### MEETING OF THE STATE BOARD FOR FINANCING WATER PROJECTS

#### **Summary Minutes**

Wednesday, February 1, 2017 2:00 PM 901 S. Stewart St., 4<sup>th</sup> Floor, Great Basin Conference Room Carson City, NV 89701

Members Present:

Staff Attending:

Bruce Scott, Chairman Steve Walker Mike Workman Katie Armstrong, DAG Daralyn Dobson My-Linh Nguyen Michelle Stamates Jason Cooper Misti Gower Kyle Casci

#### A. INTRODUCTION AND ROLL CALL (Non Action)

The meeting was started at 2:00 PM by Chairman Scott who invited Board members and others present to introduce themselves.

#### B. APPROVAL OF MINUTES - October 26, 2016 MEETING (For Possible Action)

**Motion:** Mr. Walker moved to accept the minutes as written. Mr. Workman seconded and the motion passed unanimously.

#### C. DRINKING WATER STATE REVOLVING FUND PROGRAM

### 1. Discussion and Possible Approval of Las Vegas Valley Water District DWSRF Loan (For Possible Action)

Ms. Dobson reviewed the available funding in the Drinking Water State Revolving Fund (DWSRF) Program. Currently there is \$46,600,000 in the fund and pending projects would require \$32,600,000, leaving \$14,000,000 unobligated.

Ms. Stamates presented, for possible board approval, a loan application from the Las Vegas Valley Water District. The Las Vegas Valley Water District (LVVWD or District) is a non-profit water supply agency that provides water to more than a million people in Southern Nevada and has been doing so since 1954. The District's mission is to provide world-class water service that is sustainable and cost effective. The LVVWD continually assesses the condition of its water production and distribution system infrastructure in order to forecast short- and long-term capital replacement needs. In August 2014, the LVVWD Board of Directors adopted the 2014 Resolution of Intent to Issue Bonds, which authorized the District to issue general obligation bonds in an amount not to exceed \$50 million for the purpose of financing water system improvement projects. In December 2014, the District entered into a DWSRF loan contract in the amount of \$20 million to support the Year One rehabilitation projects. Those projects included rehabilitation of the Fayle Reservoir, AC pipeline replacements, and service lateral replacements. In September 2016, the District entered into a second DWSRF loan in the amount of \$15 million to support the Year Two rehabilitation projects.

The projects in that plan included reservoir spray aeration additions, and vault, pipeline, and large meter replacements. Today, the District is requesting a third loan from the DWSRF for the Year Three plan in the amount of \$15 million to fund replacement of aging pipeline and appurtenant improvements necessary to maintain a safe and reliable water supply. The Division recommends that the Board approve a resolution committing an amount not to exceed \$15 million to the Las Vegas Valley Water District. The loan will be for a term not to exceed 20 years and at an annual interest rate of 62.5% of the appropriate Bond Buyer's Index. The Division and the Las Vegas Valley Water District will negotiate the terms and conditions of loan agreement.

**Motion:** Mr. Walker made a motion that the Board for Financing Water Projects approve a resolution for a loan in an amount not to exceed \$15 million to the Las Vegas Valley Water District. Mr. Workman seconded and the motion passed unanimously.

## D. CAPITAL IMPROVEMENTS GRANT PROGRAM, DRINKING WATER STATE REVOLVING FUND & CLEAN WATER STATE REVOLVING FUND- PROJECTS & FUNDING SINCE PROGRAM INCEPTION-(Non Action)

Ms. Dobson presented 3 sets of map graphs displaying break downs for funding of water projects Statewide. The first set showed the projects by County as of December 2016 for the Capital Improvements Grant Program. The second displayed the projects by County as of December 2016 for the Drinking Water State Revolving Fund. The third set showed the projects by County as of December 2016 for the Clean Water State Revolving Fund. The combination of the grant program and both revolving funds is close to \$1 billion in funding for projects.

#### E. BOARD COMMENTS - (Non Action)

Mr. Walker stated he appreciated that the graphs displayed how funding has been disbursed in projects statewide. And, that doing so should deflect comments by people stating all funding for projects goes to Clark and Washoe Counties.

#### F. PUBLIC COMMENTS - (Non Action)

Ms. Stamates advised that the next board meeting should be in early June to approve the 2018 Priority List, prior to the end of the State's fiscal year on June 30<sup>th</sup>.

#### F. ADJOURNMENT

There being no other business, the Board meeting adjourned at 2:33 PM.

#### **ATTACHMENTS**

ATTACHMENT 1: Las Vegas Valley Water District

ATTACHMENT 2: Capital Improvements Grant Program

ATTACHMENT 3: Drinking Water State Revolving Fund

ATTACHMENT 4: Clean Water State Revolving Fund

# ATTACHMENT 1 Las Vegas Valley Water District

#### Board for Financing Water Projects Summary Drinking Water State Revolving Fund February 2017

Applicant: Las Vegas Valley Water District
Project: System Rehabilitation/Replacement

DWSRF Loan Funds: \$15,000,000

#### **GENERAL**

The Division of Environmental Protection (Division) administers the Drinking Water State Revolving Fund (DWSRF) under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. Regulations adopted by the State Environmental Commission pursuant to NRS 445A.270 describe how the Division administers the DWSRF. One of the requirements of the NRS pertaining to the DWSRF is that the Division shall not "commit any money in the account for the revolving fund for expenditure...without obtaining the prior approval of the board for financing water projects" (NRS 445A.265, subsection 3).

#### **BACKGROUND**

The Las Vegas Valley Water District (LVVWD or District) is a not-for-profit water supply agency that has been providing water to the Las Vegas Valley since 1954. The district helped build the area's water delivery system and now provides water to more than a million people in Southern Nevada. The District is a member agency of the Southern Nevada Water Authority, a regional organization that provides wholesale water treatment and delivery for the greater Las Vegas Valley and is responsible for acquiring and managing long-term water resources for Southern Nevada.

The District's mission is to provide world-class water service in a sustainable, adaptive, and responsible manner through reliable and cost-effective systems. To ensure its water delivery system is efficiently operated and maintained, the District continually assesses the condition of its water production and distribution system infrastructure, forecasts short and long-term capital replacement needs, and implements programs to extend infrastructure life, improve operational efficiencies, and reduce costs. As a result, the District developed an Asset Management Plan (Plan) at an estimated cost of \$60 million.

In August 2014, the LVVWD Board of Directors adopted the 2014 Resolution of Intent to Issue Bonds, which authorized the District to issue general obligation bonds in an amount not to exceed \$50 million for the purpose of financing water system improvement projects. On December 1, 2014, the District entered into a DWSRF loan contract (DW1403) in the amount of \$20 million to support the Year One rehabilitation projects outlined in the Plan including: the Fayle Reservoir rehabilitation, AC Pipeline replacements, and service lateral replacements. On September 15, 2016, the District entered into its second DWSRF loan contract (DW1702) in the amount of \$15 million to support the Year Two rehabilitation projects outlined in the Plan including: reservoir spray aeration additions; and vault, pipeline, and large meter replacements.

LVVWD Page 1 of 6 February 2017

#### **PROJECTS**

The District is requesting a third loan from the DWSRF for Year Three of the Plan in the amount of \$15 million to primarily fund the replacement of aging pipeline and appurtenant improvements necessary to maintain a safe and reliable water supply for Southern Nevada. This loan amount would be secured by the same bonds authorized under the 2014 Resolution. Year Three of the Plan includes the following projects and estimated costs:

Project Name	Approx LF of Pipe	Diam (in)	_	ost er LF	Construction cost	Design	Overhead	Project Prioritization	Total Costs
Charleston Blvd 2300 Zone Discharge Pipeline Rehabilitation	3600	24	\$	350	\$ 1,260,000	\$ 140,000	\$ 100,800	Rehabilitation	\$1,500,800
The Dales Subdivision Pipeline Replacements	27400	8 to 12	\$	200	\$ 5,480,000	\$ 860,000	\$ 438,400	Rehabilitation	\$6,778,400
Elvis Presley Boulevard Pipeline Replacements	3000	12	\$	250	\$ 750,000	\$ 75,000	\$ 60,000	Rehabilitation	\$885,000
Paradise Road Pipeline Replacement	2400	16	\$	250	\$ 600,000	\$ 60,000	\$ 48,000	Rehabilitation	\$708,000
Large Meter Upgrades Including Vaults					\$ 3,500,000	\$ -	\$ 280,000	Rehabilitation	\$3,780,000
PLC Upgrade for the LVVWD Scada					\$ 750,000	\$ 200,000	\$ 50,000	Rehabilitation	\$1,000,000
Ronald Lane Pipeline Replacements	1300	8	\$	200	\$ 260,000	\$ 26,000	\$ 20,800	Rehabilitation	\$306,800
TOTAL COSTS					\$12,600,000	\$ 1,361,000	\$ 998,000		\$14,959,000

#### Water Conservation

The Southern Nevada Water Authority (SNWA) was formed in 1991 by a cooperative agreement among seven water and wastewater agencies in Southern Nevada: Big Bend Water District, City of Boulder City, City of Henderson, City of Las Vegas, City of North Las Vegas, Clark County Water Reclamation District, and Las Vegas Valley Water District.

In May 2014, the Water Conservation Plan was updated and adopted by the SNWA Board of Directors. The SNWA works collaboratively with its member agencies to develop and implement regulations that promote water conservation. The 2014-2018 Plan continues the conservation goal to reach 199 GPCD by 2035.

#### Customers, Population and Growth

The number of residential service connections is currently 216,015 and the commercial connections total 138,108. The estimated population served by the District is 1,306,410. The pipeline, meters, and SCADA that will be rehabilitated serve the existing population, and any future growth would require the addition of facilities.

#### **Environmental Review**

Nevada Administrative Code (NAC) 445A.6758 to 445A.67612, inclusive, outlines the environmental review procedures to be followed by the Division of Environmental Protection (NDEP) to meet the requirements of the National Environmental Policy Act for the Drinking Water State Revolving Fund.

The project involves repairs and rehabilitation of existing system assets within the Las Vegas Valley Water District. NDEP determined that the project is eligible for a categorical exclusion under NAC 445A.67583 (2) (a), rehabilitation of an existing facility, and may be exempted from further substantive environmental review requirements. The project is also eligible for a categorical exclusion under NAC 445A.67583 (2) (e) because there is sufficient evidence that a significant effect on the quality of the environment is unlikely.

#### **Permits**

No permits are anticipated for this project.

#### **FINANCIAL EVALUATION**

The LVVWD is a financially viable operation with the ability to meet costs of continuing operations and maintenance.

Specific financial information for the applicant is as follows:

- Current ratio shows LVVWD is able to meet their current obligations (1.31 times).
- Earnings before interest and depreciation is +\$71,609,850. Unrestricted cash as of June 30, 2016 for the district is \$66,260,363.
- The District has authority to issue general obligation bonds for water projects. The District does not have any statutory debt limit. Bond covenants require net pledged revenues to be at least one times the average annual debt and provide a debt service reserve equal to one year. A general obligation bond will be issued to guarantee this loan equal to the amount of the loan. The credit rating agencies view the district favorably with high credit ratings on their existing outstanding debt.
- The 2017 priority list used \$50,903 as the Las Vegas area Median Household Income (MHI). This is currently below the State's MHI of \$52,205 but not enough to qualify as disadvantaged.
- LVVWD has recently adjusted their rate structure to meet operating, maintenance, and debt service coverage. Rates are reviewed at least annually to ensure adequate cash to meet these requirements.

#### Technical, Managerial and Financial Capacity

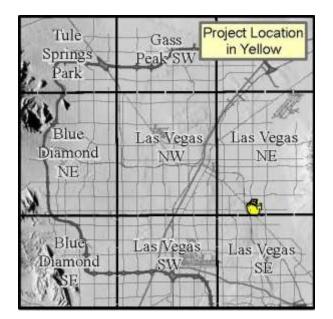
LVVWD is in compliance with the requirements of the Safe Drinking Water Act. LVVWD is one of the largest utilities in the state and employs highly qualified individuals and certified water operators. The District has sophisticated asset management and long-term capital improvement plans.

#### **DIVISION RECOMMENDATION**

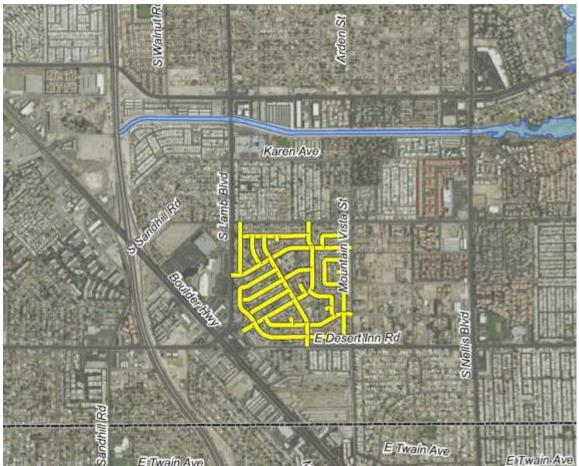
The Division recommends that the Board approve a resolution committing funds in an amount not to exceed \$15,000,000 to the Las Vegas Valley Water District. The loan will be for a term not to exceed 20 years and at an annual interest rate of 62.5% of the appropriate Bond Buyer's Index. The Division and the Las Vegas Valley Water District will negotiate the terms and conditions of a loan agreement. A resolution is included with this staff report.

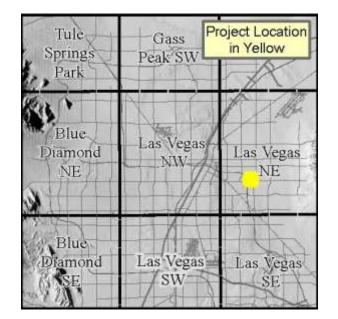
#### *The following motion is suggested:*

I make a motion that the Board for Financing Water Projects approve a resolution designated the "2-2017 Las Vegas Valley Water District Project Loan Commitment" for a loan commitment for the purpose of financing certain projects in an amount not to exceed \$15,000,000. The Division and the Las Vegas Valley Water District will negotiate the terms and conditions of a loan agreement.

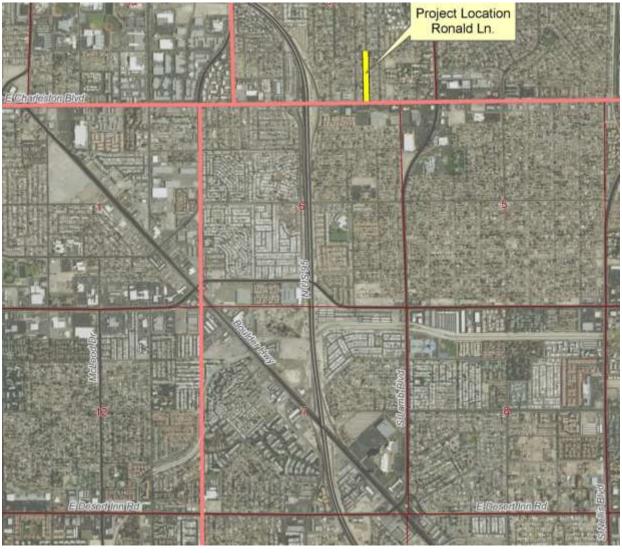


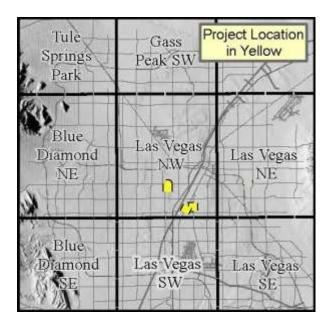
The Dales Subdivision – AC pipe to be replaced





Ronald Lane – AC pipe to be replaced





Charleston Blvd – pretensioned steel cylinder pipe to be replaced,

Elvis Presley Blvd – AC pipe to be replaced, &

Paradise Rd – AC pipe to be replaced



#### RESOLUTION

A RESOLUTION DESIGNATED THE "2-2017 LAS VEGAS VALLEY WATER DISTRICT PROJECT LOAN COMMITMENT RESOLUTION" TO APPROVE A LOAN COMMITMENT FOR THE PURPOSE OF FINANCING CERTAIN PROJECTS.

WHEREAS, the Board for Financing Water Projects (the "Board") of the State of Nevada (the "State") is authorized by Nevada Revised Statutes ("NRS") Chapter 445A.265 to approve the Division of Environmental Protection ("Division") prioritized lists of water projects and to approve the commitment of funds from the account for the revolving fund for loans to community water systems and non-transient water systems for costs of capital improvements required and made necessary pursuant to NRS 445A.800 to 445A.955, inclusive, by the Safe Drinking Water Act (42 U.S.C. §§ 300f *et seq.*) and by the regulations adopted pursuant thereto; and

**WHEREAS**, the Division has the responsibility of administering the Drinking Water State Revolving Fund program; and

WHEREAS, on October 26, 2016 the Board, pursuant to NRS 445A.265, approved the 2017 – Revision 1 Priority List of water projects eligible for loans from the account for the revolving fund under the Drinking Water State Revolving Fund; and

WHEREAS, the Las Vegas Valley Water District owns and operates a public water system in Las Vegas, Nevada; and

**WHEREAS**, the Las Vegas Valley Water District submitted a pre-application to the Division for funding a project to make improvements to the water system, which is hereinafter referred to as the "Project"; and

**WHEREAS**, the Project is included as Project #24 on the Year 2017 - Revision Priority List of water projects, which was approved by the Board on October 26, 2016; and

WHEREAS, the Las Vegas Valley Water District project is ready to proceed; and

**WHEREAS**, in connection with seeking a loan, the Las Vegas Valley Water District has submitted a written application ("Application") pursuant to NAC 445A.67613 to the Division; and

WHEREAS, the Division has reviewed the Application including supporting material thereof, and has determined that the Las Vegas Valley Water District has the technical, managerial, and financial capability to manage and repay a loan for the Project; and

WHEREAS, the Division has taken all necessary and proper actions with respect to the Application as required pursuant to the regulations adopted by the State Environmental Commission (NAC 445A.6751 to 445A.67644, inclusive) pertaining to loan applications; and

**WHEREAS**, the Board must give prior approval before the Division may commit any money in the account for the revolving fund for expenditure for the purposes set forth in NRS 445A.275;

## NOW, THEREFORE, BE IT RESOLVED, BY THE BOARD FOR FINANCING WATER PROJECTS OF THE STATE OF NEVADA:

- Section 1. This Resolution shall be known as the "2-2017 Las Vegas Valley Water District Project Loan Commitment Resolution."
- *Section 2.* The terms and conditions for providing a loan to the Las Vegas Valley Water District shall be negotiated between the Las Vegas Valley Water District and the Division.
- Section 3. Based on the review of the Application by the Division and based on the recommendation submitted by the Division to the Board concerning the Project, and subject to the provisions of Section 2 and 4 of this Resolution, the Board hereby approves a commitment of funds in the amount not to exceed \$15,000,000 from the account for the revolving fund in accordance with NRS 445A.265.

Section 4. The Board further recommends that the Division take all other necessary and appropriate actions to effectuate the provisions of this Resolution in accordance with NRS 445A.200 to 445A.295, inclusive, and the Regulations adopted pursuant thereto.

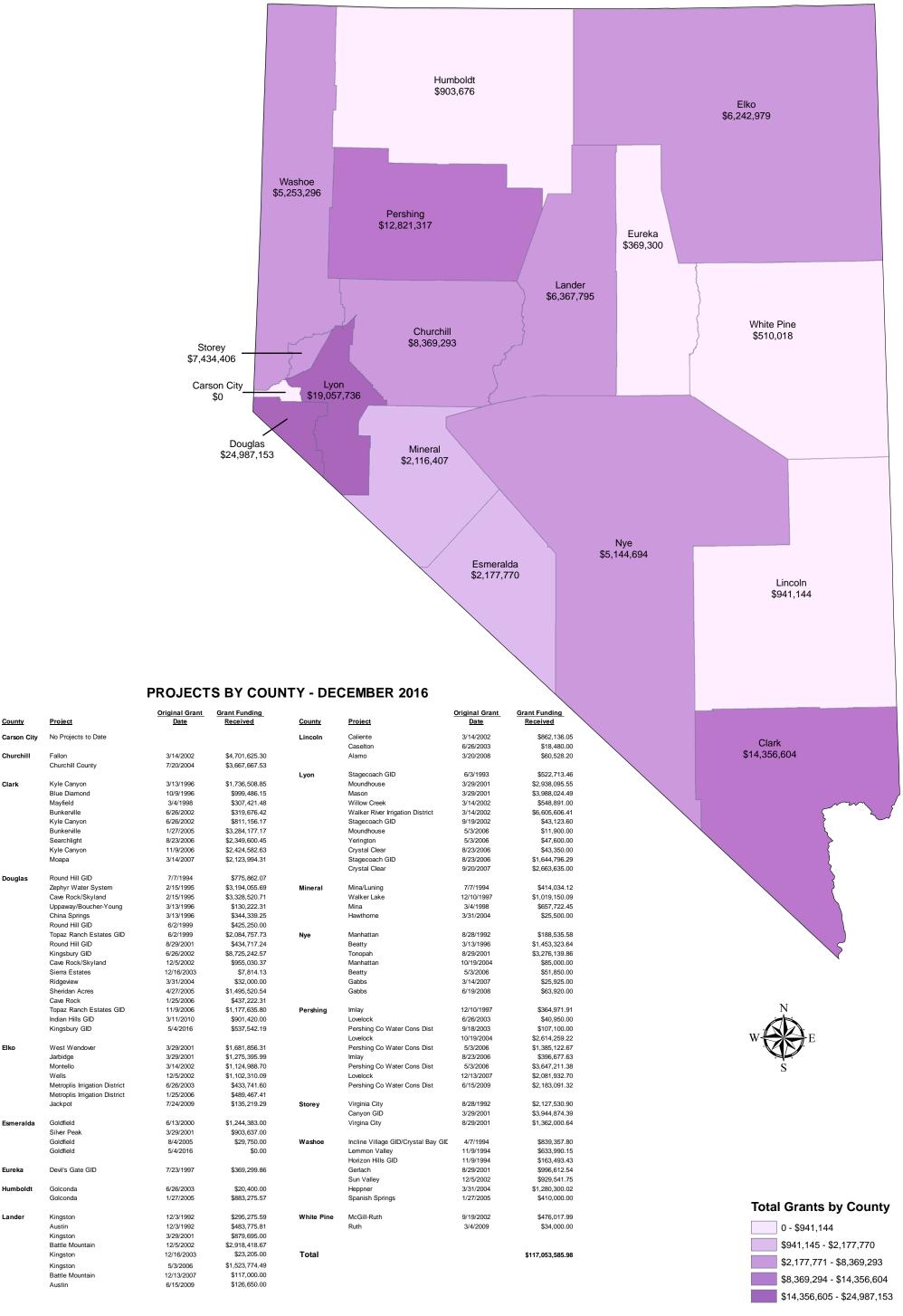
*Section 5.* This resolution shall be effective on its passage and approval.

#### PASSED, ADOPTED AND SIGNED FEBRUARY 1, 2017

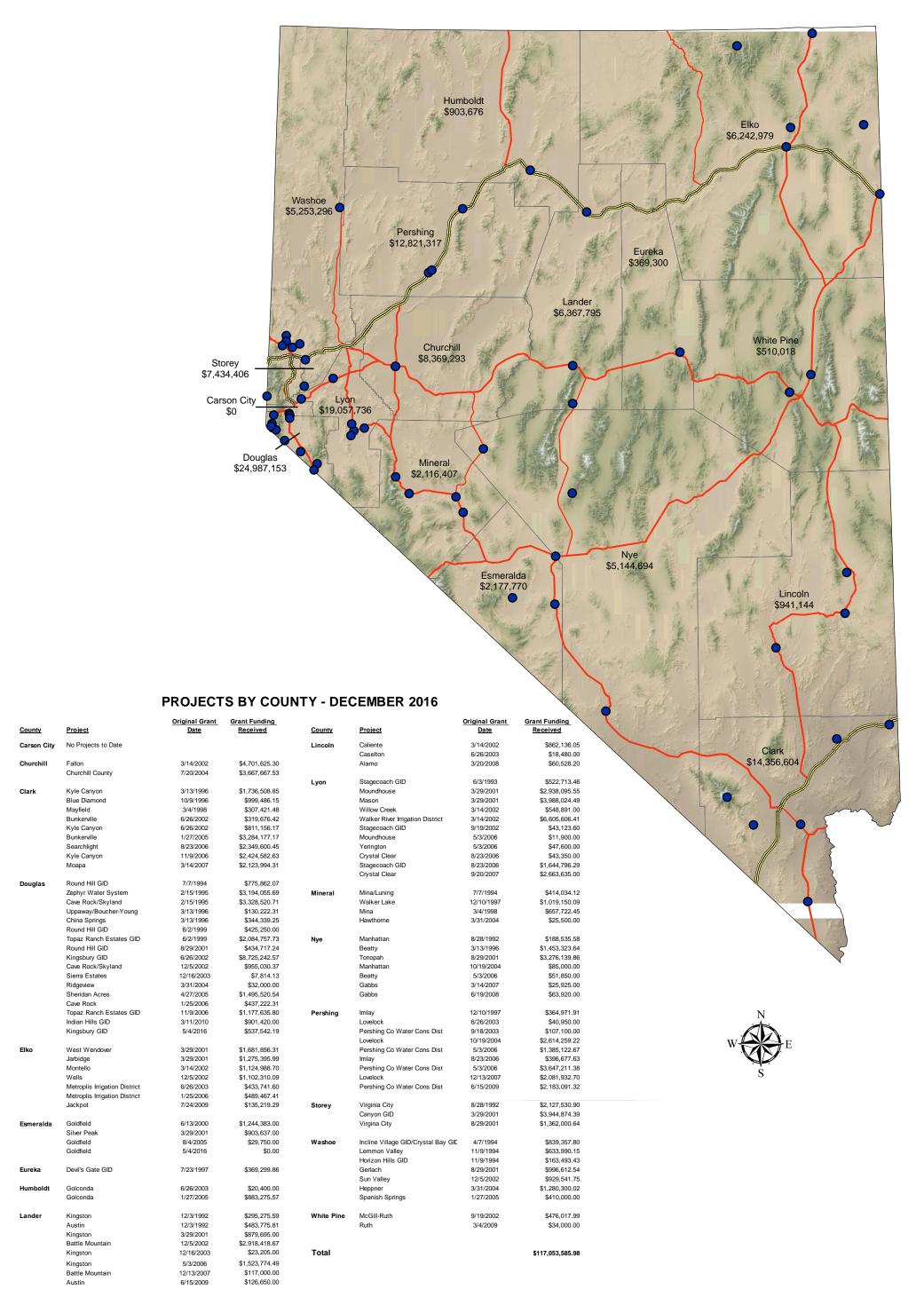
	Chairman Board for Financing Water Projects
	<i>3</i> · · · · · · · · · · · · · · · · · · ·
Attest:	
Advisor	-
Board for Financing Water Projects	

## ATTACHMENT 2

## **Capital Improvements Grant Program**



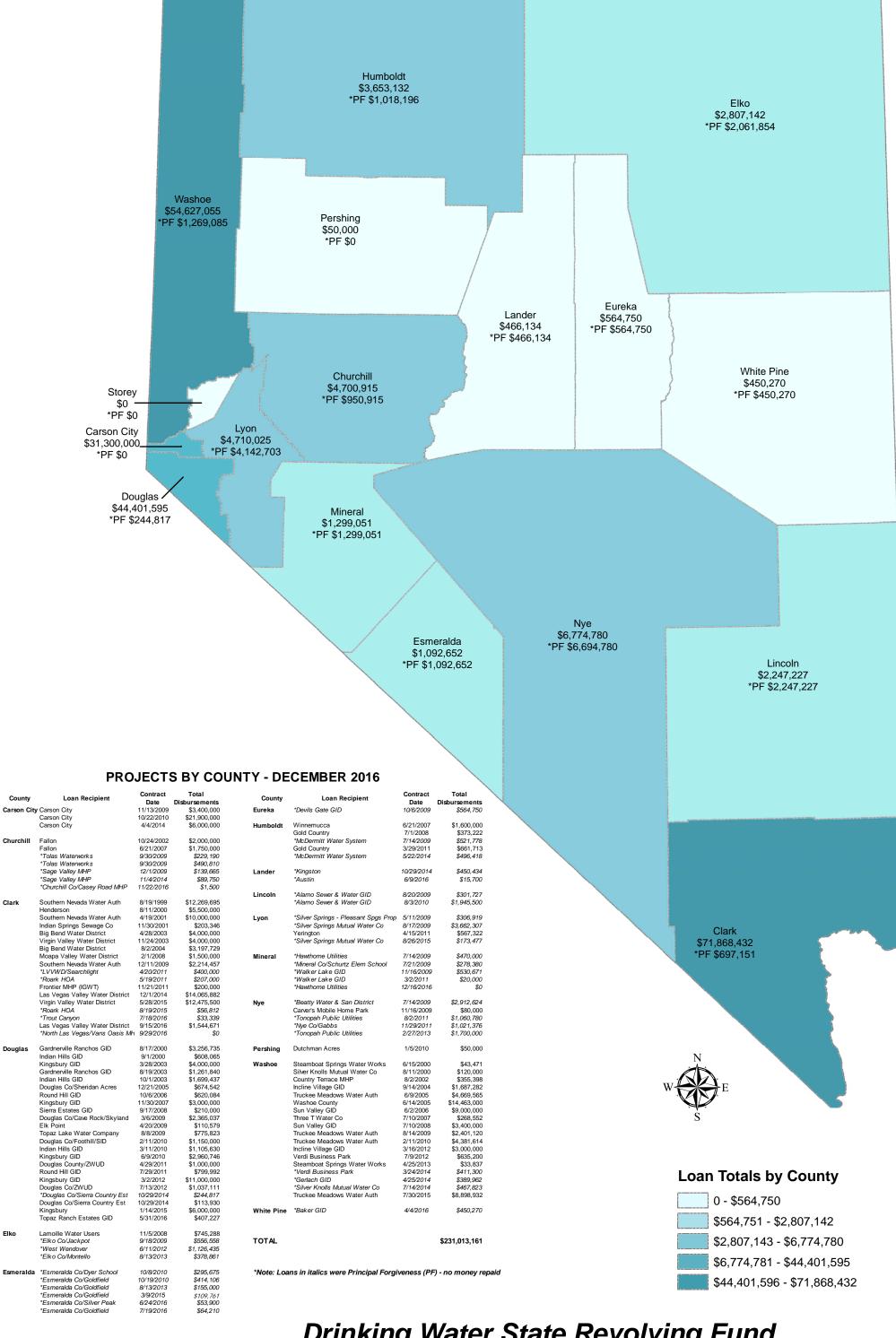




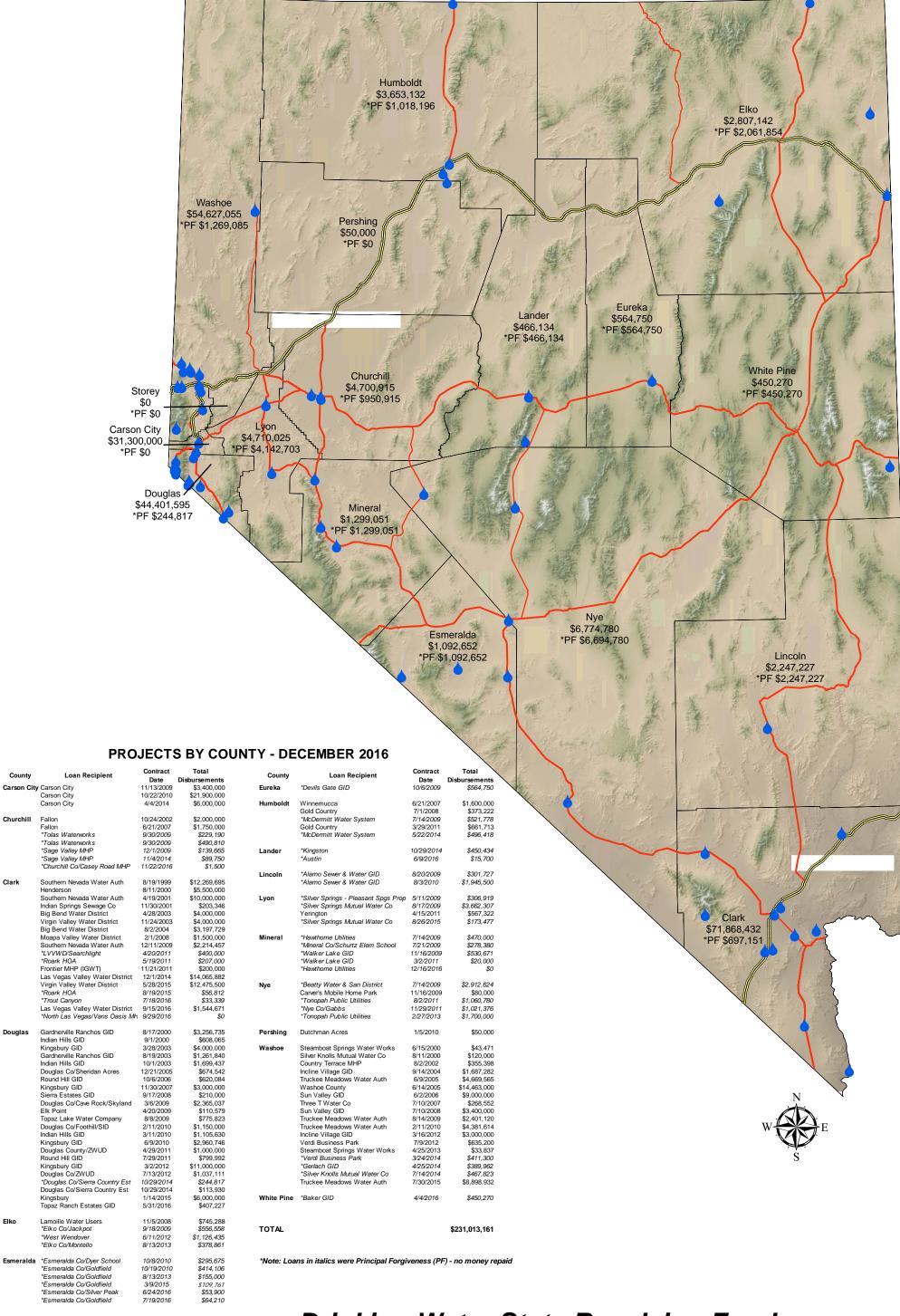


## ATTACHMENT 3

## **Drinking Water State Revolving Fund**









# ATTACHMENT 4 Clean Water State Revolving Fund

