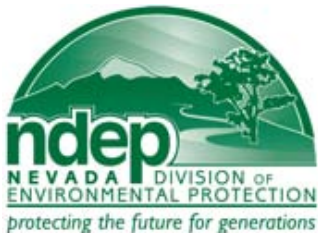


US EPA ARCHIVE DOCUMENT

State Revolving Fund

Energy Management Workshop October 5, 2010

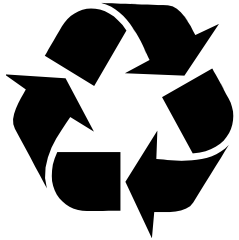


Adele Basham
Nevada Division of Environmental Protection

Goals and Objectives

- Eliminate surface and groundwater pollution
- Protect the public health
- Provide financial assistance to communities

State Revolving Loan Fund



- Drinking water & wastewater infrastructure
- Interest rate: 3.0% - 3.5%
- Loan term: 20 years
- Disadvantaged Program

Loan repayments provide funds for future loans!

State Revolving Loan Fund (SRF)

- Source of money is federal grant, state match, loan repayment money
- Nevada's SRF currently has made over \$340 million in wastewater loans and over \$160 million in drinking water loans

SRF money Available

- At least \$20 million a year CW,
\$15 million a year DW –
*depending on level of federal
appropriation*



Eligible Recipient

- Clean Water: publicly owned “treatment works”
- Drinking Water: public or privately owned “public water system”

“Treatment Works”

- Any device or system used in the storage, treatment, recycling or reclamation of municipal sewage
- Any works, including land, that is an integral part of the treatment and disposal process
- Any other method or system for preventing, abating, reducing, storing, treating, etc. municipal waste

Public Water System

- System regardless of ownership that provides water for human consumption to
 - ◆ 25 or more people
 - ◆ 15 or more connections

Clean Water Eligible Projects

- Wastewater Treatment Plant construction and repair
- Collection system construction and repair
- Sludge management
- Erosion control activities
- Stormwater control
- Nonpoint source projects

Wastewater treatment plant in Dayton



Stead Wastewater Treatment



Odor control design at Reno



Treated effluent storage tanks



Completion of the project allowed Douglas County to abandon the use of partially lined effluent storage reservoir

Drinking Water Eligible Projects

- Meet drinking water standards
- Facilitate compliance with health protection
- Replace aging infrastructure
- Consolidate water supplies



Kingsbury GID new concrete storage tank



Truckee Meadows Water Authority Blending Facility



City of Fallon Arsenic Treatment Plant



Eligible Costs

- Construction management
- Engineering and design
- Inspection
- Water project facilities
- Land and right-of-way
- Preparation of environmental documents
- Legal and financial services



Ineligible Costs



- Construction or rehabilitation of a dam or reservoir (drinking water)
- Purchase water rights (drinking water)
- Laboratory fees for monitoring
- Expenses for operation and maintenance
- Project needed primarily for fire protection (drinking water)
- Project intended to serve future growth (drinking water only)
- Refinancing private project (drinking water)

Priority List

- Developed Annually
- Pre-application required
- Ranked

Important to know

- Bonding process required for loans to public entities – plan on 6 months
- All steps to sell bond on open market are followed except bond is sold to the state at below market rate

Stimulus (ARRA) NDEP's Share

- \$19.50 M for Drinking Water SRF
- \$19.20 M for Clean Water SRF
- **NDEP received over \$1.0 billion in ARRA funding requests**

ARRA Project - Gabbs wastewater pond lining



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ARRA Project - McDermitt New Wastewater Pond



ARRA Project – Beatty Arsenic treatment



ARRA Project – Beatty Arsenic treatment



Green is here to stay (at least for now)

- Water efficiency
 - ◆ Water meters
 - ◆ Repair leaks
 - ◆ Recycling/Reuse
- Energy:
 - ◆ Renewable (wind, solar, hydro)
 - ◆ Reduction in energy consumption (20%)
- Stormwater harvesting and reuse

Minden Gardnerville Cogeneration



Truckee Meadows Water Authority Mogul Siphon





Desert Rose Golf Course using effluent for many years



Effluent Storage Reservoir at Lake Tahoe reuse water
piped to Carson Valley for agricultural irrigation



Carlin - Wheel Lines used for Spray Irrigation of Alfalfa



Mason Valley Wildlife Area - City of Yerington Effluent

The End

