scope be expanded to include test drilling and the project budget be increased accordingly in the New Development Program with an appropriation of $350,000.

**121. PROJECT: Star Valley Ranch Water Supply**

LEVEL: III
SPONSOR: Town of Star Valley Ranch
LOCATION: Lincoln County
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 99 | 2006 | II | $200,000 | 2008 |
| Level II | 85 | 2007 | I | $600,000 | 2008 |
| Level III | 38 | 2009 | I | $2,620,000* | 2014 |
| Level III | 68 | 2010 | I | $2,375,000* | 2014 |

* 67% grant, 33% loan

PROJECT INFORMATION:
Star Valley Ranch (SVR), like other communities in the Star Valley, has experienced rapid growth and is sought funding to upgrade and improve its water supply system. During the most recent Level II study, the WWDC drilled a test well to be used to increase the groundwater supply. The Level II study also identified the need for increased storage, new transmission lines, booster pump station and redevelopment of Prater Springs.

The budget for the entire project was estimated to be $4,995,000. Due to funding constraints, the WWDC had to phase the funding for the project. The 2009 Legislature appropriated $2,620,000 for the first phase of the improvements to include well completion, a transmission line to tie the well into the system, a new 400,000 gallon storage tank, a transmission line from Green Canyon to Prater Canyon, and a SCADA control system. Work on the well, well house, and transmission line was completed in December 2009. The remaining portion of Phase I was completed in 2010.

The 2010 Legislature appropriated $2,375,000 for construction of the final phase of the project to include the acquisition of the Green Canyon water storage tank, drilling and development of a second well, booster pump station to feed water from Green Canyon to the Prater tank, redevelopment of Prater Springs and an 8-inch Muddy String Road transmission line. Acquisition of the Green Canyon storage tank was completed during summer 2010 and a contract to drill the second well was executed in December 2010. Remaining work on the booster pump station, spring redevelopment and transmission line was completed in December 2011. SCADA and Prater Canyon spring redevelopment was completed in December 2012 with final completion and project close-out to be completed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**122. PROJECT: State Water Plan**

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| State Plan | 1 | 1996 | N/A | N/A | 1996 |
| Aerial Photo | 1 | 1996 | I | $250,000 | 1998 |
| State Plan | 46 | 1997 | I | $250,000 | 1998 |
| Basin Plan | 30 | 1998 | I | $250,000 | 2000 |
| State Water Plan | 81 | 1999 | I | $1,435,000 | 2001 |
| State Water Plan | 36 | 2000 | I | $800,000 | 2002 |
| State Water Plan | 86 | 2001 | I | $1,550,000 | 2003 |
| State Water Plan | 125 | 2003 | I | $600,000 | 2006 |
| Framework Water Plan | 75 | 2005 | I | $500,000 | 2007 |
| State Water Plan | 85 | 2007 | I | $600,000 | 2008 |
| Wind/Bighorn Basin | 33 | 2008 | I | $500,000 | 2010 |
| Green River DSS | 66 | 2009 | I | $250,000 | 2010 |
| Platte River Basin GW | 66 | 2009 | I | $250,000 | 2010 |
| Rec/Env. Study | 32 | 2010 | I | $75,000 | 2012 |
| Bear River Basin GW | 32 | 2010 | I | $175,000 | 2012 |
| Snake/Salt Basin GW | 1 | 2011 | I | $250,000 | 2014 |

PROJECT INFORMATION:
In 1996, the Wyoming Legislature directed the Wyoming Water Development Commission (WWDC) and the State Engineer's Office (SEO) to develop a proposal for updating the state's Framework Water Plan. WWDC and the SEO prepared and submitted a proposal for updating the 1973 Framework Water Plan and for establishing a state wide planning process to the Governor and the Select Water Committee in October of 1996. During the 1997 Legislative Session, $250,000 was appropriated from Water Development Account I to enable the WWDC to conduct a feasibility study to determine the costs and methods of implementing a new water planning process. The study concluded that a plan for each of the seven major river basins should be developed, and that a water planning website should be developed to present the data.

During 1997 and 1998, the WWDC undertook a pilot study in the Bear River Basin to test data collection, information dissemination, and presentation methods. A coordination process was developed to present information on the Statewide Water Planning Process and to obtain input from interested parties. The group of citizens and officials assembled as part of the planning process was named the Basin Advisory Group. The Basin Advisory Group coordination process was implemented in each basin to gain input from individuals, private interest groups, and local, state, and federal agencies.

Following authorization by the 1999 Legislature, the WWDC formally established a River Basin Planning section to implement the Statewide Water Planning Process. The first two River Basin

Plans were initiated in the Green and Bear River Basins. The Bear River Basin Plan and the Green River Basin Plan were completed in 2001.

The 2000 Legislature authorized river basin plans to be prepared for the Powder/Tongue and Northeast Wyoming River Basins and the plans were completed in 2002 The 2001 Legislature authorized river basin plans to be prepared for the Wind/Bighorn and Snake/Salt River Basins and the plans were completed in 2003. The 2003 Legislature authorized the river basin plan to be prepared for the Platte River Basin and the plan was completed in 2006. Funding for preparation of the Framework Water Plan was approved by the 2005 Legislature. The Framework Plan was initiated in June 2006, and included a summary of the seven river basin plans and a projection of future demands.

Upon completion of the Framework Plan in 2007, the process of updating the seven basin plans was initiated. The Green River Basin was selected as the first update due to the age of the plan, the energy development occurring in the basin, and because of down-stream pressure on the Colorado River. Groundwater resources are being considered in more detail in the second round of planning. The Green River Basin Plan update was initiated in 2007 and was completed in 2010.

The Wind/Bighorn Basin Plan update was begun in June 2008. As with the Green River basin update, groundwater resources are being considered in more detail in this second round of planning. Additionally, efforts are being made to advance the surface water modeling along with improved economic forecasts. The surface water plan update was completed in 2010 and the groundwater report was completed in 2011.

Groundwater is an important resource in the Wyoming Platte River Basin. To update the groundwater portion of the previous basin plan and to provide more detail on groundwater, the Water Development Office is having a detailed evaluation of the groundwater resources in the basin conducted. (See the Platte River Basin Plan – Groundwater for details).

A study to assist the WWDO in developing methodologies to define environmental and recreational water demands and benefits, and to incorporate this information in river basin planning was initiated in 2010 and was completed in 2011. Also in 2010, a groundwater resources analysis for the Bear River Basin was initiated. (See the Bear River Basin Plan – Groundwater Analysis for details).

To update the groundwater portion of the Snake/Salt River Basin Plan and to provide more detail on groundwater resources, the WWDO is sponsoring a detailed evaluation of the groundwater resources in the basin. The study includes analysis of groundwater use, storage and recharge for aquifers within the basin. (See the Snake/Salt River Basin – Groundwater Analysis for details)

A staff planning team from the WWDO, SEO and the University of Wyoming, Water Resources Data System (WRDS) offices has completed an update of the Bear River Basin Plan. This work will provide updated information for the Bear River Basin and will help direct further work within the basin. The plan update was completed in 2012. The staff planning team has initiated a review and evaluation of the Snake/Salt River Basin Plan in 2011 with a proposed completion date of late 2013.

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

**123. PROJECT: Statewide Water Research**

LEVEL: I
SPONSOR: State of Wyoming
LOCATION: Statewide
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 30 | 1998 | I | $41,584 | 2000 |
| Level I | 36 | 2000 | I | $140,000 | 2002 |
| Level I | 86 | 2001 | II | $140,000 | 2002 |
| Level I | 7 | 2002 | I | $200,000 | 2004 |
| Level I | 125 | 2003 | I | $200,000 | 2004 |
| Level I | 31 | 2004 | I | $200,000 | 2006 |
| Level I | 75 | 2005 | I | $200,000 | 2006 |
| Level I | 99 | 2006 | I | $300,000 | 2008 |
| Level I | 85 | 2007 | I | $300,000 | 2008 |
| Level I | 33 | 2008 | I | $300,000 | 2010 |
| Level I | 66 | 2009 | I | $300,000 | 2010 |
| Level I | 32 | 2010 | I | $300,000 | 2012 |
| Level I | 1 | 2011 | I | $300,000 | 2012 |
| Level I | 57 | 2012 | I | $400,000 | 2014 |

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 2012 research projects are listed below:

- Surveying Green and Bighorn basin lakes using subsurface radar, sediment core, and hydroclimatic analyses to evaluate the potential for extreme droughts.
- Investigating how the outbreak of bark beetles in the Rocky Mountain Region will impact water yields on short to long time scales.
- Determining the time frame over which the infiltration rate of unlined CBM ponds across the Powder River Basin reduces as compared to the total lifetime of the ponds.
- Researching instrumentation for improved precipitation measurement in wintertime.
- Preparing a treatise on Wyoming water law.
- Evaluating the performance of an integrated accelerated precipitation softening – microfiltration assembly and process development to maximize water recovery during $CO_2$ sequestration.
- Examining the impact of glaciogenic cloud seeding on snowfall rate and on snow particle characteristics, using datasets collected from field campaigns in southeastern Wyoming. Building on ongoing work that is quantifying and predicting water yield from bark beetle infested stands in southern Wyoming.

RECOMMENDED LEGISLATIVE ACTION:
The WWDC recommends that $400,000 be appropriated from Water Development Account I for the 2013 statewide water research projects.

**124. PROJECT: Sublette Creek Reservoir**

LEVEL: II
SPONSORS: Cokeville Development Company
LOCATION: Lincoln County
PROGRAM: Dam and Reservoir

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 125 | 2003 | I | $200,000 | 2004 |
| Level II | 75 | 2005 | I | $150,000 | 2006 |
| Level II | 85 | 2007 | I | $81,000 | 2008 |
| Level II | 66 | 2009 | III | $375,000 | 2011 |
| Level II | 1 | 2011 | III | $325,000 | 2013 |

PROJECT INFORMATION:
In 1984, the States of Wyoming, Utah and Idaho joined forces to evaluate the potential to construct storage on the Smiths Fork of the Bear River, which would provide benefits to all three states. The purpose was to provide a reliable water supply and generate electricity. The project would also improve water quality and provide flood control and recreation benefits. In 1986, the State of Utah prepared an economic feasibility report, which concluded that the project was economically feasible only if all three states participated in financing the project. Unfortunately, the required unanimous support never materialized and the project was downgraded to a "hold status."

In 1988, the U.S. Corps of Engineers (COE) prepared a development plan for the entire Bear River. The report was completed in 1989. Several options were identified. The report verified that a dam on the Smiths Fork would provide considerable flood control, storage and water quality benefits. However, the economic assessment concluded that the project had an unfavorable benefit-cost ratio and, therefore, would not be eligible for federal funding under existing criteria, which reinforced maintaining a "hold status" for the project.

In 2003, the Cokeville Development Company (CDC) requested a Level I study to identify storage opportunities in the Smiths Fork drainage. The CDC's request identified the need for a multipurpose reservoir that would provide for flood and erosion control benefits and water supply for agricultural water users. This study differed from past studies in that it looked at water use only in Wyoming and focused upon determining the potential of developing off-channel sites.

This Level I study was completed in August 2004. There were a number of sites evaluated in the initial screening and no off-channel sites were feasible due to lengthy conveyance canals and large embankment volumes. Six on-channel sites were the focus of study. All of these sites had been evaluated in previous studies. Sites lower in the basin are best from an operations standpoint and provide the best irrigation reliability with the smallest pool. They also offer the best flood control, greatest hydropower potential, and least environmental impacts. However, it appears there would be significant impacts to fish and wildlife from development of on-channel reservoirs and mitigation costs may be high.

The Smiths Fork Watershed Improvement District and the CDC requested a subsequent Level II study, which was approved by the Wyoming Legislature. To make the project more affordable, it was again recommended to work with Utah and Idaho, as in the 1984 and 1988 efforts, to determine whether support could be generated for constructing a large flood control project. Interests in each state planned to petition Congress to fund a Flood Control Study, which would be conducted by the COE. The appropriation would be used to update previous studies, which recommended construction of a 125,000 acre-foot dam and reservoir on the Smith's Fork near Cokeville. Although, the COE indicated that they were planning to initiate a Flood Control and Ecosystem Enhancement Study in FY 2007 for the Bear River, the study never materialized.

Although the three state flood control project never materialized, the CDC remained interested in developing a smaller, multipurpose storage reservoir limited to serving Wyoming interests. A Level I investigation of the Sublette Creek watershed for potential reservoir sites and for the rehabilitation of the Covey/Mau Canals was requested by the CDC. The legislature appropriated funds to conduct the Level I analysis. Several potential sites and canal rehabilitation measures were identified by the Level I consultant. As a result, a Level II, Phase I Study analysis followed, which eliminated less efficient sites and further refined canal rehabilitation measures. The Level II, Phase I analysis, completed in 2009, and was followed by an appropriation to conduct a Level II Phase II analysis of the more favorable reservoir sites.

Based upon the study completed in 2010, the WWDC recommends that additional study be conducted, which will include refinements to the design and cost estimates for dam and supply canal. In addition, permitting and mitigation cost estimates will be developed. The legislature appropriated funds during their 2011 session to conduct primarily additional hydrology, permitting, and biological studies. The project work is currently underway and on schedule. Additional task items such as stream flow/temperature sampling, a cultural resource study, and additional topography for the project area are being requested by the sponsor.

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending that an additional $252,000 be added to the project budget.

**125. PROJECT: Sundance Master Plan**

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

EXISTING LEGISLATION

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 57 | 2012 | I | $150,000 | 2014 |

PROJECT INFORMATION:
The Town of Sundance obtains its water from four (4) wells in the Madison and Minnelusa formations capable of providing 1,000 gpm. The Town is requesting a master plan to identify ways to make its existing water supply system more efficient. The master plan will provide the Town with a prioritized list of needed improvements to meet existing and future water supply demands. Currently the hydraulic model has been calibrated and is now ready for development of alternatives for improving the system and providing for future population projections. The surveying and GIS is nearly complete.

RECOMMENDED LEGISLATIVE ACTION:
No Legislative action is required.

**126. PROJECT: Sundance Storage Tank**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 57 | 2012 | I | $150,000 | 2014 |
| Level III | 14 | 2012 | I | $712,500* | 2017 |

* 75% grant, 25% sponsor

PROJECT INFORMATION:
This project provides the design and construction needed to resolve issues relating to the Town of Sundance's existing Cole Water Storage Tank. The storage tank was constructed in 2010 with ARRA funds. The 256,000 gallon water storage tank was constructed to improve the operation of the water supply system and provide needed fire flows. The tank was completed in March, 2010 with ARRA funds. In late July, 2011, a significant rainfall event occurred which caused movement in the storage tank foundation, resulting in the need to minimize water levels held in the tank and to look at means to stabilize or move the tank. The Town wishes to relocate the tank as it is needed for the efficient operation of the water supply system. The estimated cost to relocate and connect the tank to the water supply system is $950,000. The project agreements have been completed and the design process is progressing. The sponsor had a difficult time in finding a suitable site for the tank, but has settled on a site west of the existing tank. Design should be completed in late 2012 and the tank should be moved by the fall of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**127. PROJECT: Ten Sleep Storage Tank**

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

EXISTING LEGISLATION:

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

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

The Town has negotiated a water purchase agreement with the South Circle District. Design is underway and construction is planned for 2013.

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

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**128. 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:
The Thayne Storage Level I scope of work has been satisfied. The final product is scheduled to be received by the office in December 2012. The study found that Thayne does not need storage at this time; rather, an upgrade to their booster pump station and a second transmission line from the pump station to their existing storage was recommended and the town is currently working to build that project with funding from the State Lands and Investment Board.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**129. PROJECT: Upper Green River Watershed Study**

LEVEL: I
SPONSORS: Sublette County Conservation District
LOCATION: Sublette/Lincoln/Teton County
PROGRAM: Dams and Reservoirs

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 57 | 2012 | III | $300,000 | 2013 |

PROJECT INFORMATION:
The Upper Green River watershed, located primarily in Sublette County and extending into eastern Lincoln County, is approximately 1,881,164 acres. Land ownership in the Upper Green drainage is divided among federal, private, and state. The watershed includes one primary river system, the main stem of the Green River, and tributaries including Tosi Creek, Klondike Creek, Rock Creek, Gypsum Creek, Beaver Creeks, Horse Creek, Cottonwood Creek, Piney Creeks, LaBarge Creek and Fontenelle Creek.

During the 2012 legislative session, the Sublette County Conservation District requested and received funding for a Level I Watershed Study to evaluate current watershed function, current condition of wetlands and riparian areas within the drainage, and to develop a geomorphic classification. This information will provide baseline information from which the District can pursue implementation of management practices that address the natural resource issues within the drainage. Surface water storage, irrigation and upland livestock/wildlife water management and rehabilitation plans are also of interest.

This study will develop an inventory and description of the watershed to include basic physical science information such as geology, hydrology, soils, climate, plant communities, wildlife habitat, and geomorphic characterization of the stream systems. This information will be incorporated into a rehabilitation and management plan complete with cost estimates for potential future project activities. In addition, an inventory of potential dam and reservoir projects will be developed and included in the final work product. The final report is expected in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**130. PROJECT: Upton Well**

LEVEL: III
SPONSOR: Town of Upton
LOCATION: Weston County
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 38 | 2009 | I | $395,000* | 2014 |

* 67% grant, 33% loan

PROJECT INFORMATION:
The Town of Upton drilled the Upton No. 6 Well in 1983 and it was acid stimulated with WWDC funds in 1990. Prior to the stimulation, the well was a poor producer, but following stimulation production from the well increased to approximately 600 gpm. With an increase in production, there was also a sudden increase of iron bacteria in the well. The presence of iron bacteria resulted in discolored water that also had an objectionable odor. Subsequently, the town never tied the well into the town's water supply system.

In 2008, WWDC funded a Level II report to evaluate the condition of the well and provide treatment recommendations for the iron bacteria. This Level III project is the result of the Level II study and consists of constructing a chlorine injection system, chlorine contact tank, well house improvements, a pipeline from the well to town and installation of radio controls.

The project is currently under design and the Town anticipates bidding the project in the summer of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**131. 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 | 7 | 2002 | I | $300,000 | 2004 |
| Level II | 75 | 2005 | III | $300,000 | 2013 |
| Level II | 85 | 2007 | III | $250,000 | 2013 |
| Level II | 66 | 2009 | III | $150,000 | 2013 |

PROJECT INFORMATION:

The evaluation of existing agricultural uses has shown a need for additional storage on the Hams Fork. Additional storage could provide a much needed source of late season water to all uses below the dam, including the Hams Fork Water Users Association, and downstream municipalities.

2001 investigations completed for the Green River Groundwater Recharge and Alternate Storage Study indicated enlarging Viva Naughton Reservoir was one of the more efficient water development projects in the state. The reservoir has an existing capacity of 45,465 acre-feet. PacifiCorp has water right filings for an additional 36,430 acre-feet of storage. The existing reservoir is owned and operated by PacifiCorp, who has expressed an interest in the further investigation of the potential enlargement of Viva Naughton.

During the 2002 legislative session, the water users in the Hams Fork Valley requested and received funding for a Level II Storage Feasibility Study to investigate potential options for additional water supplies on the Hams Fork. Three options, Viva Naughton enlargement, Dempsey Basin dam and Willow Creek dam, were identified with conceptual level cost estimates all in the same range. The Level II study concluded that shortages did exist within the Hams Fork Basin and that any of the three options could ease shortages if constructed.

In 2005, an appropriation was authorized by the legislature to complete a Level II, Phase II study to obtain required geotechnical and wetland information to further refine storage feasibility. Before the geotechnical drilling could start, a Temporary Use Permit from BLM was required. The Dempsey – Hockaday Cutoff of the Oregon Trail runs through the Dempsey Basin Reservoir site. This trail is considered pristine in places within the basin. As a result, it took longer than expected to acquire the Temporary Use Permit to explore Dempsey Basin, later renamed Lower Dempsey Basin. During this time, wetlands classifications, archeological investigations, refined hydrologic needs analyses, and surveying work 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 Lower Dempsey Basin and Viva Naughton was completed and the results analyzed. An alternative storage site upstream of the Lower 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 Upper Dempsey Basin site. The work was completed in 2009 and the data has been analyzed. The Upper Dempsey Basin site does appear geotechnically feasible. However, during the time of the Level II, Phase II study, the Wyoming Governor's Office has issued several executive orders (EO) addressing the Greater Sage-Grouse in Wyoming. The latest EO 2011-5 includes a method for use in determining compliance with the EO for new projects, referred to as

the Density and Disturbance Calculation Tool (DDCT). The DDCT is used to determine if the proposed new disturbance, combined with existing and permitted disturbances in the area, are below 5% of the DDCT area and result in an average of <1 disruptive activity (defined as oil and gas wells and mines) per 640 acres within the area affected by the project. Based on the results of the DDCT analysis performed for the Level II, Phase II Study, neither the Upper or Lower Dempsey Basin sites would be in compliance with the Governor's EO because total surface disturbance (9.29% for upper; 10.53% for lower) is substantially greater than 5%. Even without the new disturbance, the area of existing disturbance in the DDCT analysis area (7.76% for upper; 8.61% for lower) is already substantially above the 5% threshold. Further analysis is needed to determine if existing impacts include unsuitable Sage Grouse habitat, which could lower percentages or if mitigation is an option.

In the meantime, another alternative has been discussed which would entail enlarging the existing Viva Naughton Reservoir by raising the spillway. This would be a much smaller scale enlargement, but if temporary inundation can be proven not to adversely impact wetlands and/or habitat, it may be a feasible option. The WWDC has discussed partnership options with PacifiCorp, and related project alternatives that could be beneficial to the state, PacifiCorp, and water users in the Hams Fork Basin. Participation by PacifiCorp is essential to the feasibility of the project and will be pursued.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**132. PROJECT** **Wall Reservoir**

LEVEL: II
SPONSORS: Austin Wall Irrigation District
LOCATION: Unita County
PROGRAM: Dam and Reservoir

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

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

RECOMMENDED LEGISLATIVE ACTION:
WWDC is recommending an appropriation of $280,000 to fund the project.

**133. 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 eastern Sweetwater County on Interstate Highway 80. Recent resurgence of oil & gas development activities in the area has created an increase in population and attendant water demands.

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

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

The Town and engineer completed the design and secured all necessary easements for the project. The project was successfully bid and awarded. Construction of the project was completed in 2012 and project close-out is underway and will be completed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:

No legislative action is required.

**134. PROJECT: Wardwell Water Supply Improvements**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 105 | 2006 | I | $1,886,720* | 2011 |
| Level III | 75 | 2008 | I | $2,716,180* | 2013 |

*67% Grant

PROJECT INFORMATION:

The Wardwell Water and Sewer District (WWSD) has experienced extensive growth in the northern most regions of the district (Town of Bar Nunn area). Available lots in the older portions of the Town of Bar Nunn are quickly being developed and homes in the McMurry No. 1 Subdivision (within the Town of Bar Nunn) are also rapidly being constructed. This region of the water system has marginal operating pressures, approximately 40 psi, and the residents in the new

homes have expressed concerns. The project serves to construct a new pump station, water storage tank and transmission pipeline to allow for continued growth within the District.

The WWSD originally intended to fund their portion of the project with a loan from other sources. However, the loan approval election did not pass. Therefore, the WWSD decided to pay their portion with funds from other sources. Funds have been contributed from the Town of Bar Nunn, Central Wyoming Regional Joint Powers Board, WWSD, and developers. The need for this change resulted in project delays. During this time, costs of the project increased to the point that all of the project components could not be constructed within the WWSD's original budget. Therefore, the project configuration was revised in 2008.

As a result of the recently completed Casper Water Master Plan, the WWSD has learned that they would be unable to fight a fire in the southern portion of the WWSD. Modifications to the potable water system are proposed as part of this project. Costs for those modifications were included in the appropriation provided during the 2008 session.

The first phase, the northern most region, of this project has been constructed and completed. In 2011, the project appropriation reversion date was extended from 2011 to 2013 to allow for the completion of the second phase of the project.

The second phase of the project addresses the southern portion of WWSD. This phase was split into the following two stages (i) tank construction, and (ii) pipeline installation. Both components of the second phase have been successfully bid and awarded. Construction on both stages was completed in 2012 and project close-out is underway and will be completed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**135. PROJECT: Weather Modification Pilot Program**

LEVEL: II
SPONSOR: State of Wyoming
LOCATION: Medicine Bow/Sierra Madre and Wind River Ranges
Albany, Carbon, Fremont, and Sublette Counties
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 34 | 2004 | I | $100,000 | 2006 |
| Level II | 75 | 2005 | I | $8,825,000 | 2011 |
| Level II | 32 | 2010 | I | $2,850,000 | 2013 |
| Level II | 57 | 2012 | I | $2,400,000 | 2015 |

PROJECT INFORMATION:
The 2004 Wyoming State Legislature funded a state sponsored weather modification feasibility study for the Medicine Bow/Sierra Madre (MB/SM) and Wind River (WR) Ranges which evaluated the feasibility of conducting cloud seeding programs in each of the two project areas for winter snowpack augmentation. Included in the project was a determination of the exact experimental and control regimes to be employed for a proposed pilot program based on the climatology and hydrology of each target area. The study identified methods, equipment, siting

issues, permitting, operational criteria, monitoring regimes, evaluation methodology, potential water resource benefits, costs and a cost/benefit analysis.

The 2005 Wyoming State Legislature funded implementation of the weather modification pilot program for the Medicine Bow/Sierra Madre and Wind River Ranges based on these recommendations. The program is unique in that nearly one third of the project budget is being used to support a strong scientific independent evaluation. The National Center for Atmospheric Research (NCAR) out of Boulder, Colorado is conducting this evaluation. Physical and statistical evaluation components of the program are essential in establishing that the cloud seeding methodology is scientifically proven and is an integral part of the pilot program. Winter orographic snowpack enhancement programs have generally shown that precipitation can be enhanced anywhere from 10 to 20%.

The National Environmental Policy Act (NEPA) analyses required for deployment of the ground-based generators targeting the Medicine Bow/Sierra Madre Ranges was completed during 2006 with a categorical exclusion determination and a 5-year Special Use Permit being issued by the Medicine Bow National Forest. The analyses included a 45-day public comment period, numerous design refinements, a biological assessment, a biological evaluation & management indicator species report, and consultation with the US Fish & Wildlife Service on 10 federally listed T&E species. This Special Use Permit has since been renewed for an additional 4-year period through a USFS Record of Decision dated December 7, 2011. Annual permits for ground-based seeding operations over this target area have also been issued by the Wyoming State Engineer's Office. Sixteen ground-based generators have been deployed on the western flanks of the Medicine Bow/Sierra Madre Ranges (eight targeting each range) and are available for seeding operations when specific case calling criteria are met. Operations in the MB/SM Ranges are randomized and adhere to a strict experimental design set forth by NCAR.

Applications for the special use permits necessary for the deployment of ground-based generators to be sited on federal lands and targeting the Bridger-Teton and Shoshone National Forests (for the Wind River Range) were withdrawn March 2007 due to increased costs and lengthened timelines associated with receiving federal clearance for the project. Eight ground-based generators targeting the central and southern Wind River Range have since been deployed on state and private lands and are available for seeding as conditions warrant. Basing in such a manner is typical for other states' programs. Two additional ground-based generators have also been deployed along the northern end of the target area as made possible by supplemental funding received from Lower Colorado River Basin entities in an effort to make the system "whole". Annual permits for ground-based seeding operations over this target area have been issued by the Wyoming State Engineer's Office.

Seeding operations over both target areas commence November 15$^{th}$ each year of the study and run through April 15$^{th}$ under the oversight of the WWDO and with the guidance of a Technical Advisory Team. Silver sampling measurements have, and will continue to be taken by the Desert Research Institute, in each of the target areas. Additional climatological monitoring devices have been deployed across the target areas, and include a network of high resolution precipitation gages, weather stations, radiometers, a K-band radar, and a ceilometer. Also, instrumented weather balloons are being launched from Saratoga where project meteorologists and field technicians are stationed during the winter of 2012/13. Finally, a hydrologic analysis is being conducted to quantify potential streamflow changes resulting from weather modification activities. Still other additional coordinated "piggy-back" research efforts (externally funded ~ $1 million+ from the National Science Foundation) between scientists at the National Center for Atmospheric Researchand the UW Department of Atmospheric Science, are ongoing.

Following implementation of a peer-reviewed experimental design, completion of environmental permitting and full deployment of resources, the current study is continuing to collect "case data" under the randomized statistical experiment portion of the study during the winter operational seasons. The challenge remains to acquire enough data to achieve statistical significance such that an accurate evaluation of the program's effectiveness can be determined with a high degree of confidence. This was further exacerbated by limited seeding opportunities this past season in the target areas due to a lack of seedable conditions. Roughly 50-60 more cases are needed to complete a statistically significant (i.e., confidence in the results) test of whether cloud seeding can increase precipitation by 10%. Given the experience in case selection and data collection, this implies that two more seasons are needed at the current rate of ~30 cases per season. Operations for the current 2012-13 winter season and subsequent 2013-14 season were fully funded by the 2012 Wyoming State Legislature and should provide an adequate number of "cases" to allow for an accurate and definitive quantification of seeding impacts.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**136. PROJECT: Wheatland Rehabilitation 2011**

LEVEL: III
SPONSOR: Wheatland Irrigation District
LOCATION: Platte County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 66 | 2009 | II | $300,000 | 2010 |
| Level III | 63 | 2011 | II | $723,600* | 2016 |

*67% grant

PROJECT INFORMATION:
Wheatland Irrigation District serves 54,180 acres with a conveyance system from Sand Lake above Arlington to points east of Wheatland. The district has looked at major problem areas in their district and, with the help of the WWDC, has upgraded portions of their system. The district is ready to implement additional water conservation upgrades. The 2009 Level I master plan identified and prioritized five major areas of rehabilitation need: structures, automation, canal & lateral improvements, and pipelines. The total cost of these items is $25,025,847 in 2010 dollars.

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

In 2011, the District received a Level III Rehabilitation project with an appropriation of $723,000 (67% grant). The District secured the services of an engineer and initiated the design process.

The engineer has completed the designs of the Deadhead Wasteway Automation project. The project is anticipated to go bid in late-2012 with construction to follow in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

**137. PROJECT: Willwood Dam Rehabilitation**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 75 | 2005 | II | $50,000 | 2006 |
| Level II | 85 | 2007 | II | $250,000 | 2008 |
| Level II | 33 | 2008 | II | $150,000 | 2010 |
| Level III | 63 | 2011 | II | $210,000* | 2016 |
| Level III | 14 | 2012 | II | $1,620,000** | 2017 |

*This appropriation is replaced by the 2012 appropriation. **67% grant, 33% loan

PROJECT INFORMATION:
The Willwood Dam is critical to the irrigation operations of the Willwood Irrigation District. Direct flow water from the Shoshone River and stored water from Buffalo Bill Reservoir are diverted at the Willwood Dam and conveyed via canals to the sponsor's irrigators.

The Master Plan financed by WWDC identified deficiencies in the condition of the Willwood Diversion Dam. This project will provide sluicing redundancy to the sponsor. Without redundancy, the sponsor risks the ability to sluice sediment should the sole operable gate fail.

Only one of three sluice gates is operational and sediment has buried the two inoperable gates. The sponsor plans to safely remove an amount of sediment and to replace one of the inoperable sluice gates as well as the sole operable sluice gate. Without this project, if the operable sluice gate should fail, the sponsor runs the risk of sediment filling the area upstream of the dam and dumping into the Willwood Canal. There is a risk of burying the diversion gates that allow irrigation water to pass into the canal with silt.

The legal documents for the project have been executed and the sponsor is negotiating a contract with the engineer. Construction is anticipated in the fall of 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**138. PROJECT: Willwood Rehabilitation Projects**

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

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 75 | 2005 | II | $50,000 | 2006 |
| Level II | 85 | 2007 | II | $250,000 | 2008 |
| Level II | 33 | 2008 | II | $150,000 | 2010 |
| Level III | 68 | 2010 | II | $746,000* | 2015 |
| Level III | 63 | 2011 | II | $754,000* | 2015 |

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

PROJECT INFORMATION:
In 2009, the Willwood Rehabilitation and GIS Level II study was completed. The study identified rehabilitation needs of the irrigation water supply and delivery system. This study will be the basis for systematic improvements to improve the efficiency of the system.

In 2010 the Willwood Irrigation District requested and received funding to replace a ditch segment with buried pipe. Subsequent to the design process the District received additional funds in 2011 for additional pipe to further improve the operational efficiency of Lateral 84. The sponsor is responsible for the costs of design, construction, construction engineering, easements, and any other project expense other than invoiced materials.

The project was completely designed in 2010 and a portion of the project was constructed in the winter of 2010-2011. The project should be completed prior to the 2014 irrigation season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**139. PROJECT: Wind River Irrigation Rehabilitation**

| | |
|---|---|
| LEVEL: | III |
| SPONSORS: | Joint Business Council for the Eastern Shoshone and Northern Arapaho Tribes |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 118 | 2004 | II | $3,500,000* | 2015 |

* 50% grant

PROJECT INFORMATION:
The Wind River Irrigation Project, operated by the Bureau of Indian Affairs, is in very poor shape, with over 50 million dollars in deferred maintenance. According to a 1994 study, over 1,200 structures (60% of the structures) need repair or replacement, and 190 miles of canals and laterals (45%) need repair or reconstruction. Structure failures are common and failure of segments of the water delivery system is imminent. In areas, the efficiency of the delivery system is 35%.

This is first phase of a long-range plan to rehabilitate the system. The Tribes have received $3.5 million from the BIA. These funds are used to match the states funds. The first phase focuses on replacing or repairing the most important structures (primarily major canal head gates) with the highest likelihood of failure.

No action on the project occurred during 2004, 2005, 2006 and 2007. In 2007, the legislation was modified to allow the Joint Business Council for the Eastern Shoshone and Northern Arapaho Tribes or the Eastern Shoshone Business Council or the Northern Arapaho Business Council to be the sponsor. In 2008, the project was on hold pending tribal approval of the project agreements by the Councils. The councils delegated authority for the projects to the Water Resources Control Board (Board) of the Wind River Reservation. The Board secured construction bids for four diversion structures in mid-2009 and construction was completed by the 2011 irrigation season.

In early 2011, the Board selected engineers for the rest of the project. The design of the diversion structures for the Ray, Coolidge, 11C, 39C, 59C, and 14B canals are complete and construction was completed in early 2012. The design of the Sub-Agency diversion, North Fork flume, Willow Creek diversion and Meadow Creek diversion have been completed but legal questions have delayed the bidding of the projects. Once the legal issues have been resolved the projects should be bid mid-summer of 2013 for a late 2013 construction season.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**140. PROJECT: Worland Eastside Transmission Line**

LEVEL: III
SPONSOR: City of Worland
LOCATION: Washakie County
PROGRAM: Rehabilitation

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level III | 105 | 2006 | II | $1,807,500* | 2014 |
| Level III | 38 | 2009 | II | $842,500* | 2014 |

*50% grant

PROJECT INFORMATION:
The City of Worland has an existing 24" asbestos cement water transmission pipeline that is located within the U.S. Highway 16 right-of-way. This section of highway will be reconstructed in the near future. Since this pipeline has minimal soil cover, it will be damaged during construction activities, so the Wyoming Transportation Department is requiring that the pipeline be relocated outside of the construction activity zone. This necessitates that the pipeline be constructed on private property for most of the 3-mile impact area.

The 2009 legislature provided additional funding and time to complete the project. Construction was anticipated to be completed in 2009, but the city and land owners could not agree with the terms for easement acquisition, so condemnation proceedings have been ongoing.

In 2011, access agreements for the project were granted and the project went to bid. The project received favorable bids and was successfully awarded. Construction of the project was completed in 2012 and project close-out is underway and will be completed in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

**141. PROJECT: Wright Water Supply 2011**

LEVEL: Level III
SPONSOR: Wright Water and Sewer District
LOCATION: Campbell County
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level I | 33 | 2008 | I | $100,000 | 2010 |
| Level II | 32 | 2010 | I | $1,100,000 | 2012 |
| Level III | 63 | 2011 | I | $737,000* | 2016 |
| Level III | 14 | 2012 | I | $1,072,000* | 2017 |

*67% grant only

PROJECT INFORMATION:
The Wright Water and Sewer District water system serves approximately 2,500 people living in the Town of Wright and the adjacent area. The source groundwater for the District is supplied from five wells completed into the Paleocene Fort Union Formation. The District currently has two welded steel storage reservoirs with capacities of 0.5 million and 1.0 million gallons.

The 2008 Level I master plan identified the need for an additional groundwater supply. In 2010, WWDC funding was provided for construction of a new deep well into the Fort Union Formation. The Level II RJ-7 well was completed in 2011.

In 2010, the District submitted a funding application to WWDC requesting $4,957,000 to connect the Level II well to the existing water system, construct a new water storage reservoir, upgrade the SCADA system, and make improvements to the existing RJ-3 Well House. Due to budgetary constraints, WWDC's recommendation to the 2011 legislature was to phase the project. The 2011 appropriation included budget to design and construct the RJ-3 Well House and the SCADA system and to design the RJ-7 Well House and connection pipeline. The 2012 appropriation provided budget to construct the RJ-7 Well House and connection pipeline from the well to the District's water system.
Construction of the RJ-3 Well House and SCADA system was completed in the fall of 2012. The consultant is currently completing the RJ-7 design and the District anticipates bidding the project in early 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required

**142. 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 | 2013 |

PROJECT INFORMATION:
The Wright Water and Sewer District water system serves approximately 2,500 people living in the Town of Wright and the adjacent area. The source groundwater for the District is supplied from five existing wells completed into the Paleocene Fort Union Formation.

In 2010, funding was provided for the construction of one new deep well into the Fort Union Formation. The sixth Fort Union Formation well (Well RJ-7) for the District was constructed to

3,005 feet deep and tested in 2011. In early 2012, two steel bands left inside of the well casing of Well RJ-7 were observed during downhole video camera surveys and months of discussions followed regarding the options of the drilling contractor retrieving the metal bands or the conditional acceptance of the well "as is." Due to future well use and well acceptability issues during 2012, the project due date will be extended to June 30, 2013. A well completion and aquifer testing report is anticipated to be completed by April 2013.

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

**143. PROJECT: Yoder Water Supply**

LEVEL: III
SPONSOR: Town of Yoder
LOCATION: Goshen County
PROGRAM: New Development

EXISTING LEGISLATION:

| Purpose | Chapter | Session | Account | Appropriation | Due Date |
|---|---|---|---|---|---|
| Level II | 66 | 2009 | I | $400,000 | 2010 |
| Level III | 63 | 2011 | I | $180,000* | 2016 |

*67% grant, 33% loan, 4% for 20 years

PROJECT INFORMATION:
In 2009, the Town of Yoder requested and obtained funding for a Level II study to determine optimal well siting and design to avoid the naturally occurring radionuclide and arsenic constituents at varying concentrations in the Chadron Formation (lower member of White River Group) aquifer (about 200 feet deep).

In 2010, the Level II study constructed one test boring and also one test production well into the Fox Hills Sandstone, each approximately 1,100 feet deep. As initial well results looked good and the Town needed water, the WWDC recommended Level III funding to connect the well to the water supply system.

In 2011, the Town of Yoder received a Level III New Development project with an appropriation of $180,000 (67% grant and 33% loan).

During 2011, the Town secured the services of an engineer and the initiated the design process.

In 2012, the design was completed and the necessary project easements were secured. During the bidding process, it was determined that the project needed additional funds. The Town contributed an additional $45,000 to the project allowing it to be successfully awarded. The project is entering the construction phase and is anticipated to be completed in 2013.

RECOMMENDED LEGISLATIVE ACTION:
No legislative action is required.

# CHAPTER 4 – COMPLETED PROJECT REPORTS

## Completed Planning (Level I and II) Projects

If you require information on any of the following reports, please contact WWDC or visit our web site at www.wwdc.state.wy.us. Many of these reports are available on the web site and can be reviewed or downloaded:

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

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

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

153. Wheatland Master Plan
154. Willwood ID Rehabilitation, GIS
155. Wind River/Big Horn River Basin Plan Update
156. Wind River Glaciers
157. Worland Area Irrigated Lands GIS
158. Worland Eastside Transmission Line
159. Worland Wells Test
160. Wright Master Plan
161. Yoder Groundwater Project
162. 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<br>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<br>Snyder Construction; Lyman, Wyoming<br>AG SERVICES, Inc.; Blackfoot, Idaho |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1991 |

**03. PROJECT:** **Afton Well**

| | |
|---|---|
| SPONSOR: | Town of Afton |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $250,000 |
| ACTUAL EXPENDITURES: | $250,000 |
| DESCRIPTION: | Well house, meter, well controls and pipeline |
| ENGINEER | Sunrise Engineering; Afton, Wyoming |
| CONTRACTOR: | Johnson Excavation, Inc.; Inkom, Idaho |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2006 |

**04. PROJECT:** **Airport Bench Water Supply**

| | |
|---|---|
| SPONSOR: | Airport Bench W&S District |
| LOCATION: | Big Horn County (Greybull) |
| PROGRAM: | New Development |
| APPROPRIATION: | $225,000 |
| ACTUAL EXPENDITURES: | $225,000 |
| DESCRIPTION: | Pipeline, storage tank |
| ENGINEER: | Engineering Associates; Cody, Wyoming |
| CONTRACTOR: | Whitlock Construction; Powell, Wyoming |
| YEAR COMPLETED: | 1995 |
| SESSION LAW YEAR: | 1991 |

**05. PROJECT:** **Albin 2005 Well**

| | |
|---|---|
| SPONSOR: | Town of Albin |
| LOCATION: | Laramie County |
| PROGRAM: | New Development |
| APPROPRIATION: | $227,280 |
| ACTUAL EXPENDITURES: | $155,274.35 |
| DESCRIPTION: | Incorporate well into municipal system |
| ENGINEER: | BenchMark Engineering, Cheyenne, Wyoming |
| CONTRACTOR: | Strong Construction, Inc., Torrington, Wyoming |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2005, 2006 |

**06. PROJECT:** **Albin Pipelines and Well Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Albin |
| LOCATION: | Laramie County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $235,100 |
| ACTUAL EXPENDITURES: | $152,073 |
| DESCRIPTION: | Well rehabilitation and transmission pipelines |
| ENGINEER: | BenchMark Engineers; Cheyenne, WY |
| CONTRACTOR: | Crow Creek Construction; Greeley, CO |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2004 |

**07. PROJECT:** **Alpine Raw Water**

| | |
|---|---|
| SPONSOR: | Town of Alpine |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $ 41,700 |
| ACTUAL EXPENDITURES: | $ 7,408.84 |
| DESCRIPTION: | Pipeline, storage tank |
| ENGINEER: | Engineering Associates; Cody, Wyoming |
| CONTRACTOR: | Whitlock Construction; Powell, Wyoming |
| YEAR COMPLETED; | 2005 |
| SESSION LAW YEAR: | 2002 |

**08. PROJECT:** **Alpine Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Alpine |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $700,000 |
| ACTUAL EXPENDITURES: | $700,000 |
| DESCRIPTION: | Pipeline, storage tanks, well |
| ENGINEER: | Sunrise Engineering; Afton, Wyoming |
| CONTRACTOR: | Kilroy Construction; Alpine, Wyoming<br>ABC Tank, Salt Lake City, Utah |
| YEAR COMPLETED: | 1997 |
| SESSION LAW YEAR: | 1995 |

**09. PROJECT:** **Alpine Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Alpine |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $688,090 |
| ACTUAL EXPENDITURES: | $87,162.71 |
| DESCRIPTION: | Well completion and connection piping |
| ENGINEER: | Rendezvous Engineering, Jackson, WY |
| CONTRACTOR: | Kilroy, LLC; Afton, WY<br>Thomas Drilling; Afton, WY<br>Pump Tech Co. Inc.; Idaho Falls, ID |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2007 |

**10. PROJECT:** **Alpine Wells Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Alpine |
| LOCATION: | Lincoln County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $359,790 |
| ACTUAL EXPENDITURES: | $359,720 |
| DESCRIPTION: | Well pump upgrades, emergency power generator |
| ENGINEER: | Rendezvous Engineering; Jackson, WY |
| CONTRACTOR: | Thomas Drilling; Afton, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2006 |

**11. PROJECT:** **Alta/Targhee Towne Water Supply**

| | |
|---|---|
| SPONSOR: | Targhee Towne Water District |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $466,000 |
| ACTUAL EXPENDITURES: | $418,670.62 |
| DESCRIPTION: | Two well completions, well houses and pipeline |
| ENGINEER: | Rendezvous, Engineering, Jackson, Wyoming |
| CONTRACTOR: | Westwood Curtis Construction, Inc., Jackson Wyoming |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2005 |

**12. PROJECT:** **American Road Water Supply Project**

| | |
|---|---|
| SPONSOR: | American Road Water and Sewer District |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $250,000 |
| ACTUAL EXPENDITURES: | $132,010 |
| DESCRIPTION: | New Well |
| ENGINEER: | Wester-Wetstein Associates; Laramie, Wyoming |
| CONTRACTOR: | Ruby Drilling, Gillette, Wyoming |
| YEAR COMPLETED; | 1999 |
| SESSION LAW YEAR: | 1997 |

**13. PROJECT:** **Antelope Valley Storage Facility**

| | |
|---|---|
| SPONSOR: | Antelope Valley Improvement & Service Dist. |
| LOCATION: | Campbell County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $850,000 |
| ACTUAL EXPENDITURES: | $378,621 |
| DESCRIPTION: | Storage Tank |
| ENGINEER: | Bruce Engineering Services; Gillette, Wyoming |
| CONTRACTOR: | L&T Fabrication; Gillette, Wyoming |
| YEAR COMPLETED: | 1997 |
| SESSION LAW YEAR: | 1994 |

**14. PROJECT:** **Antelope Valley Water Supply**

| | |
|---|---|
| SPONSOR: | Antelope Valley Improvement & Service District |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $102,000 |
| ACTUAL EXPENDITURES: | $ 94,106.55 |
| DESCRIPTION: | New Well |
| ENGINEER: | Wester-Wetstein and Associates, Laramie, WY |
| CONTRACTOR: | Michael's Construction, Gillette, Wyoming |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 2000 |

**15. PROJECT:** **Baggs Raw Water and Dedicated Transmission Line**

| | |
|---|---|
| SPONSOR: | Town of Baggs |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $331,500 |
| ACTUAL EXPENDITURES: | $331,500 |
| DESCRIPTION: | Transmission pipeline |
| ENGINEER: | Lidstone and Associates; Fort Collins CO |
| CONTRACTOR: | Edward Hawley, LLC; Torrington, WY |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2005 |

**16. PROJECT:** **Baggs Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Baggs |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $120,000 |
| ACTUAL EXPENDITURES: | $114,518.81 |
| DESCRIPTION: | Construction of stream bed infiltration intake and pipeline to provide for a more reliable raw water source from the river. |
| ENGINEER: | A.V.I. Professional Corporation, Cheyenne, Wyoming |
| CONTRACTOR: | High Plains Construction, Inc., Mills, Wyoming |
| YEAR COMPLETED: | 2003 |
| SESSION LAW YEAR: | 2001, 2003 |

**17. PROJECT:** **Bairoil Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Bairoil |
| LOCATION: | Carbon County |
| PROGRAM: | New Development |
| APPROPRIATION: | $480,000 |
| ACTUAL EXPENDITURES: | $445,040 |
| DESCRIPTION: | To develop an alternative groundwater supply to the Battle Springs Pipeline. |
| ENGINEER: | Wester-Wetstein & Associates, Laramie, Wyoming<br>Camp Creek Engineering, Laramie, Wyoming |
| CONTRACTOR: | Three Sons, Hanna Wyoming<br>Bartlett Oilfield Services, Bairoil Wyoming<br>Bruce Thayer, Rawlins Wyoming |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2000, 2004 |

**18. PROJECT:** **Basin Area Water Supply (formerly Manderson Water Supply)/Basin Gardens Water Project**

| | |
|---|---|
| SPONSOR: | South Big Horn County Water Supply JPB |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $670,000+$5,360,000+$200,000+<br>$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<br>Larry's, Inc. Gillette, Wyoming<br>Brandon Construction, Inc., Powell, Wyoming<br>Lamax Construction, Inc., Basin, Wyoming<br>Lamax Construction, Inc., Basin, Wyoming |
| YEAR COMPLETED: | 1995-2006 |
| SESSION LAW YEAR: | 1995, 1996, 1998, & 2003 |

**19. PROJECT:** **Basin Storage Tank**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Town of Basin |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,634,000 |
| ACTUAL EXPENDITURES: | $939,928 |
| DESCRIPTION: | Replace two existing storage tanks with one tank |
| ENGINEER: | Donnell & Allred, Inc., Worland, Wyoming |
| CONTRACTOR: | EAI, West, Loveland CO |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**20. PROJECT:** **Basin Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Basin |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,750,000 |
| ACTUAL EXPENDITURES: | $1,152,204 |
| DESCRIPTION: | Pipeline, reservoirs |
| ENGINEER: | Civil Engineering Professionals, Inc.; Casper, Wyoming |
| CONTRACTOR: | Larry's Inc.; Gillette, Wyoming |
| YEAR COMPLETED: | 1987 |
| SESSION LAW YEAR: | 1984 |

**21. PROJECT:** **Bear River/Evanston Regional Pipeline**

| | |
|---|---|
| SPONSOR: | Bear River Regional Joint Powers Board |
| LOCATION: | Uinta County |
| PROGRAM: | New Development |
| APPROPRIATION: | $3,699,070 |
| ACTUAL EXPENDITURES: | $3,699,070 |
| DESCRIPTION: | 25 mile regional pipeline, storage tank, inter-connect and meter building, booster pump station |
| ENGINEER: | Sunrise Engineering, Afton, Wyoming |
| CONTRACTOR: | Allied Construction, Corrine, Utah |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2006 |

**22. PROJECT:** **Bedford Water Supply**

| | |
|---|---|
| SPONSOR: | Bedford Water and Sewer District |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,300,000 |
| ACTUAL EXPENDITURES: | $1,151,230 |
| DESCRIPTION: | Springs, well, pipeline |
| ENGINEER: | Forsgren Associates, Inc.; Evanston, Wyoming |
| CONTRACTOR: | Snyder Construction, Inc.; Evanston, Wyoming |
| YEAR COMPLETED: | 1989 |
| SESSION LAW YEAR: | 1988, 1989 |

**23. PROJECT:** **Bedford Water Tank**

| | |
|---|---|
| SPONSOR: | Bedford Water & Sewer District |
| LOCATION: | Lincoln County |
| PROGRAM: | New Development |
| APPROPRIATION: | $835,000 |
| ACTUAL EXPENDITURES: | $652,891.06 |
| DESCRIPTION: | 500,000 gallon Storage Tank |
| ENGINEER: | Forsgren Associates, Inc.; Evanston, WY |
| CONTRACTOR: | Engineering America, Inc. dba EAI West; Loveland, CO |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2004, 2007 |

**24. PROJECT:** **Big Horn Basin Rural Water Supply**

| | |
|---|---|
| SPONSOR: | Northwest Rural Water District |
| LOCATION: | Park and Big Horn Counties |
| PROGRAM: | New Development |
| APPROPRIATION: | $11,410,000 |
| ACTUAL EXPENDITURES: | $11,410,000 |
| DESCRIPTION: | Rural domestic water supply for rural Park and Big Horn Counties residents |
| ENGINEER: | Engineering Associates; Cody, Wyoming |
| CONTRACTOR: | Several |
| YEAR COMPLETED: | 1998 |
| SESSION LAW YEAR: | 1991, 1995, 1996, 1997 |

**25. PROJECT:** **Big Horn Canal Improvements**

| | |
|---|---|
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Washakie and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $693,000 |
| ACTUAL EXPENDITURES: | $485,420 |
| DESCRIPTION: | Elk Creek Siphon |
| ENGINEER: | Natural Resources Conservation Service<br>Donnell & Allred, Inc.; Worland, Wyoming |
| CONTRACTOR: | Big Horn Redi-Mix; Greybull, Wyoming |
| YEAR COMPLETED: | 1998 |
| SESSION LAW YEAR: | 1995 |

**26. PROJECT:** **Big Horn Canal Lining**

| | |
|---|---|
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Washakie and Big Horn Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $500,000 |
| ACTUAL EXPENDITURES: | $500,000 |
| DESCRIPTION: | Replacement of existing concrete canal lining |
| ENGINEER: | Engineering Associates; Cody, Wyoming |
| CONTRACTOR: | EHC, LLC, Deaver, Wyoming |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2008 |

**27. PROJECT:** **Big Horn Canal Rehabilitation 2009**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Big Horn Canal Irrigation District |
| LOCATION: | Big Horn and Washakie Counties |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,180,000 |
| ACTUAL EXPENDITURES: | $948,866 |
| DESCRIPTION: | Replace diversion and drop structures |
| ENGINEER: | Big Horn Engineering, Harrison, AR |
| CONTRACTOR: | CC&G, Lander WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009, 2010 |

**28. 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 |

**29. 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 |

**30. 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<br>Storage tank – Caldwell Tanks, Inc., Louisville, KY<br>Controls – PFIX Controls, Alabaster, AL<br>Meter Building – Moose Valley Construction, Big Piney, WY |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2003, 2005 |

**31. 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 |

**32.** **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 |

**33.** **PROJECT:** **Bridger Valley Intake Structure Rehabilitation**

| | |
|---|---|
| SPONSOR**:** | Bridger Valley Joint Powers Board |
| LOCATION: | Uinta County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $505,000 |
| ACTUAL EXPENDITURES: | $505,000 |
| DESCRIPTION: | Diversion/intake structure, raw water transmission line, 0.5 MG finished water storage tank |
| ENGINEER: | Uinta Engineering & Surveying, Inc. |
| CONTRACTOR: | Intake/diversion structure – X-It Const., Lyman, WY<br>Transmission line – SCI, Inc., Lyman, Wyoming |
| YEAR COMPLETED: | Intake/diversion structure – 2003<br>Transmission line – 2003<br>Storage tank - 2004 |
| SESSION YEAR LAW: | 2001 and 2002 |

**34.** **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 |

**35.** **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 |

**36. 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 |

**37. 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 |

**38. 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 |

**39. 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 |

**40.** **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

**41.** **PROJECT:** **Buffalo Water Storage Tank**
SPONSOR: Town of Buffalo
LOCATION: Johnson County
PROGRAM: New Development
APPROPRIATION: 2003: $2,152,500.00
2005: $550,000.00
2006: $576,870.00
TOTAL: $3,279,370.00
ACTUAL EXPENDITURES: $2,938,260.47
DESCRIPTION: Storage tank and trans0000mission pipelines
ENGINEER: States West, Cheyenne, Wyoming
CONTRACTOR: Storage Tank:Reiman Corporation, Cheyenne, WY
Pipeline:Western Municipal Construction, Sheridan, WY
YEAR COMPLETED: 2008
SESSION LAW YEAR: 2003, 2005, 2006

**42.** **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

**43.** **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

**44.** **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

**45.** **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

**46.** **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

**47.** **PROJECT:** **Casper Alcova**
SPONSOR: Casper Alcova Irrigation District
LOCATION: Natrona County
PROGRAM: Rehabilitation
APPROPRIATION: $1,263,000
ACTUAL EXPENDITURES: $1,231,925
DESCRIPTION: Canal lining
ENGINEER: Soil Conservation Service
CONTRACTOR: LaMax Construction; Basin, Wyoming
Central Contractors, Mills, Wyoming
Jerry's Irrigation, Powell, Wyoming
Hedquist Construction, Casper, Wyoming
71 Construction, Casper, Wyoming
YEAR COMPLETED: 1996
SESSION LAW YEAR: 1985

**48.** **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.<br>Inberg-Miller Engineers, Inc., Casper, Wyoming<br>Worthington, Lenhart, and Carpenter, Inc., Casper, Wy. |
| CONTRACTOR: | Casper Alcova Irrigation District<br>Pioneer Irrigation Co., Casper, Wyoming<br>Lanphier, Inc., Lingle, Wyoming |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2004, 2005, 2006 |

**49.** **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 |

**50.** **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 |

**51.** **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 |

**52. PROJECT:** **Casper Paradise Valley Pipeline**

| | |
|---|---|
| SPONSOR: | City of Casper |
| LOCATION: | Natrona County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,139,000 |
| ACTUAL EXPENDITURES: | $595,993.60 |
| DESCRIPTION: | Construction of 16-inch pipeline and appurtenances in Paradise Drive from CY Avenue to a pipeline on the north side of the North Platte River. |
| ENGINEER: | WWC Engineering, Casper, WY |
| CONTRACTOR: | Andreen Hunt Construction, Casper, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**53. 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 |

**54. 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 |

**55. PROJECT:** **Casper Rock Creek Dam Rehabilitation**

| | |
|---|---|
| SPONSOR: | City of Casper |
| LOCATION: | Fremont County (Project), Natrona County (Beneficiary) |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $834,150.00 |
| ACTUAL EXPENDITURES: | $834,150.00 |
| DESCRIPTION: | Outlet works, spillway rehab, SCADA and electrical |
| ENGINEER: | Civil Engineering Professionals, Inc. ; Casper, Wyoming |
| CONTRACTOR: | Rice-Kilroy Construction, Inc.; Dubois, Wyoming<br>Automation and Electronics, Inc.; Casper, Wyoming<br>Rocky Mountain Line Systems, Inc.; Mills, Wyoming |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2008 |

**56. PROJECT:** **Casper Zone II**

| | |
|---|---|
| SPONSOR: | City of Casper |
| LOCATION: | Natrona County |
| PROGRAM: | New Construction |
| APPROPRIATION: | $3,188,000 |
| ACTUAL EXPENDITURES: | $1,366,400.72 |
| DESCRIPTION: | This project was constructed in two phases. The first phase consisted of a transmission pipeline that was installed as part of the 21st street extension. The second phase was the construction of the remainder of the transmission pipeline and water storage tank east of Casper. |
| ENGINEER: | Civil Engineering Professionals, Inc. |
| CONTRACTORS: | JTL Group, Cheyenne, Wyoming<br>Hedquist Construction, Inc., Casper, Wyoming |
| YEAR COMPLETED: | 2007 |
| SESSION LAW YEAR: | 2002 |

**57. PROJECT:** **Casper Zone II – Phase II**

| | |
|---|---|
| SPONSOR: | City of Casper |
| LOCATION: | Natrona County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,300,000 |
| ACTUAL EXPENDITURES: | $1,150,291.66 |
| DESCRIPTION: | Construction of a transmission pipeline, storage tank and SCADA controls in the city's Zone II pressure zone. |
| ENGINEER: | Civil Engineering Professionals, Inc. |
| CONTRACTOR: | Andreen Hunt Construction, Inc., Casper, Wyoming |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2005 |

**58. PROJECT:** **Casper Zone III**

| | |
|---|---|
| SPONSOR: | City of Casper |
| LOCATION: | Natrona County |
| PROGRAM: | New Construction |
| APPROPRIATION: | $3,200,000.00 |
| ACTUAL EXPENDITURES: | $1,873,847.71 |
| DESCRIPTION: | Design and construction of transmission pipelines, a booster pump station and a storage tank. |
| ENGINEER: | Civil Engineering Professionals, Inc., Casper, WY |
| CONTRACTOR: | High Plains Construction, Inc., Casper, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2007 |

**59.** **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

**60.** **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

**61.** **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

**62.** **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

**63. 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 |

**64. 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 |

**65. 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 |

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

| | |
|---|---|
| SPONSOR: | City of Cheyenne |
| LOCATION: | Laramie County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $750,000 |
| ACTUAL EXPENDITURES: | $554,807.46 |
| DESCRIPTION: | Rehabilitation to existing dam and controls. |
| ENGINEER: | States West Water Resources Corporation, Cheyenne, Wyoming |
| CONTRACTOR: | Moltz Constructors, Inc., Cody, Wyoming |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 2001, 2002 |

**67. 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 |

**68. 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 |

**69. 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 |

**70. 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 |

**71.** **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<br>Wester-Wetstein & Associates, Laramie, Wyoming<br>Weston Engineering, Inc, Laramie, Wyoming |
| CONTRACTOR: | Sargent Irrigation, Scottsbluff, Nebraska<br>D.C. Drilling Co.; Lusk, Wyoming<br>Weston Engineering, Inc, Upton, Wyoming<br>Magee Trucking; Cheyenne, Wyoming<br>Ward's Well Service; Riverton, Wyoming |
| YEAR COMPLETED: | 1997 |
| SESSION LAW YEAR: | 1988 and 1993 |

**72.** **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<br>Sargent Irrigation Co., Inc; Scottsbluff, Nebraska<br>Richardson Construction; Cheyenne, Wyoming<br>D.C. Drilling, Inc.; Lusk, Wyoming<br>Kelly-Deines Irrigation, Inc; Gering, Nebraska |
| DATE COMPLETED: | 2007 |
| SESSION LAW DATE: | 1999, 2003, 2005, 2006 |

**73.** **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 |

**74. 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 |

**75. 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 |

**76. PROJECT:** **Cody Canal Rehabilitation**

| | |
|---|---|
| SPONSOR: | Cody Canal Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,375,000 |
| ACTUAL EXPENDITURES: | $1,161,876 |
| DESCRIPTION: | Replace Sulphur Creek Siphon, Spillway, Diamond Creek Flume |
| ENGINEER: | Engineering Associates, Cody Wyoming |
| CONTRACTOR: | Excel Construction, Sheridan, Wyoming<br>Sletten Construction, Cody, Wyoming |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007, 2008 |

**77. 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 |

**78. 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 |

**79. 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 |

**80. 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 |

**81. 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 |

**82. 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 |

**83. 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 |

**84. 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 |

**85. PROJECT:** **Dayton Water Supply Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Dayton |
| LOCATION: | Sheridan County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $619,200 |
| ACTUAL EXPENDITURES: | $619,200 |
| DESCRIPTION: | Replacement of a Water Transmission Line from the Water Treatment Plant to town and construction of a booster pump station at the Water Treatment Plant. |
| ENGINEER: | Entech, Inc.<br>HKM Engineering, Sheridan, Wyoming |
| CONTRACTOR: | Western Municipal, Sheridan, Wyoming<br>Hofer Building |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2001 and 200 |

**86. 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 |

**87. 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<br>Production Machine Co., Inc.; Powell, Wyoming<br>Miller Fabrication, Inc.; Lovell, Wyoming |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2003, 2005 |

**88. 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<br>Sage Civil Engineering, Cody, Wyoming |
| CONTRACTOR: | Deaver Irrigation District |
| MATERIALS: | Miller Fabrication, Inc., Lovell, Wyoming<br>J&E Irrigation, Inc., Basin, Wyoming |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2007 |

**89. 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 |

**90. 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 |

**91. 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 |

**92. PROJECT:** **Douglas Water Supply Project**

| | |
|---|---|
| SPONSOR: | City of Douglas |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,070,000 |
| ACTUAL EXPENDITURES: | $2,031,652.28 |
| DESCRIPTION: | New Roof on spring house and addition of chlorination facilities. Construction of one new tank and rehabilitation of two other tanks. Construction of a new pump station for Wyoming Law Enforcement Academy. |
| ENGINEER: | Civil Engineering Professionals Inc.; Casper, Wyoming |
| CONTRACTOR: | Salt Creek Welding, Casper, Wyoming; High Plains Construction, Casper, Wyoming; Water System Drilling; Gillette Wyoming; Russell Construction, Douglas, WY. |
| YEAR COMPLETED: | 2004 |
| SESSION LAW YEAR: | 1999, 2003 |

**93. 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 |

**94. 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 |

**95. 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 |

**96. PROJECT:** **Dubois Well No. 11 Supply**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Town of Dubois |
| LOCATION: | Fremont |
| PROGRAM: | New Development |
| APPROPRIATION: | $415,000 |
| ACTUAL EXPENDITURES: | $271,197 |
| DESCRIPTION: | Connect new well to system |
| ENGINEER: | Stetson, Riverton WY |
| CONTRACTOR: | 71 Construction, Riverton WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2006, 2008 |

**97. 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 |

**98. 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<br>Bartlett, Inc, Hanna, Wyoming |
| YEAR COMPLETED: | 1998 |
| SESSION LAW YEAR: | 1992 |

**99. 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 |

**100. 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 |

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

| | |
|---|---|
| SPONSOR: | Town of Encampment |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $400,000 |
| ACTUAL EXPENDITURES: | $268,043.41 |
| DESCRIPTION: | Construction of a raw water pipeline in the Town's open ditch conveyance system. This project completes this pipeline from the end of the existing pipe to the water treatment plant. |
| ENGINEER: | PMPC Civil Engineers, Saratoga, Wyoming |
| CONTRACTOR: | Three Way, Inc., Gillette, Wyoming and Hot Iron, Inc., Gillette, Wyoming, a joint venture |
| YEAR COMPLETED: | 2002 |
| SESSION LAW YEAR: | 2001, 2002 |

**102. 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 |

**103. 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 |

**104. 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 |

**105. 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 |

**106. 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 |

**107. PROJECT:** **Evansville Elkhorn Creek Water Supply**

| | |
|---|---|
| SPONSOR: | Town of Evansville |
| LOCATION: | Natrona County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $50,000 |
| ACTUAL EXPENDITURES: | $0 |
| DESCRIPTION: | Infiltration gallery and monitoring facility |
| ENGINEER: | Hibsman Associates; Casper, Wyoming |
| YEAR COMPLETED: | 2000 |
| SESSION LAW YEAR: | 1996 |

**108. 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 |

**109. 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 |

**110. 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 |

**111. PROJECT:** **Farview Water Supply**

| | |
|---|---|
| SPONSOR: | Farview Water District |
| LOCATION: | Fremont County |
| PROGRAM: | New Development |
| APPROPRIATION: | $100,000.00 |
| ACTUAL EXPENDITURES: | $97,632.45 |
| DESCRIPTION: | Completion of a Level II well and pipeline |
| ENGINEER: | Stetson Engineering, Riverton, WY |
| CONTRACTOR: | 71 Construction; Riverton, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2010 |

**112. PROJECT:** **Fayette Irrigation District**

| | |
|---|---|
| SPONSOR: | Fayette Irrigation District |
| LOCATION: | Sublette County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $ 75,000 (2002)<br>$160,000 (2006)<br>$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 |

**113. 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 |

**114. 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 |

**115. 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 |

**116. 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<br>Noble Construction; Pinedale, Wyoming |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1982, 1986, 1992 |

**117. 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 |

**118. 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 |

**119. 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 |

**120. 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 |

**121. 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 |

**122. 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 |

**123. PROJECT:** **Gillette Madison Well Field Expansion**

| | |
|---|---|
| SPONSOR: | City of Gillette |
| LOCATION: | Campbell County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,628,250 |
| ACTUAL EXPENDITURES: | $1,619,192 |
| DESCRIPTION: | Two New Wells, Improvement of another well, pipeline |
| ENGINEER: | Wester-Wetstein; Gillette, Wyoming |
| CONTRACTOR: | Jim's Water Service; Gillette, Wyoming, Hot Iron; Gillette, Wyoming, Tower Construction, Gillette, WY |
| YEAR COMPLETED: | 2000 |
| SESSION LAW YEAR: | 1995,1996 |

**124. 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 |

**125. PROJECT:** **Gillette Rehabilitation**

| | |
|---|---|
| LEVEL: | III |
| PROGRAM: | Rehabilitation |
| LOCATION: | Campbell County |
| SPONSOR: | City of Gillette |
| APPROPRIATION: | $300,000 |
| ACTUAL EXPENDITURES: | $300,000 |
| DESCRIPTION: | Installation electrical distribution cable, surge arresters, transformers, switch gear, and electrical controls. |
| ENGINEER: | Cooper Power Systems; Pittsburgh, PA, Consolidated Engineering & Material Testing; Gillette, Wyoming |
| CONTRACTOR: | Automation & Electronics; Casper, Wyoming |
| YEAR COMPLETED: | 2000 |
| SESSION LAW YEAR; | 1997 |

**126. 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 |

**127. PROJECT:** **Glendo Well**

| | |
|---|---|
| SPONSOR: | Town of Glendo |
| LOCATION: | Platte County |
| PROGRAM: | New Development |
| APPROPRIATION: | $780,000 |
| ACTUAL EXPENDITURES: | $292,404.37 |
| DESCRIPTION: | Installation a well pump and transmission pipeline to connect a Level II well to the town's water system. |
| ENGINEER: | WWC Engineering, Laramie, WY |
| CONTRACTOR: | Schmidt Earth Builders, Windsor CO |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007, 2009 |

**128. 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 |

**129. PROJECT:** **Glenrock Sunup Ridge Tank Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $132,750 |
| ACTUAL EXPENDITURES: | $129,824.41 |
| DESCRIPTION: | Storage reservoir interior and exterior coating systems |
| ENGINEER: | CEPI; Casper, Wyoming |
| CONTRACTOR: | Wyoming Power Wash, Inc., Casper, Wyoming |
| YEAR COMPLETED: | 2007 |
| SESSION LAW YEAR: | 2004 |

**130. 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 |

**131. 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 |

**132. PROJECT:** **Glenrock Well**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Town of Glenrock |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $ 700,000 |
| ACTUAL EXPENDITURES: | $ 614,137 |
| DESCRIPTION: | Connect new well to system |
| ENGINEER: | CEPI, Casper WY |
| CONTRACTOR: | High Plains, Casper WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2008, 2009 |

**133. PROJECT:** **Gooseberry Rehabilitation**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Gooseberry Creek Irrigation District |
| LOCATION: | Washakie County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,260,000 |
| ACTUAL EXPENDITURES: | $1,207,767 |
| DESCRIPTION: | Rehabilitation of headgates and diversion structures |
| ENGINEER: | Lidstone and Associates; Fort Collins CO |
| CONTRACTOR: | COP Wyoming, LLC, Sheridan WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2008, 2010 |

**134. 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 |

**135. 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 |

**136. 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<br>Lanphier, Inc., Lingle, Wyoming<br>Waterman Industries, Inc., Garden City, Kansas<br>Innovative Process Design, Inc., Aurora, Colorado<br>Smitty's Repair Service, Inc., Torrington, Wyoming |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2000, 2004 |

**137. 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<br>Lidstone-Anderson; Ft. Collins, Colorado |
| CONTRACTOR: | Bartlett Construction; Hanna, Wyoming<br>John's Pump Service; Torrington, Wyoming |
| YEAR COMPLETED: | 1997 |
| SESSION LAW YEAR: | 1992, 1994, 1995, and 1996 |

**138. PROJECT:** **Goshen Rehabilitation 2009**

| | |
|---|---|
| SPONSOR: | Goshen Irrigation District |
| LOCATION: | Goshen County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,200,000.00 |
| ACTUAL EXPENDITURES: | $1,126,138.93 |
| DESCRIPTION: | Horse Creek Automation, Table Mountain Lateral 83.6 and Springer Main 10.1 irrigation ditch to pipe conversion |
| ENGINEER: | Anderson Consulting Engineers, Ft. Collins, CO |
| CONTRACTOR: | Flowmation, Inc., Brighton, CO; Smitty's Repair Service, Inc., Torrington, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009, 2011 |

**139. PROJECT:** **Granger Water Storage Project**

| | |
|---|---|
| SPONSOR: | Town of Granger |
| LOCATION: | Sweetwater County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,024,430 |
| ACTUAL EXPENDITURES: | $1,024,430 |
| DESCRIPTION: | 500,000 gallon storage tank, transmission line |
| ENGINEER: | Nelson Engineering, Jackson, WY |
| CONTRACTOR: | DYK, Inc., El Cajon, CA |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007 |

**140. PROJECT:** **Green River Supply Canal Rehabilitation**

| | |
|---|---|
| SPONSOR: | Green River Irrigation District |
| LOCATION: | Sublette County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $350,000 |
| ACTUAL EXPENDITURES: | $346,960.78 |
| DESCRIPTION: | Diversion and flume rehabilitation, canal reshaping |
| ENGINEER: | Jack t. Doyle; Pinedale, WY |
| CONTRACTOR: | Teletractors, Inc.; Pinedale, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2005,2009 |

**141. 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. |
| ENGINEER: | Crank Companies, Inc., Diamondville, Wyoming |
| CONTRACTOR: | LaMax Construction, Basin, Wyoming |
| YEAR COMPLETED: | 2005 |
| SESSION LAW YEAR: | 2000 |

**142. 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 |

**143. PROJECT:** **Greybull Pipeline and Well Improvements Project**

| | |
|---|---|
| SPONSOR: | Town of Greybull |
| LOCATION: | Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,470,000.00 |
| ACTUAL EXPENDITURES: | $ 860,854.21 |
| DESCRIPTION: | Design and construction of transmission pipeline and well improvements. The town's well field is located near the community of Shell, about 15 miles east of Greybull. |
| ENGINEER: | Engineering Associates, Cody, Wyoming |
| CONTRACTOR: | LAMAX CONSTRUCTION, INC., Basin, Wyoming |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2008 |

**144. 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<br>Automation Electronics, Casper, Wyoming |
| YEAR COMPLETED; | 2000 |
| SESSION LAW YEAR: | 1996 |

**145. 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 |

**146. 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 |

**147. 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 |

**148. 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 |

**149. 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 |

**150. 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 |

**151. 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<br>Magic Valley Heliac, Twin Falls, Idaho |
| YEAR COMPLETED: | 1992 |
| SESSION LAW YEAR: | 1990 |

**152. 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 |

**153. 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<br>DMJM, Denver, Colorado<br>Stone and Webster, Denver, Colorado |
| CONTRACTOR: | Larry's Plumbing and Heating, Gillette, Wyoming<br>Scott and Son, Torrington, Wyoming<br>Lower and Co., Casper, Wyoming |
| DATE COMPLETED: | 1989 |
| SESSION LAW DATE: | 1983, 1985, 1993 |

**154. 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 |

**155. PROJECT:** **Heart Mountain Pipe Conversion**

| | |
|---|---|
| SPONSOR: | Heart Mountain Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $715,340 |
| ACTUAL EXPENDITURES: | $715,340 |
| DESCRIPTION: | Pipe laterals H28, R39, part of R15-2N&6N |
| ENGINEER: | Engineering Associates, Cody, Wyoming |
| CONTRACTOR: | Heart Mountain Irrigation District |
| DATE COMPLETED: | 2008 |
| SESSION LAW DATE: | 2004, 2006 |

**156. PROJECT:** **Heart Mountain Rehabilitation**

| | |
|---|---|
| SPONSOR: | Heart Mountain Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,574,500.00 |
| ACTUAL EXPENDITURES: | $ 835,030.14 |
| DESCRIPTION: | Pipe laterals R15-2N & 6N, R26, R28, Weed Screen on Heart Mountain Canal |
| ENGINEER: | Engineering Associates, Inc., Cody, WY |
| CONTRACTOR: | Heart Mountain Irrigation District |
| MATERIALS: | Waterworks Irrigation, Inc., Ralston, WY<br>J&E Irrigation, Inc., Basin, WY<br>Miller's Fabrication & Construction, Inc., Lovell, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2008 |

**157. 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<br>Anderson Consulting Engineers, Fort Collins, Colorado |
| CONTRACTOR: | Midvale Irrigation District |
| DATE COMPLETED: | 2010 |
| SESSION LAW DATE: | 2004, 2006 |

**158. 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<br>Big Horn Red-Mix; Worland, Wyoming<br>Tesco Electric; Worland, Wyoming |
| YEAR COMPLETED: | 1994 |
| SESSION LAW YEAR: | 1989 |

**159. 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 |

**160. 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 |

**161. 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 |

**162. 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<br>Grizzly Engineering, Buffalo, WY |
| CONTRACTOR: | Mulinax Concrete Service Co., Inc., Sheridan, WY<br>Johansen Construction, Mt. Pleasant, UT |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2006 |

**163. 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<br>BenchMark Engineering; Torrington, Wyoming |
| CONTRACTOR: | Horse Creek Conservation District; Hawk Springs, Wyoming |
| MATERIALS: | Shively Hardware Co., Saratoga, Wyoming<br>Vaughn Concrete Products, Inc.; Cheyenne, Wyoming<br>Lanphier, Inc.; Lingle, Wyoming<br>Panhandle Concrete Products, Inc.; Scottsbluff, Nebraska |
| YEAR COMPLETED: | 2001 |
| SESSION LAW DATE: | 1999 |

**164. PROJECT:** **Hudson Water Supply**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Town of Hudson |
| LOCATION: | Fremont County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,520,000 |
| ACTUAL EXPENDITURES: | $617,566 |
| DESCRIPTION: | Replacement of 10 alluvial wells and collection system |
| ENGINEER: | James Gores and Associates, Riverton, WY |
| CONTRACTOR: | Jerry Bornhoft Construction, Inc., Riverton WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**165. 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 |

**166. 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 |

**167. 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 |

**168. 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 |

**169. 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 |

**170. 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 |

**171. 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 |

**172. PROJECT:** **Jackson Storage Tanks**

| | |
|---|---|
| SPONSOR: | Town of Jackson |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $4,000,000 |
| ACTUAL EXPENDITURES: | $3,509,229.90 |
| DESCRIPTION: | Replacement of two ground level storage tanks |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | MD Nursery & Landscaping; Driggs, ID |
| | Westwood Curtis Construction; Jackson, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2010 |

**173. 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 |

**174. 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 |

**175. 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 |

**176. 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 |

**177.** **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

**178.** **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

**179.** **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

**180.** **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

**181. 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<br>C&S Construction, Inc.; Billings, Montana<br>Big Horn Welding, Inc.; Buffalo, Wyoming |
| YEAR COMPLETED: | 2009 |
| SESSION LAW YEAR: | 2005, 2009 |

**182. 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 |

**183. PROJECT:** **Lake Hattie Outlet Works**

| | |
|---|---|
| SPONSOR: | Pioneer Canal – Lake Hattie Irrigation District |
| LOCATION: | Albany County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $163,000 |
| ACTUAL EXPENDITURES: | $163,000 |
| DESCRIPTION: | New Outlet structure to prevent the build up of sediment in the outlet pipes |
| ENGINEER: | WWC Engineering |
| CONTRACTOR: | Hamaker Excavation, Laramie, Wyoming<br>Timberline Excavating, Sundance, Wyoming |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2004 |

**184. 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<br>Domson, Inc.; Torrington, Wyoming |
| YEAR COMPLETED: | 1996 |
| SESSION LAW DATE: | 1990 |

**185. 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 |

**186. 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 |

**187. 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 |

**188. 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 |

**189. 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 |

**190. 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 |

**191. PROJECT:** **Laramie County Archer Water Supply**

| | |
|---|---|
| SPONSOR: | Laramie County |
| LOCATION: | Laramie County |
| PROGRAM: | New Development |
| APPROPRIATION: | $201,000.00 |
| ACTUAL EXPENDITURES: | $115,153.31 |
| DESCRIPTION: | Drilling, testing and completion of a production well |
| ENGINEER: | Western R&D; Cheyenne, Wyoming; Dahlgren Consulting, Inc., Cheyenne, WY |
| CONTRACTOR: | Sargent Irrigation; Broken Bow, NE |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**192. PROJECT:** **Laramie East Side Tank**

| | |
|---|---|
| SPONSORS: | City of Laramie |
| LOCATION: | Albany County |
| PROGRAM: | New Development |
| APPROPRIATION: | $4,780,000 |
| ACTUAL EXPENDITURES: | $4,756,141.55 |
| DESCRIPTION: | The purpose of this project is to construct transmission lines, water storage facilities, and pump stations for the City of Laramie. |
| ENGINEER: | Wester-Wetstein; Laramie, WY |
| CONTRACTOR: | Reiman Corporation/Aslan Construction, Cheyenne, WY |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 2002 |

**193.** **PROJECT:** **Laramie North Side Supply**
SPONSOR: City of Laramie
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $4,240,000
ACTUAL EXPENDITURES: $3,919,669.76
DESCRIPTION: Design and construction of a transmission line in North Laramie, including cathodic protection and partial line replacement. This project also included design for the Laramie East Side Tank Project.
ENGINEER: Aspen Banner for Laramie North design and construction and Wester-Wetstein for Laramie East Side Tank Project design.
CONTRACTOR: Excel Construction, Inc., Sheridan, Wyoming
YEAR COMPLETED: 2006
SESSION LAW YEAR: 2000, 2001, 2002

**194.** 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

**195.** **PROJECT:** **Laramie Rivers**
SPONSOR: Pioneer Canal-Lake Hattie Irrigation District
LOCATION: Albany County
PROGRAM: Rehabilitation
APPROPRIATION: $165,000
ACTUAL EXPENDITURES: $165,000
DESCRIPTION: Refinanced existing loans
ENGINEER: NA
CONTRACTOR: NA
DATE COMPLETED: 1988
SESSION LAW DATE: 1987

**196. 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 |

**197. 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 |

**198. 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 |

**199. 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 |

**200. 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 |

**201. 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 |

**202. PROJECT:** **LeClair Laterals Rehabilitation**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | LeClair Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $565,000 |
| ACTUAL EXPENDITURES: | $426,376 |
| DESCRIPTION: | Various work on laterals |
| ENGINEER: | APEX Surveying, Riverton, WY |
| MATERIALS: | Killebrew Irrigation, Inc., Lander, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2003 |

**203. 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 |

**204. 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 |

**205. 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 |

**206. 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 |

**207. 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<br>C. A. Wilson Construction Company; Cowley, Wyoming<br>Jerry's Irrigation and Drainage, Inc.; Powell, Wyoming<br>Dale Weaver, Inc.; Worland, Wyoming |
| YEAR COMPLETED: | 1990 |
| SESSION LAW DATE: | 1985 |

**208. PROJECT:** **Lovell Rehabilitation 2009**

| | |
|---|---|
| SPONSOR: | Lovell Irrigation District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $432,000.00 |
| ACTUAL EXPENDITURES: | $427,339.07 |
| DESCRIPTION: | Pipe two segments of Bench Lateral |
| ENGINEER: | Sage Civil Engineering, Cody, WY<br>Pryor Mountain Engineering, Cowley, WY |
| CONTRACTOR: | Lovell Irrigation District |
| MATERIALS: | J&E Irrigation, Inc., Basin, WY<br>Waterworks Irrigation, Inc., Ralston, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**209. PROJECT:** **Lovell Transmission Pipelines**

| | |
|---|---|
| SPONSOR: | Town of Lovell |
| LOCATION: | Big Horn County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,299,800 |
| ACTUAL EXPENDITURES: | $1,086,734 |
| DESCRIPTION: | Transmission pipelines |
| ENGINEER: | DOWL HKM; Lovell, WY |
| CONTRACTOR: | Wilson Brothers Construction; Cowley, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2008 |

**210. 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 |

**211. 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 |

**212. 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<br>S.C.I. Inc.; Lyman, Wyoming |
| YEAR COMPLETED: | 1999 |
| SESSION LAW YEAR: | 1996 |

**213. 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 |

**214. 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 |

**215. 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 |

**216. 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 |

**217. 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 |

**218. 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 |

**219. 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 |

**220. PROJECT:** **Midvale Canal Rehabilitation**

| | |
|---|---|
| SPONSOR: | Midvale Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $230,000 |
| ACTUAL EXPENDITURES: | $165,890 |
| DESCRIPTION: | Wyoming Canal 2nd Division Drop Structure Replacement |
| ENGINEER: | APEX Surveying, Riverton, WY |
| MATERIALS: | Cretex Concrete Products, Casper WY<br>Pacific Steel & Recycling, Mills WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2007 |

**221. PROJECT:** **Midvale Conservation/Automation**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Midvale Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $542,700 |
| ACTUAL EXPENDITURES: | $521,127 |
| DESCRIPTION: | Automation of canal |
| ENGINEER: | Anderson, Fort Collins CO |
| CONTRACTOR: | Midvale Irrigation District |
| MATERIALS: | Flowmation, Fort Collins CO |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2006 |

**222. PROJECT:** **Midvale Diversion Dam Rehabilitation**

| | |
|---|---|
| SPONSOR: | Midvale Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $138,000 |
| ACTUAL EXPENDITURES: | $127,842 |
| DESCRIPTION: | Replace gearboxes on Diversion Dam headgates |
| ENGINEER: | Anderson Consulting Engineers, Inc., Fort Collins, CO. |
| CONTRACTOR: | Midvale Irrigation District |
| MATERIALS: | Advanced Hydraulics & Machine, Casper, Wyoming |
| DATE COMPLETED: | 2008 |
| SESSION LAW DATE: | 2005 |

**223. PROJECT:** **Midvale Rehabilitation 2010**

| | |
|---|---|
| SPONSOR: | Midvale Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $263,000 |
| ACTUAL EXPENDITURES: | $207,530 |
| DESCRIPTION: | Wyoming Lateral 44.1 pipeline |
| ENGINEER: | Natural Resources Conservation District, Casper, WY<br>APEX Surveying, Riverton, WY |
| CONTRACTOR: | Midvale Irrigation District |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2010 |

**224. 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<br>R. D. Connell & Associates; Riverton, Wyoming |
| CONTRACTOR: | Midvale Irrigation District |
| DATE COMPLETED: | 1999 |
| SESSION LAW DATE: | 1995 |

**225. 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 |

**226. PROJECT:** **Mile-Hi Water Supply Project**

| | |
|---|---|
| SPONSOR: | Mile-Hi Improvement and Service District |
| LOCATION: | Natrona County |
| PROGRAM: | New Development |
| APPROPRIATION: | $1,015,360.00 |
| ACTUAL EXPENDITURES: | $595,593.42 |
| DESCRIPTION: | Design and construction of transmission pipelines within the district. |
| ENGINEER: | 609 Consulting, LLC, Casper, Wyoming |
| CONTRACTOR: | Grizzly Excavating and Construction, LLC, Casper, Wyoming |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**227. 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<br>Williams Drilling Co.; Gillette, Wyoming |
| DATE COMPLETED: | 1997 |
| SESSION LAW DATE: | 1994 |

**228. 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 |

**229. PROJECT:** **Natrona County Regional Rehabilitation**

| | |
|---|---|
| SPONSOR: | Central Wyoming Water System JPB |
| LOCATION: | Natrona County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $5,357,000 |
| ACTUAL EXPENDITURES: | $5,357,000 |
| DESCRIPTION: | Wellfield, pipeline and storage tank rehabilitation, |
| ENGINEER: | CH2M Hill, Denver, Colorado |
| CONTRACTOR | Lillard & Clark, Denver, Colorado |
| Completion Date | June 2002 |
| Session Law | 1995-1998 |

**230. 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<br>Hedquist Construction, Inc., Casper, Wyoming<br>JTL Group, Inc., Casper, Wyoming<br>High Plains Construction, Inc., Casper, Wyoming |
| COMPLETION DATE: | June 2002 |
| SESSION LAW: | 1995-1998 |

**231. 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<br>City of Newcastle; Newcastle, Wyoming |
| CONTRACTOR: | Sundance Plumbing and Heating; Newcastle, Wyoming<br>DRM, Inc.; Gillette, Wyoming |
| DATE COMPLETED: | 2006 |
| SESSION LAW DATE: | 2000, 2004 |

**232. PROJECT:** **Nine Mile Water Supply**

| | |
|---|---|
| SPONSOR: | Nine Mile Water and Sewer District |
| LOCATION: | Albany County |
| PROGRAM: | New Development |
| APPROPRIATION: | $920,000 |
| ACTUAL EXPENDITURES | $526,698.70 |
| DESCRIPTION: | Water main system including taps to City of Laramie transmission lines, control house, a booster pump station, and transmission mains. |
| ENGINEER: | WWC Engineering; Laramie, Wyoming |
| CONTRACTOR: | Strong Construction; Torrington, Wyoming |
| COMPLETION DATE: | 2003 |
| SESSION LAW: | 2000 |

**233. 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<br>Rondezvous Engineering, Jackson, Wyoming |
| CONTRACTOR: | VanDeburg Excavation; Thayne, Wyoming<br>Thomas Drilling, Afton, Wyoming |
| COMPLETION DATE: | October 2005 |
| SESSION LAW: | 2003 |

**234. 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<br>Mollinax Concrete Service Company; Sheridan, Wyoming |
| YEAR COMPLETED: | 1995 |
| SESSION LAW YEAR: | 1992 |

**235. 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<br>High County Construction; Casper, Wyoming<br>Rieman Construction; Cheyenne, Wyoming |
| YEAR COMPLETED: | 1996 |
| SESSION LAW YEAR: | 1989 |

**236. 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<br>Kilroy and Company; Alpine, Wyoming |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2003 |

**237. 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 |

**238. 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 |

**239. 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 |

**240. 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 |

**241. 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 |

**242. 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 |

**243. 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<br>Rawhide Mechanical; Riverton, Wyoming |
| YEAR COMPLETED: | 1996 |
| SESSION LAW YEAR: | 1994 |

**244. 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 |

**245. PROJECT:** **Pine Bluffs Deep Well 2009**

| | |
|---|---|
| SPONSOR: | Town of Pine Bluffs |
| LOCATION: | Laramie County |
| PROGRAM: | New Development |
| APPROPRIATION: | $583,570.00 |
| ACTUAL EXPENDITURES: | $319,343.69 |
| DESCRIPTION: | Drilling, testing and completion of a production well |
| ENGINEER: | Lidstone & Associates, Ft. Collins, CO |
| CONTRACTOR: | Sargent Irrigation; Broken Bow, NE |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**246. PROJECT:** **Pine Bluffs Lance, Fox Hills Well**

| | |
|---|---|
| SPONSOR: | Town of Pine Bluffs |
| LOCATION: | Laramie County |
| PROGRAM: | New Development |
| APPROPRIATION: | $435,240 |
| ACTUAL EXPENDITURES: | $318,889 |
| DESCRIPTION: | Complete Level II well and upgrades to existing wells |
| ENGINEER: | Dahlgren Consulting; Cheyenne, WY |
| CONTRACTOR: | W.G. Dale Electric; Cheyenne, WY; Mechanical Systems Inc., Cheyenne, WY; Bowman Irrigation; Pine Bluffs, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2006, 2008 |

**247. 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<br>Timberline Electric & Control Corp.; Morrison, CO<br>Town & Country Plumbing, Inc.; Burns, Wyoming |
| DATE COMPLETED: | 2004 |
| SESSION LAW DATE: | 2000 |

**248. 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 |

**249. 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 |

**250. 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 |

**251. 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 |

**252. 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 |

**253. 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 |

**254. 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 |

**255. 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 |

**256. 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 |

**257. 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 |

**258. 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 |

**259. 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<br>Engineered Fluids, Inc., Centralia, Illinois<br>Western Municipal Construction, Gillette, Wyoming |
| YEAR COMPLETED: | 2006 |
| SESSION LAW YEAR: | 2001, 2002, 2003 & 2004 |

**260. 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 |

**261. PROJECT:** **Rafter J Rehabilitation**

| | |
|---|---|
| SPONSOR: | Rafter J Improvement and Service District |
| LOCATION: | Teton County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,152,000 |
| ACTUAL EXPENDITURES: | $1,152,000 |
| DESCRIPTION: | New well and replacement well, storage tank |
| ENGINEER: | Rendezvous Engineering; Jackson, WY |
| CONTRACTOR: | Thomas Drilling; Afton, WY<br>Westwood Curtis Construction; Jackson, WY<br>Associated Brigham Contractors; Brigham city, UT<br>Hansen Excavation, LLC; Jackson, WY<br>Weber Drilling, LLC; Jackson, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2003, 2005, 2006, 2007 |

**262. 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 |

**263. PROJECT:** **Rawlins Atlantic Rim Pipeline**

| | |
|---|---|
| SPONSOR: | City of Rawlins |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $3,900,000 |
| ACTUAL EXPENDITURES: | $2,621,202.45 |
| DESCRIPTION: | Transmission/Supply pipeline |
| ENGINEER: | Wester-Wetstein & Associates Inc., Laramie, WY |
| CONTRACTOR: | Paul Reed Construction & Supply, Nebraska |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009, 2010 |

**264. 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 |

**265. 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 |

**266. 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 |

**267. PROJECT:** **Rawlins Water Supply**

| | |
|---|---|
| SPONSOR: | City of Rawlins |
| LOCATION: | Carbon County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $3,810,000 |
| ACTUAL EXPENDITURES: | $3,547,318.05 |
| DESCRIPTION: | Construct North Platte River raw water intake, pump station and transmission line; rehabilitation of existing Thayer pump station and construction of a treated water transmission line to Sinclair storage tank |
| ENGINEER: | Western Water Consultants, Laramie, Wyoming |
| CONTRACTOR: | Western Municipal Construction, Billings Montana<br>Three Sons Construction, Hanna, Wyoming |
| YEAR COMPLETED: | 2003 |
| SESSION LAW YEAR: | 1998 and 2002 |

**268. 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 |

**269. 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: | 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 |

**270. 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 |

**271. 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 |

**272. PROJECT:** **Riverton Valley Pipeline Relocation**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Riverton Valley Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $670,000 |
| ACTUAL EXPENDITURES: | $583,593.86 |
| DESCRIPTION: | Relocate pipeline in highway right-of-way |
| ENGINEER: | Apex, Riverton WY |
| CONTRACTOR: | Paul Reed, Torrington WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**273. PROJECT:** **Riverton Valley Rehabilitation 2009**

| | |
|---|---|
| LEVEL: | III |
| SPONSOR: | Riverton Valley Irrigation District |
| LOCATION: | Fremont County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $79,000 |
| ACTUAL EXPENDITURES: | $52,000 |
| DESCRIPTION: | Various work on laterals |
| ENGINEER: | APEX Surveying, Riverton, WY |
| MATERIALS: | Killebrew Irrigation, Inc., Lander, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**274. 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 |

**275. 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 |

**276. PROJECT:** **Riverton Water Supply**

| | |
|---|---|
| SPONSOR: | City of Riverton |
| LOCATION: | Fremont County |
| PROGRAM: | New Construction |
| APPROPRIATION: | $312,000 |
| ACTUAL EXPENDITURES: | $283,106 |
| DESCRIPTION: | Well and Transmission Pipeline |
| ENGINEER: | Wester-Wetstein & Assoc., Inc., Laramie, Wyoming |
| CONTRACTOR: | Patrick Construction, Lander, Wyoming |
| YEAR COMPLETED: | 2000 |
| SESSION LAW YEAR: | 1996, 1999 |

**277. 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<br>Moltz Constructors, Inc.; Cody, Wyoming |
| YEAR COMPLETED: | 2001 |
| SESSION LAW YEAR: | 1998 |

**278. 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<br>Crank Companies, Kemmerer, Wyoming |
| CONTRACTOR: | DeBernardi Construction, Rock Springs, Wyoming<br>Snyder Construction, Lyman, Wyoming<br>H-K Construction, Idaho Falls, Idaho<br>High Pains Construction, Casper, Wyoming<br>Resource Engineering, Rock Springs, Wyoming<br>C M E, Green River, Wyoming |
| ENGINEER: | Forsgren Engineering, Evanston, Wyoming<br>Crank Companies, Kemmerer, Wyoming |
| CONTRACTOR: | DeBernardi Construction, Rock Springs, Wyoming<br>Snyder Construction, Lyman, Wyoming<br>H-K Construction, Idaho Falls, Idaho<br>High Pains Construction, Casper, Wyoming<br>Resource Engineering, Rock Springs, Wyoming<br>C M E, Green River, Wyoming |
| YEAR COMPLETED: | 2000 |
| SESSION LAW YEAR: | 1990, 1994 |

**279. 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 |

**280. 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 |

**281. 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 |

**282. PROJECT:** **Salt Creek Water Supply**

| | |
|---|---|
| SPONSOR: | Salt Creek Water & Sewer District |
| LOCATION: | Weston County |
| PROGRAM: | New Development |
| APPROPRIATION: | $690,000 |
| ACTUAL EXPENDITURES: | $690,000 |
| DESCRIPTION: | Upgrade transmission pipeline, put new well on line |
| ENGINEER: | Wester-Wetstein & Associates, Inc. Laramie, Wyoming |
| CONTR2ACTOR: | Hawley, Inc., Torrington, Wyoming |
| DATE COMPLETED: | 2003 |
| SESSION LAW YEAR: | 2000 |

**283. 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 |

**284. 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 |

**285. 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 |

**286. 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 |

**287. 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 |

**288. PROJECT:** **Sheridan/Big Goose Slip Lining**

| | |
|---|---|
| SPONSOR: | City of Sheridan |
| LOCATION: | Sheridan County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $427,020 |
| ACTUAL EXPENDITURES: | $354,852.45 |
| DESCRIPTION: | Cement mortar lining of transmission pipelines |
| ENGINEER: | DOWL HKM; Sheridan, WY |
| CONTRACTOR: | Spiniello Companies; Pomona, CA |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007 |

**289. 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 |

**290. 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 |

**291. 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 |

**292. 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 |

**293. 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 |

**294. 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<br>White Cap Construction Supply; Ft. Collins, Colorado<br>Teton Steel, Inc.; Casper, Wyoming<br>Eden Farms; Powell, Wyoming<br>Big Horn Redi-Mix, Inc.; Thermopolis, Wyoming |
| DATE COMPLETED: | 2006 |
| SESSION LAW DATE: | 2002 |

**295. 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<br>J&E Irrigation, Inc.; Basin, Wyoming<br>Waterworks Irrigation, Inc.; Ralston, Wyoming |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2006 |

**296. 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<br>TIC; Casper, Wyoming<br>ASI Moltz; Cody, Wyoming |
| YEAR COMPLETED: | 1992 |
| SESSION LAW YEAR: | 1987, 1990 |

**297. PROJECT:** **Shoshone Municipal Pipeline - 2009**

| | |
|---|---|
| SPONSOR: | Shoshone Municipal Water JPB |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $2,428,800 |
| ACTUAL EXPENDITURES: | $1,504,077 |
| DESCRIPTION: | Pipeline relocation due to highway construction |
| ENGINEER: | DOWL HKM, Laramie, Wyoming |
| CONTRACTOR: | Garney Wyoming, Inc., Chugwater, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2009 |

**298. 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<br>Engineering Associates, Cody, Wyoming<br>Inberg-Miller Engineers, Powell, Wyoming<br>ESA, Bozeman, Montana<br>Engineering Science, Inc., Salt Lake City, Utah<br>Water Resources Engineers, Powell, Wyoming |
| CONTRACTOR: | LaMax Construction, Basin, Wyoming<br>Miller Fabrication, Lovell, Wyoming<br>Elkhorn Construction, Powell, Wyoming<br>Moltz Construction, Cody, Wyoming<br>Excel Construction, Sheridan, Wyoming |
| MATERIALS: | Elk River Concrete, Helena, Montana<br>A-C Supply, Basin, Wyoming<br>Boomers Irrigation, Powell, Wyoming<br>J&E, Inc., Greybull, Wyoming<br>TNT Irrigation, Inc., Powell, Wyoming |
| DATE COMPLETED: | 2001 |
| SESSSION LAW DATE: | 1992 |

**299. PROJECT:** **Shoshone Rehabilitation 2009**

| | |
|---|---|
| SPONSOR: | Shoshone Irrigation District |
| LOCATION: | Park County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $339,000 |
| ACTUAL EXPENDITURES: | $256,221 |
| DESCRIPTION: | Lateral 11U, Drop #22, Buck Creek Undershot |
| ENGINEER: | Sage Civil Engineering, Cody, Wyoming |
| CONTRACTOR: | Shoshone Irrigation District |
| MATERIALS: | Waterworks Irrigation, Inc., Ralston, Wyoming<br>Northwest Pipe Fittings, Billings, Montana |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**300. PROJECT:** **Shoshone Well and Transmission**

| | |
|---|---|
| SPONSOR: | Eastern Shoshone Tribe |
| LOCATION: | Fremont County, Wind River Indian Reservation |
| PROGRAM: | New Development |
| APPROPRIATION: | $824,000 |
| ACTUAL EXPENDITURES: | $624,473 |
| DESCRIPTION: | Well and Transmission Line |
| ENGINEER: | Lidstone & Associates, Inc., Fort Collins, CO |
| CONTRACTOR: | Patrick Construction Inc., Lander WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007 |

**301. 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 |

**302. 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 |

**303. 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 |

**304. PROJECT:** **Sidon Rehabilitation**

| | |
|---|---|
| SPONSOR: | Sidon Irrigation District |
| LOCATION: | Park and Big Horn County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $295,000.00 |
| ACTUAL EXPENDITURES: | $273,372.20 |
| DESCRIPTION: | Pipe Black-Miller Ditch, mechanical weed screen |
| ENGINEER: | Pryor Mountain Engineering, Cowley, WY |
| CONTRACTOR: | Sidon Irrigation District |
| MATERIALS: | Waterworks Irrigation, Inc., Ralston, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2008, 2009 |

**305. 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 |

**306. 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 |

**307. 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 |

**308. 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 |

**309. 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<br>Hladky Construction; Gillette, Wyoming |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1994 |

**310. 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 |

**311. 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 |

**312. 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 |

**313. 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 |

**314. 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 |

**315. 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 |

**316. 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 |

**317. 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 |

**318. PROJECT:** **Sundance Meadows Water Supply**

| | |
|---|---|
| SPONSOR: | Sundance Meadows Water District |
| LOCATION: | Converse County |
| PROGRAM: | New Development |
| APPROPRIATION: | $332,287.00 |
| ACTUAL EXPENDITURES: | $280,923.99 |
| DESCRIPTION: | Construction of transmission pipeline and appurtenances to serve the District water from the City of Douglas. |
| ENGINEER: | CEPI, Casper, WY |
| CONTRACTOR: | High Plains Construction, Inc., Casper, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2007 |

**319. 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 |

**320. 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<br>Timberline Services, Inc., Sundance, WY |
| YEAR COMPLETED: | 2010 |
| SESSION LAW YEAR: | 2007, 2009 |

**321. 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 |

**322. 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 |

**323. 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 |

**324. 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<br>H-K Construction; Idaho Falls, Idaho |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1992 |

**325. PROJECT:** **Teton Village Water Supply**

| | |
|---|---|
| SPONSOR: | Teton Village Water and Sewer District |
| LOCATION: | Teton County |
| PROGRAM: | New Development |
| APPROPRIATION: | $2,447,500 |
| ACTUAL EXPENDITURES: | $52,915.43 |
| DESCRIPTION: | Connect wells, flow metering, control building, emergency generator, chlorination |
| ENGINEER: | Nelson Engineering; Jackson, WY |
| CONTRACTOR: | G E Johnson Construction Company; Colorado Springs, Colorado |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**326. 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 |

**327. PROJECT:** **Thermopolis Storage Replacement and Rehabilitation**

| | |
|---|---|
| SPONSOR: | Town of Thermopolis |
| LOCATION: | Hot Springs County |
| PROGRAM: | Rehabilitation |
| APPROPRIATION: | $1,804,910.00 |
| ACTUAL EXPENDITURES: | $1,640,967.95 |
| DESCRIPTION: | Construction of transmission pipelines, booster pump station and a storage tank. |
| ENGINEER: | Engineering Associates, Thermopolis, WY |
| CONTRACTOR: | Wilson Brothers Construction, Cowley, WY |
| YEAR COMPLETED: | 2012 |
| SESSION LAW YEAR: | 2008 |

**328. 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 |
| ENGINEER: | Civil Engineering Professionals, Inc., Casper, Wyoming |
| CONTRACTOR: | Andreen Hunt Construction, Inc., Casper, Wyoming |
| YEAR COMPLETED: | 2003 |
| SESSION LAW YEAR: | 2000 |

**329. PROJECT:** **Torringon Raw Water**

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

**330. 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<br>Strong Construction, Inc., Torrington, Wyoming<br>Ed Hawley, LLC, Torrington, Wyoming<br>Timberline Electronic & Control Corp., Morrison, CO. |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 1998, 2008 |

**331. 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 |

**332. 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 |

**333. 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<br>Pope Construction; Casper, Wyoming |
| YEAR COMPLETED; | 1994 |
| SESSION LAW YEAR: | 1991 |

**334. 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 |

**335. 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 |

**336. 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<br>High Plains Engineering; Newcastle, Wyoming |
| CONTRACTOR: | Cyclone Drilling; Gillette, Wyoming<br>Sundance P&H; Sundance, Wyoming |
| DATE COMPLETED: | 1996 |
| SESSION LAW DATE: | 1991, 1992 |

**337. 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<br>Water System Management, Gillette, Wyoming |
| DATE COMPLETED: | 1998 |
| SESSION LAW DATE: | 1994 |

**338. 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 |

**339. 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 |

**340. PROJECT:** **Wamsutter Well**

| | |
|---|---|
| SPONSOR: | Town of Wamsutter |
| LOCATION: | Sweetwater County |
| PROGRAM: | New Development |
| APPROPRIATION: | $542,700 |
| ACTUAL EXPENDITURES: | $487,243 |
| DESCRIPTION: | Complete ESS well and transmission pipeline |
| ENGINEER: | PMPC; Saratoga, WY |
| CONTRACTOR: | Mechanical Systems Inc., Cheyenne, WY |
| YEAR COMPLETED: | 2011 |
| SESSION LAW YEAR: | 2009 |

**341. 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<br>Engineering Associates, Cody, Wyoming |
| CONTRACTOR: | Brandon Construction, Powell, Wyoming<br>Phase I and II<br>LAMAX Construction, Basin, Wyoming<br>Phases II, IV and V |
| YEAR COMPLETED: | 2008 |
| SESSION LAW YEAR: | 1999, 2001, 2003, 2004, and 2006 |

**342. 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 |

**343. 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 |

**344. 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 |

**345. 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<br>Sutron Corporation; Sterling, Virginia |
| DATE COMPLETED: | 2002 |
| SESSION LAW DATE: | 1997 |

**346. 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 |

**347. 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 |

**348. 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 |

**349. 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 |

**350. 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 |

**351. 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 |

**352. 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 |

**353. 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 |

**354. 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 |

**355. 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 |

**356. 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 |

**357. 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 |