



STAFF REPORT

TO: Chairman and Board Members

THRU: Lori Williams, General Manager

FROM: Ron Penrose P.E., TMWA Project Manager and River Fund Facilitator
Janet Carson, Chairman, Truckee River Fund Advisory Committee
Tom Swan, Co-Chairman, Truckee River Fund Advisory Committee
Sylvia Harrison, Legal Counsel

DATE: February 13, 2007

SUBJECT: Recommendations for Funding Projects from the Truckee River Fund and Request for Board Approval of Resolution 110 Authorizing Funding

Recommendation

The Truckee River Fund Advisors recommend that the TMWA Board authorize by resolution the funding of three projects/proposals as outlined in this report and forward those projects/proposals to the Community Foundation to be funded out of the Truckee River Fund.

Background

Since November, the Truckee River Fund Advisors have met on two occasions (January 18 and February 12). During these meetings, four proposals were reviewed with three recommended for approval. All three recommended proposals concern restoration work of the Truckee River or its tributaries upstream of either the Glendale Treatment Plant or the Chalk Bluff Plant.

PROJECTS RECOMMENDED FOR FUNDING

Project: *Restoration of Riparian Vegetation in a Channel at Sapphire Ridge in Chalk Creek Watershed*

Organization: *City of Reno Public Works*

Amount Requested: \$18,375 **Amount Recommended:** \$18,375

Organization Match: \$6,125 (in-kind labor and lab services from the Cities of Reno and Sparks)

Project Description: This project involves riparian re-vegetation of a portion of the Chalk Creek-called Rainbow Creek. Upper sections of this sub-watershed have been restored but the lower section remains problematic. This project includes identification of the problem with soil and water sampling with re-vegetation with riparian species selected for the site characteristics.

TMWA Benefit

Directly benefits water quality and the watershed of the Truckee River by reducing sediment and turbidity load to the river, thereby improving and maintaining water quality to the intakes of TMWA's water treatment facilities.

Project: *Chalk Creek Watershed Management for Water Quality to Minimize Non-Point Source Pollution from Reaching the Truckee River*

Organization: *City of Reno Public Works*

Amount Requested: \$250,000 **Amount Recommended:** \$250,000

Organizational Match: \$62,500 (Cash and In-Kind)

Project Description: The project involves the identification of pollution sources, evaluation of options and implementation of physical measures to reduce loading of non-point source pollution to the Truckee River from Chalk Creek and the Chalk Creek Watershed. Chalk Creek had been an ephemeral stream which has become perennial in the lower reaches due to urban growth in the watershed and increased storm-water and irrigation run-off.

TMWA Benefit

Directly benefits water quality and the watershed of the Truckee River, particularly influent water quality to the Chalk Bluff Plant.

Project: *Downtown Eco-Channel Construction*

Organization: *City of Reno Public Works/Sanitary Engineering*

Amount Requested: \$370,000 **Amount Recommended:** \$370,000

Organizational Match: \$565,000 (Cash-\$535,000; In-Kind-\$30,000)

Project Description: This project involves the design and construction of an eco-low flow meandering channel in the Truckee River from Sierra Street to Lake Street. When completed the project will provide the following benefits:

- Reduced water loss from evaporation and increasing depth of flow
- Reduced thermal gain in the river by increasing depth of flow
- Reduced algae growth by increasing depth of flow and flow velocity
- Increased nutrient processing
- Improve aquatic habitat by increasing hydraulic variability
- Increase and maintain flood stage capacity

TMWA Benefit

When completed, the project will provide direct benefits to influent water quality at the Glendale Treatment Plant through reduced organic and algae loading to the plant.

PROJECTS NOT RECOMMENDED

The Fund Advisors reviewed another proposal involving additional restoration in the Chalk Creek Watershed. The Fund Advisors voted to reject the proposal on the grounds that it did not provide enough impact and did not meet the Fund's objectives.

TRUCKEE MEADOWS WATER AUTHORITY
(TMWA)

RESOLUTION NO. 110

**A RESOLUTION APPROVING PROJECTS
FOR FUNDING UNDER THE TRUCKEE RIVER FUND**

WHEREAS, the Truckee Meadows Water Authority and the Community Foundation of Western Nevada (the "Community Foundation"), a Nevada non-profit corporation, have entered into an agreement creating The Truckee River Fund (the "Fund") to foster projects that protect and enhance water quality or water resources of the Truckee River, or its watershed;

WHEREAS, pursuant to the Fund Agreement, an Advisory Committee has solicited proposals from prospective beneficiaries of the Fund;

WHEREAS, the Advisory Committee has recommended certain projects for funding, as listed on Exhibit A, attached hereto;

WHEREAS, the Advisory Committee has the responsibility of securing preliminary approval for projects from the TMWA Board, which may disapprove projects for any reason, or may approve projects by resolution, subject to Community Foundation Board approval:

WHEREAS, the Community Foundation has advised the Advisory Committee that the project applicants are eligible beneficiaries of the Fund;

WHEREAS, the Board has reviewed the recommendation of the Advisory Committee and has found that the projects listed on Exhibit A are consistent with the purposes of the Fund and merit funding;

NOW THEREFORE, BE IT RESOLVED by the Board of Directors of the Truckee Meadows Water Authority:

The projects set forth on Exhibit A are approved for funding under the Truckee River Fund in the amount set forth in such Exhibit, subject to final authorization by the Community Foundation Board, and subject to the provisions of the Fund Agreement, including without limitation the requirements set forth in Article VC.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Truckee Meadows Water Authority,

Upon motion of _____, seconded by _____, the foregoing Resolution was passed and adopted on February 21, 2007 by the following vote of the Board:

Ayes: _____

Nays: _____

Abstain: _____ Absent: _____

Approved February 21, 2007

Chairman

STATE OF NEVADA,)
 : ss.
COUNTY OF WASHOE.)

On this 21st day of February, 2007, Mike Carrigan, Chairman of the Board of Truckee Meadows Water Authority, personally appeared before me, a Notary Public in and for said County and State, and acknowledged that he executed the above instrument freely and voluntarily and for the purposes therein mentioned.

Notary Public

EXHIBIT A

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