

STATE OF NEVADA
CLEAN WATER STATE REVOLVING FUND
INTENDED USE PLAN
FOR
FY 2010

(July 1, 2009 - June 30, 2010)

April, 2010 Amendment

Prepared by:

The Department of Conservation and Natural Resources

Nevada Division of Environmental Protection

Bureau of Administrative Services

Clean Water State Revolving Loan Fund

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1.0 Introduction

The State of Nevada (State) hereby submits its Intended Use Plan (IUP) as part of its annual application for a Capitalization Grant under Title VI of the Water Quality Act of 1987.

This IUP serves as the planning document for managing the FY 2010 allocation of grant funds for the Clean Water State Revolving Fund (CWSRF).

The State of Nevada received one Capitalization Grant in 2010 in the amount of \$15,931,560 of which \$15,400,508 will be available for loans. Additional funds for loans will consist of principal and interest payments collected from existing loan recipients.

The FY 2010 project priority list includes approximately \$1,200,000,000 in proposed projects.

2.0 List of Projects

Table I lists the SRF projects which are eligible for funding in FY 2010.

Table I

Loan Recipient	Project Description	Estimated Loan Request
City of Henderson PN# NEV80003 CS32-0934	Sewer relocation out of Pitman Wash in Henderson	\$2,600,000
Town of Hawthorne PN# NEV20009 CS32-0938	Wastewater treatment pond construction & sewer collection system installation	\$1,000,000
Town of Alamo PN# NEV30019 CS32-0943	Wastewater treatment ponds upgrade	\$920,000
Clark County WRD PN# NEV40024 CS32-0921	Indian Springs wastewater treatment upgrade	\$8,900,000
Lyon County PN# NEV87022 CS32-0941	Lining of South Dayton treatment ponds	\$700,000
Elko Public Works PN# NEV20014 CS32-0917	Jackpot treatment pond relining	\$2,500,000
Town of Goldfield PN# NEV40030 CS32-0932	Relining of treatment ponds	\$380,000
Douglas County SID #1 PN# NEV80033 CS32-0958	Collection system intertie with STPUD system	\$450,000
City of Ely PN# NEV70015 CS32-0963	Secondary clarifier project effluent project effluent storage pond relining, & headworks upgrade	\$6,000,000

Loan Recipient	Project Description	Estimated Loan Request
Town of Gabbs PN# NEV70021 CS32-0939	Rehabilitation of collection system & pond relining	\$960,000
Clean Water Coalition No permit CS32-0967	Treated effluent to secondary treatment system & sludge digestion	\$770,000,000
Carson City PN# NEV2005489 CS32-0920	Upgrades to secondary treatment system & sludge digestion	\$14,800,000
City of West Wendover PN# NEV1009 CS32-0965	Headworks upgrades project	\$710,000
Lander County No permit CS32-0923	Relocation & construction of a new wastewater treatment pond	\$1,600,000
Canyon GID PN# NEV50028 CS32-0944	Sewer line extension reuse line extension	\$1,370,000
Incline Village PN# NEV30009 CS32-0956	New generators for lift stations 7, 8 & 9	\$425,000
Indian Hills GID PN# NEV80039 CS32-0927	Sludge dewatering centrifuge project	\$1,400,000
Town of McDermitt PN# NEV93005 CS32-0930	Treatment pond upgrades & relining	\$250,000
City of Reno PN# NEV20150 CS32-0945	Sewer interceptor replacement at North Virginia St. & McCarran	\$4,200,000
City of Henderson PN# NEV80003 CS32-0936	New sewer interceptor replacement between Lake Mead & Pabco Rd.	\$3,911,000
City of North Las Vegas No permit CS32-0966	Collection system construction for new water reclamation plant	\$10,000,000
Lyon County Utilities PN# NEV87022 CS32-0940	Rose Peak, Cardelli Rd. lift station replacement septic to sewer conversions	\$1,350,000
Minden-Gardnerville SD PN# NEV40027 CS32-0924	Collection system rehabilitation at various locations in Minden & Gardnerville	\$1,900,000
City of Reno PN# NEV20150 CS32-0946	Phase 1B sewer collection replacement project	\$5,870,000

Loan Recipient	Project Description	Estimated Loan Request
City of Reno PN# NEV20150 CS32-0950	2009 Sewer replacement project – SW	\$4,700,000
City of Reno PN# NEV20150 CS32-0949	2009 Sewer replacement project – NW/NE	\$7,400,000
City of Reno PN# NEV20150 CS32-0948	Lakeside Dr. & Manzanita sanitary project	\$3,800,000
City of Reno PN# NEV20150 CS32-0951	2009 Sewer replacement project – SE	\$7,000,000
City of Reno PN# NEV20150 CS32-0947	Phase 1A – 2009 Sewer rehabilitation project	\$12,850,000
Town of Goldfield PN# NEV40030 CS32-0931	Sewer system replacement project covering 6,000 ft	\$750,000
Town of Hawthorne PN# NEV20009 CS32-0968	Sewer system repair & replacement project	\$4,000,000
Storey County Public Works PN# NEV20451 CS32-0942	Major sewer system replacements	\$16,300,000
City of Henderson PN# NEV80003 CS32-0935	Sewer manhole enhancements	\$1,100,000
Incline Village GID PN# NEV30009 CS32-0959	Spooner pump station upgrades	\$350,000
Incline Village GID PN# NEV30009 CS32-0960	Sewer main relining and collection system rehabilitation	\$2,810,000
Town of Eureka PN# NEV00042 CS32-0962	Sewer interceptor replacement	\$655,000
Gardnerville Rancho GID No permit CS32-0961	Sewer line replacement	\$630,000
Douglas County SID #1 PN# NEV80033 CS32-0954	Rehabilitation of plant force main redundant line	\$1,430,000
Douglas County SID #1 PN# NEV80033 CS32-0955	Beach pump station upgrades	\$730,000

Loan Recipient	Project Description	Estimated Loan Request
Douglas County SID #1 PN# NEV80033 CS32-0957	Main pump station upgrades	\$960,000
City of Ely PN# NEV70015 CS32-0963	Sewer system replacement	\$5,300,000
City of Fallon PN# NEV20061 CS32-0926	Sewer system rehabilitation	\$3,400,000
Clark County WRD PN# NV0021261 CS32-0922	New collection system for Town of Overton and Logandale	\$27,100,000
Churchill County PN# NEV200651 CS32-0928	Sewer interceptor extension to the Oasis Mobile home park	\$1,620,000
Churchill County PN# NEV200651 CS32-0929	Sewer interceptor extension to Rice Rd	\$1,000,000
Minden-Gardnerville SD PN# NEV200651 CS32-0925	Grease handling process at the wastewater treatment plant	\$1,250,000
Town of Tonopah PN# NEV00026 CS32-0937	Relining and upgrading of the sludge drying beds	\$215,000
City of Reno PN# NEV20150 CS32-0918	Cogeneration from anaerobic digesters	\$10,000,000
City of Reno PN# NEV20150 CS32-0919	Replacement of electrical switchgear and transformers	\$1,700,000
City of Henderson PN# NEV80003 CS32-0933	Decommissioning of old waste water treatment lagoons	\$4,400,000
Town of Minden No permit CS32-0952	Stormwater improvements at Town Park	\$650,000
Town of Minden No permit CS32-0953	Stormwater improvements along County Rd	\$400,000
City of Henderson WRF PN# NEV8003 CS32-0969	Solar energy/hydroelectric replacement	\$23,200,000
City of Sparks PN# NEV0010150 CS32-0908	Spanish Springs interceptor, phase 4	\$4,500,000

Loan Recipient	Project Description	Estimated Loan Request
City of Sparks PN# NEV0020150 CS32-0909	Spanish Springs interceptor phase 3	\$8,750,000
Washoe County DWR PN# NEV40024 CS32-0701	Spanish Springs effluent recharge	\$2,850,000
Washoe County DWR PN# NEV40024 CS32-0102	Spanish Springs septic to sewer	\$31,900,000
Incline Village GID PN# NEV30009 CS32-0809	Replacement of treated effluent discharge pipeline (phased)	\$2,500,000
Douglas County SID # 1 PN#NEV80033 CS32-0712	Phase III – effluent storage tanks	\$5,900,000
Douglas County SID #1 PN# NEV80033 CS32-0907	Lining of treated effluent storage reservoir in Lake Tahoe Basin	\$5,700,000
Douglas County PN# NEV80033 CS32-0915	Expansion and upgrade of the North Valley wastewater treatment plant to 1 MGD	\$5,000,000
Town of Gerlach GID PN# NEV20010 CS32-0803	Wastewater treatment ponds relining	\$755,000
City of Reno PN# NEV2008500 CS32-0912	Expansion of reclaimed water distribution system in and around the Stead area	\$3,000,000
City of Reno PN# NEV20150 CS32-0913	Expansion of reclaimed water distribution system around the Reno area via integration with 2 regional	\$12,000,000
Washoe County DWR PN# NEV40024 CS32-0910	Expansion of the South Truckee Meadows Water Reclamation Facility to a 6 MGD	\$46,500,000
City of Mesquite PN# NEV40011 CS32-0911	City of Mesquite's wastewater treatment plant upgrade & expansion to a 5.2 MGD	\$22,500,000
City of Lovelock PN# NEV0020311 CS32-0916	Pump station, force main, & expansion at the wastewater treatment plant (3 rd SBR)	\$4,878,000
City of Reno PN# NEV0020150 CS32-0905	Phased replacement of several anaerobic digester covers at the Truckee Meadows Water Reclamation facility	\$7,500,000
City of Reno PN# NEV0020150 CS32-0901	Lining (CIPP) of 15,295 ft of sewer interceptor line near the airport	\$6,555,000

Loan Recipient	Project Description	Estimated Loan Request
City of Reno PN# NEV0020150 CS32-0902	N. Virginia St interceptor phase II – lift station Forcemain and gravity interceptor	\$9,292,000
City of Reno PN# NEV0020150 CS32-0904	El Rancho wastewater lift station replacement	\$11,500,000
Washoe County DWR PN# NEV40024 CS32-0111	Pleasant Valley interceptor	\$6,250,000
City of Reno PN# NEV0020150 CS32-0807	Extension of the Lawton Verdi sewer interceptor	\$4,025,000
Washoe County DWR PN# NEV40024 CS32-0411	Verdi septic to sewer	\$7,000,000
Washoe County DWR PN # NEV40024 CS32-0413	Huffaker Hills Reservoir relining	\$17,000,000
City of Reno PN# NEV2008500 CS32-0906	Pilot testing on advanced treatment on treated effluent for assessing EDC removals	\$400,000
City of Reno PN# NEV2008500 CS32-0914	Reclaimed water aquifer storage and recovery project	\$6,000,000

3.0 Long Term Goals

- 3.1 Maintain compliance by all publicly owned treatment works with water quality goals and protect the public health, by assisting in the completion of cost effective projects.
- 3.2 Provide the best available financial assistance to municipalities and interstate agencies through the management of the State Revolving Fund.
- 3.3 Ensure technical integrity of the State Revolving Fund program through adequate and effective planning, engineering reviews and compliance inspections.
- 3.4 Ensure proper accounting, audit and fiscal procedures.
- 3.5 Maintain an adequate data management system.
- 3.6 Administer the State Revolving Fund so that its revolving nature is assured in perpetuity.

In order to assist us in accomplishing these goals we have hired a financial consultant.

4.0 Short Term Goals

- 4.1 Issue loans in excess of \$20,000,000.
- 4.2 Give three loans to communities under 10,000 in population.
- 4.3 Provide loans to municipalities to assist them in providing adequate wastewater collection treatment and disposal facilities for their rapidly expanding population.
- 4.4 The NDEP will encourage municipalities to use loans and other financial assistance from the SRF to construct projects which will improve and protect the quality of the waters of the state, including projects for the control of non-point sources of pollution.
- 4.5 Use all federal funds remaining and issued to the CWSRF.
- 4.6 Give one non-point source project loan.
- 4.7 Use 20% of the Federal 2010 funds for Green infrastructure, water, or energy efficiency improvements or other environmentally innovative activities.
- 4.8 Use 30% of 49.93 of the CWSRF FY-10 for additional subsidies.

5.0 Information on Activities to be supported

- 5.1 Information pertinent to each SRF project is contained in Table I. As identified in the Capitalization Grant application, the State intends to use an amount equal to 4 percent of the Federal funds including the required State Match to manage the SRF program.

6.0 Criteria and Method for Distributing CWSRF Funds

- 6.1 The procedures for prioritizing projects for funding are included in Attachment C. State Priority System, Subsections IV and V.
- 6.2 The procedures for applying for a loan and loan procedures and conditions are described in the Regulations Governing the State Revolving Loan Program and in the individual loan agreements.
- 6.3 The EPA FY-10 CWSRF Guidance requires identifying a fundable list of projects. NDEP will base the fundable list on projects which are ready to proceed in construction.

7.0 Loan Fee

- 7.1 The CWSRF implemented a loan origination fee of 0.5% of the amount of all base loans. The fee will be applied on a case by case basis.

8.0 Assurances and Specific Proposals

- 8.1 The State shall provide the necessary assurances and certifications as part of the Operating Agreement as approved by EPA on October 26, 1989. This Agreement is the official operating agreement between the State of Nevada and the U.S. Environmental Protection Agency. NDEP will be reviewing and revising the Operating Agreement during FY08.

The State certifies that:

8.1.1 The State will enter into binding commitments equal to at least 120% of each quarterly grant payment within one year after receipt of the payment;

8.1.2 The State will expend all funds in the SRF in an expeditious and timely manner;

8.1.3 Funds will first be used to assure maintenance of progress toward compliance with enforceable deadlines, goals, and requirements of the Act, including the municipal compliance deadline.

8.1.4 The State agrees to comply with all applicable federal requirements.

8.2 In addition, the State certifies that it will conduct environmental reviews on wastewater facility projects in satisfying the NEPA-like requirements. The State's NEPA-like procedures are contained in the Regulations Governing the State Revolving Loan Program. (NAC 445A.685-800)

9.0 Transferring Funds between the CWSRF & the DWSRF

Nevada reserves the right to make a transfer of up to 33% of the CWSRF capitalization grant into the DWSRF or an equivalent amount from the DWSRF capitalization grant into the CWSRF. This would require public review and the approval of the Governor, State of Nevada. The decision to transfer funds will be based on funds available relative to projected demand in either DWSRF or CWSRF.

10.0 Annual Report

Section 606(d) of the Act, requires that beginning the first fiscal year after receiving payments under the SRF the State shall provide an Annual Report to the U.S. Environmental Protection Agency (EPA). The Annual Report shall be submitted to EPA according to the schedule specified in the operating agreement. This report shall identify loan recipients, loan amounts and terms, similar details on other forms of financial assistance provided from SRF, and other such information as agreed to by the State and EPA.

11.0 Public Review & Comment

A public hearing was held on May 27, 2009 at the Department of Conservation and Natural Resources in the Bryan Building. NDEP has revised the FY-10 IUP to include additional federal funds, green project reserve and additional subsidies. As needed NDEP will amend the IUP to address program needs, changes and public comments.

12.0 Forms of Financial Assistance

The following Sources & Uses includes the capitalization grant funds and matching funds available to fund these projects.

13.0 Sources & Uses

**Clean Water State Revolving Loan Fund
Sources and Uses of Funds
FY2010
July 1, 2009 - June 30, 2010**

Sources	Federal Share	State match Bonds	Fees	Reloan Funds	Total
Prior year's loan funds	9,041,693	1,808,339		35,642,818	46,492,849
Prior year's administrative funds	814,640	162,928	0		977,568
2010 Grant	13,276,300				13,276,300
2010 fees			195,700		195,700
2010 Bond Issues		2,655,260			2,655,260
2010 Treasurer's Interest				814,508	814,508
2010 Principal & Interest repayments				19,157,433	19,157,433

Total sources of funds	23,132,633	4,626,527	195,700	55,614,758	83,569,618
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Uses	Federal Share	State match Bonds	Fees	Reloan Funds	Total
Administrative expenses	531,052	106,210	195,700		832,962
Bond principal payments				5,995,000	5,995,000
Bond Interest payments				4,201,571	4,201,571
2010 Project funding:					
Loans expected to be made	6,870,033	1,374,007		41,030,960	49,275,000
Loan applications pending	0	0			0
Loan commitments pending	5,989,635.83	1,197,927			7,187,563
Uncommitted funds	9,741,912	1,948,382	0	4,387,227	16,077,521

Total uses of funds	23,132,633	4,626,527	195,700	55,614,758	83,569,618
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14.0 PROGRAM TO PROVIDE ASSISTANCE TO PROJECTS SYSTEMS SERVING DISADVANTAGED COMMUNITIES

The federal 2010 appropriation required that the state use at 30% of 49% of its federal FY-10 CWSRF funds to provide additional subsidization to eligible recipients in the form of forgiveness of principal, negative interest loans, or grants or any combination of these. Under the existing program the CWSRF has the authority to offer principal forgiveness and negative interest loans in an amount of up to 100% of the value of a loan to disadvantaged communities.

The Nevada Administrative Code defines a disadvantaged community as an area served by a

public water system in which the average income per household is less than 80 percent of the median household income of the state median household income. To meet federal 2010 appropriation requirement, additional subsidy will first be offered to communities that meet the definition of disadvantaged community.

15.0 The Nevada CWSRF program supports the National USEPA Strategic Plan Goal 2 (Clean and Safe Water), Objective 2.2 (Protect Water Quality), Sub-objective 2.2.1 (Improve Water Quality on a Watershed Basis). Specifically, the Nevada Division of Environmental Protection established and is managing the revolving loan fund to finance the cost of infrastructure improvements which will achieve or maintain compliance with the Clean Water Act requirements. Nevada CWSRF activities support USEPA Program Reporting Measure WQ-17 Fund Utilization.

All planned and prior year loans have assisted the loan recipients to meet federal and state Clean Water compliance requirements. Details of Nevada’s CWSRF activities supporting the National USEPA Strategic Plan will be included in the CWSRF Annual Report as well as in the Clean Water Benefit Reporting system (CBR) and the Clean Water National Information Management System (CWNIMS).

<u>Measure</u>	<u>Description</u>	<u>National Target</u>	<u>Nevada FY-09</u>	<u>Nevada FY-10</u>	<u>Nevada FY-11</u>
<u>QW-17</u>	Fund utilization rate (Cumulative loan agreement dollars to the cumulative funds available for projects) for the CWSRF.	<u>Target</u> 94%	<u>Actual</u> 88%	<u>Target</u> 95%	<u>Target</u> 95%

ATTACHMENTS

- A) FY-10 Fundable List
- B) Project Priority List & Environmental Statements
- C) State Priority System
- D) Public Hearing Notice
- E) Green Project Reserve

ATTACHMENT A
Fundable List

**CWSRF
Fundable List SFY10**

		Total	Fed	State	Reloan	
City of Sparks	CS32-0908	\$2,450,113.00	2,041,760.83	408,352.17		(fed/State)
City of Sparks	CS32-0909	\$4,737,450.00	3,947,875.00	789,575.00		(fed/State)
Loan commitments pending		7,187,563.00	5,989,635.83	1,197,927.17	0.00	
Mesquite		\$23,000,000.00	6,870,033.00	1,374,006.60	14,755,960.40	(fed/State) 100% Green Reuse Project
Incline Village GID	CS32-0809	\$2,500,000.00			2,500,000.00	(Reloan)
Lyon County Utilities	CS32-10-002	\$8,250,000.00			8,250,000.00	(Reloan)
City of Reno	CS32-0904	\$11,500,000.00			11,500,000.00	(Reloan)
City of Reno	CS32-0807	\$4,025,000.00			4,025,000.00	(Reloan)
Loans expected to be made		\$49,275,000.00	\$6,870,033.00	\$1,374,006.60	\$41,030,960.40	(Reloan)

ATTACHMENT B
PROJECT PRIORITY LIST
&
ENVIRONMENTAL STATEMENTS

2010 Priority List - (Financial Assistance Type - LOANS)						
Priority	Green %	Category	Applicant Name	Loan No.	Project Description	Requested Amt
1			City of Sparks	CS32-0908	Spanish Springs interceptor - Phase IV	\$ 4,500,000
2			City of Sparks	CS32-0909	Spanish Springs interceptor - Phase III	\$ 8,750,000
3	100	Water Conservation	Washoe County DWR	CS32-0701	Spanish Springs effluent recharge	\$ 2,850,000
4			Washoe County DWR	CS32-0102	Spanish Springs septic to sewer	\$ 31,900,000
5			Incline Village GID	CS32-0809	Replacement of treated effluent discharge pipeline (phased)	\$ 2,500,000
6			City of Henderson	CS32-0934	Sewer relocation out of Pittman Wash in Henderson	\$ 2,600,000
7			Douglas County SID # 1	CS32-0712	Phase III - effluent storage tanks	\$ 5,900,000
8	100	Water Conservation	Town of Alamo	CS32-0943	Wastewater Treatment Ponds Upgrade	\$ 920,000
9			Town of Hawthorne	CS32-0938	Wastewater Treatment Pond Construction & Sewer Collection System Installation	\$ 1,000,000
10			Douglas County SID # 1	CS32-0907	Lining of treated effluent storage reservoir in Lake Tahoe Basin	\$ 5,700,000
11			Lyon County	CS32-0941	Lining of South Dayton Treatment Ponds	\$ 700,000
12	100	Recharge	Clark County WRD	CS32-0921	Indian Springs Wastewater Treatment System Upgrades	\$ 8,900,000
13			Elko Public Works	CS32-0917	Jackpot Treatment Pond Relining	\$ 2,500,000
14			Town of Goldfield	CS32-0932	Relining of treatment ponds	\$ 380,000
15			Lyon County Utilities	CS32-10-002	Mound House Wastewater Treatment Plant	\$ 8,250,000
16			Douglas County	CS32-0915	Expansion & upgrade of the N. Valley wastewater treatment plant to 1 MGD	\$ 5,000,000
17			Town of Gerlach GID	CS32-0803	Wastewater treatment ponds relining	\$ 755,000
18			Douglas County SID #1	CS32-0958	Collection System Intertie with STPUD system	\$ 450,000
19			City of Ely	CS32-0963	Secondary clarifier project effluent storage pond relining, and headworks upgrade	\$ 6,000,000
20			Town of Gabbs	CS32-0939	Rehabilitation of collection system and pond relining	\$ 960,000
21			City of Reno	CS32-0912	Expansion of reclaimed water distribution system in and around the Stead area	\$ 3,000,000
22			City of Reno	CS32-0913	Expansion of reclaimed water distribution system in and around Reno area	\$ 12,000,000
23			City of West Wendover	CS32-0965	Headworks Upgrades Project	\$ 710,000
24			Clean Water Coalition	CS32-0967	Treated Effluent Export Line to Lake Mead	\$ 770,000,000
25			Carson City	CS32-0920	Upgrades to secondary treatment system and sludge digestion	\$ 14,800,000
26			Lander County	CS32-0923	Relocation and construction of a new wastewater treatment pond	\$ 1,600,000
27			Washoe County DWR	CS32-0910	Expansion of the So Truckee Meadows water reclamation facility to a 6 MGD	\$ 46,500,000
28			City of Mesquite	CS32-0911	Upgrade & expansion of the City of Mesquite's wastewater treatment plant	\$ 22,500,000
29			City of Lovelock	CS32-0916	Pump station force main and expansion at the wastewater treatment plant	\$ 4,878,000
30	100	Water Conservation	Canyon GID	CS32-0944	Sewer line extension, reuse line extension	\$ 1,370,000
31			Incline Village GID	CS32-0956	New generators for lift stations 7, 8 & 9	\$ 425,000
32			Indian Hills GID	CS32-0927	Sludge dewatering centrifuge project	\$ 1,400,000
33			Town of McDermitt	CS32-0930	Treatment pond upgrades and relining	\$ 280,000
34			City of Reno	CS32-0905	Phased replacement of several anaerobic digester covers at the TMWRF	\$ 7,500,000

35		City of Reno	CS32-0945	Sewer interceptor replacement at North Virginia St. and McCarran	\$ 4,200,000
36		City of Henderson	CS32-0936	New sewer interceptor replacement (Landwell) between Lake Mead and Pabco Rd	\$ 3,911,000
37		City of Henderson	CS32-0935	Pittman Wash Sewer Assessment Pilot Project to Valle Verde	\$ 1,100,000
38		City of North Las Vegas	CS32-0966	Collection system construction for new water reclamation plant	\$ 10,000,000
39		City of Reno	CS32-0901	Lining (CIPP) of 15,295 ft of sewer interceptor line near the airport	\$ 6,555,000
40		City of Reno	CS32-0902	No Virginia St interceptor phase II lift station forcemain & gravity interceptor	\$ 9,292,000
41		City of Reno	CS32-0904	El Rancho wastewater lift station replacement	\$ 11,500,000
42		Lyon County Utilities	CS32-0940	Rose Peak, Cardelli Rd. Lift station replacement septic to sewer conversions	\$ 1,350,000
43		Minden Gardnerville SD	CS32-0924	Collection system rehabilitation at various locations in Minden and Gardnerville	\$ 1,900,000
44		City of Reno	CS32-0946	Phase 1B sewer collection replacement project	\$ 5,870,000
45		City of Reno	CS32-0947	Phase 1A - 2009 Sewer rehabilitation project	\$ 12,850,000
46		City of Reno	CS32-0948	Lakeside Dr and Manzanita sanitary project	\$ 3,800,000
47		City of Reno	CS32-0949	2009 Sewer replacement project - NW/NE	\$ 7,400,000
48		City of Reno	CS32-0950	2009 Sewer replacement project - SW	\$ 4,700,000
49		City of Reno	CS32-0951	2009 Sewer replacement project - SE	\$ 7,000,000
50		Town of Goldfield	CS32-0931	Sewer system replacement project covering 6,000 ft	\$ 750,000
51		Town of Hawthorne	CS32-0968	Sewer system repair and replacement project	\$ 5,600,000
52		Storey Co. Public Works	CS32-0942	Major sewer system replacements	\$ 16,300,000
53		Incline Village GID	CS32-0959	Spooner pump station upgrades	\$ 350,000
54		Incline Village GID	CS32-0960	Sewer main relining and collection system rehab	\$ 2,810,000
55		Town of Eureka	CS32-0962	Sewer interceptor replacement	\$ 655,000
56		Gardnerville Rancho GID	CS32-0961	Sewer line replacement	\$ 630,000
57		Douglas County SID #1	CS32-0954	Rehabilitation of plant force main redundant line	\$ 1,430,000
58		Douglas County SID #1	CS32-0955	Beach pump station upgrades	\$ 730,000
59		Douglas County SID #1	CS32-0957	Main pump station upgrades	\$ 960,000
60		City of Fallon	CS32-0926	Sewer system rehabilitation	\$ 3,400,000
61		City of Ely	CS32-0963	Sewer System replacement	\$ 5,300,000
62		Washoe County DWR	CS32-0111	Pleasant Valley interceptor	\$ 6,250,000
63		City of Reno	CS32-0807	Extension of the Lawton Verdi sewer interceptor	\$ 4,025,000
64		Clark County WRD	CS32-0922	New collection system for Town of Overton and Logandale	\$ 27,100,000
65		Washoe County DWR	CS32-0411	Verdi septic to sewer	\$ 4,025,000
66		Churchill County	CS32-0928	Sewer interceptor extension to the Oasis Mobile Home Park	\$ 1,620,000
67		Churchill County	CS32-0929	Sewer interceptor extension to Rice Rd	\$ 1,000,000
68		Minden-Gardnerville SD	CS32-0925	Grease handling process at the wastewater treatment plant	\$ 1,250,000
69		Town of Tonopah	CS32-0937	Relining and upgrading of the sludge drying beds	\$ 215,000
70		Washoe County DWR	CS32-0413	Huffaker Hills reservoir lining	\$ 17,000,000
71		City of Reno	CS32-0906	Pilot testing on advanced treatment on treated effluent for assessing EDC removals	\$ 400,000
72		City of Reno	CS32-0914	Reclaimed water aquifer storage and recovery project	\$ 6,000,000

73	100	Energy Conservation	City of Reno	CS32-0918	Cogeneration from anaerobic digesters	\$ 10,000,000
74			City of Reno	CS32-0919	Replacement of electrical switchgear and transformers	\$ 1,700,000
75			City of Henderson	CS32-0933	Decommissioning of old waste water treatment lagoons	\$ 4,400,000
76			Town of Minden	CS32-0952	Stormwater improvements at Town Park	\$ 650,000
77			Town of Minden	CS32-0953	Stormwater improvements along County Rd	\$ 400,000
78	100	Energy Conservation	City of Henderson WRF	CS32-0969	Solar Energy/Hydroelectric energy project	\$ 23,200,000
79			City of Sparks	CS32-10-001	Sparks Industrial Stormwater Project	\$ 10,300,000
						\$ 1,237,356,000

**FY2010
Project Priority List
Environmental Benefits Statements**

CS32-0917

Jackpot: Upgrades to Wastewater Treatment Plant

There is a need to update the facility plan and completing upgrades to bring the facility into compliance with the Finding of Violation and Order issued by NDEP. NDEP has action pending due to high nitrate levels in the monitoring well located north of the plant. The impact to not complying with the NDEP is that additional housing would not be approved until conditions set forth by the state have been met.

CS32-0918

City of Reno: Co-Generation of System Upgrades

The project is an electrical cogeneration for the Truckee Meadows Water Reclamation Facility. TMWRF plans to design and install a system for cleaning/conditioning of the digester gas to be followed by two engines that will generate electricity and heat for use by the plant. This project would be a principal component of the effort to make TMWRF self-sufficient for electrical power.

CS32-0919

City of Reno: Replacement of Electrical Switchgear & Transformers

The electrical switchgear and transformers presently servicing the Truckee Meadows Wastewater Reclamation Facility (TMWRF) were installed during the initial construction of TMWRF in 1964. Exposure to environmental conditions at TMWRF and the progress of technology have given rise to a need to replace this equipment to improve reliability of operations.

CS32-0920

Carson City:

Upgrade the aeration basin. Installing two new secondary clarifiers; installing an additional sludge holding tank. Head works upgrades. The environmental benefit is that the Carson City will have a more reliable treatment plant that will consistently meet their permit limits.

CS32-0921

Clark County Water Reclamation District: Indian Springs Collection & Treatment System, CCWRD Project No. 561

This project will construct a 0.5 million gallon per day (MGD) activated sludge treatment plant, rehabilitate the existing Indian Springs lift station and construct two miles of new force mains, install a new lift station and force main on the Creech Air Force Base (CAFB) and build additional rapid infiltration basins. The environmental benefit of the project is that it will have a more reliable treatment plant that will consistently meet their permit limits.

CS32-0922

Clark County Water Reclamation District: Moapa Valley Wastewater Collection System, Project No. 560-A

The existing collection system, including three lift stations, were constructed in the late 1970s and serve less than half the town of Overton. This new collection system line will allow properties throughout Moapa Valley currently using septic tanks to connect to the public system. The benefit of this project is that it will improve reliability and treatment capacity of the wastewater treatment plant. Additionally, this project will include a new pump station which will meet current state standards.

CS32-0923

Lander County: Lander County Sewer Relocation Project

Relocation and lining of the sewage lagoon, more accurate flow monitoring to comply with the Department of Health and NDEP requirements.

CS32-0924

Douglas County: MGSD Sewer Collection Project Repairs & Rehabilitation

This project consists in repairing manholes, point deficiencies in sewer pipes, and rehabilitation of sewer lines. Sewer failure may result in sewer overflows which compromise public health. The benefit of this project is that the sewer treatment plant will be more efficient and reliable.

CS32-0925

Douglas County: MGSD Sewer Collection System Repairs & Rehabilitation

This project consists of a grease holding tank, a tank mixing system; grease feed system and cogeneration facilities. The proposed facilities permit discharging grease directly to the waste water treatment plant's digesters. The benefit of this project is that it will reduce the disposal of biosolids and increase digester gas production at the WWTP.

CS32-0926

City of Fallon: City of Fallon Sewer Improvements

The City of Fallon waste water sewer system is in need of numerous improvements. The city has many sewer pipes that are extremely old and prone to breakage, leakage and root infiltration. Many of the city's sewer manholes are deteriorated and need to be replaced. The city's nine sewage lift stations are in need of back-up generators and other improvements. The benefit of this project is to upgrade the city's current sewer system.

CS32-0927

Indian Hills GID: Sludge Dewatering

The Indian Hills General Improvement District is in need of a new sludge dewatering device (Centrifuge, filter breast). The environmental benefit is to close out the sludge drying ponds which are a potential source of ground water pollution.

CS32-0928

Churchill County: Oasis Sewer Connection

This project will eliminate existing environmental and health hazards. Oasis Mobile Home Park and homes north of TCID Irrigation canal are lower than the canal. During irrigation season from March to October water from the canal seeps laterally into yards and septic tanks, creating potential for water from septic tanks to flow to the drainage ditch and along drains beside roads. Houses in this area use individual shallow wells as a drinking water source and in flooded conditions, water would not meet sanitary requirements.

CS32-0929

Churchill County: New Sewer Main from Soda Lake to Rice Rd

Construction of new sewer main along Reno Hwy and connection to existing sewer at Rice Rd to eliminate environmental and health hazards in this area. High groundwater level during irrigation season, floods the existing septic tanks. Based on the record of Churchill County Building Department and the Nevada Department of Health connecting MH Parks to the existing sewage collection system will resolve this issue permanently.

CS32-0930

Humboldt County: McDermitt Sewer District Pond Re-lining Project

McDermitt Sewer District is in need of relining the main transmission lines. The baffle curtain also needs to be replaced in the main pond. Replacing the baffle curtain will replace the pond to function as designed and slow down the process of water moving across the pond to the over-flow into the secondary pond(s).

CS32-0931

Goldfield Utilities: Collection system replacement and rehabilitation

The Goldfield water and sewer systems are in need of repairs and upgrades in order to be in compliance and to avoid sanitary sewer overflows (SSOs)

CS32-0932

Goldfield Utilities: Relining of Treatment Ponds

Eliminate the leakage of wastewater to the ground; the environmental benefit is groundwater protection.

CS32-0933**City of Henderson Department of Utility Services: S-084 Plant 3 Lagoon Demolition**

This project involves the decommissioning of nine open wastewater treatment lagoons that occupy an area of approximately 44 acres. This project is necessary to satisfy requirements of the Nevada Division of Environmental Protection (NDEP) regarding wastewater treatment processes.

With the city's wastewater reclamation facility expansion now in operation, the existing lagoons are no longer needed and must be decommissioned in an environmentally acceptable manor.

CS32-0934**City of Henderson Department of Utility Services: S-222 Pittman Wash Sewer Relocation Valle Verde to Sandwedge**

This project will consist of relocating approximately 1650 linear feet of existing 21-inch sewer and constructing 2200 linear feet of maintenance access road for the sewer. Completion of this project will enhance reliability of service for many existing customers in the southwest part of Henderson.

CS32-0935**City of Henderson Department of Utility Services: S-221 Pittman Wash Sewer Assessment Pilot Project to Valle Verde**

This project is required to address NDEP requirements concerning the Pittman Wash, which is potentially vulnerable to erosion and weather. The sewer line is susceptible to floating during a flood event, which could cause a sewer break that would result in contamination of the wash, interruption of service to adjacent neighborhoods and to areas upstream of the main break. Completion of this project will enhance reliability of service for many existing customers in the southwest part of Henderson.

CS32-0936**City of Henderson Department of Utilities: S-071 Landwell 2200 Sewer Interceptor**

This project will include the construction of approximately 1700 linear feet of 42-inch sewer, 8300 linear feet of 36-inch sewer, and 3100 linear feet of 12-inch and 8-inch sewers. This project is required because the existing 21-inch sewer has deteriorated to the point that is no longer reliable and because the 21-inch sewer will have insufficient capacity to accommodate projected future flow rates.

CS32-0937**Nye County: Tonopah Airport Septage Drying Beds**

The town of Tonopah is in need of upgrades to the wastewater treatment facility that is located at the Tonopah airport. The benefit of the proposed project is an acceptable facility in compliance with state standards, which are set for the purpose of health and environmental protection to the residents of the area.

CS32-0938**Hawthorne Utilities: Sewer System Improvement Project**

This project includes improvements to the Hawthorne wastewater collection and treatment system as mandated by NDEP, Bureau of Water Pollution Control. The intent is to eliminate or reduce the infiltration of untreated wastewater from the collection system and treatment works into the ground water, as ground water nitrates are at action levels. Problematic sewer mains also have to be replaced. The environmental benefit of this project is to protect public health and to comply with NDEP regulations.

CS32-0939**Nye County: Town of Gabbs Sewer System Improvement Project**

This project includes improvements to the Gabbs wastewater collection and treatment system as mandated by NDEP; to reshape and reline the wastewater treatment ponds; and to repair the existing wastewater collection system. The benefit of this project is to eliminate and reduce the infiltration of untreated wastewater from the collection system and treatment works into the groundwater.

CS32-0940**Lyon County Utilities: Wastewater System Improvements**

Replacement of the Rose Peak Lift Station; construction of the new Cardelli Rd Lift Station; rehabilitation to existing manholes. The benefit of this project is the protection of groundwater and surface water resources.

CS32-0941**Lyon County Utilities: Wastewater System Improvements**

Lining of secondary ponds at the South Dayton Waste Water Treatment Plant. This is a compliance issue required by NDEP. Feasibility study for septic tank to sewer collection system conversion in the Mark Twain and Rose Peak areas of Dayton. The benefit of this project is the protection of groundwater and surface water resources.

CS32-0942**Storey County Commission: Virginia City Sewer System (VCSS)**

This project includes the replacement of the entire sewage disposal pipe infrastructure in Virginia City; removing the entire existing on-site sewage disposal system in Gold Hill and constructing a new system designed to and installed to replace the failing system; replacement and expansion of the Virginia City sewage treatment plant to allow the VCSS to meet NDEP discharge permit standards and provide reliable sanitary sewer services and decrease possibility of contamination to its users. Replacements and upgrades would reduce leaks and protect existing soil/groundwater around the pipes from contamination.

CS32-0943**Lincoln County: Alamo Wastewater Treatment Plant Facility**

The proposed project includes constructing a total of four treatment ponds and one winter storage pond. Improvements to the pond system will increase the treatment of the effluent and all discharge requirements will be met. The benefit of this project is to prevent degradation of the groundwater and to provide arsenic treatment.

CS32-0944**Canyon General Improvement District: Sewer System Improvement Project Ph. 2**

The intent of this project is to eliminate groundwater infiltration of treated and untreated wastewater as it is in close proximity of drinking water supply wells and to put sludge handling equipment in place that would lower the GID's operating costs. The environmental benefit of this project is to protect public health and to comply with NDEP regulations.

CS32-0945**City of Reno: North Virginia Interceptor Project – Phase 1B**

The project includes replacement of 6,250 linear feet of sanitary sewer interceptor down N. Virginia St. from McCarran Blvd. to 8th St. and east to Evans Ave. in Reno. Additionally, manholes, lateral connections and appurtenances will be replaced to provide a completely rehabilitated system. The benefit of this project will be to reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes, improve capacity, and reduce off-gassing in the sewer system.

CS32-0946**City of Reno: 2009 Sewer Rehabilitation Project – Phase 1B**

This project will replace 16,000 linear feet of small diameter sewer pipe in a residential neighborhood. Aging and damaged sewer pipe will be replaced with PVC sewer pipe in an older area of Reno. The existing pipe is aged concrete pipe that is in failed condition due to excessive root penetration and hydrogen sulfide corrosion. The benefit of this project will be that it will reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0947**City of Reno: 2009 Sewer Rehabilitation Project – Phase 1A**

This project will significantly reduce the risk of sanitary sewer overflows, prevent groundwater

infiltration and sewer loss through leaking joints and damaged pipes. Re-alignment of the pipes from backyard easements to the streets and alleys will allow our maintenance staff improved access for cleaning and repair.

CS32-0948

City of Reno: Lakeside Drive Sanitary Sewer Trunk Replacement

This project will replace 6,400 linear feet of sanitary sewer pipe in Lakeside Dr. and Manzanita Drive in Reno. The benefit of this project is that it will reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes and provide a system working within acceptable operating limits.

CS32-0949

City of Reno: 2009 Sanitary Sewer Replacement Project NW/NE

This project will replace 19,000 linear feet of small diameter sewer pipe in northwest and northeast Reno residential neighborhoods. The benefit of this project is that it will significantly reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0950

City of Reno: 2009 Sanitary Sewer Replacement Project SW

This project will replace 12,000 linear feet of small diameter sewer pipe in southwest Reno residential neighborhoods. The benefit of this project will be to reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0951

City of Reno: 2009 Sanitary Sewer Replacement Project SE

This project will replace 18,000 linear feet of small and medium diameter sewer pipe in southeast Reno residential neighborhoods. The benefit of this project will be that it will reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0952

Town of Minden: Jake's Meadow & Gateway

Part of this project includes improvements to the storm water from both highways to be collected and routed to existing and proposed drainage features in an effort to prevent run off from the highways, which generally has high amounts of solids and chemicals from directly infiltrating without some measure of treatment. The benefit of this project is that it would reduce the level of pollutants in the stormwater.

CS32-0953

Town of Minden: County Road Improvements

This project includes the installation of approximately 1000 feet of piping to enclose existing irrigation/storm drain conveyance ditches within the Town of Minden on County Road. The ditch is located within 1000 feet of three Town of Minden production wells. Piping the ditch will serve to further protect the Town's ground water sources from potential contamination.

CS32-0954

Douglas County SID #1: Rehabilitation of Force Main (MPS-Plant)

The purpose of this project is to rehabilitate the existing force main by installing a liner in that portion of the existing pipeline located in constrained areas and removing and replacing the remaining portion that when completed will provide the district and the area in general with true redundant facilities that could be used in the instance of a pipeline failure of either force main. The benefit of this project is sewer system rehabilitation.

CS32-0955

Douglas County SID #1: Beach Pump Station Rehabilitation

The purpose of this project is to upgrade the existing Beach Pump Station to improve the reliability and serviceability. The improvements would be replacing the outdated relay logic

controls and bubbler level sensing system with modern Tesco Liquid IV controls and ultrasonic level sensing, replacing the old generator and adding an automatic transfer switch. The benefit of this project is sewer system improvements and rehabilitation.

CS32-0956

Incline Village GID: Sewer Station 7, 8 & 10 Emergency Generator Replacement

The purpose for this project is to replace emergency generators at 3 sewer lift stations in Incline Village. All 3 stations have the potential to spill to Lake Tahoe in the event of a power outage making emergency power generation crucial. The benefit of this project is to increase sewer capacity and reliability to prevent the very sensitive Lake Tahoe environment.

CS32-0957

Douglas County SID #1: Main Pump Rehabilitation

This project proposes to upgrade the existing Main Pump Station (MPS) that services all of DCSID's influent flows. The proposed improvements include re-working and re-building each of the existing pumps by replacing the shafts, bowls, impellers volutes, mechanical bearings, seals and other appurtenances. The environmental benefit is to prevent or minimize the potential for sewage spills and the resultant threats to both water quality and public health.

CS32-0958

Douglas County SID #1: South Tahoe Public Utility District (STPUD) Inter-Tie

DCSID and STPUD are the two providers of sewage treatment and disposal for the south shore of Lake Tahoe serving areas within both Douglas County, Nevada and El Dorado County, California. The proposed inter-tie contemplates the construction of intercepting of manholes on existing sewer mains, construction of valve structures capable of diverting the flows and construction of a new sewer main within the existing right-of-way of Lake Parkway to STPUD's existing sewer collection system.

CS32-0959

Incline Village GID: Spooner Lift Station Upgrades

This project is to upgrade the IVGID Spooner Effluent Export Lift Station to increase the reliable pumping capacity of the station. The Spooner Pumping Station is a critical piece of the IVGID effluent export pipeline system. The pumping station provides the required head for secondary effluent to be pumped over the Spooner Summit and out of the Lake Tahoe Basin. This project will replace the two existing 200-hp and one existing 300-hp pumps with two 250-hp pumps and a second 350-hp and associated motor controls would be added.

CS32-0960

Incline Village General Improvement District: 2009 Sewer Main Lining

This project includes the replacement and rehabilitation of sewer mains and manholes. Repairing the sewer system is essential because the NDEP issues IVGID a discharge permit that gives NDEP the authority to issue fines in the event of a sewage overflow. By replacing faulty mains and manholes, we also reduce the potential for sewer overflows in storm events. The benefit of this project is preventing sewer overflows and threats to public health.

CS32-0961

Gardnerville Rancho GID: Sanitary Sewer Replacement

This project includes replacing the existing sewer collection line with new sewer line to alleviate the leaking and plugging problems. Approximately 5 of the existing manholes will need to be replaced. The benefit of this project will be that it will reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0962

Eureka County Board of Commissioners: Town of Eureka 2009 Water & Sewer Distribution System Replacement Project, within Hwy 50 Right-of-Way

In conjunction with the water project, replace sewer main lines, laterals, and related infrastructure within the right-of-way of US Hwy 50 in the Town of Eureka. Main line replacement is needed to meet current main line standards. Infrastructure is undersized, outdated materials, and very old.

The benefit of this project will be that it will reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0963

City of Ely: Sewer Improvements

This project consists of pipe replacements and sewer improvements. The benefit of this project will be that it will reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0964

City of Ely: Sewer Improvements

This project consists of pipe replacements and sewer improvements. The benefit of this project will be that it will reduce the risk of sanitary sewer overflows, prevent groundwater infiltration and sewer loss through leaking joints and damaged pipes.

CS32-0965

City of West Wendover: Water Reclamation Facility Upgrade

The water reclamation facility is required to improve effluent water quality and flow capacity. Phase 1 of this project includes a building expansion and the installation of two effluent mechanical screens, one screenings conveyor system and washpactor, four utility water pumps, two control panels for screening system and utility water pump system. Phase 2 consists of a major upgrade to incorporate a 2 MGD membrane bioreactor system.

CS32-0966

City of North Las Vegas: Water Reclamation Facility

The southeast sewer interceptor project consists of the design and construction of 2,640 lineal feet of 30 inch diameter pipeline; 660 lineal feet of 48 inch diameter pipeline; 2,640 lineal feet of 60 inch diameter pipeline; 14,520 lineal feet of 72 inch diameter pipeline and 1,320 lineal feet of 78 inch diameter pipeline.

CS32-0967

Clean Water Coalition: Systems Conveyance and Operations Program

The purpose of implementing the Clean Water Coalition's System Conveyance and Operations Program (SCOP) is to maintain water quality standards and NPS recreational and resource values by operating a conveyance system that will allow for flexible management of wastewater effluent flow from the Valley to Lake Mead while protecting and maximizing Nevada's return flow credits.

CS32-0969

City of Henderson: W-300/S-217 Renewable Energy Development

This project is required to implement a renewable energy application that may be applied to the city's water reclamation facility and other energy effectiveness programs. Opportunities exist for electricity production using solar and hydro-electric resources that could provide up to approximately 3-4 MW of power generation.

CS32-0908

City of Sparks Springs Interceptor, Phase 4

The City of Sparks plans on extending the new sewer interceptor from Sparks Blvd. into Spanish Springs. This project will convey wastewater collected from Sun Valley, Spanish Springs and eastern Sparks to the Truckee Meadows Water Reclamation Facility. This project will increase the reliability of the sewage collection system for this region and also allow for the abandonment of individual sewage disposal systems (ISDS) in the valley. The benefit of this project is to protect aquifer and public drinking water.

CS32-0909

City of Sparks: Spanish Springs Interceptor, Phase 3

The City of Sparks plans on extending the new sewer reliever/interceptor from Sparks into Spanish Springs. This project will convey wastewater collected from Sun Valley, Spanish Springs and

eastern Sparks to the Truckee Meadows Water Reclamation Facility. This project will increase the reliability of the sewage collection system for this region and also allow for the abandonment of individual sewage disposal systems (ISDS) in the valley. This project will also benefit to protect aquifer and public drinking water.

CS32-0701

Washoe County: Spanish Springs effluent recharge

This project is to install a sewer collection system in the Spanish Springs area to extend wastewater treatment to the unsewered region. Tertiary treated effluent from the jointly owned plant in Sparks will be pumped back to the area of reuse and infiltration via RIB's. This project will conserve water in the basin and reduce the level of pollution from on-site septic systems.

CS32-0102

Washoe County: Spanish Springs septic-to-sewer

This project is to help defray the large costs associated with paying connection fees to the proposed sewer. Benefit includes removal of septic tanks in the area and protection of the aquifer and public drinking water.

CS32-0809

Incline Village GID: Replacement of treated effluent discharge pipeline

The subject effluent pipeline traverses from Incline Village, Lake Tahoe down into the Carson Valley in Douglas County wetlands. It has been documented that the pipe is leaking in the Lake Tahoe Basin area and could cause contamination to a fragile environment. Replacement of the line will protect Lake Tahoe and public health. Lake Tahoe is both a drinking water source and highly sensitive lake environment. This project will cover the replacement of the effluent main from Sand Harbor to the IVGID export pump station and will serve to protect Lake Tahoe.

CS32-0712

Douglas County SID #1: Effluent Storage Tanks

Presently, secondary treated effluent is stored in an unlined reservoir within the Lake Tahoe Basin prior to pumping over the Carson Valley in Douglas County for agricultural irrigation. NDEP is concerned that excessive reservoir leakage has or may impact Lake Tahoe water quality. Therefore, Douglas County has been directed by NDEP to line the reservoir in accordance with the state standards for a storage pond. This project will complete the construction of the two effluent storage tanks that will allow the reservoir to be taken off-line with the purpose of protecting Lake Tahoe.

CS32-0803

Town of Gerlach GID – Treatment Pond Relining, Lift Station Upgrades

The town of Gerlach operates a small wastewater treatment system that serves 200 residents. The treatment system consists of a facultative pond system and small collection system. This project will enhance the operation of the ponds and install a suitable liner in the pond. The benefit to the environment is reduced infiltration of wastewater to the subsurface.

CS32-0912

City of Reno – North Valleys Reclaimed Water Distribution System

This project involves the expansion of the effluent distribution system in and around the Stead area owned by the City of Reno. Effluent will be provided by the advanced treatment plant located in Stead. The benefits for this will be increased water conservation as the treated effluent is used for irrigation.

<p>CS32-0913 City of Reno – Integrated Reclaimed Water Distribution System This project involves the expansion of the effluent distribution system in and around the City of Reno. Effluent will be provided by both the advanced treatment plant located in Stead and the Truckee Meadows Water Reclamation Facility. The benefits for this will be increased water conservation as the treated effluent is used for irrigation.</p>
<p>CS32-0910 Washoe County – Expansion of the South Truckee Meadows WRF The treatment capacity for the South Meadow Water Reclamation Facility is nearing its treatment capacity and is slated for expansion. This project will increase the treatment capacity from 4 MGD to 6 MGD by the addition of a third oxidation ditch. This will improve the reliability and redundancy for this project. The benefit of this project is that water quality is enhanced by the increased the water conservation by using the additional treated effluent for irrigation.</p>
<p>CS32-0911 City of Mesquite –Upgrade and expansion of wastewater treatment plant The treatment capacity for the City of Mesquite’s Wastewater Treatment Facility is nearing its treatment capacity and is slated for expansion. This project will increase the treatment capacity from 3.5 MGD to 5.2 MGD by the addition of a third oxidation ditch. This will improve the reliability and redundancy for this project. Water quality is enhanced by the increased water conservation by using the additional treated effluent for irrigation.</p>
<p>CS32-0916 City of Lovelock – Upgrades at the wastewater treatment plant and on the collection system This new project from the City of Lovelock in Pershing County will improve the reliability and treatment capacity of the wastewater treatment plant by improved headworks screening and biological treatment. Additionally, this project will include construction of a new pump station which will meet current state standards.</p>
<p>CS32-0905 City of Reno – Digester Cover repair program at Truckee Meadows Water Reclamation Facility There are several breaks and cracks in the covers for the anaerobic digester covers at the Truckee Meadows Water Reclamation Facility (TMWRF). This project will include the phased upgrade plan to repair each digester cover. The benefit will be increased reliability on sludge containment and processing.</p>
<p>CS32-0901 City of Reno – Sewer Rehabilitation Project, Phase II The City of Reno is continuing on its important collection system repair and upgrade projects. This phase will focus on lining over 15,000 lineal feet of large diameter interceptors with CIPP technology. The benefit of this project will be a curtailing of I/I in the collection system for this region of the City.</p>
<p>CS32-0902 City of Reno: North Virginia Street Interceptor, Phase II The City of Reno is continuing on its important collection system repair and upgrade projects. This phase will focus on replacing a deteriorating interceptor by diverting sewage flow in the area near Wells Avenue and Eighth Street by the addition of a lift station and force main. The benefit of this project will be a curtailing of I/I in the collection system for this region on the city.</p>
<p>CS32-0903</p>

City of Reno – Sewer Rehabilitation Project Phase I

The City of Reno is continuing on its important collection system repair and upgrade projects. This phase will focus on replacing 25,000 feet of small diameter gravity mains at various locations in the residential areas of Reno. The benefit of this project will be a curtailing of I/I in the collection system for this region of the City and reduce the potential a sanitary sewer overflow in the region.

CS32-0904

City of Reno – El Rancho Lift Station Project

The City of Reno is continuing on its important collection system repair and upgrade projects. This phase will focus on replacing an older wastewater lift station located in Southeast Reno. The benefit of this project will be a reduced potential for a sanitary sewer overflow in the region.

CS32-0111

Washoe County: Pleasant Valley Interceptor

Rapid growth in southern Washoe County where septic tanks have been used as a method of sewage disposal is a potential threat to the water supply. The Pleasant Valley Interceptor is a septic-to-sewer project that will allow conveyance of wastewater to a water reclamation facility which provides treated effluent for irrigation. The benefit of this project is aquifer protection.

CS32-0807

City of Reno: Sewer Interceptor Extension for Verdi to Stateline

This project will continue the extension of the new Verdi interceptor through the areas of Verdi that are presently served by individual sewage disposal systems. This will enhance groundwater quality in the basin by removing this pollution source.

CS32-0411

Washoe County: Verdi septic-to-sewer

Sewering of residences and businesses in the Verdi area will allow for elimination of this non-point source of pollution. Given the proximity of the Truckee River to this community, this project will protect both groundwater resources and the river water quality.

CS32- 0413

Washoe County: Huffaker Hills Reservoir relining

This storage reservoir contains treated effluent from the Washoe County South Truckee Meadows Facility. Engineering analysis of the reservoir has demonstrated excessive seepage from the earthen reservoir beyond what is allowed by NDEP.

To protect the regions groundwater quality and maximize the volume of treated effluent, the county will re-line the reservoir to prevent excess water loss through the ground under the reservoir.

CS32-0906

City of Reno: Pilot Test for Treatment of Endocrine Disruptors in Treated Effluent

This innovative project will cover the funding of pilot testing for four different treatment processes to see the affect on the reduction of EDC's in treated effluent. The four processes to be pilot-tested include UV, Ozonation, biological carbon filtration and micro-filtration. The potential environmental benefits for this low cost loan would be potential treatment schemes for reducing EDC's in wastewater.

CS32-0914

City of Reno: Pilot Test for Aquifer Storage and Recovery of Treated Effluent

This innovative project will cover the funding of pilot testing for discharge of treated effluent into the subsurface with the subsequent removal for beneficial uses. The potential environmental benefits of this project include conservation of water and reduction of point source discharge of treated effluent.

CS32-0908

City of Sparks: Stanford Way Stormdrain Improvements

This non-point source project involves the installation of 8,000 feet of storm drain piping and 840 feet of reinforced box culvert in the industrial regions of Sparks. This project will benefit the

region by preventing flooding in the area and the subsequent pollutants from flood events.

CS32-0907

Douglas County SID No. 1: Lining of Effluent Reservoir at Lake Tahoe

Presently, secondary treated effluent is stored in an unlined reservoir within the Lake Tahoe Basin prior to pumping over to Carson Valley in Douglas County for agricultural irrigation. NDEP is concerned that excessive reservoir leakage has or may impact Lake Tahoe water quality. Therefore, Douglas County has been directed by NDEP to line the reservoir in accordance with the state standards for a storage pond. This project will complete the construction of the two effluent storage tanks that will allow the reservoir to be taken off-line.

CS32-0915

Douglas County: Upgrade and Expansion of the North Valley WWTP

This project will encompass the upgrade and expansion of the existing North Valley WWTP located in Carson Valley. This facility serves the Douglas County residents and businesses located in and around the Johnson Lane area. The expansion will increase the capacity of the treatment plant from 0.45 MGD to 1 MGD. The benefits for this will be increased water conservation as the treated effluent is used for irrigation.

ATTACHMENT C
STATE PROJECT PRIORITY SYSTEM

NEVADA PRIORITY SYSTEM FOR
DISTRIBUTION OF STATE WATER POLLUTION CONTROL
REVOLVING LOAN FUNDS

SECTION I. GENERAL POLICY

State revolving loan funds for the construction of municipal wastewater treatment works and pollution control projects are made available to Nevada communities pursuant to the Federal Clean Water Act. These funds are not sufficient to satisfy all of the State's wastewater treatment needs. With this constraint, the limited funds must be used in a manner consistent with the water quality and public health goals of the State in order to ensure maximum public benefit. The priority system described herein reflects the policies of the Department of Conservation and Natural Resources, Division of Environmental Protection (DEP) regarding the utilization of the SRF, and is structured to support the following goals:

Elimination of surface and groundwater pollution within the State.

Protection of the health of the people of the State from the threat created by inadequate treatment, collection and improper disposal of municipal wastewater and wastewater from non-point sources.

Attainment of water quality standards adopted by the State Environmental Commission to protect designated beneficial uses.

Operation of the SRF program in such a manner so as to impose the minimal possible financial burden on municipalities and other entities eligible for loans from the SRF.

The primary purpose of the priority system is to describe how staff of the DEP will evaluate projects in Nevada in terms of the above goals. Projects are placed in a priority class and given a priority value, as is described in Section V. The product of this evaluation is a project priority list which will be formally adopted by DEP following a public hearing.

SECTION II. DEFINITIONS

As used in the Nevada Priority System:

- A. “Enforceable Requirements of the Act” means provisions of the Federal Clean Water Act which, if violated by a wastewater treatment facility, could result in an administrative or judicial enforcement action.
- B. “EPA” means the United States Environmental Protection Agency.
- C. “Fiscal Year” refers to the federal fiscal year, October 1 through September 30.
- D. “Pollution Control Project” means any eligible component of the management programs established pursuant to the Federal Act. The term “pollution control

project” is synonymous with the term “non-point source control project” as that term is used in the Federal Act.

- E. State Revolving Loan Fund (SRF) means a State fund established to provide loans and other forms of financial assistance to municipalities for the purpose of constructing wastewater treatment works.
- F. “Treatment Works” means a device or system for the conveyance, storage, treatment, recycling, reclamation or disposal of municipal sewage.
- G. “Water Quality Standard” means a standard established in regulation by the State of Nevada prescribing specific allowable limits of constituents in surface water.

SECTION III. SPECIFIC POLICIES

A. Adoption of Priority List and Public Participation

Each year the DEP will prepare a project priority list.

Prior to the beginning of each funding period, DEP will conduct a survey of proposed wastewater treatment works within the State. A form (Attachment #1) for each proposed project is completed by eligible loan applicants. The form provides a description, justification, estimated cost, and implementation schedule for the project. Utilizing this information and other data obtained from the discharge permit program, water quality management plans, municipal compliance plans, local district health officials and other sources, the proposed projects are classified and ranked to form the state project priority list.

The DEP will conduct a public hearing on the proposed priority list in order to solicit public comment and encourage public participation. No later than 15 days prior to the hearing, copies of the priority list and priority system will be distributed to all parties which have expressed an interest in receiving such information, and will also be made available at DEP’s office in Carson City. No later than 30 days prior to the public hearing, notice of the hearing shall be published in newspapers statewide.

The Administrator of DEP or his designee will act as hearing officer, and will consider all testimony presented at the public hearing or in writing prior to the public hearing. Based upon the testimony, the DEP may modify the proposed list prior to adoption. The adopted list and a public comment summary will be submitted to EPA, as an attachment to the annual Intended Use Plan.

B. Additions, Modification, Bypass and Removal

The DEP may adjust the priority list at its option (in accordance with NAC 445.42138).

Any change to the priority list that affects the funding or priority of any project on the priority list shall be made only after written notice has been given to all

affected parties, a public hearing if required has been held, and a period of 10 working days has elapsed after the date of such notice or hearing.

C. Reserves

- 1) An amount not to exceed 4 percent of the capitalization grant may be reserved to provide funds for the administration of the SRF program.
- 2) Not less than \$100,000 nor more than 1% of the State's annual allotment shall be reserved to develop and implement a non-point source management program. (in accordance with 33 U.S.C~1384(b))

Up to 20 percent of Nevada's annual allotment may be used for major sewer system rehabilitation and/or new collector sewers and appurtenances.

SECTION IV. PRIORITY CLASSES

The determination of project priority is a two-step process. Projects are grouped into broad classes in order to establish relative priorities under the provisions of the Clean Water Act. Projects in each class are then ranked in priority order in accordance with the ranking formulas described in Section V.

Class A

Treatment works or pollution control projects necessary to eliminate documented public health hazards in unsewered communities as evidenced by a finding of violation which has been issued in writing by the public health authority having jurisdiction over the area and by an official action which has been taken to halt or restrict construction of individual sewerage disposal systems, eliminate or restrict the discharge from a non-point source or treatment works necessary to eliminate documented public health hazards in sewered communities where existing facilities have exceeded their useful life and have deteriorated to the point that a public health hazards exists.

Class B

Treatment works or pollution control projects necessary to correct existing surface water quality standards violations. Violations must be documented by in stream water quality data and have resulted in a notification of water quality standards violations being issued by DEP to the municipal discharger or to the person(s) responsible for the non-point source discharge.

Class C

Treatment works necessary to correct violations of discharge permit limitations. Permit limit violations must be documented by discharge monitoring reports or DEP compliance monitoring, with a resultant notice of violation and administrative order issued by DEP.

Class D

Treatment works or pollution control projects necessary to eliminate and/or prevent interference with an existing beneficial use of groundwater where it has been determined that such and interference exists.

Class E

Treatment works necessary to increase capacity or reliability, or provide a degree of treatment beyond that required by water quality standards or permit requirements, in order to reclaim and reuse wastewater or to otherwise provide for treatment works or pollution control projects to sustain compliance with water quality standards or maintain beneficial uses.

Class F

Interceptors in sewered communities, pumping stations, infiltration inflow correction and sewer system rehabilitation.

Class G

Projects which provide wastewater treatment and collection in existing unsewered communities where no public health hazards or water standards violations have been demonstrated or to provide wastewater collection systems to unsewered portions of sewered communities.

Class H

All other treatment works or pollution control projects.

SECTION V.

Projects shall be ranked within the Priority Classes in accordance with the numerical score derived from the following formulas:

Classes A, F and G
 $PV = \log \text{ population served} + R$

Classes B and C
 $PV = VF + WQF + R$

Class D
 $PV = GW + R$

Class E
 $PV = D + C + E + R$

Class H
 $PV = R$

PV is the point value assigned to each project.

VF which applies only to Class B and C projects, is a violation factor based upon the highest existing beneficial use for which a stream is utilized. The numerical value for VF is determined from Table II>

WQF is a water quality factor, which applies only to Class B & C projects. The numerical value of WQF is based on the segment to which a treatment plant discharges or which is affected by the discharge from a non-point source and is determined from Table I.

GW is a groundwater factor and is determined in the following manner:

Treatment works or pollution control projects that are necessary to:

Eliminate an existing contamination of groundwater used for drinking water.	10 points
Eliminate an existing contamination of groundwater used for purposes other than drinking water.	5 points
Prevent potential contamination of groundwater used for drinking water.	3 points

R is a readiness factor. The numerical score for this factor is determined in the following manner.

Plans and Specification approved by NDEP (This includes everything needed to bid the project).	10 points
Facility Plan approved by NDEP final plans and specifications to be completed within six months.	7 points
Facility Plan approved by NDEP	5 points
A Revolving Loan Fund Project Priority List Information Form has been submitted	1 point

D is a factor related to the elimination of a direct discharge to surface waters or groundwater (irrigation with effluent, wetlands enhancement, other forms of reuse) – The numerical factor is 10 points.

C is a factor related to projects which increase treatment plant capacity. Point values are determined in the following manner:

Existing or Committed Flow 0 – 50% permitted capacity	0 points
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Existing or Committed Flow 50% – 85%
permitted capacity

5 points

Existing or Committed Flow over 85%
of permitted capacity

10 points

E is a factor related to projects that improve treatment efficiency, treatment plant reliability, or to provide a higher level of treatment than required by the discharge permit. The point value for E is 7 points.

In order for a project to receive a loan during a funding period, the project must be ready to receive a loan payment at the time of loan award.

TABLE I
WATER QUALITY STANDARD REVIEW
BY STREAM SEGMENT

I. Selected Waters with Numerical Standards

BASIN	SEGMENT	POINTS
Truckee River: Below Steamboat Creek	10	Truckee
Truckee River: Above Steamboat Creek	10	Truckee
Bronco Creek	10	Truckee
Gray Creek	10	Truckee
Lake Lahontan	10	Carson
Carson River	10	Carson
East Fork Carson River	10	Carson
West Fork Carson River	10	Carson
Lake Mead	10	Colorado
Las Vegas Wash	10	Colorado
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Humboldt River	8	Humboldt
Colorado River	8	Colorado
Virgin River	8	Colorado
Beaver Dam Wash	8	Colorado
Meadow Valley Wash	8	Colorado
Muddy River	8	Colorado
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Walker River	6	Walker
West Walker River	6	Walker
East Walker River	6	Walker
Topaz Lake	6	Walker
Desert Creek	6	Walker
Sweetwater Creek	6	Walker
Owyhee River	6	Snake
Salmon Falls Creek	6	Snake
Jarbidge River	6	Snake
Bruneau River	6	Snake
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Big Goose Creek	4	Snake
Shoshone Creek	4	Snake
Smoke Creek	4	N.W. Lahontan
Indian Creek	4	Central Nev.
Snake Creek	4	Great Salt L.
Chiatovich Creek	4	Central Nev.
Leidy Creek	4	Central Nev.
<hr/>		
II. Other Waters		
Class A Waters	2	
Class B Waters	2	
Class C Waters	2	

WQF POINTS

Drinking Water	20
Bathing and Water Contact	15
Aquatic Life	15
Boating and Aesthetics	10
Wildlife Propagation	10
Industrial Use	5
Agricultural Use	5

ATTACHMENT D

PUBLIC HEARING NOTICE

FOR THE
PROPOSED INTENDED USE PLAN FOR
THE CLEAN WATER STATE REVOLVING LOAN PROGRAM

The Department of Conservation and Natural Resources, Division of Environmental Protection, held a public hearing as indicated below:

The purpose of the hearing is to receive comments from all interested persons regarding the Proposed Intended Use Plan for FY 2010 State Revolving Loan Funds. The Intended Use Plan describes how the State Revolving Fund program will be managed during FY 2010 and how the FY 2009 funds will be utilized. The proposed Project Priority List is found in Attachment B to the plan and the proposed priority system is found in Attachment C.

Persons wishing to comment on this proposed action may appear at the above scheduled public hearing or may address their comments, data, views, or arguments in written form to the Department of Conservation and Natural Resources, Division of Environmental Protection, Bureau of Administrative Services, 901 S. Stewart St., STE 4001, Carson City, NV 89701. **Attention: Morris B. Kanowitz**

Copies of the Intended Use Plan are available for review at the office of the Nevada Division of Environmental Protection, 901 S. Stewart St., STE 4001, Carson City, NV during the working hours (8:00 am through 5:00 pm Monday through Friday), and at the Nevada Division of Environmental Protection's website: <http://ndep.nv.gov/bffwp/srlf01.htm>. This notice has also been posted at the following locations:

State Library & Archives, Carson City

The Richard H. Bryan Conservation Building

Reno Public Library, Downtown Reno

The Sawyer Building, Las Vegas

PUBLIC ATTENDEES:

There were no attendees from the public.

STAFF ATTENDEES:

Morris B. Kanowitz, Hearing Officer, Office of Financial Assistance

Joe Maez, NDEP, Water Pollution Control

Ana J. Jimenez, Management Analyst, Office of Financial Assistance

Morris Kanowitz:

Good afternoon! It's 1:30 PM and this is the time, date, and place for this hearing as publicly noticed. I'm Morris Kanowitz, CWSRF Program Manager for the Office of Financial Assistance, Nevada Division of Environmental Protection. I will be acting as Hearing Officer.

This hearing on the CWSRF draft, Intended Use Plan and Priority List is being heard in accordance with the authority granted to the Division by NRS Chapter 445 and the Administrative Procedures Act NRS 233B. This hearing was properly noticed in accordance with Nevada's open meeting law and Federal Regulations.

A notice was published in:

The Elko Daily Free Press, April 27, 2009

The Las Vegas Review Journal, April 27, 2009

The Nevada Appeal, April, 27, 2009

The Reno Gazette Journal, April 27, 2009

The Henderson Home News, April 27, 2009

This notice was also published at:

The Sawyer Building in Las Vegas

The State Reno Public Library Down Town

The Richard H. Bryan Building in Carson City

Copies of the notice and the Priority List were mailed to persons on our mailing list. The Intended Use Plan was posted on NDEP's Website for review and downloading. We did not receive any written comments during the public review period. Let the record show that there were no public attendees.

Responsiveness Summary

There were no questions from staff. The meeting was adjourned at 1:36pm.

**ATTACHMENT E
GREEN PROJECT RESERVE**

ATTACHMENT F

Green Project Reserve

The 2010 Federal Appropriation required that not less than 20% of the funds provided for projects must be used for water or energy efficiency, green infrastructure or other environmentally innovative activities to the extent there are sufficient eligible projects.

Water or energy efficiency projects will likely be the principal focus of the Green Project Reserve under the DWSRF. However, there may also be projects, or components of projects, that qualify for consideration because of green infrastructure or environmental innovation. Energy and water efficiency projects should demonstrate substantial benefits/savings compared to the average level of efficiency currently available for the project or component. In addition, water and energy efficiency benefits/savings must be a substantial part of the rational or justification for the project, and cannot simply be incidental water and/or energy efficiency benefits.

Energy Efficiency Examples

1. Energy efficient retrofits and upgrades to pumps and treatment processes
2. On site clean power production including wind, solar, hydroelectric, geothermal, biogas, etc.
3. Replacement or rehabilitation of transmission or distribution that results in substantial energy savings
4. Supervisory Control and Data Acquisition (SCADA) that results in substantial energy efficiency

Water Efficiency Examples

1. Installation of water meters and automated meter reading equipment. A project for the installation of water meters in a previously unmetered water system is categorically green with the caveat that the water system commits to bill a metered rate based on consumption.
2. Purchase of water efficient fixtures, fittings, equipment, or appliances
3. Purchase of leak detection devices and equipment
4. Replacement or rehabilitation of distribution lines
5. Water conservation plans or water audits if they are reasonably likely to result in a capital project