



TO: Chairman and Board Members
THRU: Mark Foree, General Manager
FROM: John Enloe, TMWA Operational Strategies Manager
Janet Phillips, Chairman, Truckee River Fund Advisory Committee
Sylvia Harrison, Legal Counsel
DATE: October 5, 2015
SUBJECT: **Presentation of proposed Truckee River Fund projects and discussion and action on Resolution No. 233: A Resolution to approve funding for the projects recommended by the Truckee River Fund Advisory Committee and an authorization for the Community Foundation to fund such projects from Fund proceeds**

Recommendation

The TRF Advisors recommend that the TMWA Board authorize by resolution the funding of the following projects to be funded out of the Truckee River Fund. This recommendation stems from a Fund advisors' meeting held on August 21, 2015 where multiple grant proposals from the Summer RFP process were reviewed and discussed. Seven projects are recommended for funding totaling \$398,659, out of nine project funding requests for \$835,997.

PROJECTS RECOMMENDED FOR FUNDING

Project: Watershed Education Initiative (WEI)

Organization: Sierra Nevada Journeys

Amount Requested: \$ 28,484

Amount Recommended: \$ 28,484

Organizational Match: \$ 6,250 (Cash) \$ 7,200 (In-Kind)

Project Description

WEI connects students with their local watershed, providing a sense of ownership and stewardship for the health of the Truckee River. Conducted over a four week period, WEI includes three in-class lessons, one field-study experience, pre- and post-assessments, classroom extension lessons for teachers, family and community engagement, and citizen science. Curriculum developed and delivered by SNJ's team of credentialed teachers aligns to state and

national standards and the North American Association for Environmental Education's Guidelines for Excellence.

TMWA Benefit

This program instructs students on their impacts on the local watershed and teaches them to become better stewards of the Truckee River. It also increases public awareness of the critical water quality issues affecting water resources, the importance of protecting our water resources, and those programs in-place to protect our critical water resources.

Project: Johnson Canyon Westside Restoration

Organization: Truckee River Watershed Council (TRWC)

Amount Requested: \$ 92,000 **Amount Recommended:** \$ 25,000

Organizational Match: \$ 79,000 (Cash) \$ 6,000 (In-Kind)

Project Description:

The watershed assessment describes the geomorphic and hydrologic processes in the watershed and how human actions have interrupted these functions. From that scientific and technical basis, the assessment identified areas of erosion and impacted function within the watershed. Preliminary restoration actions and project concepts were derived from the assessment, including benefits and gains, impacts to the drainage network, sediment production, relative cost, and project sequencing. In 2014, 7 of 10 clustered projects in the eastern portion of the watershed were completed, resulting in improved water quality, wildlife habitat and recreation in both Johnson Canyon and Donner Lake. TRF Advisors recommend funding the Fact-Checking Assessment, Design, Permitting and Pre-Project Monitoring activities at this time.

TMWA Benefit:

This project provides a direct water quality benefit to TMWA by addressing erosion issues and improved riparian and instream habitat.

Project: Rosewood and Third Creeks Invasive Weed Removal

Organization: Nevada Tahoe Conservation District

Amount Requested: \$ 7,350 **Amount Recommended:** \$ 7,350

Organizational Match: \$ 9,850 (Cash) \$ 2,500 (In-Kind)

Project Description:

This project intends to work with multiple agencies to improve the riparian habitat along Rosewood and Third Creeks on Incline Village General Improvement District (IVGID) property. The project will improve riparian habitat by removing invasive weeds encroaching on the creeks, provide invasive weed training and help develop a sustainable program for the Incline Village Parks and Recreation Department, and provide educational material to the public on invasive weeds. Tahoe has been able to keep weed infestations manageable by early detection and rapid response techniques, however, funding for continued response is often lacking as well as staff training. By treating this area now and training parks staff, these infestations can be managed before they take over.

TMWA Benefit:

This project will manage and control populations of spotted knapweed, bull thistle and common teasel to prevent further spread in the Lake Tahoe Basin, thereby protecting the water quality of the creeks, Lake Tahoe and the upper limits of the Truckee River watershed.

Project: Truckee River Watershed AIS Prevention and Control

Organization: Tahoe Resource Conservation District

Amount Requested: \$ 132,338

Amount Recommended: \$ 112,000

Organizational Match: \$ 50,000 (Cash)

Project Description

Aquatic Invasive Species (AIS) Prevention –

The Truckee River Fund funding has been instrumental in achieving enormous progress toward regional AIS prevention in the Truckee River watershed. While a number of milestones have been reached, continued collaboration and implementation is still needed to achieve a sustainable and functional regional prevention program. A synchronized and coordinated administrative structure for regional AIS prevention requires an organized effort and will streamline implementation, create program efficiencies and enhance boater convenience. The project funds prevention (boat inspections) and AIS control (primarily Eurasian watermilfoil removal between Lake Tahoe and River Ranch).

TMWA Benefit

This project improves water quality through aquatic invasive plant removal along the Truckee River and is part of a control strategy which TMWA supports.

Project: Cemetery Drain Water Quality, Erosion Control and Drainage Project

Organization: City of Reno

Amount Requested: \$ 77,500

Amount Recommended: \$ 77,500

Organizational Match: \$ 37,971 (Cash) \$ 15,000 (In-Kind)

Project Description:

This project will address and eliminate the routine discharge of significant sediment to the Truckee River that occurs during localized thunderstorms. Construction of bank stabilization, grade control structures and a large sediment trap will significantly reduce sediment and debris carried by storm water runoff.

TMWA Benefit:

Sediment and debris flows during storm events negatively impacts the stability of river banks and water treatment plant efficiency. This project, which TMWA supports, will reduce bank erosion and reduce the amount of sediment and debris trapped in screening facilities and pre-settling basins.

Project: Truckee River Cleanup/Invasive Weeds 2016

Organization: Keep Truckee Meadows Beautiful

Amount Requested: \$ 48,325

Amount Recommended: \$ 48,325

Organizational Match: \$ 40,500 (Cash) \$ 68,500 (In-Kind)

Project Description:

KTMB's Fall Truckee River Clean-up Day serves as a tribute to John Champion and his love of the Truckee River. Champions of the Truckee and Truckee River Yacht Club volunteers organized this event until 2004 when KTMB became involved to provide staff support. Sites are identified by park staff and project partners as areas in need of litter pickup and trash removal, tree wrapping, weed pulling, mulch spreading (to prevent soil erosion), graffiti removal and storm drain stenciling.

TMWA Benefit:

TMWA receives a direct water quality benefit from this program, especially in regards to raw water quality entering the Glendale Water Treatment Facility.

Project: Virginia Lake Water Quality Improvements

Organization: City of Reno

Amount Requested: \$ 200,000

Amount Recommended: \$ 100,000

Organizational Match: \$ 150,000 (Cash) \$ 47,420 (In-Kind)

Project Description:

This project will construct a new primary outlet structure for Virginia Lake which will be located near the south end of the lake. The new outlet structure will replace the existing primary outlet structure, sometimes referred to as the “Glory Hole”. The design objective is to improve circulation in the lake by relocating the primary outlet near the north end of the lake, where normal inflow diverted from the Truckee River via the Cochran Ditch also enters, to near the south end of the lake. These outlet modifications will ensure that the normal inflow from the Truckee River, by dedicated City water rights, must circulate the length of Virginia Lake to the new outlet structure.

TMWA Benefit:

Virginia Lake and the Truckee River will directly benefit from improved water quality through this project since water from Virginia Lake, which flows south and east through the storm drain system into Boynton Slough and Steamboat Creek, ends up back in the Truckee River.

TRUCKEE MEADOWS WATER AUTHORITY
(TMWA)

RESOLUTION NO. 233

**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 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 projects' applicants are eligible beneficiaries of the Fund;

WHEREAS, the Board has reviewed the recommendation of the Advisory Committee and has found that the projects as listed on Exhibit A are consistent with the purposes of the Fund and merits 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.

Truckee Meadows Water Authority
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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 October 21, 2015 by the following vote of the Board:

Ayes: _____

Nays: _____

Abstain: _____ Absent: _____

Approved October 21, 2015

Geno Martini, Chairman

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

On this 21st of October, 2015, Geno Martini, 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

Truckee Meadows Water Authority
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EXHIBIT A

Project: Watershed Education Initiative (WEI)

Organization: Sierra Nevada Journeys

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watershed resulting in improved water quality, wildlife habitat and recreation in both Johnson Canyon and Donner Lake.

TMWA Benefit:

This project provides a direct water quality benefit to TMWA by addressing erosion issues and improved riparian and instream habitat.

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TMWA Benefit:

Increased sediment and debris flows during storm events negatively impacts the stability of river banks, contributing to the amount of sediment and debris trapped in upstream sediment basin. This project, which TMWA supports, will greatly improve eliminating bank erosion.

Project: Truckee River Cleanup/Invasive Weeds 2016

Organization: Keep Truckee Meadows Beautiful

Truckee Meadows Water Authority
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