



TRUCKEE MEADOWS WATER AUTHORITY
Board of Directors

AGENDA

Wednesday, January 15, 2020 at 10:00 a.m.
Sparks Council Chambers, 745 4th Street, Sparks, NV

Board Members

Chair Vaughn Hartung
Member Neoma Jardon
Member Jenny Brekhus
Member Paul Anderson

Vice Chair Kristopher Dahir
Member Jeanne Herman
Member Naomi Duerr

NOTES:

1. The announcement of this meeting has been posted at the following locations: Truckee Meadows Water Authority (1355 Capital Blvd., Reno), Reno City Hall (1 E. First St., Reno), Sparks City Hall (431 Prater Way, Sparks), Sparks Justice Court (1675 E. Prater Way, Sparks), Washoe County Courthouse (75 Court St., Reno), Washoe County Central Library (301 South Center St., Reno), Washoe County Administration (1001 East Ninth St., Reno), at <http://www.tmwa.com>, and State of Nevada Public Notice Website, <https://notice.nv.gov/>.
2. In accordance with NRS 241.020, this agenda closes three working days prior to the meeting. We are pleased to make reasonable accommodations for persons who are disabled and wish to attend meetings. If you require special arrangements for the meeting, please call (775) 834-8002 at least 24 hours before the meeting date.
3. Staff reports and supporting material for the meeting are available at TMWA and on the TMWA website at <http://www.tmwa.com/meeting/> or you can contact Sonia Folsom at (775) 834-8002. Supporting material is made available to the general public in accordance with NRS 241.020(6).
4. The Board may elect to combine agenda items, consider agenda items out of order, remove agenda items, or delay discussion on agenda items. Arrive at the meeting at the posted time to hear item(s) of interest.
5. Asterisks (*) denote non-action items.
6. Public comment is limited to three minutes and is allowed during the public comment periods. The public may sign-up to speak during the public comment period or on a specific agenda item by completing a "Request to Speak" card and submitting it to the clerk. In addition to the public comment periods, the Chairman has the discretion to allow public comment on any agenda item, including any item on which action is to be taken.
7. In the event the Chairman and Vice-Chairman are absent, the remaining Board members may elect a temporary presiding officer to preside over the meeting until the Chairman or Vice-Chairman are present (**Standing Item of Possible Action**).
8. Notice of possible quorum of Western Regional Water Commission: Because several members of the Truckee Meadows Water Authority Board of Directors are also Trustees of the Western Regional Water Commission, it is possible that a quorum of the Western Regional Water Commission may be present, however, such members will not deliberate or take action at this meeting in their capacity as Trustees of the Western Regional Water Commission.

1. Roll call*
2. Pledge of allegiance*
3. Public comment — limited to no more than three minutes per speaker*
4. Approval of the agenda (**For Possible Action**)
5. Approval of the minutes of the December 12, 2019 meeting of the TMWA Board of Directors (**For Possible Action**)

6. Informational presentation on the State Engineer's adjudication process — John Zimmerman*
7. PUBLIC HEARING ON RULE AMENDMENT
 - A. Introduction and first reading of amendments to TMWA Rule 7 water demand estimates for new or modified service applications — John Zimmerman and Laine Christman (**For Possible Action**)
 - B. Public comment — limited to no more than three minutes per speaker*

CLOSE PUBLIC HEARING

8. Presentation of Truckee River Fund Activities for Calendar Year 2019 — John Enloe*
9. Discussion and action, and possible direction to staff regarding the implementation of the previously approved third phase rate adjustment of up to 2.5% currently scheduled to be implemented on or after the first billing cycle in May 2020 — Michele Sullivan (**For Possible Action**)
10. Discussion and action, and possible direction to staff regarding review of and possible amendments to the Rules and Regulations of the TMWA Board of Directors originally adopted March 16, 2001 and amended May 8, 2002 — John Zimmerman and legal counsel (**For Possible Action**)
11. General Manager's Report*
12. Public comment — limited to no more than three minutes per speaker*
13. Board comments and requests for future agenda items*
14. Adjournment (**For Possible Action**)

TRUCKEE MEADOWS WATER AUTHORITY
MINUTES OF THE DECEMBER 12, 2019
DRAFT MEETING OF THE BOARD OF DIRECTORS

The Board of Directors met on Thursday, December 12, 2019, at Sparks Council Chambers, 745 4th Street, Sparks Nevada. Chair Hartung called the meeting to order at 10:00 a.m.

1. ROLL CALL

Members Present: **Jenny Brekhus, Kristopher Dahir, *Naomi Duerr, Neoma Jardon, Vaughn Hartung, and Jeanne Herman.

Members Absent: Paul Anderson.

A quorum was present.

**Member Duerr was present via telephone.*

***Member Brekhus left at 11:10 a.m.*

2. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Andy Gebhardt, TMWA Director of Operations & Water Quality.

3. PUBLIC COMMENT

There was no public comment

4. APPROVAL OF THE AGENDA

Upon motion by Member Herman second by Member Dahir, which motion duly carried by unanimous consent of the members present, the Board approved the agenda.

5. APPROVAL OF THE MINUTES OF THE OCTOBER 16, 2019 MEETING

Upon motion by Member Jardon, second by Member Brekhus, which motion duly carried by unanimous consent of the members present, the Board approved the October 16, 2019 minutes.

6. PRESENTATION ON THE BUREAU OF RECLAMATION GRANT OF \$900,000 AWARDED TO TMWA TO CONDUCT A CLIMATE CHANGE STUDY REGARDING CHANGES TO WINTER OPERATIONS FOR FLOOD CONTROL AND DROUGHT STORAGE

Bill Hauck, TMWA Senior Hydrologist, informed the Board of the proposal submitted to the Bureau of Reclamation (BOR) for funding under the Water Management Options Pilots (WMOP) for the Truckee Basin Water Management Options Pilot Study, which addresses climate change and its impact on wintertime reservoir flood storage limits, flood control, and downstream flow thresholds. The total projected cost was \$1.82 million, of which TMWA would contribute 51% or \$926,000 through in-kind services such as hydraulic modeling, data analysis, technical support, document preparation and contractor services as needed. TMWA was recently awarded the grant from BOR in the amount of \$892,240 in federal funds toward the development of the proposed WMOP for the Truckee Basin.

Chair Hartung inquired about the timeline of implementation for the project. Mr. Hauck replied approximately three years from the signing of the Memorandum of Agreement (MOA) in March 2020.

John Enloe, TMWA Director of Natural Resources, stressed that the Board recognize this was an integral part of the Truckee River Basin Study, which indicated that TMWA consider reviewing the reoperation of reservoirs, and that Mr. Hauck worked diligently to put together the proposals along with coordinating with agencies to achieve the MOA.

Vice Chair Dahir thanked staff for their efforts and requested the Board be updated of the progress. Mr. Hauck replied he can provide an update in late summer 2020.

7. DISCUSSION AND ACTION ON ADOPTION OF RESOLUTION NO. 280: A RESOLUTION TO APPROVE THE COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR FISCAL YEAR ENDED JUNE 30, 2019

Matt Bowman, TMWA Financial Controller, presented the Comprehensive Annual Financial Report (CAFR) for Fiscal Year ended June 30, 2019. The audit, which was completed by Eide Bailly, went well with no findings, comments or audit adjustments. Mr. Bowman credited Sandra Tozi, TMWA Senior Accountant, with preparing the majority of the documentation for the auditors.

Member Brekhus commended staff on a great job with the CAFR and inquired about the depreciation of the system in relation to old infrastructure and how does TMWA depreciate water lines. Mr. Bowman replied the depreciation is a straight line over the life of the asset.

Upon motion by Member Jardon, second by Member Herman, which motion duly carried by unanimous consent of the members present, the Board adopted Resolution No. 280: A resolution to approve the Comprehensive Annual Financial Report for Fiscal Year ended June 30, 2019.

8. PRESENTATION OF FINANCIAL PERFORMANCE FOR FIRST QUARTER FISCAL YEAR 2020

Mr. Bowman presented the Financial Performance for First Quarter Fiscal Year 2020. The first quarter results indicate: water sales revenue and operating expenses are down from budget, \$1.4m and \$2.0m respectively; change in net position was \$4.2m higher than budget, due primarily to higher capital contributions; non-operating expenses were \$0.5m lower due to higher investment income of \$0.7m; interest expense was lower due to principal payments during the last year (approximately \$9.3m); capital contributions were \$3.0m higher than budget, which was driven by a higher volume of developer contributions leading up to the fee increase which took place on October 1st; capital spending was approximately \$8.2m; and cash on hand was \$212.4m or \$14.6m higher than the beginning of the year (\$155.5m unrestricted cash to meet operating & maintenance expenses, principal & interest payments and construction projects, and \$56.9m restricted cash to pay for reserves required for scheduled bond principal and interest payments and other reserve requirements).

Member Brekhus inquired about the increase in power costs since the Fish Springs pump station is online and if TMWA was eligible for similar benefits as the City of Reno to enter into an agreement with NV Energy. Mark Foree, TMWA General Manager, stated TMWA entered into an agreement with NV Energy that was part of the Farad Settlement (which was part of the \$21.5 million payment to TMWA) and agreed not to leave the system for 12 years, and we have eight years left before we can enter in to a similar agreement as with City of Reno.

Vice Chair Dahir inquired if it was necessary to go forward with the rate increase. Mr. Foree replied that staff recommended the rate increase at its October Board meeting and the status has not changed.

Member Jardon requested to open agenda items 9 and 10 together. Chair Hartung agreed.

9. DISCUSSION AND ACTION, AND POSSIBLE DIRECTION TO STAFF REGARDING THE PARAMETERS FOR THE TRUCKEE RIVER FUND SPRING REQUESTS FOR PROPOSALS

10. DISCUSSION AND ACTION, AND POSSIBLE DIRECTION TO STAFF ON COLLABORATION WITH THE COMMUNITY HOMELESSNESS ADVISORY BOARD, AND/OR CITY OF RENO, CITY OF SPARKS AND WASHOE COUNTY REGARDING SOLUTIONS TO ISSUES ARISING FROM ENCAMPMENTS ON THE TRUCKEE RIVER

Mr. Enloe reminded the Board that at the October meeting several board members discussed the Truckee River Fund (TRF) priorities, which is outlined in the staff report. There was discussion as to whether there was an opportunity to use the TRF funds for the purpose of the Community Homelessness Advisory Board (CHAB) objectives. Since 2004, TRF funds have been used for that purpose; approximately \$2 million has been spent recently on Truckee River cleanup and water quality improvement efforts in Reno/Sparks.

The community agrees this is a priority and TRF advisors relay the concerns in the projects that get approved for funding; there is \$200k available for the spring proposals.

Andy Gebhardt, TMWA Director of Operations & Water Quality, stated he has presented to the CHAB regarding the encampments on the river and alleviated public concern that the treated water is severely affected. TMWA has always been involved (via the TRF projects and local projects), and continues to be involved (now with CHAB), in efforts to address these issues and improve collaboration.

At this time Board members expressed the need for TMWA to remain active, continue to work with local entities and be preventative in their actions in order to save TMWA money in the long-term; consider an advocacy approach to address campers along the river as a method to move the encampments away from the river; leverage stakeholder assets and participation to focus on water quality; and to keep in mind TMWA's scope as a water utility (not social services).

Upon motion by Member Jardon, second by Member Dahir, which motion duly carried by unanimous consent of the members present, the Board accepted the Truckee River Fund report.

Upon motion by Member Jardon, second by Member Brekhus, which motion duly carried by unanimous consent of the members present, the Board approved staff to continue collaborating with the Community Homelessness Advisory Board and explore all opportunities to improve water quality and river experience.

11. REPORT REGARDING PUBLIC INPUT ON PROPOSED AMENDMENTS TO TMWA RULE 7 REGARDING WATER DEMAND ESTIMATES AND DISCUSSION AND POSSIBLE ACTION AND DIRECTION TO STAFF REGARDING PROPOSED AMENDMENT TO TMWA RULE 7

John Zimmerman, TMWA Water Resources Manager, and Laine Christman, TMWA Resource Economist & Conservation Supervisor, presented this staff report. Mr. Zimmerman reported upon direction from the Board at its October meeting, staff obtain public input regarding the proposed changes to the Rule 7 demand estimates for single- and multi-family residential developments. Staff presented to the Builders Association of Northern Nevada (BANN) and the TMWA Standing Advisory Committee (SAC) and held a public workshop. There were no objections and staff recommend moving forward with the rule change and holding the First Reading in January. Mr. Zimmerman noted a few questions that were raised: the change would not be retroactive for existing customers, but go into effect for future customers; and the SAC commented that we should prepare for anti-growth concerns.

Mr. Christman presented the analysis that water usage data for single-family and multi-family customers show a statistically distinct downward pattern of water use on average; a total of approximately 241 acre feet (AF) underutilization of water rights dedicated for single-family use for all lot sizes in the studied services; and the proposed per unit factor for multi-family services, based on 3-year average use, of 0.11 AF (a difference of 0.01 AF/unit from the current factor). The proposed estimation will yield more

efficient allocation of resources, which will require less water rights to be dedicated and will lower total cost of housing in the area.

Board Members inquired about the cause of lower dedication (smaller lots and larger buildings, means less outside irrigation, which is driving lower demand); the effect of the rule change to South Truckee Meadows General Improvement District (STMGID) and merger agreement (the merger documents do not require the use of the current Rule 7 for STMGID developments); and the 11% conservation (drought) factor (required under the Truckee River Operating Agreement (TROA)).

Mr. Zimmerman added staff proposed to include a limit on the maximum allocation that could be purchased from TMWA's Rule 7 Inventory to obtain a Will-Serve Commitment from TMWA without General Manager approval. Mark Foree, TMWA General Manager, added the intent is that the proposed limit would apply to large industrial projects that propose to use a substantial volume of water; Staff discussed with the developers (at the time when the facility charges increased) they would review the dedication requirements since peak day demand had decreased for residential properties.

Upon motion by Member Dahir, second by Member Jardon, which motion duly carried by unanimous consent of the members present, the Board approved the proposed amendments to TMWA Rule 7 regarding water demand estimates and bring it back for the first reading at the next meeting.

12. DISCUSSION AND ACTION, AND POSSIBLE DIRECTION TO STAFF REGARDING APPOINTMENTS TO THE STANDING ADVISORY COMMITTEE (SAC) TO FILL THE COMMERCIAL CUSTOMER REPRESENTATIVE ALTERNATE, AND OTHER POSSIBLE VACANCIES FOR TERMS BEGINNING JANUARY 1, 2020 TO DECEMBER 31, 2021 FROM THE FOLLOWING POOL OF CANDIDATES LISTED: JOHN KRMPOTIC

Sonia Folsom, TMWA Standing Advisory Committee (SAC) Liaison, presented the staff report, a brief history of the SAC and their charge of reviewing TMWA rates, budget, and finances.

Vice Chair Dahir commented that he personally knows John Krmptic and he would be a great addition to the SAC.

Upon motion by Member Dahir, second by Member Jardon, which motion duly carried by unanimous consent of the members present, the Board approved the appointment of John Krmptic to the Standing Advisory Committee to fill the commercial customer representative alternate position.

13. DISCUSSION AND ACTION, AND POSSIBLE DIRECTION TO STAFF REGARDING APPOINTMENTS TO THE STANDING ADVISORY COMMITTEE TO FILL VACANCIES IN EXISTING POSITIONS WHOSE TERMS EXPIRE DECEMBER 31, 2019, SUCH APPOINTMENTS TO BE MADE FOR NEW TERMS FROM JANUARY 1, 2020 TO DECEMBER 31, 2021 FROM THE FOLLOWING

LIST OF CANDIDATES: (1) FRED SCHMIDT, PRIMARY REPRESENTATIVE, WHOLESALE CUSTOMER; (2) JONNIE PULLMAN, ALTERNATE REPRESENTATIVE, MULTI-FAMILY CUSTOMER; (3) COLIN HAYES, PRIMARY REPRESENTATIVE, BUILDERS ASSOCIATION OF NORTHERN NEVADA (BANN); (4) JIM SMITH, ALTERNATE REPRESENTATIVE, BANN CUSTOMER; (5) TAYLOR RUSSO, PRIMARY REPRESENTATIVE, RENO-SPARKS CHAMBER CUSTOMER; AND (6) ANN SILVER, ALTERNATE REPRESENTATIVE, RENO-SPARKS CHAMBER CUSTOMER

Ms. Folsom presented the staff report.

Upon motion by Member Jardon, second by Member Herman, which motion duly carried by unanimous consent of the members present, the Board approved the appointments of: (1) Fred Schmidt, primary representative, wholesale customer; (2) Jonnie Pullman, alternate representative, multi-family customer; (3) Colin Hayes, primary representative, Builders Association of Northern Nevada (BANN); (4) Jim Smith, alternate representative, BANN customer; (5) Taylor Russo, primary representative, Reno-Sparks Chamber customer; and (6) Ann Silver, alternate representative, Reno-Sparks Chamber customer to the Standing Advisory Committee to fill vacancies in existing positions whose terms expire December 31, 2019, such appointments to be made for new terms from January 1, 2020 to December 31, 2021.

14. DISCUSSION AND ACTION ON SCHEDULING REGULAR BOARD MEETING DATES AND TIMES FOR THE CALENDAR YEAR (CY) 2020

Ms. Folsom presented the proposed 2020 meeting calendar, stating there were no conflicts with other agency meetings. She noted the October 21, 2020 Strategic Planning Workshop is to be held at TMWA's office, 1355 Capital Blvd and to allow approximately four hours for discussion.

Upon motion by Member Jardon, second by Member Dahir, which motion duly carried by unanimous consent of the members present, the Board approved the regular board meeting dates and times for the CY 2020.

15. GENERAL MANAGER'S REPORT

Mr. Foree reported that the snowpack is off to a good start.

16. PUBLIC COMMENT

There was no public comment.

17. BOARD COMMENTS AND REQUESTS FOR FUTURE AGENDA ITEMS

Vice Chair Dahir mentioned this past week, a TMWA Board member wrote a letter referenced in a newspaper article referencing TMWA, that may have appeared to be supported by TMWA, and that was done without Board review or consideration, which was unacceptable. He stated that such issues (raised in the letter) should go to the Board directly for discussion and possible action, and that he takes pride being on the TMWA Board and in TMWA's reputation of being transparent and fair, and this action by an individual Board member goes against that.

Chair Hartung noted that they can identify as Board members and make comments in public, but review of anyone who is under a contracted service, who does not fall under the general manager's purview, should be requested and styled as an agenda item for discussion and possible action.

Member Jardon commented on TMWA's transparency and openness with the public and would like to have a discussion at the next meeting.

Mr. Foree asked for clarification, and received confirmation, that the request was for a future agenda item for the Board to review and possibly add to the Board's existing governing rules and regulations in regard to actions by individual Board members.

Mr. Foree added Member Brekhus had a request for a future agenda item regarding how the water basin adjudication process works with the State Engineer's office.

18. ADJOURNMENT

With no further discussion, Chair Hartung adjourned the meeting at 11:35 a.m.

Approved by the TMWA Board of Directors in session on _____.

Sonia Folsom, Board Clerk.

**Member Brekhus was present for agenda items 1 thru 10 and part of 11 only.*



STAFF REPORT

TO: Chairman and Board Members
THRU: Mark Foree, General Manager
FROM: John Zimmerman, Water Resources Manager
DATE: January 6, 2020
SUBJECT: **Informational presentation on the Water Right adjudication process**

SUMMARY

In December, Board Member Brekhus requested a presentation describing the process for adjudicating water rights in Nevada. Staff prepared the attached presentation, which will be presented at the Board meeting.

Adjudication of Water Rights in Nevada



Water Rights In General

What is a Water Right?

- Right to Use Water Recognized by Law
 - All Water Belongs to the Public
 - “Usufructuary” – Right to Use, Not Own, the Water
 - Treated the Same as an Interest in Real Property
 - Beneficial Use is Bedrock Principle
 - Promotes Maximum Benefit of Water Resources
 - Discourages Speculation and Waste
- Main Elements
 - Source
 - Priority Date
 - Point of Diversion, Place of use, Manner of use

Water Rights In General

Surface Water and Groundwater

- Surface Water Rights are Identified by Specific Source (Rivers, Streams, Springs)
- Groundwater Rights are Identified by Basin
 - 256 basins statewide
 - Managed by Perennial Yield
 - “Maximum amount of groundwater that can be salvaged each year over the long-term without depleting the groundwater reservoir. Perennial yield cannot exceed the natural recharge”
- Units of Measurement
 - Volume: Acre-Foot (AF) (325,851 Gallons)
 - Diversion Rate: Cubic Feet/Second (1.98 AF/Day)

Nevada Water Law

Doctrine of Prior Appropriation

- Modeled After Early Western U.S. Mining Laws
 - First In Time, First In Right
 - Diversion Establishes Priority Over Others
 - Beneficial Use
 - Discourages Speculation and Waste

- Distinguished From Riparian Doctrine
 - Riparian Water Rights are Based on Proximity to the Water Source

Nevada Water Law

Two Systems of Appropriation

– Pre-Statutory (Applies to Vested Rights)

- Physical Diversion of Water
- Beneficial Use Within a Reasonable Time Period
- Not Subject to Statutory Appropriation Process if Vested Prior to:
 - 1905 (for surface water rights)
 - 1913 (for artesian wells)
 - 1939 (for groundwater rights)

– Statutory Permit System

- Two-Step Process
 - Obtain State Engineer Permission to Use The Water
 - Prove to State Engineer That Water is Being put to a Beneficial Use
- Domestic Wells Are Exempt From Permit Requirement
 - A Well Providing Water to a Single-Family Residence
 - Limited to 2 AF/Year

Adjudication of Water Rights

Process to Confirm Pre-Statutory Water Rights and Relationship to Statutory Water Rights

Two Options to Adjudicate

1. Statutory Adjudication: State Engineer and Court Involvement

- *1931 Humboldt River*
- *1960 Franktown Creek*
- *2014 Mott Creek*

2. Common Law Adjudication: Court Only (Civil Lawsuit)

Federal Court

- *1936 Walker River*
- *1944 Truckee River*
- *1980 Carson River*

State Court

- *1881 Genoa Creek*
- *1919 Quinn River*

Statutory Adjudication

- Water Users File Petition With State Engineer *OR* State Engineer Initiates
- Conducted in Two Phases
- First Phase – State Engineer:
 1. Notifies Claimants That Adjudication has Begun
 - Notice Mailed to Known Claimants and Published
 - Claimants Submit Evidence of Pre-Statutory Water Rights
 2. Investigates the Use of Water and Evidence Submitted
 3. Issues a “Preliminary Order of Determination”
 4. Holds Hearing on Objections to Preliminary Order
 5. Issues Order of Determination

Statutory Adjudication

Second Phase (Judicial Phase)

1. Order of Determination and Evidence Filed With the Court and Treated as a Complaint (i.e. Initiates Court Involvement)
2. Claimants (now Parties to the Lawsuit) File Objections to the Order
3. Court Holds a Hearing on Objections
4. Court Enters a Decree Deciding All Water Rights to the Source and Their Elements (Priority, Volume, Diversion Rate, Point of Diversion, Place of Use, Manner of Use)
 - Court may Appoint a Water Master to Administer the Decree
 - Most Surface Water Sources Were Used Pre-1905 so Have Been, or will be, Adjudicated Eventually
 - No Groundwater Basin Adjudications Have Been Completed
 - State Engineer Conducting a few Basin-Wide Adjudications
 - Involve all Unadjudicated Water Rights (surface and groundwater) in Each Basin (Diamond Valley, Cold Springs, Smoke Creek Valley, Buena Vista Valley)

Common Law Adjudication

1. Claimants File a Lawsuit Asserting a Vested Water Right
 - State Engineer is Usually not Directly Involved
 - Lawsuit Proceeds the Same as a Civil Lawsuit

2. Court Issues a Decree Deciding the Conflicting Claims to the Water Source and Their Relative Relationship
 - Priority, Volume, Diversion Rate, Point of Diversion, Place of Use, Manner of Use)

Questions?

Truckee Meadows Water Authority

RULE 7

REQUIREMENTS FOR WILL-SERVE COMMITMENT LETTERS

A. Applicability

This Rule applies to and sets forth the responsibilities and requirements of a Person applying to the Authority for a Will-Serve Commitment letter from the Authority for the delivery of water to a new Service or Modified Service.

B. Definitions

1. Terms not defined in this Section shall have the meaning set forth in Rule 1.
2. As used in this Rule:
 - a. "Applicant" shall mean the Person applying for a Will-Serve Commitment letter.
 - b. "Authority Water Resources" shall mean water resources owned by the Authority and previously held within the Will-Serve Commitment Inventory.
 - c. "Current Usage" shall mean the annual quantity of water actually delivered to a Service Property based on most recent usage data as determined by Authority pursuant to Section I.2, generally expressed in acre-feet per annum or acre-feet per year.
 - d. "Dedicated Water Resource" shall mean water resource credits, water rights, or water rights and necessary facilities accepted for dedication by an Applicant prior to the issuance of a Will-Serve Commitment letter, in order to meet the actual Demand of a new Service or Modified Service and/or Deficit Demand.
 - e. "Deficit Demand" shall mean the difference, as determined by the Authority pursuant to Section I.2, between the Current Usage at the Service Property and the Demand recognized in the Will-Serve Commitment letter or Historic Demand, if any, to a Service Property.
 - f. "Demand" shall mean the estimated annual quantity of water to be delivered to a Service Property, generally expressed in acre-feet per annum or acre-feet per year.
 - g. "Historic Demand" shall mean the estimated annual quantity of water, as determined by Authority, historically delivered by Authority or Authority's predecessor to a Service Property.
 - h. "Permitted Water Right" shall mean a water right for which the Authority has been issued a permit by the Nevada Division of Water Resources to use for municipal purposes in the Authority's place of use and to be diverted at the Authority's points of diversion.
 - i. "Will-Serve Inventory" shall mean the inventory of uncommitted water resources owned by the Authority which may be made available to Applicants to support an Applicant's Will-Serve Commitment pursuant to this Rule.

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~~j. "Truckee Meadows Resource Area ("TMRA")" shall mean the portion of the Service Area within which the Authority will accept for dedication, subject to Section F.3, any Truckee River water source/right for the delivery of water to the Service Property.~~

C. Will-Serve Commitment Letter Required

1. When Required. All Applicants for new Service or Modified Service must file an Application with the Authority for, and if the Authority determines that water resources are required to service the Demand of the new Service or Modified Service, a Will-Serve Commitment letter must be obtained for such service.
2. Methods to Obtain. A Will-Serve Commitment letter may be obtained from the Authority by the dedication to the Authority of Dedicated Water Resources as provided in Section F or by purchase from the Authority as provided in Section G.

D. Responsibilities and Requirements of Applicant

1. The Applicant shall submit, at the time of Application for a Will-Serve Commitment letter, plans and specifications sufficient for the Authority to estimate Demand of the new Service or Modified Service as follows:
 - a. Subdivision plat or parcel map with square footages of lots, including landscaping plans for common irrigation areas showing turf areas with square footage and drip areas with water use calculations; and/or
 - b. Site plan(s) with layout of project, including plumbing and mechanical plans, floor plan(s), and landscaping plans showing turf areas with square footage and drip areas with water use calculations; and/or
 - c. Any other information that the Authority may reasonably require to estimate annual Demand.
2. An Applicant with project(s) requiring Irrigation Service(s) must furnish with the Application a written determination by the Local Government with jurisdiction over the sale of Reclaimed Water as to the extent to which the Local Government will commit to provide Reclaimed Water to the Applicant for some or all of the Irrigation Service Demand.

Use of Reclaimed Water is subject to the requirements of the Authority and NAC 445A to protect and separate the Authority's Potable supplies from Non-Potable water sources. If Applicant project(s) cannot be served by Reclaimed water or backflow protection devices do not meet Authority's Standards, the Applicant must supply water resources pursuant to Section F or G of this Rule sufficient to meet the Irrigation Service(s) Demand for the project(s).

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E. Methodology for Calculating Demand and Water Resources Requirement

1. The Applicant's Demand for new Service or Modified Service ~~within the TMRA shall be~~ shall be estimated using best available data and estimating procedures as determined by the Authority and computed as follows:

| <u>Type of Unit</u> | <u>Demand (Acre-Feet Per year)</u> |
|---|--|
| Single family residential lot based on square foot lot size, with a minimum Demand of .4211 acre-feet per lot | $\frac{1}{1.1 + (\del{4015},000 / \text{Lot size})}$ |
| Mobile home parks with separate irrigation (per space) | 0.25 |
| Demand per unit for apartments, duplexes, condominiums, or townhouse units (excluding outside, utility room, laundry room and/or recreation uses) | 0.4211 |
| Commercial or Industrial Services (including residential utility room/ recreation areas) | The best available data and estimating procedures as determined by the Authority shall be used or estimated average annual Demand as furnished by the Applicant or Customer and accepted by the Authority shall be used. |
| Irrigation | 3.41 acre-feet per acre, or, for drip systems, the Demand as calculated by a landscape architect or other qualified professional and verified by the Authority. |

~~— The Applicant's Demand for new Service or Modified Service outside the TMRA shall be estimated using best available data and estimating procedures as determined by the Authority.~~

2. The acre-feet required for a new Service or Modified Service will be computed as follows:

Total Acre-Feet Required (AFA) = Total Project Demand x Multiplier

Multiplier = (a) for mainstream Truckee River Rights the multiplier shall be 1.11.

(b) for groundwater rights, the multiplier shall be 1.00.

Added: 03/23/01 Amended: 10/01/03; 06/19/13; 01/01/15

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(c) for all other water resources listed in Section F, the multiplier shall be such other number and/or other water sources/rights sufficient to provide an acceptable water supply, including but not limited to return-flow requirements, as determined by the Authority on a case by case basis.

F. Obtaining a Will-Serve Commitment Letter by Dedication of Water Rights

1. Requirement. When an Applicant seeks issuance of a Will-Serve Commitment letter from Dedicated Water Resources, the Applicant must dedicate to the Authority water rights sufficient to meet the Demand of the new Service or Modified Service as calculated pursuant to this Rule. Dedication of water rights will typically occur through conveyance to the Authority of title to the water rights. Under limited circumstances consistent with the Authority's discretion set forth in Section F.3, the Authority may consider acquisition of water rights for dedication through exchanges, leases, future purchases, or other acquisition agreements. Except in the case where the Authority has expressly agreed to accept a temporary dedication or except as provided in Section I, dedication of water rights is irrevocable.
2. Types of Water Rights Eligible for Dedication. Water rights acceptable for dedication to the Authority may be comprised of one or a combination of the following. For purposes of calculating the quantity of water rights required for dedication, different multipliers may apply as set forth in this Rule to different types of water rights and/or water sources.
 - a. Mainstream Truckee River rights with a multiplier as set forth in Section E.2 of this Rule.
 - b. Other water rights of acceptable quantity and quality to the Authority with a multiplier as set forth in Section E.2 of this Rule.
 - c. Credits associated with the conversion of a domestic well to the Authority's water system as allowed by the Nevada Division of Water Resources.
 - d. Groundwater rights permitted for the Authority's use by the Nevada Division of Water Resources with a multiplier as set forth in Section E.2 of this Rule.
 - e. Imported or other water sources/rights and additional facilities/treatment necessary to implement or utilize these water sources which the Authority determines provide a sufficient water supply to meet the Demands of the new Service or Modified Service with a multiplier as set forth in Section E.2 of this Rule.

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- f. Credits established pursuant to this Section I of this Rule.

The Authority may require analysis of drought-year supply or yield of the water right(s), Nevada Division of Water Resources approval of transfer, and/or special conveyance to the Authority's facilities as conditions of accepting dedication of the aforementioned water rights.

3. Acceptance or Rejection of Water Rights. The Authority shall have the right, in its sole discretion, to accept or reject any water right(s) offered for dedication based upon its application of Section F.2 and its consideration of the following:
- a. Whether the priority, quantity, ability to put the water right(s) to beneficial use, drought-year supply, yield, and quality of the water right(s) is sufficient to meet the Demand of the project for new Service or Modified Service;
 - b. Whether the water right(s) can be successfully changed under applicable law to allow their use by the Authority for municipal and industrial purposes, at the Authority's place of use, and for diversion at the Authority's points of diversion; and
 - c. Whether the Applicant can show unencumbered and clear title to ownership of the water right(s).

G. Obtaining a Will-Serve Commitment Letter by Purchase from the Authority

1. The Authority may maintain and make available from its Will-Serve Inventory of water resources available for commitment to support a Will-Serve Commitment letter to an Applicant's Project within the TMRAService Area as provided in this Section. The Authority shall determine the price of purchasing a Will-Serve Commitment based on a weighted averaged of all direct and indirect costs associated with the acquisition of water rights held in the Will-Serve Inventory, which shall include, but not be limited to:
 - a. The actual purchase or lease price of the water rights;
 - b. The cost or value of water rights determined through exchanges or trades of different various types of water rights or water resources identified in Section F.2 of this Rule;
 - c. The Authority's cost to research, verify and acquire title to the water rights;

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- d. The Authority's cost to change the point of diversion, place and manner of use of the water rights through the Nevada Division of Water Resources;
 - e. An annual carrying charge pursuant to the weighted average interest on the Authority's debt calculated and applied on a daily basis; and
 - f. Miscellaneous fees and office expenses associated with acquiring the water rights.
2. Will-Serve Commitment letters utilizing Will-Serve Inventory can only be purchased to the extent of the demand of Applicant's project and to the extent sufficient inventory exists in the Will-Serve Inventory. An Applicant shall not be permitted to purchase an allocation of more than 100 acre-feet from the Will-Serve Inventory under a single Application unless approved by the General Manager. Only Applicants eligible under Section G.4 may purchase Will-Serve Commitment letters. Priority among eligible Applicants to purchase Will-Serve Commitment letters shall be on a first come, first served basis determined by the date Authority has received a complete Application for the new or Modified Service. The Authority will notify an Applicant with priority in writing of the availability of sufficient inventory to serve the demand of Applicant's project via certified mail, hand delivery, fax, or email, and will reserve such inventory until 5:00 PM PST of the tenth full business day following delivery of such notice. In the event the Applicant does not purchase the Will-Serve Commitment letter by 5:00 PM PST of the tenth full business day following such notice, the Authority will release the inventory to the next eligible Applicant, and the Applicant electing not to purchase the Will-Serve Commitment letter shall forfeit its priority and move to the end of the line of all then eligible Applicants.
 3. The price of purchasing a Will-Serve Commitment letter utilizing the Will-Serve Inventory will be established by the Authority in the following manner:
 - a. Within fifteen (15) days of the end of each month, the Authority will calculate the general price associated with the acquisition of water rights in the Will-Serve Inventory by dividing the costs associated with the acquisition of water rights by the remaining balance of water rights in inventory. The resulting price shall be effective on the first business day of the following week; or
 - b. In the event additional water rights are acquired, the Authority shall determine a new price by dividing the costs associated with the acquisition of water rights by the remaining balance of water rights in inventory. The resulting price shall become effective on the first business day of the following week,

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4. The Applicant may purchase a Will-Serve Commitment letter sufficient to meet the Demand for the Applicant's Project within the TMRAService Area from the Authority only if the following conditions are met:
 - a. No water rights acceptable for dedication are appurtenant to the location at which new Service or Modified Service is being sought; or
 - b. The Applicant does not have any water rights banked with or previously conveyed to the Authority or other Local Government which remain uncommitted to a Project but could be available for Applicant's Project; or
 - c. The Applicant does not own any water rights that could be dedicated to the Authority pursuant to Section F of this Rule; and
 - d. The Authority has a sufficient inventory of water rights, in both quantity and type of resource, in the Will-Serve Inventory to meet the Demand for the Applicant's Project.

Where the Applicant is a Local Government or State agency seeking new or Modified Service, the Applicant may be granted an exemption to Section G.4(c) if Applicant's Water Resource(s) are committed to current or future water quality purposes, return flow requirements, effluent reuse, recharge, drought reserve, protection against demand fluctuations or such other appropriate water resource management or public use purposes approved by the Board.

Where the Applicant is a Wholesale Service applying for new or Modified Service on behalf of the owner of a retail project within the Wholesale Service's retail service area, Section G.4 shall apply to the owner of the of retail project as if the owner of the retail project were the Applicant.

H. Fees and Issuance of Will-Serve Commitment Letter

1. Fees Related to Dedication of Water Rights. Prior to the acceptance of Dedicated Water Resources to the Authority, Applicants will pay fees provided in Rate Schedule BSF to research and verify title, and the Applicant shall provide the Authority all documents and maps evidencing the water rights, including but not limited to (i) Nevada Division of Water Resources Application to Change and supporting Map and/or Report of Conveyance, and Abstract of Title; and (ii) copies of permits and/or certificates issued by the Nevada Division of Water Resources evidencing water rights, and Applicant is responsible for the costs as determined by the Nevada Division of Water Resources for the submission of a Report of Conveyance, Abstract of Title and all related documents as part of the application process with the Nevada Division of Water Resources.

Added: 03/23/01 Amended: 10/01/03; 10/19/05; 07/19/06; 01/19/12; 01/01/15

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2. Fees for Issuance of Will-Serve Commitment letter. In addition to any other fees in this Rule, Applicants shall pay fees provided in Rate Schedule BSF to prepare the documents necessary to issue each Will-Serve Commitment letter.
3. Water Resource Sustainability Fee. Applicants for new or Modified Service within the ~~TMPRA~~ Service Area relying on any water right other than the conversion of domestic well, imported water sources or groundwater rights for a Will-Serve Commitment letter will pay to the Authority's water resource sustainability fund the sum of \$1,600.00 per AF of Demand related to the new Service or Modified Service and to Deficit Demand prior to the issuance of the Will-Serve Commitment letter. Funds collected under this fee must be used for projects that improve the Authority's drought resiliency and water resource sustainability.
4. The Applicant is responsible for delivery of the Authority-issued Will-Serve Commitment letter and accompanying documentation to appropriate government entities.
5. Banking Water Rights. The Authority may, in its sole discretion, allow any Person to bank water rights with the Authority for future use by any Person. In the event an individual, any joint venture, partnership, corporation or other entity desires to dedicate water rights to the Authority for the Authority to hold or bank for the future use by the Applicant, or Applicant's designated successor, for a Will-Serve Commitment letter, the Applicant, or Applicant's designated successor, will pay applicable fees set forth in this Section and execute a banking agreement with the Authority. The Applicant, or Applicant's designated successor, shall be billed by the Authority for any fees such as Extension of Time associated with maintaining banked water rights in good standing with the Nevada Division of Water Resources.
6. Issuance of Will-Serve Commitment Letter After Dedication of Water Rights. After the Applicant has satisfied the requirements of Section F and paid the fees under Section H, and the Authority has accepted the Dedicated Water Resource, the Authority shall:
 - a. Prepare the necessary documentation to deed the Dedicated Water Resource to the Authority or Local Government;
 - b. Record such deed at the County Recorder; and
 - c. Upon execution of such deed and acceptance of the Dedicated Water Resource by the Authority, issue a Will-Serve Commitment letter to the Applicant for new Service or Modified Service at the location requested by Applicant.

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7. Issuance of Will-Serve Commitment Letter After Purchase. After an Applicant has satisfied the requirements of Section G, paid the price determined in Section G, and paid the fees under Section H, the Authority will issue a Will-Serve Commitment letter to the Applicant for new Service or Modified Service at the location requested by the Applicant.
8. Obligation to Serve. Until such time as the Authority has issued a Will-Serve Commitment letter to an Applicant and facilities are installed pursuant to the Authority's rules to delivery water to the Project, the Authority is not obligated to provide the new Service or Modified Service.
9. Will-Serve Commitments Appurtenance. Will-Serve Commitment letters issued by the Authority and Historic Demand are appurtenant to the Service Property.

I. Project Cancellation, Expiration or Termination and Adjustments

1. A Will-Serve Commitment letter is automatically revoked and shall be null and void without further notice from the Authority on the date (i) Applicant provides written notice to the Authority that Applicant's project is canceled; or (ii) approval for Applicant's project expires or is terminated by the applicable governing body. In such event and upon written request of the Applicant:
 - a. The Authority shall reconvey to the Applicant any water rights dedicated by the Applicant pursuant to Section F of this Rule for the revoked Will-Serve Commitment Letter; or
 - b. In the Authority's sole discretion, the Authority may hold or bank Dedicated Water Resources or Authority Water Resources in connection with the revoked Will-Serve Commitment letter for the use by the Applicant, or Applicant's designated successor or assign, for a new Will-Serve Commitment letter for another project(s); or
 - c. The Authority shall refund to the Applicant, without interest, the full amount paid to the Authority by the Applicant under Sections H.3 and G as applicable provided (i) the Applicant submits a written request for such a refund to the Authority within ninety (90) days of the issuance of the Will-Serve Commitment letter, or (ii) the total amount eligible for refund is \$100,000 or less. In the event the Authority grants a refund under this subsection, the Authority will return the Authority Water Resources supporting the revoked Will-Serve Commitment Letter to the Will-Serve Inventory; or

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- d. The Authority shall credit (~~credit~~credited in acre-feet) the Applicant, or Applicant's designated successor or assign, the amount of Water Resources purchased by Applicant under Section G, which credit can be applied to Application(s) for new Service and Modified Service within the Authority's TMRAService Area, subject to compliance with Authority's Rules, as directed in writing by the Applicant, or Applicant's designated successor or assign.
2. Will-Serve Commitment Adjustments and Issuance of Water Resource Credits. Adjustments to the quantity of water resources committed to a Service Property may be made pursuant to this Section where:
- a. An existing building(s) or facility(ies) has been demolished or removed and service to the Service Property is disconnected. A water resource credit (credited in acre-feet) will be issued to the owner of the Service Property under this Section 1.2.a equal to the Demand in the Will-Serve Commitment letter or Historic Demand, if:

(1) The owner of the Service Property on which service is to be disconnected records a deed restriction with the County Recorder in form acceptable to Authority declaring that there is no entitlement to water resources and/or water service from the Authority benefiting such parcel(s) at the Service Property; and

(2) Service at the Service Property is retired in accordance with Rule 6.

After completion of the requirements of Section 1.2.a(1) and 1.2.a(2) the Authority's commitment to deliver water to the Service Property shall be deemed revoked and any Applicant for the delivery of water to the Service Property must submit an Application for new Service and satisfy all requirements in this Rule, including supplying water resources pursuant to Section F or G prior to issuance of a Will-Serve Commitment letter for the new Service at the Service Property.

- b. The projected Demand of a new Service or Modified Service at the Service Property is less than the Demand in the Will-Serve Commitment letter or the Historic Demand at the Service Property, in which event a water resource credit (credited in acre-feet) will be issued to the owner of the Service Property under this Section 1.2.b equal to the difference. If the projected Demand of the new Service or Modified Service is greater than the Demand in the Will-Serve Commitment letter or the Historic Demand at the Service Property, no adjustment will be made or water resource credit issued, and the Applicant must dedicate sufficient water resources to the Authority in accordance with this Rule equal to the projected increase in Demand plus any Deficit Demand at the Service Property prior to the issuance of a new or revised Will-Serve Commitment letter for any new Service or Modified Service at the Service Property.

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- c. The owner(s) of a Service Property requests an adjustment of Demand based on Current Usage at the Service Property and:
- (1) The Service Property is not located on a parcel created by subdivision plat (or map) pursuant to NRS Chapter 278;
 - (2) The Demand being adjusted is not a Residential Service;
 - (3) The person(s) requesting the adjustment owns all real property at the Service Property benefitted by the quantity of water committed to the Service Property; and
 - (4) There is at least three (3) or more years of continuous metered water use data or other historic Demand data as determined by the Authority to establish the Current Usage for the Service Property being adjusted.

If the Service Property satisfies the requirements of Section I.2.c and Demand in the Will-Serve Commitment letter or Historic Demand is greater than the Current Usage, Authority shall issue a water resource credit (credited in acre-feet) to the owner of the Service Property equal to the difference and issue a revised Will-Serve Commitment letter to the Service Property. If a Deficit Demand exists at the Service Property no adjustment will be made or water resource credit issued.

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3. Water resources supporting any water resource credits issued by the Authority to the owner of a Service Property are owned by the Authority and shall be held for the benefit of the owner(s) of the Service Property, or his designated successor or assign subject to the terms and conditions set forth in Authority's water resource banking agreement. Water resource credits:
 - a. Shall be issued in acre-feet and shall state quantity in terms of Demand;
 - b. May be used in connection with an Application for new Service or Modified Service and is acceptable to meet the Demand under this Rule;
 - c. Must be used in the Authority's Service Area;
 - d. In areas where sewer flows are not returned to the Truckee River, additional resources must be supplied pursuant to Sections F or G for sufficient for return flows;
 - e. Shall be issued to the owner of the Service Property;
 - f. May be sold, assigned or transferred to other parties upon notification to and written approval from the Authority and only to the extent the water resource credits exceed one acre foot. The Authority may assist with such sales on request.

J. General Provisions

1. Nothing in this Rule shall be construed to usurp the planning functions of the Local Governments. Applicants shall be deemed in compliance with the provisions of this Rule if the Applicant causes the Local Government(s) to sell or lease to the Authority, pursuant to such Local Government(s) Ordinances, sufficient resources from resources held by the Cities or County, if such procedure is required by local Ordinance.



STAFF REPORT

TO: Chairman and Board Members
THRU: Mark Foree, General Manager
FROM: John Enloe, TMWA Director of Natural Resources
DATE: January 6, 2020
SUBJECT: **Presentation of Truckee River Fund Activities for Calendar Year 2019**

Summary

- Since the 2005 Fund inception, 173 Projects Approved by TMWA Board for Funding (By Resolution) -- Total Resolution Amount to Date: \$13.5 million
- Total Match from Grantees: \$22.7 million
- Funding available for the Spring 2020 request for proposals is \$197,936
- Project Status and Tracking: *See attached TRF Project Spreadsheet – Attachment 1*

Purpose

The purpose of this report is to provide the TMWA Board of Directors a summary of Truckee River Fund program (the Fund) activities from its 2005 inception, including a detailed summary of 2019 activities. This report will also be helpful to new Board members in getting familiar with the purpose and workings of the Truckee River Fund.

TMWA and the Board should be proud of this program and the outstanding contributions the Fund has made for the community, region, and the Truckee River watershed. Over the years, the Truckee River Fund Advisory Committee has developed a prudent and rigorous approach to the evaluation of proposals, to ensure that those recommended for approval by the TMWA Board have tangible and measurable outcomes and meet the objectives of the Fund. Through the able assistance of the Community Foundation of Western Nevada, all project proponents are required to account for funds dispersed and to provide reports on project status, success metrics and completion.

Program Background

As the Board may recall, the Fund was conceived and established in 2005 with the intent of supporting water quality and watershed protection projects that TMWA could not pursue on its own. Since inception, the program has evolved into an important component of TMWA's overall

water quality protection program, funding projects which have directly or indirectly improved water quality or the watershed of the Truckee River.

Financially, the Fund provides significant financial leverage for watershed and source water protection projects that TMWA could not ordinarily implement or afford. To date, the Fund has collaborated with other non-profit groups and governmental agencies to support 173 projects, with a \$13.5 million contribution from the Fund (via TMWA) being matched by \$22.7 million from its partners.

On a macro basis, the Fund has supported important water quality and watershed improvement projects in the following areas:

- **Invasive Species:** The introduction and proliferation of invasive species, both land-based (terrestrial) and aquatic, is a major concern for TMWA. As such, TMWA has supported projects to mitigate terrestrial and aquatic invasive plants and has funded the development and implementation of watercraft inspection programs at Lake Tahoe and nearby reservoirs to prevent the introduction of aquatic invasive species, including the quagga and zebra mussel into the waters of Lake Tahoe and nearby reservoirs, and control efforts to remove Eurasian watermilfoil from the Truckee River.
- **Urbanization of the Local Watershed:** Development in the foothill areas has led to degradation of local tributaries to the Truckee River via irrigation run-off and storm water discharges. Local tributaries upstream of TMWA's primary water treatment plants have been adversely impacted causing increased sediment, total dissolved solids (TDS) and turbidity loading. Because of this concern, the Fund has supported projects and programs that have helped to mitigate these problems.
- **Wildfires and Forest Thinning:** Wildfires have taken their toll on the Truckee River watershed, thereby increasing the likelihood of additional sediment and turbidity loading to the river. In response to the fires and watershed damage, TMWA has provided grants towards recovery and rehabilitation efforts. TMWA, through the Fund, has supported forest thinning efforts designed to reduce potential of forest fires that, as a result of sediment run-off, impact the Truckee River, tributary creeks and water storage reservoirs.
- **Erosion due to Past Logging Operations:** Some areas of the bi-state Truckee River watershed have been impacted by past logging practices that neglected reforestation and erosion control. As a result, some of these areas have experienced erosion of old logging roads and incising of tributary creeks, which have impacted the River with increased sediment, suspended solids, and TDS loading. TMWA, through the Fund, has supported projects designed and constructed to restore the watershed forest to its natural state.
- **Impaired Sections of the Truckee River and its Tributaries:** In conformance with the requirements of the Clean Water Act, both the State of Nevada and State of California have developed water quality standards for the River taking into account an analysis of beneficial uses. As an outgrowth of these standards, both States have identified impaired sections of the River through establishment of 303d lists. TMWA, again through the Fund, has supported improvement projects targeting impaired sections of the River.

2019 Grants

In 2019 the Fund, with Board approval, provided grants to 14 projects or programs.

1. **Project #214: Watershed Education Initiative (WEI)**, Sierra Nevada Journeys (SNJ). Grant Amount: \$36,207; Match: \$2,917 of cash and \$12,238 of in-kind services. To continue implementing the Watershed Education Initiative (WEI) in Washoe County schools based on local issues associated with the Truckee River, such as water quality and invasive species while empowering youth to protect and enhance the quality of the Truckee River.
2. **Project #215: Truckee Meadows Nature Study Area: First Year Operational Phase**, Truckee Meadows Parks Foundation. Grant Amount: \$61,400; Match: \$60,000 of cash. To execute a community supported master plan to repurpose the former Rosewood Lakes Golf Course into the Truckee Meadows Nature Study Area. The nature study area will serve as an outdoor learning laboratory and community green space.
3. **Project #216: McIver Dairy Meadow Restoration Project**, Truckee River Watershed Council. Grant Amount: \$161,000; Match: \$119,300 of cash. The restoration will reduce excess sedimentation of the Truckee River by addressing degradation caused by modern and historic land uses.
4. **Project #217: 2019 Fall Truckee River Cleanup, Adopt-A-River & Adult Outreach Education**, Keep Truckee Meadows Beautiful (KTMB). Grant Amount: \$53,000; Match: \$103,900 of cash and \$57,407 of in-kind services. Volunteers removed invasive weeds along the Truckee River and its tributaries; provided key messaging to the public about responsible river recreation and keeping the river clean; and presented to local stakeholder groups.
5. **Project: #219: Mount Rose Noxious Weed Monitoring and Treatment #7**, Friends of Nevada Wilderness. Grant Amount: \$24,094; Match: \$2,446 of cash and \$10,080 of in-kind services. The overall goal is to protect the water quality of the Truckee River and its watershed. Specifically, to treat noxious weeds at their source to mitigate their spread, monitor known weeds sites for changes and growth, and identify any new weed activity or infestations.
6. **Project #220: Washoe County Parks and Open Space Weed Treatment and Revegetation Project along the Truckee River**, Washoe County Parks and Open Space. Grant Amount: \$45,000; Match: \$16,200 of cash and \$1,600 of in-kind services. Removal of noxious and invasive weeds, and re-establish native vegetation in Washoe County Parks and Open Space areas along the Truckee River corridor. Project implementation would include weed inventory, GIS mapping and reporting, chemical and mechanical treatments, re-vegetation, and monitoring.
7. **Project #221: River Restroom Project lead by One Truckee River (OTR)**, One Truckee River (Nevada Land Trust as fiscal agent). Grant Amount: \$124,976; Match: \$31,244 of cash. The goal is to improve the Truckee River and Pyramid Lake's water quality by the establishment and support of 19 public restrooms along the Tahoe-Pyramid Trail, which follows the Truckee River for 114 miles from Lake Tahoe to Pyramid Lake.

8. **Project #222: Galena Creek Ecological Restoration & Demonstration Project**, Great Basin Institute (GBI). Grant Amount: \$35,054; Match: \$141,196.94 of cash and \$10,000 of in-kind services. Expand learning opportunities, specifically for Title I students, in service-based outdoor education through collaboration with teachers, educational institutions, land management agencies, and local foundations.
9. **Project #223: Watershed Education Initiative (WEI)**, Sierra Nevada Journeys (SNJ). Grant Amount: \$37,200; Match: \$2,667 of cash and \$12,058 of in-kind services. To continue implementing the Watershed Education Initiative (WEI) in Washoe County schools.
10. **Project #224: 2020 Spring Great Community Cleanup, 2020 Fall Truckee River Cleanup, Adopt-A-River & Adult Outreach Education**, Keep Truckee Meadows Beautiful (KTMB). Grant Amount: \$79,245; Match: \$152,805 of cash and \$154,514 of in-kind services. The Cleanup is designed to address both the direct and immediate presence of weeds, litter and non-point pollution runoff, and the underlying causes of these challenges by educating and engaging the community.
11. **Project #225: Truckee River Invasive Species Control Project**, Truckee River Watershed Council (TRWC). Grant Amount: \$19,250; Match: \$16,000 of cash. The project will provide targeted weed treatment along 2.5 miles and 525 acres of the Truckee River between the Truckee and Boca Reservoir as well as implement two community weed pull or education events in 2020.
12. **Project #226: Truckee Meadows Nature Study Area: First Year Operational Phase**, Truckee Meadows Parks Foundation. Grant Amount: \$101,526; Match: \$35,000 of cash. The property formerly known as the Rosewood Lakes Golf Course is one of the last vestiges of wetland habitat in the Truckee Meadows. Over the course of the operational year, environmental data will be collected, analyzed and used to evaluate the effectiveness of the different restoration practices.
13. **Project #227: Truckee River Watershed Forest Restoration and Community Outreach, Phase 2**, The Nature Conservancy in Nevada (TNC). Grant Amount: \$265,600; Match: \$264,600.49 of cash. Funding will further facilitate the investment of some portion of a \$1.5 million federal grant received by TNC, complete development of effective messaging and outreach strategies, and to utilize the messaging and strategies to implement an awareness campaign to educate the public and potential partners about severe wildfire-associated risks.
14. **Project #228: Galena Creek Ecological Restoration & Demonstration Project, Phase II**, Great Basin Institute (GBI). Grant Amount: \$34,778; Match: \$46,240.05 of cash and \$2,097 of in-kind services. For this project, the Institute will establish restoration sites along Galena Creek, an at-risk tributary of the Truckee River. Project staff will present STEM-based curricula to Washoe County classrooms and will introduce students to theories and concepts of applied restoration and watershed stewardship.

| Project # | Category | Proposal Date | Grantee | Grant Description | Funded | Resolution Amount | Match - Monetary | Match - In Kind | Match total |
|------------------------------|----------|---------------|---|---|--------|-------------------|------------------|-----------------|--------------|
| *Projects in Progress | | | * Projects not funded | | | | | | |
| 1 | | Dec-05 | Champions of the Truckee River | Living River Flood Alternative Community Education and Outreach | 1 | \$24,000.00 | \$7,200.00 | \$12,000.00 | \$19,200.00 |
| 2 | | Dec-05 | City of Reno | Chalk Creek TDS Loading to Truckee River Study: Possible TDS mitigation and pollution trade for TMWRF on Truckee River TDS TMDL. (Weir) | 2 | \$25,000.00 | | \$8,216.00 | \$8,216.00 |
| 3 | | Dec-05 | City of Reno | Watershed Coordination and Education Outreach for Storm Water Permits program | no | | | | |
| 4 | | Dec-05 | Environmental Leadership | Truckee River Clean-up Day | 3 | \$9,402.50 | \$3,167.50 | \$0.00 | \$3,167.50 |
| 5 | | Dec-05 | Nature Conservancy / Truckee River Yacht Club | Truckee River Science to Policy and Forum Phases 1 & 2 | no | | | | |
| 6 | | Dec-05 | Rainshadow Community Charter High School | Students Follow the River: Truckee River Restoration and Documentation Project | 4 | \$7,500.00 | \$0.00 | \$2,160.00 | \$2,160.00 |
| 7 | | Dec-05 | University of Nevada, Reno | Snapshot Day 2006 | no | | | | |
| 8 | | Dec-05 | University of Nevada, Reno | The Intermountain Regional Research Facility Project | no | | | | |
| 9 | | Dec-05 | University of Nevada, Reno | Glendale Diversion Fish Passage Assessment - Phase 1 Project | no | | | | |
| 10 | | Jun-06 | City of Reno | Watershed protection for the drinking water source of the Chalk Bluff Water Treatment Plant | 5 | \$211,000.00 | \$35,000.00 | \$26,500.00 | \$61,500.00 |
| 11 | B | Jun-06 | City of Reno | Lower Steamboat Creek Restoration/Stabilization | 6 | \$86,000.00 | \$80,000.00 | \$35,000.00 | \$115,000.00 |
| 12 | D | Jun-06 | City of Reno | Reach "Y" Tree Planting | no | | | | |
| 13 | B | Jun-06 | City of Reno | Urban Storm Water Quality Improvements | 7 | \$66,000.00 | \$150,000.00 | \$0.00 | \$150,000.00 |
| 14 | | Jun-06 | Great Basin Institute/Nevada Conservation Corps | Truckee River Invasive Plant Mapping and Eradication Project | no | | | | |
| 15 | | Jun-06 | Keep Truckee Meadows Beautiful | Truckee River Clean-up Day | 8 | \$13,175.00 | \$6,627.60 | \$24,367.50 | \$30,995.10 |
| 16 | | Jun-06 | Recreation Education Outdoors | Tahoe-Truckee Pyramid Regional Education Project | no | | | | |
| 17 | | Jun-06 | Recreation Education Outdoors | Truckee River Recreational Access Project | no | | | | |
| 18 | | Jun-06 | Truckee River Watershed Council | This Drains to the Truckee River Storm Drain Stenciling Pilot Project | 9 | \$9,300.00 | \$0.00 | \$3,380.00 | \$3,380.00 |
| 19 | | Jun-06 | Truckee River Yacht Club as Fiscal Agent for Nevada Dept. of Conservation and Natural Resources | Snapshot Day 2006 | 10 | \$6,605.00 | \$4,100.00 | \$15,342.00 | \$19,442.00 |
| 20 | | Jun-06 | U.S. Fish & Wildlife Service | Assessment of Petroleum Impacts to the Truckee River from Direct Stormwater Discharges | 11 | \$30,840.00 | \$0.00 | \$14,750.48 | \$14,750.48 |
| 21 | C | Jun-06 | University of Nevada, Reno | Low Impact Development (LID) Demonstration and Storm Water Retention for the New Student Union at UNR | 12 | \$34,483.00 | \$0.00 | \$15,517.00 | \$15,517.00 |
| 22 | | Jun-06 | Washoe County | McCarran Ranch: Outdoor Education and Interpretive Signage Site Planning | no | | | | |
| 23 | | Jul-06 | Ecosystem Sciences Foundation | Truckee River Education and Ourreach Program | no | | | | |

| Project # | Category | Proposal Date | Grantee | Grant Description | Funded | Resolution Amount | Match - Monetary | Match - In Kind | Match total |
|------------------------------|----------|---------------|--|--|--------|-------------------|------------------|-----------------|--------------|
| *Projects in Progress | | | * Projects not funded | | | | | | |
| 24 | | Jul-06 | Placer County Department of Public Works | Interstate Storm Water Flow Mitigation Project at Brockway/Crystal Bay | no | | | | |
| 25 | C | Jul-06 | University of Nevada, Reno | Bioavailability of dissolved organic nitrogen originating from natural sources and wastewater in effluent in the Truckee River | 13 | \$81,093.00 | \$20,334.00 | \$0.00 | \$20,334.00 |
| 26 | | Nov-06 | Great Basin Institute/Nevada Conservation Corps | Truckee River White Top Eradication Project at Mogul and Steamboat Creeks | 14 | \$13,692.70 | \$5,428.80 | \$325.00 | \$5,753.80 |
| 27 | | Nov-06 | Keep Truckee Meadows Beautiful | Truckee River Clean-Up Day 2007 | 15 | \$24,730.00 | \$8,248.70 | \$24,405.00 | \$32,653.70 |
| 28 | A | Nov-06 | City of Reno Public Works | Restoration of Riparian Vegetation in a Channel at Sapphire Ridge in the Chalk Creek Sub Watershed | 16 | \$18,375.00 | | \$6,125.00 | \$6,125.00 |
| 29 | D | Feb-07 | City of Reno Public Works | Chalk Creek Watershed Management for Water Quality to minimize Non-Point Source Pollution from Reaching the Truckee River | 17 | \$250,000.00 | | \$62,500.00 | \$62,500.00 |
| 30 | B | Feb-07 | City of Reno Public Works | Downtown Eco-Channel Construction | 18 | | | | |
| 31 | | Feb-07 | Truckee River Yacht Club as fiscal sponsor for Wallace-Kuhl & Associates | Chalk Creek NPS Abatement | no | | | | |
| 32 | | Jun-07 | Champions of the Truckee River | Truckee River Flood Management Project - Living River EIS Review | 19 | | | | |
| 33 | A | Jun-07 | Great Basin Institute/Nevada Conservation Corps | Rancho San Rafael Wetland Enhancement and Water Quality Enhancement | 20 | \$15,963.45 | \$8,373.60 | \$279.40 | \$8,653.00 |
| 34 | | Jun-07 | Pyramid Lake Paiute Tribe | Truckee River Noxious Weed Control Program | 21 | | | | |
| 35 | | Jun-07 | Rainshadow Community Charter HS | The Rainshadow Effect: Water Issues - Local to Global | 22 | \$10,000.00 | \$1,000.00 | \$5,418.85 | \$6,418.85 |
| 36 | F | Jun-07 | Tahoe Regional Planning Agency | Invasive Aquatic Species Integrated Management Strategy | 23 | \$50,000.00 | | \$12,500.00 | \$12,500.00 |
| 37 | D | Jun-07 | Washoe County Department of Water Resources | Truckee River Water Quality Protection and Enhancement Project through connection of the River Oaks Subdivision to the Lawton-Verdi Wastewater Interceptor | 24 | \$292,495.00 | \$589,600.00 | | \$589,600.00 |
| 38 | F | Aug-07 | Nevada Land Conservancy | Hawken Fire Restoration Effort | 25 | \$100,000.00 | \$85,000.00 | \$7,508.00 | \$92,508.00 |
| 39 | F | Sep-07 | Nevada Land Conservancy | Hawken Fire Restoration Effort | 26 | \$189,989.00 | \$135,111.00 | \$7,508.00 | \$142,619.00 |
| 40 | E | Nov-07 | Keep Truckee Meadows Beautiful | Truckee River Cleanup Day 2008 | 27 | \$25,604.85 | \$4,244.15 | \$32,205.00 | \$36,449.15 |
| 41 | D | Nov-07 | Great Basin Institute/Nevada Conservation Corps | Truckee River Invasive Plant Eradication & Restoration Demonstration Project | 28 | \$134,396.00 | | \$68,360.00 | \$68,360.00 |
| 42 | F | May-08 | Nevada Land Conservancy | Hawken Fire Weed Monitoring, Treatment, and Reseeding | 29 | \$28,900.00 | \$7,271.00 | | \$7,271.00 |
| 43 | A | Jun-08 | Washoe County Sheriff's Office | Washoe County Sheriff's Office Community Work Program Inmate and community service work crews cleaning, maintaining, and providing specified services within Washoe County on public property. | no | | - | - | |

| Project # | Category | Proposal Date | Grantee | Grant Description | Funded | Resolution Amount | Match - Monetary | Match - In Kind | Match total |
|------------------------------|----------|--------------------------------|---|--|--------|-------------------|------------------|-----------------|--------------|
| *Projects in Progress | | | * Projects not funded | | | | | | |
| 44 | D | Jun-08 | Washoe County Department of Water Resources | Mayberry Ranch Estates River Water Quality Improvement Project Use grants acquired from TRF to encourage homeowners to connect to the existing sewer and abandon their septic systems. | 30 | \$229,500.00 | \$895,163.91 | | \$895,163.91 |
| 45 | F | Jun-08 | City of Sparks | Pioneer Dam Modification City of Sparks as lead agency for modification of existng facility to mitigate negative impacts of Pioneer Dam diversion struction and enhance water resources of the Truckee River. | 31 | \$250,000.00 | \$294,000.00 | \$60,000.00 | \$354,000.00 |
| 46 | A | Jun-08 | Nevada Land Conservancy | 2008-09 Weed Treatments & Revegetation: Truckee River & Tributaries Facilitate weed control in Truckee Meadows as identified by Truckee Meadows Cooperative Weed Management Group's 2008 Action Plan; improving stabilization and decreasing erosion and sediment by protecting native habitat and restoring riparian areas. | 32 | \$112,500.00 | \$30,000.00 | - | \$30,000.00 |
| 47 | E | Jun-08 | Truckee Donner Land Trust | TDLT Truckee River Riparian Parcel Conservation Improvements and restoration specifically to riparian parcels held under a permanent conservaiton easement--general cleanup, debris removal, slope stabilization, signage. | 33 | \$7,500.00 | - | \$16,100.00 | \$16,100.00 |
| 48 | D | Jun-08 | City of Reno Public Works | Truckee River Watershed Map Web Tool Create inspired new Web-based watershed pages to compliment existing web efforts, in describing local watershed, and interconnectedness within and reliance upon the watershed. | 34 | \$80,000.00 | - | \$20,000.00 | \$20,000.00 |
| 49 | A,C,D | 6/1/2008; resubmitted 8/1/2008 | Washoe-Storey Conservation District | Crane Ditch Cleanup Demonstration Project--Curti Ranch LID & PCSC Retrofit addresses known problems in and around the segment of Crane Ditch that travels through and around Curti Ranch Units 3-9 between Highway 342 and Steamboat Ditch. | 35 | \$50,000.00 | | \$27,375.00 | \$27,375.00 |
| 50 | A | Jun-08 | The Nature Conservancy | Independence Lake Forest Management Planning Develop a forest management plan.--supports land management actions to protect lake quality against threat of catastrophic forest fires and resulting erosion. | 36 | \$39,668.00 | - | \$14,760.00 | \$14,760.00 |
| 51 | C | Jun-08 | The Nature Conservancy | Independence Lake Public Access Management Planning Develop compatible public access management plan--support land management actions that will protect Independence Lake quality against threat of incompatible public use and recreation of lake and lands. | 37 | \$45,510.00 | - | \$26,445.00 | \$26,445.00 |
| 52 | A | Aug-08 | City of Reno | Oxbow Park Bank Stabilization Pursue restoration and protection of the Truckee River within the City's Oxbow Park property | 38 | \$207,750.00 | \$69,250.00 | | \$69,250.00 |

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| *Projects in Progress | | | * Projects not funded | | | | | | |
| 53 | A | Nov-08 | Pyramid Lake Paiute Tribe | Aleck Streambank Restoration Improvements to streambank adjacent to agricultural lands. To protect banks from shearing from future flooding. Implementation: January 2009. | 39 | \$75,000.00 | \$130,000.00 | | \$130,000.00 |
| 54 | | Nov-08 | Nevada Department of Conservation and Natural Resources | 9th Annual Snapshot Day (2009) Snapshot Day monitors 119 sites within the Tahoe Basin & Truckee River watersheds. Water quality samples are taken; site locations are selected to gain information on restoration projects. | no | | | | |
| 55 | | Nov-08 | Truckee River Watershed Council | Adopt-A-Stream: Keeping an Eye on the Truckee River Continuation of existing Adopt-A-Stream program in 2009 by supporting program manager, equipment and supplies, lab analysis, and volunteer retention/recruitment/training. | no | | | | |
| 56 | D | Nov-08 | Tahoe Regional Planning Agency | Invasive Aquatic Species Integrated Management Strategy Funding for approximately 8 boat inspectors to staff boat ramp facilities, and funding to install gates at three public boat ramps. | 40 | \$118,000.00 | \$28,000.00 | \$1,500.00 | \$29,500.00 |
| 57 | | Nov-08 | Board of Regents NSHE | Identifying Non-Point Sources of Nutrients to the Truckee River from Groundwater in the Verdi/Mogul Area Project seeks to identify potential non-point sources of nutrients in groundwater by evaluating a large spatial array of monitoring wells for nutrient concentrations. | no | | | | |
| 58 | A | Nov-08 | Washoe County Sheriff's Office | WCSC Community Work Program-Truckee River Restoration Projects-Weed Control Provide inmate and community service work crews 30-40 hours per week for 8 weeks in Spring 2009 to The Nature Conservancy for revegetation and weed control. | 41 | \$12,280.00 | - | \$3,600.00 | \$3,600.00 |
| 59 | B,D | Nov-08 | City of Reno Public Works | Chalk Creek Watershed TDS/Sulfate Reducing Wetland Pilot Project Pilot project to model, design, construct, and monitor a small-scale sulfate-reducing bioreactor wetland system. Project provides opportunity to evaluate efficiency at treating TDS, phosphorus, nitrogen, and selenium from Chalk Creek Watershed. | 42 | \$163,000.00 | | \$50,000.00 | \$50,000.00 |
| 60 | B,D | Nov-08 | City of Reno Public Works | McKinley Arts & Cultural Center LID Demonstration Project and Installation Training Retrofitting McKinley building with rain gutters to take water away from the building and solve current problems with moisture and irrigation spray; includes steps to protect the Truckee River watershed by providing key examples on stormwater treatment using natural systems. | 43 | \$115,500.00 | \$300.00 | \$55,009.00 | \$55,309.00 |
| 61 | E | Nov-08 | Keep Truckee Meadows Beautiful | Truckee River Cleanup Day 2009 Scheduled for Sept. 26, 2009; designed to raise awareness about the importance of a clean, healthy river while engaging residents in keeping the River clean. | 44 | \$26,975.00 | - | \$47,599.00 | \$47,599.00 |

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| *Projects in Progress | | | * Projects not funded | | | | | | |
| 62 | F | Nov-08 | City of Sparks | Construction of Pioneer Dam Modification Funding will go to costs associated with construction activities for improvements identified in the previous grant for this project. | 45 | \$500,000.00 | \$608,000.00 | \$50,000.00 | \$658,000.00 |
| 63 | | Nov-08 | The Nature Conservancy | Independence Lake - Forest and Wildfire Management Funding for forest and wildfire management at Independence Lake. Funding is for part of a \$2,371,108 endowment for perpetual management of the forest at Independence Lake. | 46 | \$237,110.00 | - | \$153,052.00 | \$153,052.00 |
| 64 | | Nov-08 | Nevada Tahoe Conservation District | Best Management Practices Education & Outreach for the Truckee River Watershed in Washoe & Storey Counties | no | | | | |
| 65 | | Nov-08 | Washoe Storey Conservation District | Double Diamonds Wetland 5 & 6: LID & Engineered Wetland Rehabilitation Rehabilitation of a 404 permitted wetland, including site survey, updating and engineering the design for US Army Corps of Engineers approval, permitting and planning, design and construction of LID into the drainage plan, and construction/revegetation of wetland with a low flow channel. | no | | | | |
| 66 | | Jun-09 | Nevada Land Conservancy | Scope of Work for Truckee River Ecosystem Restoration Coordination: Creation of a 5-year Weed Control and Restoration Plan for the Truckee River | 47 | \$10,000.00 | | \$2,500.00 | \$2,500.00 |
| 67 | | Sep-09 | Desert Research Institute | Cloud Seeding Project for Tahoe and Truckee Basins for WY2010 | 48 | \$165,151.00 | \$52,674.00 | | \$52,674.00 |
| 68 | D | Nov-09 | AlpenGroup (proposal submitted by U.S. Army Corps of Engineers, Martis Creek Lake) | Eurasian milfoil removal from Martis Creek Lake. Eradicate Eurasian milfoil by using black cloth barrier method. Plan calls for treating approximately 80% of the lake area in 2010 season. | 49 | \$20,550.00 | \$4,450.00 | \$2,400.00 | \$6,850.00 |
| 69 | A,C,D | Nov-09 | Washoe County Sheriff's Office | WCSO Community Work Program-Truckee River Restoration Projects-Weed Control. Provide supervision of inmate and community service work crews 30-40 hours per week for 8 to 32 weeks in Winter/Spring 2010 to The Nature Conservancy for revegetation and weed control. | 50 | \$68,962.34 | | \$25,600.00 | \$25,600.00 |
| 70 | A,B,D | Nov-09 | Nevada Land Conservancy | 2010 Weed Treatments & Revegetation: Truckee River & Tributaries. Facilitate weed control and restoration in Truckee Meadows as identified by Truckee Meadows Weed Coordinating Group's 2010 Action Plan--Verdi and upstream in NV. | 51 | \$125,000.00 | \$30,000.00 | \$1,250.00 | \$31,250.00 |
| 71 | D | Nov-09 | Tahoe Resource Conservation District | Watercraft Inspection Program for the Truckee River Watershed. Initiate a coordinated, multi-party planning effort specifically intended to accelerate regional prevention and control efforts of aquatic invasive species. | 52 | \$231,123.00 | \$5,000.00 | \$75,340.00 | \$80,340.00 |
| 72 | A,C,D | Nov-09 | Keep Truckee Meadows Beautiful | Truckee River Cleanup 2010. Expanding the annual Cleanup Day to include a spring and fall cleanup. | 53 | \$42,050.00 | \$14,185.00 | \$52,830.00 | \$67,015.00 |

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| *Projects in Progress | | | * Projects not funded | | | | | | |
| 73 | B,C | Nov-09 | City of Reno | Livestock Events Center Drainage Treatment System. Design and construction of a storm water structural control that will minimize pollutants by runoff before it enters the offsite public storm drainage system. | 54 | \$75,000.00 | \$10,000.00 | \$15,000.00 | \$25,000.00 |
| 74 | E | May-10 | The Nature Conservancy | Independence Lake Woody Fuels Reduction for Fire Resilience. Implementation of actions that reduce the risk of catastrophic fire and subsequent erosion of sediment into the lake. | 55 | \$50,000.00 | \$91,492.00 | | \$91,492.00 |
| 75 | A,B,C | May-10 | Truckee River Watershed Council | Truckee Wetlands Restoration Project-Phase 2. Develop a hydrologic analysis, restoration plan and design and phasing and obtain needed permits for restoration. | 56 | \$40,000.00 | \$10,000.00 | \$10,000.00 | \$10,000.00 |
| 76 | A,C | Oct-10 | Truckee River Watershed Council | Coldstream Canyon Floodplain Restoration Project. Creek and floodplain restoration in the lower reaches of Coldstream Canyon. | 57 | \$135,000.00 | \$521,260.00 | | \$521,260.00 |
| 77 | C,E | Oct-10 | Board of Regents NSHE | BMP Installation and Maintenance Training. Provides field training for developers, planners, contractors, installers, inspectors, and government employees in correct selection, installation, maintenance, and inspection of construction site Best Management Practices and structural controls. | 58 | \$21,269.00 | \$5,318.00 | | \$5,318.00 |
| 78 | E | Oct-10 | The Nature Conservancy | Independence Lake Woody Fuels Reduction for Fire Resilience - Year 3. Forest thinning on 80 acres surrounding Independence Lake for reduction of woody fuels. | 59 | \$60,000.00 | \$32,000.00 | | \$32,000.00 |
| 79 | D | Oct-10 | Tahoe Resource Conservation District | Truckee Regional Aquatic Invasive Species Prevention Program. Continuation of necessary development of a sustainable long-term Watercraft Inspection and Decontamination Program serving at-risk water bodies in the headwaters of the Truckee River Watershed. | 60 | \$296,013.00 | \$5,000.00 | \$69,200.00 | \$74,200.00 |
| 80 | A,C,D | Oct-10 | Washoe County Sheriff's Office | Washoe County Sheriff's Office Community Work Program - Weed Control. Supplies to effectively meet the needs of the community and the various clean up efforts performed throughout the year. | 61 | \$12,695.00 | | \$3,600.00 | \$3,600.00 |
| 81 | E | Oct-10 | Desert Research Institute | Cloud Seeding Project for Tahoe and Truckee Basins for WY2011 | 62 | \$155,876.00 | \$63,969.00 | | \$63,969.00 |
| 82 | C,D | Oct-10 | Keep Truckee Meadows Beautiful | Truckee River Cleanup 2011. litter prevention and removal and community education and removal of invasive weeds along Truckee River watersheds. | 63 | \$42,900.00 | \$17,700.00 | \$63,040.00 | \$80,740.00 |
| 83 | B,C | Feb-11 | City of Reno | Livestock Events Center Drainage Treatment System Phase 2. Design and construction of a second storm water structural control that will minimize pollutants by runoff before it enters the offsite public storm drainage system. | 64 | \$97,500.00 | \$12,500.00 | \$20,000.00 | \$32,500.00 |
| 84 | E | Feb-11 | Sierra Nevada Journeys | Watershed Education Initiative | 65 | \$10,000.00 | \$6,000.00 | \$560.00 | \$6,560.00 |

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| *Projects in Progress | | | * Projects not funded | | | | | | |
| 85 | | Feb-11 | North Tahoe Public Utility District | Secline Sewer Pump Station Rehabilitation Project. Modify current conditions of facility, extend useful life, ensure pump station meets standards. | no | | | | |
| 86 | A,B | Feb-11 | River Partners | Restoration plan for UNR. Develop a habitat restoration plan for the 1,000 acre UNR Main Station Field Laboratory property. | 66 | \$23,990.00 | \$6,001.00 | | \$6,001.00 |
| 87 | | Jun-11 | Desert Research Institute | Integrated Water Quality Monitoring on the Truckee River. four basic components: 1) review of historic river data collected on the mainstem Truckee; 2) monthly "grab" samples at 13 locations on the mainstem of the Truckee River; 3) maintenance of one continuous monitoring site at Marble Bluff Dam; and, 4) quarterly field collection of benthic macroinvertebrates at four sites on the mainstem. | 67 | \$318,012.00 | \$80,000.00 | \$75,062.00 | \$155,062.00 |
| 88 | D | Sep-11 | The Nature Conservancy | Preventing Aquatic Invasive Species at Independence Lake. Primary measurable outcome will be the successful deterrence of future introductions of AIS into Independence Lake. | 68 | \$28,290.00 | \$20,135.00 | | \$20,135.00 |
| 89 | | Sep-11 | Keep Truckee Meadows Beautiful | Truckee River Cleanup 2012. Continue focus on litter prevention and removal and community education and removal of invasive weeds along the Truckee River. | 69 | \$44,950.00 | \$17,350.00 | \$75,500.00 | \$92,850.00 |
| 90 | A,B,D | Sep-11 | Nevada Land Conservancy | Weed Treatments & Revegetation: Truckee River & Tributaries: implement 1,125 acres and 10 trail miles of weed control and restoration as directed by the Truckee Meadows Cooperative Weed Group. | 70 | \$127,500.00 | \$40,000.00 | \$25,440.00 | \$65,440.00 |
| 91 | C,D,E | Sep-11 | Washoe County Sheriff's Office | Community Work Program--Pollution & Weed Control: provide full time Inmate Work Program Leader to supervise inmate and community service work crews. | 71 | \$71,860.00 | | \$19,460.35 | \$19,460.00 |
| 92 | | Sep-11 | Desert Research Institute | Cloud Seeding Project for Tahoe & Truckee Basins for WY2012: Enhance snowfall from winter storms and increase snowpack through wintertime cloud seeding technology. | 72 | \$154,815.00 | \$115,691.00 | | \$115,691.00 |
| 93 | | Sep-11 | Truckee Donner Land Trust | Webber Lake & Lacey Meadows Acquisition & Restoration: funding to maintain a healthy water system in the upper Truckee River watershed. | no | | | | |
| 94 | C,E | Sep-11 | Board of Regents, NSHE | BMP Installation & Maintenance Field Training & Classes: offer free field training to developers, planners, contractors, installers, inspectors, and government employees in 2012. | 73 | \$19,375.00 | \$4,844.00 | | \$4,844.00 |
| 95 | D | Sep-11 | Tahoe Resource Conservation District | Truckee Regional Aquatic Invasive Species Prevention Program: funding for further development of an mandatory AIS prevention program, increased public outreach and enhanced environmental monitoring. | 74 | \$267,627.00 | \$5,000.00 | \$66,200.00 | \$71,200.00 |

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| *Projects in Progress | | | * Projects not funded | | | | | | |
| 96 | E | Sep-11 | Sierra Nevada Journeys | Watershed Education Initiative: in-class lessons and after-school programs that tie directly to field-based experiences within the Truckee River watershed. | 75 | \$10,010.00 | \$1,872.00 | \$1,600.00 | \$3,472.00 |
| 97 | | Sep-11 | Washoe-Storey Conservation District | Weed Abatement Program: Education, Training, Removal, & Maintenance: education & training for homeowners, developers, planners, contractors, district employees, and maintenance employees in proper identification and removal of noxious and invasive weeds. | no | | | | |
| 98 | | Sep-11 | Great Basin Land & Water | Truckee River Instream Flow & Water Quality Enhancement: acquire roughly 900 acre-feet of Truckee River Claim 3 water rights and appurtenant lands. | no | | | | |
| 99 | A,D | Dec-11 | Nevada Land Conservancy | Caughlin Fire Emergency Watershed Stabilization & Restoration Effort | 76 | \$219,856.00 | | \$150,850.00 | \$150,850.00 |
| 100 | A,C | Feb-12 | Truckee River Watershed Council | Negro Canyon Restoration: Reduce Erosion to Donner Lake and the Truckee River by up to 175 tons annually. | 77 | \$25,000.00 | \$253,868.00 | \$6,000.00 | \$259,868.00 |
| 101 | | Feb-12 | Bureau of Land Management | Truckee River Restoration: small tracts of land along bank of TR managed by BLM. | no | | | | |
| 102 | | Feb-12 | BOR NSHE for DRI | Watershed Based Planning Tool for the Truckee River Basin: develop a useful and efficient watershed based planning tool that will identify impaired sections of the TR and assist TRF advisors in prioritizing future projects. | no | | | | |
| 103 | | Feb-12 | American Rivers, with Truckee River Watershed Council and Sierra Watch | Martis Solutions Initiative: to promote informed and sensible solutions to the threat of Martis Creek Dam. | no | | | | |
| 104 | | Feb-12 | Nevada Land Conservancy | Washoe Drive Emergency Watershed Stabiization & Restoration Effort: erosion control and emergency watershed protection measure in three priority areas. | 78 | \$115,000.00 | | \$38,530.00 | \$38,530.00 |
| 105 | A,E | Feb-12 | Truckee River Watershed Council | Lacey Creek and Meadow Assessment: recommend restoration projects and management practices in the headwaters of the Little Truckee River. | 79 | \$50,000.00 | \$8,500,000.00 | | \$8,500,000.00 |
| 106 | E | Aug-12 | The Nature Conservancy | Independence Lake Woody Fuels Reduction for Fire Resilience--Yr 3 Supplemental Funding: implement forest thinning and woody fuels reduction on 80 acres surrounding Independences Lake Preserve. | 80 | \$30,000.00 | \$43,740.00 | | \$43,740.00 |
| 107 | A,C | Aug-12 | Truckee River Watershed Council | Phase 2 Coldstream Canyon Floodplain Restoration: reduce erosion to the Truckee River through restoring a stream reach of Coldstream Canyon | 81 | \$196,000.00 | \$772,760.00 | | \$772,760.00 |
| 108 | | Aug-12 | Truckee River Watershed Council | Negro Canyon Restoration: Reduce Erosion to Donner Lake and the Truckee River by up to 175 tons annually. | no | | | | |

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| *Projects in Progress | | | * Projects not funded | | | | | | |
| 109 | | Aug-12 | League to Save Lake Tahoe | Pipe Keepers/Storm Drain Monitoring & Marking Project: group of volunteers coordinated by Americorp members; will monitor water flowing out of storm drains unfiltered into Lake Tahoe. | no | | | | |
| 110 | C,D,E | Aug-12 | Washoe County Sheriff's Office | Community Work Program--Pollution & Weed Control | 82 | \$68,250.00 | | \$21,600.00 | \$21,600.00 |
| 111 | D | Aug-12 | Friends of Nevada Wilderness | Mt Rose Noxious Weed Monitoring & Treatment: treat approximately 50 acres of noxious weeds on Humbolt-Toiyabe National Forest lands | 83 | \$13,225.00 | \$7,020.00 | \$4,250.00 | \$11,270.00 |
| 112 | E | Aug-12 | Sierra Nevada Journeys | Watershed Education Initiative: deliver educational programs to youth in the Reno area to inspire students to learn about their local Watershed and empower them to protect/enhance river quality. | 84 | \$12,690.00 | \$3,422.00 | \$600.00 | \$4,022.00 |
| 113 | | Aug-12 | Pyramid Lake Paiute Tribe | Fellnagle Fish Passage Improvement Project: improve fish passage from Fellnagle dam and irrigation diversion by stabilizing streambank and decreasing erosion/pollution. | no | | | | |
| 114 | | Aug-12 | Town of Truckee | Truckee Storm Water System Retrofit Project: install structural and/or LID improvements to treat storm water runoff in high priority drainages. | no | | | | |
| 115 | C,D | Aug-12 | Keep Truckee Meadows Beautiful | Truckee River Cleanup Day 2013 | 85 | \$46,450.00 | \$16,250.00 | \$77,450.00 | \$93,770.00 |
| 116 | D | Aug-12 | Tahoe Resource Conservation District | Truckee Rgional Aquatic Invasive Species Prevention: support TRCD's efforts to prevent AIS infestation in Truckee Regional walters | 86 | \$179,455.00 | \$70,000.00 | \$54,200.00 | \$124,200.00 |
| 117 | E | Feb-13 | The Nature Conservancy | Reduce woody fuel loading and reduce risk of severe wildfire around Independence Lake. | 87 | \$41,300.00 | \$20,650.00 | | \$20,650.00 |
| 118 | A,C | Feb-13 | Truckee River Watershed Council | Middle Martis Wetland Restoration-planning & design. | 88 | \$120,000.00 | \$60,000.00 | \$200,000.00 | \$260,000.00 |
| 119 | A,E | Feb-13 | City of Reno | Hazardous tree removal at Oxbow Park | 89 | \$32,250.00 | | \$16,531.00 | \$16,531.00 |
| 120 | A,E | Feb-13 | City of Reno | Truckee River bank stabilization at Crooked Mile | 90 | \$30,615.00 | \$18,175.00 | \$2,988.00 | \$21,163.00 |
| 121 | D | Feb-13 | BoR NSHE for UNR Cooperative Extension | Aquatic Invasive Species Education and Outreach for Nevada | no | | | | |
| 122 | A,C | Feb-13 | Truckee River Watershed Council | Truckee River Big Chief Corridor-Implementation | 91 | \$11,000.00 | \$344,000.00 | | \$344,000.00 |
| 123 | A,C,E | Feb-13 | The Nature Conservancy | Truckee River Restoration Project-Hoss Property Acquisition | no | | | | |
| 124 | D | Feb-13 | Tahoe Resource Conservation District | Truckee River Eurasian Watermilfoil Removal | 92 | | | | |
| 125 | E | Feb-13 | Sierra Nevada Journeys | Sierra Nevada Journeys' Watershed Education Initiative | 93 | \$16,050.00 | \$4,594.00 | \$1,000.00 | \$5,594.00 |
| 126 | C, D, E | Aug-13 | Keep Truckee Meadows Beautiful | Truckee River Youth Education/Invasive Weed Pull/Cleanup 2014 | 94 | \$57,050.00 | \$47,330.00 | \$77,210.00 | \$124,540.00 |
| 127 | C, D | Aug-13 | Washoe County Sheriff's Office | Community Work Program - Pollution & Weed Control | no | | | | |
| 128 | A,C | Aug-13 | Truckee River Watershed Council | Truckee River Big Chief Corridor-Restoration | 95 | \$150,000.00 | \$355,000.00 | \$25,000.00 | \$380,000.00 |
| 129 | A,D | Aug-13 | Nevada Land Trust | Weed Treatments & Revegetation: Truckee River & Tributaries: | 96 | \$65,050.00 | \$20,000.00 | \$5,000.00 | \$25,000.00 |
| 130 | D | Aug-13 | Friends of Nevada Wilderness | Mt. Rose Noxious Weed Monitoring & Treatment | 97 | \$10,896.00 | \$6,600.00 | \$4,250.00 | \$10,850.00 |

| Project # | Category | Proposal Date | Grantee | Grant Description | Funded | Resolution Amount | Match - Monetary | Match - In Kind | Match total |
|------------------------------|----------|---------------|--------------------------------------|--|--------|-------------------|------------------|-----------------|--------------|
| *Projects in Progress | | | * Projects not funded | | | | | | |
| 131 | E | Aug-13 | Sierra Nevada Journeys | Sierra Nevada Journeys' Watershed Education Initiative | 98 | \$24,200.00 | \$7,050.00 | \$1,600.00 | \$8,650.00 |
| 132 | A | Aug-13 | Town of Truckee | Trout Creek Restoration-Lower Reach 1 | no | | | | |
| 133 | D | Aug-13 | Tahoe Resource Conservation District | Truckee Regional Aquatic Invasive Species Prevention Program | 99 | \$115,000.00 | \$16,546.00 | \$55,780.00 | \$72,326.00 |
| 134 | E | Aug-13 | City of Reno | Reducing non-point source pollution to the Highland Canal | 100 | \$400,000.00 | \$243,000.00 | \$20,000.00 | \$263,000.00 |
| 135 | D | Aug-13 | Nevada Department of Wildlife | New Zealand Mud Snail & Aquatic Invasive Species Outreach for the Truckee River | 101 | \$45,413.00 | | \$11,355.00 | \$11,355.00 |
| 136 | C,D | Feb-14 | Washoe County Sheriff's Office | Community Work Program - Pollution & Weed Control | 102 | \$62,885.00 | | \$20,400.00 | \$20,400.00 |
| 137 | C | Feb-14 | Nevada Land Trust | Alum Creek Water Quality Improvement | 103 | \$60,000.00 | \$3,360.00 | \$30,984.16 | \$34,344.00 |
| 138 | E | Feb-14 | The Nature Conservancy | Truckee River Watershed Restoration - Forest Thinning at Independence Lake Preserve 2014 | no | | | | |
| 139 | D | Feb-14 | Town of Truckee | Town of Truckee Watercraft Inspection Program | 104 | \$10,000.00 | \$20,000.00 | | \$20,000.00 |
| 140 | E | Feb-14 | Sierra Nevada Journeys | Sierra Nevada Journeys' Watershed Education Initiative | 105 | \$23,750.00 | \$8,150.00 | \$2,000.00 | \$6,150.00 |
| 141 | D | Feb-14 | Tahoe Resource Conservation District | Truckee River Eurasian Watermilfoil Survey and Removal | 106 | \$59,860.00 | | \$44,635.00 | \$44,635.00 |
| 142 | A,B,C | Feb-14 | Truckee River Watershed Council | Truckee Wetlands Restoration Project-Phase 3,4&5 - Design | 107 | \$50,000.00 | | \$19,000.00 | \$19,000.00 |
| 143 | A,C,D | Aug-14 | Washoe-Storey Conservation District | Tenaya Creek-Wetland Restoration and Enhancement: Weed Abatement; Flood Attenuation, Education, Training | no | | | | |
| 144 | B,C | Aug-14 | City of Reno | Reducing non-point source pollution to the Highland Canal | 108 | \$329,000.00 | \$250,000.00 | \$20,000.00 | \$270,000.00 |
| 145 | E | Aug-14 | Sierra Nevada Journeys | Sierra Nevada Journeys' Watershed Education Initiative | 109 | \$23,900.00 | \$3,938.00 | \$6,840.00 | \$10,088.00 |
| 146 | E | Aug-14 | Tahoe Pyramid Bikeway | Graffiti and trash removal along Truckee River | 110 | \$4,660.00 | | \$1,570.00 | \$1,570.00 |
| 147 | E | Aug-14 | The Nature Conservancy | Optimizing Restoration Investments in the Truckee Watershed | 111 | \$50,000.00 | \$58,075.00 | | \$58,075.00 |
| 148 | B,C | Aug-14 | Truckee River Watershed Council | Donner Basin Watershed Assessment | 112 | \$70,000.00 | \$25,000.00 | | \$25,000.00 |
| 149 | D | Aug-14 | League to Save Lake Tahoe | Eyes on the Lake Truckee River Watershed Volunteer Invasive Species Monitoring | 113 | \$18,000.00 | \$11,400.00 | \$2,750.00 | \$14,150.00 |
| 150 | C,D | Aug-14 | Tahoe Resource Conservation District | Truckee River Native and Non-native Aquatic Plant and Trash Survey | 114 | \$49,000.00 | | \$15,000.00 | \$15,000.00 |
| 151 | B,C,E | Aug-14 | City of Reno | Virginia Lake Water Quality Improvement Project Monitoring and Public Education | 115 | \$18,820.00 | \$32,000.00 | \$48,301.00 | \$78,301.00 |
| 152 | A,C | Aug-14 | National Forest Foundation | Alder Creek Trail Watershed Rehabilitation Project | no | | | | |
| 153 | D | Aug-14 | Friends of Nevada Wilderness | Mount Rose Noxious Weed Monitoring and Treatment #3 | 116 | \$15,807.00 | \$12,800.00 | \$3,700.00 | \$16,500.00 |
| 154 | C,D,E | Aug-14 | Keep Truckee Meadows Beautiful | Watershed Youth Education, Invasive Weed Pull & River Cleanup 2015 | 117 | \$46,000.00 | \$23,800.00 | \$92,740.00 | \$116,540.00 |
| 155 | D | Aug-14 | Great Basin Institute | Nevada Conservation Corps Truckee River Eurasian Watermilfoil Removal | no | | | | |
| 156 | C | Feb-15 | Keep Truckee Meadows Beautiful | Truckee River Corridor Management Plan | 118 | \$90,000.00 | \$22,000.00 | \$1,500.00 | \$23,500.00 |

| Project # | Category | Proposal Date | Grantee | Grant Description | Funded | Resolution Amount | Match - Monetary | Match - In Kind | Match total |
|------------------------------|----------|---------------|---|---|--------|-------------------|------------------|-----------------|--------------|
| *Projects in Progress | | | * Projects not funded | | | | | | |
| 157 | C | Feb-15 | City of Reno | Truckee River Cleanup Crew | 119 | \$104,235.00 | | \$38,094.00 | \$38,094.00 |
| 158 | E | Aug-15 | Sierra Nevada Journeys | Watershed Education Initiative | 120 | \$28,484.00 | \$6,250.00 | \$7,200.00 | \$13,450.00 |
| 159 | A,C | Aug-15 | National Forest Foundation | Alder Creek Trail Watershed Restoration Project | no | | | | |
| 160 | A,C | Aug-15 | Truckee River Watershed Council | Johnson Canyon Westside Restoration | 121 | \$25,000.00 | \$79,000.00 | \$6,000.00 | \$85,000.00 |
| 161 | C | Aug-15 | TRI General Improvement District | Preliminary Design Report & Engineering-TMWRF at TRI | no | | | | |
| 162 | D | Aug-15 | Nevada Tahoe Conservation District | Rosewood & Third Creeks Invasive Weed Removal | 122 | \$7,350.00 | \$9,850.00 | \$2,500.00 | \$12,350.00 |
| 163 | D | Aug-15 | Tahoe Resource Conservation District | Truckee River Watershed AIS Prevention & Control | 123 | \$112,000.00 | \$50,000.00 | | \$50,000.00 |
| 164 | A,B,C | Aug-15 | City of Reno | Cemetery Drain Water Quality, Erosion Control/Drainage | 124 | \$77,500.00 | \$37,971.00 | \$15,000.00 | \$52,971.00 |
| 165 | C,D | Aug-15 | Keep Truckee Meadows Beautiful | Truckee River Cleanup/Invasive weeds 2016 | 125 | \$48,325.00 | \$40,500.00 | \$68,500.00 | \$109,000.00 |
| 166 | B,C | Aug-15 | City of Reno | Virginia Lake Water Quality Improvements | 126 | \$100,000.00 | \$150,000.00 | \$47,420.00 | \$197,420.00 |
| 167 | E | Feb-16 | Sierra Nevada Journeys | Watershed Education Initiative | 127 | \$33,041.00 | \$7,250.00 | \$10,440.00 | \$17,690.00 |
| 168 | D | Feb-16 | Friends of Nevada Wilderness | Mount Rose Noxious Weed Monitoring and Treatment #4 | 128 | \$21,002.00 | \$6,000.00 | \$8,640.00 | \$14,640.00 |
| 169 | C | Feb-16 | City of Reno | Truckee River Cleanup Crew Yr. 2 | 129 | \$47,787.00 | \$46,187.00 | \$22,782.00 | \$68,969.00 |
| 170 | A,B,C | Feb-16 | Mountain Area Preservation Foundation | Trout Creek Pocket Park & Restoration Initiative | 130 | \$25,000.00 | \$168,750.00 | \$5,500.00 | \$168,750.00 |
| 171 | A,C | Feb-16 | Truckee River Watershed Council | Johnson Canyon Westside Restoration-Construction | 131 | \$67,000.00 | \$79,000.00 | \$6,000.00 | \$85,000.00 |
| 172 | E | Feb-16 | Truckee Donner Land Trust | Webber Lake Little Truckee Headwaters Timber Management | no | | | | |
| 173 | C,E | Feb-16 | Tahoe Fund | Take Care-Truckee River | 132 | \$9,354.00 | | \$6,465.00 | \$6,465.00 |
| 174 | E | Feb-16 | USDA Forest Service, Tahoe National Forest, Truckee Ranger District | Prosser WUI Fuels Reduction Project | no | | | | |
| 175 | C | Aug-16 | Desert Research Institute | Modeling, Monitoring, and Social Assessment of Water Quality in Upper Truckee River Basin | no | | | | |
| 176 | C,D | Aug-16 | Keep Truckee Meadows Beautiful | 2017 Spring Invasive Weed Pull & Fall Cleanup | 133 | \$60,625.00 | \$15,000.00 | \$104,300.00 | \$119,300.00 |
| 177 | A,B,C | Aug-16 | Truckee River Watershed Council | Donner Creek Bank Stabilization Downstream of Railroad Culvert--final design | 134 | \$90,000.00 | \$260,000.00 | \$600.00 | \$260,600.00 |
| 178 | A,B,C | Aug-16 | Truckee River Watershed Council | Donner Creek Concept Design | 135 | \$40,000.00 | \$640,000.00 | \$9,000.00 | \$649,000.00 |
| 179 | E | Aug-16 | Sierra Nevada Journeys | Watershed Education Initiative | 136 | \$28,446.00 | \$6,250.00 | \$9,000.00 | \$15,250.00 |
| 180 | A,D,E | Aug-16 | Nevada Land Trust | One Truckee River Phase 1 Implementation | 137 | \$98,534.00 | \$14,604.00 | \$12,000.00 | \$26,604.00 |
| 181 | E | Aug-16 | Truckee Donner Land Trust | Webber Lake Little Truckee Headwaters Management | 138 | \$75,000.00 | \$18,750.00 | | \$18,750.00 |
| 182 | A,D | Aug-16 | Nevada Tahoe Conservation District | Rosewood & Third Creeks Invasive Weed Removal, phase 2 | no | | | | |

| Project # | Category | Proposal Date | Grantee | Grant Description | Funded | Resolution Amount | Match - Monetary | Match - In Kind | Match total |
|------------------------------|----------|---------------|---------------------------------------|--|--------|-------------------|------------------|-----------------|--------------|
| *Projects in Progress | | | * Projects not funded | | | | | | |
| 183 | C | Feb-17 | City of Reno | Truckee River Cleanup | 139 | \$28,694.00 | \$59,554.00 | \$17,491.00 | \$77,045.00 |
| 184 | E | Feb-17 | Sierra Nevada Journeys | Watershed Education Initiative | 140 | \$32,998.00 | \$2,610.00 | \$10,440.00 | \$13,050.00 |
| 185 | D | Feb-17 | Friends of Nevada Wilderness | Mount Rose Noxious Weed Monitoring and Treatment #5 | 141 | \$22,405.40 | \$12,232.00 | \$8,640.00 | \$20,872.00 |
| 186 | E | Feb-17 | Sierra Business Council | Lake Tahoe Water Trail Educational Wayfinding Interpretive Signage | no | | | | |
| 187 | A,C,E | Feb-17 | The Nature Conservancy | Landscape Conservation Forecasting for the Truckee River Watershed | 142 | \$60,000.00 | \$25,000.00 | - | \$25,000.00 |
| 188 | A,C, E | Feb-17 | Nevada Land Trust | One Truckee River Phase 1 Action | 143 | \$306,220.00 | \$75,614.00 | \$27,500.00 | \$103,114.00 |
| 189 | A,B, C | Feb-17 | Truckee River Watershed Council | Big Chief: F4M Restoration Culvert Outflows | 144 | \$50,000.00 | - | \$15,000.00 | \$15,000.00 |
| 190 | E | Aug-17 | Sierra Nevada Journeys | Watershed Education Program | 145 | \$35,065.00 | \$2,700.00 | \$10,200.00 | \$12,900.00 |
| 191 | | Aug-17 | City of Reno | Invasive Weed Removal - Reno Park Property | no | | | | |
| 192 | A,B,C | Aug-17 | Truckee River Watershed Council | Truckee River Tributaries Sediment Reduction Project | 146 | \$165,000.00 | \$41,250.00 | \$900.00 | \$42,150.00 |
| 193 | C,D | Aug-17 | Keep Truckee Meadows Beautiful | 2018 Spring Invasive Weed Pull & Fall Truckee River Cleanup | 147 | \$69,760.00 | \$15,000.00 | \$29,932.00 | \$44,932.00 |
| 194 | | Aug-17 | Sierra Nevada Alliance | Sierra Nevada Americorps Partnership (SNAP) | no | | | | |
| 195 | E | Feb-18 | Sierra Nevada Journeys | Watershed Education Initiative | 148 | \$46,376.00 | \$12,707.00 | \$15,385.00 | \$28,092.00 |
| 196 | D | Feb-18 | Friends of Nevada Wilderness | Mount Rose Noxious Weed Monitoring & Treatment #6 | 149 | \$23,500.00 | \$6,761.00 | \$8,400.00 | \$15,161.00 |
| 197 | C,E | Feb-18 | Truckee Meadows Park Foundation | Doggie Ambassador Program | no | | | | |
| 198 | D | Feb-18 | Desert Research Institute | Determining the role of signal crayfish in the Truckee River foodweb | no | | | | |
| 199 | A,B,C | Feb-18 | Truckee Donner Land Trust | Cold Stream Meadow Road Decommissioning & Restoration Project | 150 | \$65,000.00 | \$17,800.00 | \$2,200.00 | \$20,000.00 |
| 200 | A,B,C | Feb-18 | Truckee River Watershed Council | Truckee Meadows Restoration Project- Phase 2 Construction | 151 | \$30,000.00 | \$47,750.00 | - | \$47,750.00 |
| 201 | A,B,C | Feb-18 | National Forest Foundation | Perazzo Meadows Watershed Restoration & Erosion Control Project | 152 | \$148,000.00 | - | \$51,526.55 | \$51,526.55 |
| 202 | E | Feb-18 | Mountain Area Preservation Foundation | Trout Creek Pocket Park Stewardship & Service Learning Program | no | | | | |
| 203 | A,C,E | Feb-18 | Nevada Land Trust | One Truckee River: Watershed Management & Source Protection Plan & OTR Partnership Support | 153 | \$173,580.00 | \$99,780.00 | \$144,000.00 | \$243,780.00 |
| 204 | C,D | Aug-18 | Keep Truckee Meadows Beautiful | 2019 Spring Invasive Weed Pull & Fall Truckee River Cleanup | 154 | \$31,640.00 | \$14,500.00 | \$83,272.00 | \$97,772.00 |
| 205 | E | Aug-18 | Sierra Nevada Journeys | Watershed Education Initiative | 155 | \$36,207.00 | \$2,917.00 | \$12,238.00 | \$15,155.00 |
| 206 | D,E | Aug-18 | Truckee Meadows Parks Foundation | Truckee Meadows Nature Study Area Project: Planning Phase | 156 | \$38,400.00 | \$74,968.00 | - | \$74,968.00 |
| 207 | C | Aug-18 | City of Reno | 2nd Truckee River Cleanup Crew | 157 | | | | |
| 208 | E | Aug-18 | The Nature Conservancy of Nevada | Truckee River Watershed Forest Restoration | 158 | \$57,826.00 | \$57,152.28 | - | \$57,152.28 |
| 209 | A,B,C | Aug-18 | Truckee River Watershed Council | Restoration Projects: Donner Creek & Dry Creek Meadow | 159 | \$92,000.00 | \$192,000.00 | - | \$192,000.00 |
| 210 | C,E | Aug-18 | Truckee River Watershed Council | Truckee River Water Quality Monitoring Program | 160 | \$25,000.00 | - | \$32,675.00 | \$32,675.00 |

| Project # | Category | Proposal Date | Grantee | Grant Description | Funded | Resolution Amount | Match - Monetary | Match - In Kind | Match total |
|------------------------------|----------|---------------|---|---|--------|------------------------|------------------|-----------------|------------------------|
| *Projects in Progress | | | * Projects not funded | | | | | | |
| 211 | C,D | Sep-18 | Tahoe Resource Conservation District | Truckee River Watershed AIS Survey and Control, and Trash Removal | no | | | | |
| 212 | B,C | Sep-18 | Nevada Tahoe Conservation District | Burnt Cedar Beach Water Quality Improvement Project | no | | | | |
| 213 | A,B,C | Sep-18 | City of Reno | Chalk Creek Restoration Project, Sapphire Ridge and Royal Vista Way | no | | | | |
| 214 | E | Feb-19 | Sierra Nevada Journeys | Watershed Education Initiative | 160 | \$36,207.00 | \$2,917.00 | \$12,238.00 | \$15,155.00 |
| 215 | D, E | Feb-19 | Truckee Meadows Parks Foundation | Truckee Meadows Nature Study Area: First Year Operational Phase | 161 | \$61,400.00 | \$18,744.00 | - | \$18,744.00 |
| 216 | A, B, C | Feb-19 | Truckee River Watershed Council | Mclver Dairy Meadow Restoration Project | 162 | \$161,000.00 | \$119,300.00 | - | \$119,300.00 |
| 217 | C, D | Feb-19 | Keep Truckee Meadows Beautiful | 2019 Fall Truckee River Cleanup, Adopt-A-River, and Adult Outreach & Education | 163 | \$53,000.00 | \$103,800.00 | \$57,407.00 | \$161,207.00 |
| 218 | E | Feb-19 | Nation Judicial College | Dividing the Waters Conference: "Sustainable Water Rights Management in Times of Shortage" at Stanford Law School | no | | | | |
| 219 | D | Feb-19 | Friends of Nevada Wilderness | Mount Rose Noxious Weed Monitoring and Treatment #7 | 164 | \$24,094.00 | \$2,446.00 | \$10,080.00 | \$12,526.00 |
| 220 | A, D | Feb-19 | Washoe County Parks and Open Space | Weed Treatment and Revegetation Project Along Truckee River | 165 | \$45,000.00 | \$16,200.00 | \$1,600.00 | \$17,800.00 |
| 221 | C, E | Feb-19 | Nevada Land Trust for One Truckee River | River Restroom Project lead by One Truckee River | 166 | \$124,976.00 | \$31,224.00 | - | \$31,224.00 |
| 222 | A, C | Feb-19 | Great Basin Institute | Galena Creek Ecological Restoration & Demonstration Project | 167 | \$35,054.00 | \$141,196.94 | - | \$141,196.94 |
| 223 | E | Aug-19 | Sierra Nevada Journeys | Watershed Education Initiative | 168 | \$37,200.00 | \$2,667.00 | \$12,058.00 | \$14,725.00 |
| 224 | C, D | Aug-19 | Keep Truckee Meadows Beautiful | 2020 Spring Great Community Cleanup, 2020 Fall Truckee River Cleanup, Adopt-A-River & Adult Outreach and Educatio | 169 | \$79,245.00 | \$152,805.00 | \$154,514.00 | \$307,319.00 |
| 225 | A, D | Aug-19 | Truckee River Watershed Council | Truckee River Invasive Species Control Project | 170 | \$19,250.00 | \$16,000.00 | - | \$16,000.00 |
| 226 | D, E | Aug-19 | Truckee Meadows Parks Foundation | Truckee Meadows Nature Study Area: First Year Operational | 171 | \$101,526.00 | \$35,000.00 | - | \$35,000.00 |
| 227 | E | Aug-19 | The Nature Conservancy of Nevada | Truckee River Watershed Forest Restoration and Community Outreach-Phase 2 | 172 | \$265,600.00 | \$264,600.49 | - | \$264,600.49 |
| 228 | A, C | Aug-19 | Great Basin Institute | Galena Creek Ecological Restoration & Demonstration Project, Phase II | 173 | \$34,778.00 | \$46,240.05 | \$2,097.00 | \$48,337.05 |
| | | | | | | | | | |
| | | | | TOTAL FUNDING AMOUNT: | | \$13,525,472.24 | | | \$22,682,304.80 |



STAFF REPORT

TO: TMWA Board of Directors
FROM: Michele Sullivan, Chief Financial Officer
THRU: Mark Foree, General Manager
DATE: January 3, 2020
Subject: **Discussion and action, and possible direction to staff regarding the implementation of the previously approved third phase rate adjustment of up to 2.5% currently scheduled to be implemented on or after the first billing cycle in May 2020**

RECOMMENDATION

Consistent with the Board's consideration in October 2019 of the 5 year Funding Plan, and with the recommendation of the Standing Advisory Committee (SAC), the TMWA Board vote to implement a 2.5% increase in rates as of May, 2020 based on Resolution 269 approved at the Board meeting in December, 2018.

DISCUSSION

Previous reports were presented and discussed with the Board during 2017 and the Board approved a 5 year rate adjustment plan at its April, 2017 meeting with Resolution 250. Those reports showed a \$13.2 million shortfall in operating revenues less operating expenses, debt payments and rehabilitative capital spending (funding gap) by fiscal year 2021 and the rate adjustment approved at that time included two 3% increases in May 2017 and May 2018, and three increases of 2.5% in May 2019, May 2020, and May 2021.

The first two increases of 3% were implemented as planned in May 2017 and May 2018. At the December 2018 Board meeting, the Board approved Resolution 269 to elect to defer the 2.5% rate increases out to May 2020, May 2021, and May 2022 for reconsideration. The funding plan was updated in the fall of 2019, and the Board and SAC both concluded that implementing the 2.5% rate increase in May, 2020 is necessary to maintain financial stability. Annual debt principal payments will increase by \$11 million in July, 2020, after being deferred for the last three years. Financial results for the current year are in line with budget, with lower operating sales revenue offset by lower operating expenses. The 2.5% increase will help TMWA maintain unrestricted cash balances sufficient to maintain investment grade credit ratings and meet required cash reserves based on TMWA's Reserves Policy. Since there has been no increase since May, 2018, a 2.5% increase in May, 2020 would be lower than total CPI over the two year period.

The chart below shows how the 2.5% increase is expected to affect monthly customer bills. This data is based on bills from December, 2018 to November, 2019. For all customer classes, the median bill increases less than \$1.00 per month.

**Changes in Monthly Water Bills by Customer Class from 2.5% increase
Based on Retail bills from December 2018 to November 2019**

| Customer Class | Median Bill |
|--|-------------|
| Residential | \$ 0.76 |
| Multi Unit Residential 3/4" (Serving multiple units) | \$ 0.86 |
| Commercial | \$ 0.95 |
| Irrigation | \$ 0.93 |

Financial metrics presented and discussed at the October, 2019 Board meeting are included in attachment A-1 and A-2. As previously noted, cash balances decline, and do not meet required reserve levels in 2024 if rate increases are not implemented (see A-1). With CPI like increases, TMWA can maintain required cash balances (A-2).

ATTACHMENT A-1

Truckee Meadows Water Authority
2020-2024 Funding Plan with Delayed Rate Increases

| TMWA's Revenue Sufficiency and Cost of Service | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
|---|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Projected Rate Increases | 0.0% | 2.5% | 2.5% | 0.0% | 0.0% |
| Operating Expenses | \$ 64,696,259 | \$ 64,983,724 | \$ 65,633,489 | \$ 66,789,307 | \$ 68,518,656 |
| Principal and Interest on customer related debt | 29,102,896 | 28,221,433 | 28,602,175 | 28,531,333 | 28,465,258 |
| Rehabilitative Capital Spending | 30,675,000 | 30,675,000 | 30,675,000 | 30,675,000 | 30,675,000 |
| Total Projected Cost of Service | \$ 124,474,155 | \$ 123,880,157 | \$ 124,910,664 | \$ 125,995,640 | \$ 127,658,914 |
| Recurring Revenues | \$ 113,101,031 | \$ 114,420,023 | \$ 117,697,192 | \$ 120,777,872 | \$ 122,409,402 |
| Surplus (Deficiency) | \$ (11,373,124) | \$ (9,460,134) | \$ (7,213,472) | \$ (5,217,768) | \$ (5,249,512) |
| Surplus (Deficiency) as a % of Cost of Service | -9.1% | -7.6% | -5.8% | -4.1% | -4.1% |
| Debt Service Coverage Ratios | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
| Water Sales Revenues | 102,508,086 | 104,781,095 | 108,456,053 | 111,632,442 | 112,477,556 |
| Hydroelectric Sales | 3,664,180 | 3,100,000 | 2,800,000 | 2,500,000 | 3,000,000 |
| Other Operating Sales | 3,518,950 | 2,673,823 | 2,331,513 | 2,269,902 | 2,263,820 |
| Investment Income | 3,409,815 | 3,865,105 | 4,109,626 | 4,375,528 | 4,668,026 |
| Total Revenues | 113,101,031 | 114,420,023 | 117,697,192 | 120,777,872 | 122,409,402 |
| Operating Expenses | (66,633,759) | (64,983,724) | (65,633,489) | (66,789,307) | (68,518,656) |
| Net Revenues | 46,467,272 | 49,436,299 | 52,063,703 | 53,988,565 | 53,890,746 |
| Senior Lien Debt Service | 28,185,550 | 27,829,750 | 28,275,250 | 28,274,500 | 28,287,250 |
| Senior Lien DSC | 1.65 | 1.78 | 1.84 | 1.91 | 1.91 |
| Total Sr. Lien and SRF Debt Service | 30,606,271 | 30,250,471 | 30,695,971 | 30,695,221 | 30,707,971 |
| Total Sr. Lien and SRF DSC | 1.52 | 1.63 | 1.70 | 1.76 | 1.75 |
| Total Annual Debt Service incl. TECP Interest | 31,358,959 | 30,479,829 | 30,864,842 | 30,794,938 | 30,732,821 |
| Total Subordinate DSC | 1.48 | 1.62 | 1.69 | 1.75 | 1.75 |
| TMWA's Cash Balances | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
| Restricted Cash | \$ 53,409,093 | \$ 50,398,778 | \$ 50,965,363 | \$ 51,790,650 | \$ 52,637,426 |
| Rate Stabilization Fund | 9,171,715 | 9,746,088 | 9,976,982 | 10,124,142 | 10,203,237 |
| Unrestricted Cash Required by Policy | 94,242,472 | 93,692,460 | 93,909,048 | 94,294,320 | 94,870,770 |
| Required Cash Balances | 156,823,280 | 153,837,325 | 154,851,392 | 156,209,112 | 157,711,433 |
| Total Cash Balance | 193,128,755 | 181,638,514 | 168,325,456 | 157,068,015 | 149,343,361 |
| Difference | \$ 36,305,475 | \$ 27,801,189 | \$ 13,474,064 | \$ 858,903 | \$ (8,368,072) |

Truckee Meadows Water Authority
2020-2024 Funding Plan with Delayed Rate Increases

| <i>TMWA's Revenue Sufficiency and Cost of Service</i> | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
|---|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Projected Rate Increases | 2.5% | 2.5% | 2.5% | 0.0% | 0.0% |
| Operating Expenses | \$ 64,696,259 | \$ 64,983,724 | \$ 65,633,489 | \$ 66,789,307 | \$ 68,518,656 |
| Principal and Interest on customer related debt | 29,102,896 | 28,221,433 | 28,602,175 | 28,531,333 | 28,465,258 |
| Rehabilitative Capital Spending | 30,675,000 | 30,675,000 | 30,675,000 | 30,675,000 | 30,675,000 |
| Total Projected Cost of Service | \$ 124,474,155 | \$ 123,880,157 | \$ 124,910,664 | \$ 125,995,640 | \$ 127,658,914 |
| Recurring Revenues | \$ 114,083,173 | \$ 117,069,663 | \$ 120,468,851 | \$ 123,603,831 | \$ 125,256,888 |
| Surplus (Deficiency) | \$ (10,390,982) | \$ (6,810,494) | \$ (4,441,813) | \$ (2,391,809) | \$ (2,402,026) |
| Surplus (Deficiency) as a % of Cost of Service | -8.3% | -5.5% | -3.6% | -1.9% | -1.9% |
| Debt Service Coverage Ratios | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
| Water Sales Revenues | 103,490,228 | 107,430,735 | 111,227,712 | 114,458,401 | 115,325,042 |
| Hydroelectric Sales | 3,664,180 | 3,100,000 | 2,800,000 | 2,500,000 | 3,000,000 |
| Other Operating Sales | 3,518,950 | 2,673,823 | 2,331,513 | 2,269,902 | 2,263,820 |
| Investment Income | 3,409,815 | 3,865,105 | 4,109,626 | 4,375,528 | 4,668,026 |
| Total Revenues | 114,083,173 | 117,069,663 | 120,468,851 | 123,603,831 | 125,256,888 |
| Operating Expenses | (66,633,759) | (64,983,724) | (65,633,489) | (66,789,307) | (68,518,656) |
| Net Revenues | 47,449,414 | 52,085,939 | 54,835,362 | 56,814,524 | 56,738,232 |
| Senior Lien Debt Service | 28,185,550 | 27,829,750 | 28,275,250 | 28,274,500 | 28,287,250 |
| Senior Lien DSC | 1.68 | 1.87 | 1.94 | 2.01 | 2.01 |
| Total Sr. Lien and SRF Debt Service | 30,606,271 | 30,250,471 | 30,695,971 | 30,695,221 | 30,707,971 |
| Total Sr. Lien and SRF DSC | 1.55 | 1.72 | 1.79 | 1.85 | 1.85 |
| Total Annual Debt Service incl. TECP Interest | 31,358,959 | 30,479,829 | 30,864,842 | 30,794,938 | 30,732,821 |
| Total Subordinate DSC | 1.51 | 1.71 | 1.78 | 1.84 | 1.85 |
| TMWA's Cash Balances | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
| Restricted Cash | \$ 53,409,093 | \$ 50,398,778 | \$ 50,965,363 | \$ 51,790,650 | \$ 52,637,426 |
| Rate Stabilization Fund | 9,171,715 | 9,993,505 | 10,230,335 | 10,024,692 | 9,660,631 |
| Unrestricted Cash Required by Policy | 94,242,472 | 93,692,460 | 93,909,048 | 94,294,320 | 94,870,770 |
| Required Cash Balances | 156,823,280 | 154,084,743 | 155,104,745 | 156,109,661 | 157,168,826 |
| Total Cash Balance | 194,110,897 | 185,270,296 | 174,728,897 | 166,297,415 | 161,420,247 |
| Difference | \$ 37,287,617 | \$ 31,185,553 | \$ 19,624,152 | \$ 10,187,754 | \$ 4,251,421 |



STAFF REPORT

TO: Chairman and Board Members
THRU: Mark Foree, General Manager
FROM: John Zimmerman, Water Resources Manager
DATE: January 15, 2020
SUBJECT: **Discussion and action, and possible direction to staff regarding review of and possible amendments to the Rules and Regulations of the TMWA Board of Directors originally adopted March 16, 2001 and amended May 8, 2002**

SUMMARY

At the conclusion of the December Board meeting, several Board members expressed concern about a letter from a TMWA Board member to General Counsel Michael Pagni asking him to make a choice between representing StoneGate or TMWA and to withdraw as counsel for the other. Board members were concerned that they had no knowledge of the letter before it was sent and that it was written as a TMWA Board member and could be interpreted as coming from the TMWA Board. Lastly, Board members stated it was inappropriate of the Board member to share a copy of the letter with the Reno-Gazette Journal.

At the meeting, the Chair and Vice-Chair requested staff review the Rules and Regulations of the TMWA Board of Directors and provide language for consideration that would set the parameters for when and how a Board member may use their position as a member. They also requested staff provide language that clarifies how to properly request an agenda item on a matter regarding the appointment, suspension, or removal of the General Manager or any TMWA employee or contractor and communication with the media.

Because the letter at the center of these requests was directed to General Counsel Michael Pagni, staff engaged separate legal counsel (Gordon DePaoli) to assist staff with drafting the proposed language for consideration. Mr. DePaoli and staff will provide an overview of the attached draft language at the Board meeting.

**TRUCKEE MEADOWS WATER AUTHORITY
BOARD OF DIRECTORS**

**RULES AND REGULATIONS
Approved on March 16, 2001.**

PREAMBLE:

These rules and regulations are promulgated pursuant to the Cooperative Agreement among the City of Reno, the City of Sparks, and the County of Washoe, Article 18.

SECTION I - MINUTES:

The Board of Directors shall determine its own rules, order of business, and conduct of public meetings, and shall provide for minutes of its proceedings. The General Manager is required to keep accurate minutes, which shall be a public record.

SECTION II - MEETINGS:

Regular Meetings shall be held at least once each month. Regular meetings will normally convene on the second and fourth Wednesdays of the month at 9:00 a.m. in a properly noticed location in accordance with the Open Meeting Law.

Special Meetings may be called by the Chairman or the General Manager with at least three days written notice to each member of the Board served personally or left at the member's usual place of residence so long as the legal notice is in accordance with the Open Meeting Law.

Personnel/Labor Relations Sessions may only be held for the purposes allowed by NRS 241.030 (Nevada Open Meeting Law) and NRS 288.220 (Labor Negotiations). Personnel/Labor Relations Sessions are confidential unless the Board of Directors votes in open session to release the information and minutes related to a particular session.

Teleconference Attendance at meetings by Board members will be permitted, without further approval, when a Board member is unable to attend a meeting and desires to participate via the use of teleconferencing. The requesting Board member must give the General Manager or his/her designee adequate notice of his or her desire to participate via teleconferencing to make any technical arrangements necessary. The minutes of the meeting shall clearly set forth which members are present in person and which are present by telephone conference.

SECTION III - AGENDA:

Items scheduled on the regular agenda shall ordinarily be limited to those matters or issues that have been fully evaluated by staff and are in a form suitable for action. ~~Issues~~Any Board member may request that other matters or issues, including, but not limited to, matters or issues requiring staff research and Water Authority policy evaluation, may be included on ~~the~~ a future regular agenda, but discussion and action concerning any such item shall be limited to whether or not such

item shall be ~~scheduled~~included on an agenda for a future meeting as deemed appropriate by action of the Board of Directors. ~~Excepting emergency actions necessary in furtherance of the public health, safety, or general welfare~~Except in an emergency as allowed by the Nevada Open Meeting Law, no Board action shall be taken on any item ~~not included on the published agenda~~except in a meeting which has been properly noticed in accordance with N.R.S. 241.020 as it may be amended from time to time. If a Board member requests that a matter or issue be placed on a future agenda, and the request is not on the agenda of the meeting in which the request is made and is objected to by another Board member, then the request shall be placed on a future agenda for purposes of action on whether or not the item should thereafter be placed on an agenda for consideration at a subsequent meeting.

Agendas shall use the following order of business:

Roll Call
Pledge of Allegiance
Public Comment
Approval of Agenda
Approval of Minutes
Regular Business Items
Public Comment
Labor Relations Session (when necessary)
Adjournment

The Chairman shall determine the order of business at the meeting. The Chairman, on his own initiative, or the Board, by majority vote, may consider items out of sequence from the printed agenda. A time certain for particular items may be set by the General Manager at the time the agenda is posted or by request of the General Manager, Chairman, or Board members at the beginning of the meeting during the Approval of the Agenda item.

SECTION IV - PRESIDING OFFICER - DUTIES:

The Chairman shall be the presiding officer of the Board of Directors. The presiding officer shall preserve strict order and decorum at all regular and special meetings of the Board. The Chairman shall state every question coming before the Board, announce the decision of the Board on all subjects, and decide all questions of order. Any decision or ruling of the Chairman may be appealed to the full Board of Directors by request of any member. The Chairman shall call for roll call to see if the chair is upheld; if the roll call loses, the Chairman is reversed.

SECTION V - CALL TO ORDER:

The Chairman, or in the Chairman's absence the Vice-Chairman, shall call the Board to order at the scheduled meeting time. In the absence of the Chairman or Vice-Chairman, the General Manager shall call the Board to order. A temporary presiding officer shall then be elected by the members of the Board present. When the Chairman or Vice-Chairman arrives, the temporary presiding officer shall relinquish the chair when the business immediately before the Board is finished.

SECTION VI - ROLL CALL:

Before proceeding with the business of the Board, the General Manager or his/her designee shall call the roll of the members and the names of those present shall be entered in the minutes, with those present via teleconference annotated to that effect and announced to the meeting audience. When, pursuant to the interlocal agreement establishing the Water Authority, an alternate is attending in lieu of a regular member, then the alternate's name shall be entered into the minutes in the same manner as regular members, and the alternate may participate in all actions of the Board in the same manner as regular members. Alternates are encouraged to attend all TMWA Board meetings to keep abreast of the issues.

SECTION VII - QUORUM:

A quorum shall consist of a majority of the members of the Board physically present at the meeting. To preserve the intent of open public meetings, teleconference attendance shall not be considered in establishing a quorum. No action of the Board shall be valid or binding unless adopted by the affirmative vote of four or more members of the Board or as otherwise provided by law or the Cooperative Agreement. When a Board member will be unable to attend a meeting, it is the Board member's responsibility to notify his/her alternate to attend in his/her place.

SECTION VIII - ORDER OF BUSINESS:

The Chairman shall determine the order of business at meetings. The Chairman on his/her own initiative, or the Board by majority vote, may consider items out of sequence from the printed agenda. Time certain for particular items may be set at the time the agenda is posted or by request of the General Manager, Chairman, or Board members at the beginning of the Board meeting.

Getting the floor - improper references to be avoided: Every Board member desiring to speak shall address the chairman and, upon recognition by the presiding officer, shall confine himself or herself to the question under debate, avoiding all personalities and indecorous languages.

Interruptions: A member, once recognized, shall not be interrupted when speaking unless it is to call the member to order. If a member, while speaking, is called to order, the member shall cease speaking until the question of order is determined, and, if in order, shall be permitted to proceed.

Personal privilege: The right of a Board member to address the Board on a question of personal privilege shall be limited to cases in which the member's integrity, character, or motives are questions, or where the welfare of the Board is concerned. A Board member may interrupt another speaker if the Chairman recognizes the "privilege."

SECTION IX - ADDRESSING THE BOARD:

At the discretion of the chairman, citizens attending the meeting may address the Board at the proper time during the discussion of any agenda item. Petitions, remonstrances, communications, comments or suggestions from citizens which are not related to an item included in the agenda must be heard under Public Comment.

Each person desiring to address the Board shall submit an attendance card. Each person addressing the Board shall read his or her name and the city or county of his or her residence into the public record. Oral presentations given during the Public Comment section of the agenda or for any agenda item shall not be repetitious and shall be confined to three minutes maximum duration, unless the Chairman or the Board grants additional time. No person other than the individual speaking shall enter into the discussion without the permission of the presiding officer. No question shall be asked of a Board member except through the presiding officer. No action shall be taken on issues raised under the Public Comment section of the agenda.

After a motion is made, no person shall address the Board without first securing the permission of the full Board to do so.

SECTION X - DECORUM:

By Board Members: While the Board is in session, the members must preserve order and decorum. A member shall neither by conversation or otherwise delay nor interrupt the proceedings or the peace of the Board nor disturb any member while speaking nor refuse to obey the orders of the Board or its presiding officer, except as otherwise herein provided.

By Persons: Pursuant to NRS 241.030 (3)(b), any person making personal, impertinent, or slanderous remarks which disrupt the meeting, or who becomes boisterous while addressing the Board, or who interferes with the order of business before the Board, and who fails, upon request of the presiding officer to cease such activity, shall be barred from further audience before the Board at that meeting, unless permission to continue is granted by a majority vote of the Board.

Enforcement of Decorum: The General Manager or the General Manager's designee(s) shall carry out all orders and instructions given by the presiding officer for the purpose of maintaining order and decorum at Board meetings. Upon instructions of the presiding officer, it shall be the duty of the General Manager or the General Manager's designee(s) to remove any person who violates the order and decorum of the meeting.

SECTION XI - VOTING:

Roll Call: A roll call vote must be taken upon the request of any member.

Roll call votes shall be taken by the General Manager or his/her designee. The General Manager or his/her designee shall endeavor to rotate the order of calling on Board Members on a roll call vote except that the Chairman shall always vote last on a roll call vote. It shall not be in order for members to explain their vote during the roll call.

Precedence of Motions: When a motion is before the Board, no motion shall be entertained except (1) to limit comment, (2) to adjourn, (3) to fix hour of adjournment, (4) to lay the motion on the table, (5) to call for the previous question, (6) to continue to a certain day, (7) to refer, (8) to amend, (9) to postpone indefinitely, or (10) to divide the question. These motions shall have precedence in the order indicated.

Amendments: No more than one amendment to an amendment is permitted. When an amendment is before the Board, the Board shall vote first on the amendment. After the amendment has passed or failed, the Board shall vote on the main motion.

Motion to Table: The purpose of this motion is to temporarily by-pass the subject. A motion to lay the matter on the table is undebatable and shall preclude all amendments or debate of the subject under consideration. If the motion prevails, the matter may be "taken from the table" at any time prior to the end of the next regular meeting. A matter taken from the table cannot be acted upon if it does not appear on the published agenda.

Motion to Continue: The purpose of this motion is to delay consideration of a subject until a future time. A motion to continue shall include the specific date when the subject shall again be considered.

Motion for Previous Question: The purpose of this motion is to close debate on the main motion. It is undebatable, and no further discussion shall be permitted until the motion is acted upon. If the motion fails, debate is reopened; if the motion passes, then the Board shall vote on the main motion.

Division of Question: If the question contains two or more divisible propositions, the Chairman may, or upon successful motion of the Board, shall divide the same.

Withdrawal of Motion: When a motion is made and seconded, it shall be so stated by the Chair before debate commences. A motion may not be withdrawn by the mover without the consent of the member seconding it.

Conflict of Interest: Board members shall abide by the provisions of NRS 281.411 et, seq. relating to Ethics in Government.

Board Member Required to Vote: Board members are required to vote on all issues placed before them unless prohibited by the Code of Ethical Standards in NRS 281.481 et. seq.; or, if a Board member was absent from a meeting, he or she may abstain from voting on the minutes of that meeting. The presiding officer shall elicit a voice vote from teleconferencing board members.

Recording Votes: The minutes of the proceedings of the Board shall record each individual Board member's vote on all agenda items.

Affirmative Motion: An affirmative motion which fails to carry shall not be considered a denial and shall require a motion for denial.

Negative Motion: A negative motion which fails to carry is not tantamount to approval and shall require the passage of an affirmative motion before approval.

Motion to Reconsider: A motion for reconsideration of any matter or a request to have a matter placed on a subsequent agenda may be made at any time during the meeting when the matter was voted upon or during the next regularly scheduled meeting by a Board member voting on a prevailing side of the matter or motion to be reconsidered. A question failing by virtue of tie vote may be reconsidered by motion of any member of the Board, which motion may be made at any time. A majority vote in favor of reconsidering the vote on a subject or motion shall automatically cancel the previous vote on that subject or motion and reopen the subject or motion for discussion and another vote. The procedures of regular business shall be in order. When a Board member voting on the prevailing side requests the General Manager to place a time for reconsideration on the subsequent agenda, that Board member should specify his/her intent as to when the item itself should be heard if the Board approves the request to reconsider it.

SECTION XII - COMMITTEES

When the Board determines that a citizen's committee is needed, the following procedure shall be used:

- a) The Board member proposing the creation of the citizen's committee will submit information defining the purpose, duties and objectives of the committee and whether it is to be an ad hoc or continuing committee to the General Manager for placement on an agenda for Board discussion. If proposed as an ad hoc committee, the Board action shall specify when the committee's work is to begin and to conclude.
- b) The Board shall approve or reject the request. If the Board approves the request, it shall be referred to staff for the drafting of the appropriate resolution.
- c) Once a citizen's committee is approved, the General Manager shall cause to be published a notice soliciting interested and qualified volunteers to file application for appointment. The following information is to be contained in the notice: the purpose and duties of the committee and the requirement to comply with the open meeting law and the ethics law.
- d) The Board may interview all applicants or may pre-screen applicants for interviews if it so chooses.
- e) Terms of appointment to any citizens' committee shall not exceed three years. No person shall be appointed to serve more than two consecutive terms. An individual who fills an unexpired term with 3/4 of that term remaining shall be considered to be serving a full term. A third term may be considered if there are no other qualified applicants.
- f) Criteria Which May Be Used for Appointment to Committees:

- o Competence
- o Representative of community as a group - points of view, different areas, different aspects of the community, different backgrounds, experts and generalists, etc.
- o Balance among jurisdictions.

The following criteria may be used for re-appointment to or removal from committees:

- o Conflicts of interest
- o Attendance at Meetings
- o Participation during Meetings
- o Preparation for Meetings
- o Support of community vision/values
- o Respect for staff/public

The Board may remove a member of a committee pursuant to the following procedure:

- At the request of any Board member, the Board may direct written notice to be provided to a committee member being considered for removal.
- Such written notice will be delivered personally to that member at least 5 working days before the meeting, or sent by certified mail not less than 21 working days in advance of the meeting at which the removal will be considered.
- Such written notice will set forth the reasons for the proposed removal in sufficient detail to enable the committee member to respond at the meeting.

The Board may close the meeting in accordance with the provisions of the Open Meeting Law, Chapter 241 of the Nevada Revised Statutes, to discuss the character, alleged misconduct, professional competence, or physical or mental health of a person.

The member of the committee who is the subject of the proposed removal shall be given the opportunity to present information to the Board on the issue of removal.

SECTION XIII - AUTHORITY OF THE GENERAL MANAGER

The General Manager is the chief executive and administrative officer of the Truckee Meadows Water Authority. He or she is responsible to the Board for the proper administration of all Authority business. The General Manager shall appoint all employees of the Authority and, subject to the requirements of applicable law, may remove any employee, when justified, without authorization from the Board.

SECTION XIV - USES OF STAFF

Board members should always feel free to go to the General Manager. The Board will provide ongoing feedback, information and perceptions to the General Manager. When a Board member has a concern with a staff member, the concerns should be discussed with the General Manager.

Board members will not request from the General Manager any staff project that entails over two hours of staff work without seeking approval of the full Board. This rule pertains only to individual research requests by an individual Board member.

Board members should direct requests for information to the General Manager and not to individual staff members.

[This Section is not intended to authorize, and does not authorize any Board member, to seek or take action on any matter or issue within the jurisdiction of the Board, including, but not limited to the appointment, suspension, or removal of the General Manager or any TMWA employee or contractor. Action on such matters or issues may only be taken by the Board in a properly noticed public meeting in full compliance with the Nevada Open Meeting Law.](#)

SECTION XV - RULES OF ORDER

"Roberts Rules of Order Newly Revised" shall govern the proceedings of the Board in all cases, provided they are not in conflict with these rules.

[SECTION XVI – MEDIA COMMUNICATIONS](#)

[Board member to media communications: Board members speaking to the media will clearly indicate whether comments that they are expressing are the official position of the TMWA Board of Directors or represent their own personal views.](#)



STAFF REPORT

TO: Board of Directors
FROM: Mark Foree, General Manager
DATE: January 7, 2020
SUBJECT: **General Manager's Report**

Attached please find the written reports from the Management team including the Operations Report (*Attachment A*), the Water Resource and the Annexation Activity Report (*Attachment B*), and the Customer Services Report (*Attachment C*).



STAFF REPORT

TO: Board of Directors
THRU: Mark Foree, General Manager
FROM: Scott Estes, Director of Engineering
BY: Bill Hauck, Water Supply Administrator
DATE: January 6, 2020
SUBJECT: **January 2020 Operations Report**

Summary

- The region is positioned exceptionally well from a water supply perspective
- Snowpack in both basins is average
- Total upstream reservoir storage is at 74% of maximum capacity
- Lake Tahoe is 1.62 feet below its maximum elevation (and at 73% of capacity)
- A significant amount of carry-over storage on the Truckee River system virtually assures the region of normal river flows at least the next 2 years
- Hydroelectric revenue for December 2019 was approximately \$254,000
- Customer demands are at their wintertime lows

(A) Water Supply

- **River Flows** - Truckee River flows at the CA/NV state line are below average for this time of year. Discharge was 300 cubic feet per second (CFS) this morning. The median flow for January 6th based on 110 years of record is 404 CFS.
- **Reservoir Storage** - Upstream reservoir storage is about $\frac{3}{4}$ capacity (74%) to start the month of January. The elevation of Lake Tahoe is 6227.48 feet (1.62' below legal maximum storage elevation). Storage values for each reservoir as of 1/6 are as follows:

| Reservoir | Current Storage (Acre-Feet) | % of Capacity (Percent) |
|------------------|--|------------------------------------|
| Tahoe | 545,600 | 73% |
| Boca | 19,235 | 47% |
| Donner | 2,818 | 30% |
| Independence | 10,534 | 60% |
| Prosser | 7,111 | 24% |
| Stampede | 202,169 | 89% |

In addition to the 13,352 acre-feet of storage in Donner and Independence reservoirs, TMWA has approximately 18,750 acre-feet of water stored between Lake Tahoe, Boca and Stampede reservoirs under the terms of TROA. TMWA’s total combined upstream reservoir storage is approximately 32,100 acre-feet as of 1/6.

- **Snowpack** - Just about average conditions exist right now in both the Truckee Basin (97% of normal) and the Lake Tahoe Basin (100% of average). These percent of average totals are down significantly from just a few weeks ago however, as the region hasn’t had a significant winter storm for some time. And considering the fact that it was a noticeably dry fall, the streamflow runoff projections for both basins are currently below average (~85% normal). Snowpack and runoff projections will continue to further decline the longer we go without another significant winter storm event.
- **Outlook** - Upstream reservoir storage is in solid shape and Sierra snowpack is currently about average. The region hasn’t experienced a significant winter storm in some time and runoff projections are now slightly below normal. But it is still early in the traditional snowpack building season (only about 1/3rd of the way through) so there is no cause for concern. One or two good sized winter storms this next month and streamflow runoff projections will be back on track. Even if this doesn’t occur, the region has a significant amount of upstream reservoir storage capable of providing normal Truckee River flows for another two years or so. The region is still positioned extremely well from a water supply perspective.

(B) Water Production

- **Demand** - TMWA’s customer consumption is at wintertime demand levels. Last week demand averaged 34 million gallons per day (MGD). Overall, surface water is providing about 93% of our supply and groundwater the other 7%. Recharge is averaging 2 million gallons per day.

(C) Hydro Production

Generation - Average Truckee River flow at Farad (CA/NV state line) for the month of December averaged 324 CFS. All three of TMWA’s power plants were on-line and 100% available for the entire month. Monthly statistics are as follows:

| Hydro Plant | Days On-Line | Generation (Megawatt hours) | Revenue (Dollars) | Revenue (Dollars/Day) |
|---------------|--------------|-----------------------------|-------------------|-----------------------|
| Fleish | 31 | 1,571 | \$ 114,997 | \$ 3,710 |
| Verdi | 31 | 1,190 | \$ 86,323 | \$ 2,785 |
| Washoe | 31 | 723 | \$ 52,938 | \$ 1,708 |
| Totals | 93 | 3,484 | \$ 254,258 | \$ 8,203 |



STAFF REPORT

TO: Chairman and Board Members
THRU: Mark Foree, General Manager
FROM: John Zimmerman, Manager, Water Resources
DATE: 8 January 2020
SUBJECT: **Report Water Resources and Annexation Activity**

RULE 7

Rule 7 water resource purchases and will-serve commitment sales against purchased water resources through this reporting period:

| | | |
|-------------------------------------|-----------|-------------|
| Beginning Balance | | 4,170.94 AF |
| Purchases of water rights | 112.01 AF | |
| Refunds | 0.00 AF | |
| Sales | - 7.28 AF | |
| Adjustments | 0.00 AF | |
| Ending Balance | | 4,275.67 AF |
| Price per acre foot at report date: | \$7,700 | |

FISH SPRINGS RANCH, LLC GROUNDWATER RESOURCES

Through the merger of Washoe County's water utility, TMWA assumed a Water Banking and Trust Agreement with Fish Springs Ranch, LLC, a subsidiary of Vidler. Under the Agreement, TMWA holds record title to the groundwater rights for the benefit of Fish Springs. Fish Springs may sell and assign its interest in these groundwater rights to third parties for dedication to TMWA for a will-serve commitment in Areas where TMWA can deliver groundwater from the Fish Springs groundwater basin. Currently, TMWA can deliver Fish Springs groundwater to Area 10 only (Stead-Silver Lake-Lemmon Valley). The following is a summary of Fish Springs' resources.

| | | |
|-------------------------------------|-----------------------|-------------|
| Beginning Balance | | 7,809.43 AF |
| Committed water rights | - 8.26 AF | |
| Ending Balance | | 7,801.17 AF |
| Price per acre foot at report date: | \$36,000 ¹ | |

¹ Price reflects avoided cost of Truckee River water right related fees and TMWA Supply & Treatment WSF charge.

WATER SERVICE AREA ANNEXATIONS

There have been no annexations since the date of the last Board meeting.



STAFF REPORT

TO: Board of Directors
THRU: Mark Foree, General Manager
FROM: Marci Westlake, Manager Customer Service
DATE: January 15, 2020
SUBJECT: December Customer Service Report

The following is a summary of Customer Service activity for December 2019.

Ombudsman

- No calls for December.

Communications

Customer outreach in December included:

- Aaron Stickley had a Water Treatment/Lake Tahoe Watershed Presentation at Chalk Bluff and 16 people attended.
- Brett Warne/Aaron Stickley had a Water Treatment/Lake Tahoe Watershed Presentation at Chalk Bluff and 32 people attended.
- Kyle Campbell had a Water Treatment/Water System Overview Presentation at Chalk Bluff and 31 people attended.
- Ron Price had a Water Treatment/Water System Overview Presentation at Chalk Bluff and 60 people attended.
- Aaron Stickley had a Water Treatment/Water System Overview Presentation at Chalk Bluff and 60 people attended.
- Brett Warne had a Water Treatment/Water System Overview Presentation at Chalk Bluff and 60 people attended.

Conservation (2019 Calendar year to date)

- 7,060 Water Watcher Contacts
- 1,983 Water Usage Reviews

Customer Calls – December

- 7,190 phone calls handled
- Average handling time – 4 minutes, 24 seconds per call
- Average speed of answer – 16 seconds per call

Billing – December

- 131,329 bills issued
- 1(0.00%) corrected bills
- 21,437 customers (16%) have signed up for paperless billing to date.

Service Orders –December (% is rounded)

- 6,864 service orders taken
- 3,193 (47%) move-ins / move-outs
- 913 (13%) cut-out-for-non-payment and cut-in after receiving payments, including deposits and checks for tamper
- 673 (10%) zero consumption meter checks
- 629 (9%) re-read meters
- 693 (10%) new meter sets and meter/register/ERT exchanges and equipment checks
- 278 (4%) problems / emergencies, including cut-out for customer repairs, dirty water, no water, leaks, pressure complaints, safety issues, installing water meter blankets, etc.
- 120 (2%) high-bill complaints / audit and water usage review requests
- 365 (5%) various other service orders

Remittance – December

- 29,211 mailed-in payments
- 26,543 electronic payments
- 39,446 payments via RapidPay (EFT)
- 19,789 one-time bank account payments
- 6,995 credit card payments
- 1,418 store payments
- 2,060 payments via drop box or at front desk

• **Collections –December**

- 14,016 accounts received a late charge
- Mailed 7,688 10-day delinquent notices, 5.8% of accounts
- Mailed 1,953 48-hour delinquent notices, 1.4% of accounts
- 379 accounts eligible for disconnect
- 349 accounts were disconnected (including accounts that had been disconnected-for-non-payment that presented NSF checks for their reconnection)
- 0.21% write-off to revenue

Meter Statistics – Fiscal Year to Date

- 0 Meter retrofits completed
- 704 Meter exchanges completed
- 1,252 New business meter sets completed
- 128,144 Meters currently installed