

**NORTHERN NEVADA WATER PLANNING COMMISSION
("NNWPC")
AGENDA**

Wednesday, May 2, 2018

1:30 p.m.

Washoe County Commission Chambers
1001 East Ninth Street
Reno, Nevada

Notes:

1. Items on this agenda on which action may be taken are followed by the term "for possible action". Non-action items are followed by an asterisk (*).
2. Public comment is limited to three minutes per speaker and is allowed during the public comment periods, and before action is taken on any action item. Comments are to be directed to the Commission as a whole. Persons may not allocate unused time to other speakers. The public may sign-up to speak during the public comment period or on a specific agenda item by completing a Public Comment Information ("Request to Speak") card and submitting it to the clerk.
3. Items on this agenda may be taken out of order, combined with other agenda items for consideration, removed from the agenda, moved to or from the Consent Items section, or delayed for discussion at any time. Arrive at the meeting at the posted time to hear item(s) of interest.
4. Supporting material provided to the Commission for the items on the agenda is available to members of the public at the NNWPC offices, 1001 E. Ninth St., Reno, NV, from Jim Smitherman, Water Resources Program Manager, (775) 954-4657, and on the NNWPC website at <http://www.nnwpc.us>
5. The Washoe County Commission Chambers are accessible to the disabled. 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) 954-4657 no later than 24 hours prior to the meeting.
6. In accordance with NRS 241.020, this agenda has been posted at the following locations: Reno City Hall (1 East First Street), Sparks City Hall (431 Prater Way), Sun Valley GID (5000 Sun Valley Blvd.), Truckee Meadows Water Authority (1355 Capital Blvd.), Washoe County Administration Building (1001 E. Ninth Street), South Valleys Library (15650A Wedge Parkway), the NNWPC website at <http://www.nnwpc.us>, and the State of Nevada Website at <https://notice.nv.gov>

1. Roll Call and determination of presence of a quorum. *
2. Public Comments. * (Three-minute time limit per person.)
3. Approval of agenda. **(For Possible Action)**
4. Approval of the minutes from the April 4, 2018, meeting. **(For Possible Action)**
5. Review and possible approval of a scope of work and budget, not to exceed \$12,500 per year for two years from the Regional Water Management Fund ("RWMF"), for the Nevada Landscape Association ("NLA") Certified Landscape Technician program; and, if approved, authorize the NNWPC Program Manager to execute an agreement with the NLA for that purpose – Pam Bedard, Certified Landscape Technician Program Administrator, NLA, and Laine Christman, Truckee Meadows Water Authority. **(For Possible Action)**
6. Discussion and possible recommendation to the Western Regional Water Commission ("WRWC") for approval of a Seventh Amendment to the Interlocal Agreement ("ILA") with the City of Reno, in an amount not to exceed \$262,500 from the Regional Water Management Plan ("RWMF"), to support the Truckee Meadows Storm Water Quality Management Program for fiscal year 2018/2019 – Chris Wessel, Water Management Planner, and Theresa Jones, City of Reno. **(For Possible Action)**

Northern Nevada Water Planning Commission Agenda for May 3, 2017

7. Report on the Advanced Water Treatment Technologies Demonstration Project being conducted by the University of Nevada, Reno (“UNR”) – Jim Smitherman, Water Resource Program Manager, and Krishna Pagilla, UNR. *
8. Program Manager’s Report – Jim Smitherman. *
 - a. Report on the status of projects and Work Plan supported by the RWMF;
 - b. Financial Report on the RWMF.
9. Discussion regarding location and possible agenda items for the June 7, 2017 NNWPC meeting, and other future meetings, and possible direction to staff – Jim Smitherman.
(For Possible Action)
10. Commission comments. *
11. Staff comments. *
12. Public Comments. * (Three-minute time limit per person.)
13. Adjournment. **(For Possible Action)**

*Indicates a non-action item

DRAFT - MINUTES
NORTHERN NEVADA WATER PLANNING COMMISSION

Wednesday, April 4, 2018

The Northern Nevada Water Planning Commission ("NNWPC") held a regular meeting in the Washoe County Commission Chambers, 1001 East Ninth Street, Reno, Nevada, and conducted the following business:

The meeting was called to order by Vice-Chair DeMartini at 1:30 p.m.

1. Roll Call and Determination of Presence of a Quorum

Voting Members Present: Michael DeMartini, Michael Drinkwater, John Flansberg, Bill Hauck, Mickey Hazelwood, Darrin Price, David Solaro, Mervin Wright, John Zimmerman

Voting Members Absent: Danielle Henderson, John Enloe, John Martini

Non-Voting Members Present: None

Non-Voting Members Absent: Cindy Turiczek, Harry Fahnestock, Ron Penrose, My-Linh Nguyen, Thomas Pyeatte

Staff Members Present: Jim Smitherman; Chris Wessel; John Rhodes, Legal Counsel; and Jennifer Purgitt

2. Public Comment

None

3. Approval of Agenda (For Possible Action)

COMMISSIONER PRICE MADE A MOTION TO APPROVE THE AGENDA, SECONDED BY COMMISSIONER FLANSBERG. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) COMMISSIONERS PRESENT.

4. Selection of Chairman and Vice-Chairman for the term of April 2018 to April 2019, and possible direction to staff. (For Possible Action)

COMMISSIONER FLANSBERG MADE A MOTION TO SELECT MICHAEL DEMARTINI AS CHAIR AND MERVIN WRIGHT AS VICE-CHAIR, SECONDED BY COMMISSIONER DRINKWATER. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) COMMISSIONERS PRESENT.

5. Approval of Minutes from the March 7, 2018 Meeting (For Possible Action)

COMMISSIONER FLANSBERG MADE A MOTION TO APPROVE THE MARCH 7, 2018 MINUTES, SECONDED BY COMMISSIONER HAZELWOOD. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) COMMISSIONERS PRESENT.

6. Report on 2017 - 2018 Cloud Seeding Operations, and proposed operations for the upcoming water year - Frank McDonough, Desert Research Institute ("DRI").

Frank McDonough, DRI, reported on the preliminary results of the 2017 - 2018 cloud seeding efforts, and discussed proposed operations and funding alternatives for 2018 - 2019.

Chair DeMartini asked if the generators led to more snow than rain.

Mr. McDonough explained that the generators add only snow pack to the basin, and not rain, because of the specific conditions under which they are operated.

7. Report on 2018 Snow Pack and Water Supply - Bill Hauck, Truckee Meadows Water Authority (“TMWA”).

Commissioner Hauk reported on the 2018 snow pack and the regional water supply outlook. The region is no longer in any kind of drought. There was a significant recovery during the month of March in terms of snow pack and precipitation. Conditions improved from near record lows to close to average in one month. Streamflow runoff forecasts are projected to be close to normal. Reservoirs are at the maximum flood control capacity. Normal Truckee River flows are expected for another several years.

8. Report on TMWA’s fiscal year 2017 - 2018 Water Usage Review Program; discussion and possible recommendation to the Western Regional Water Commission (“WRWC”) regarding a scope of work and funding request in the amount of \$100,000 from the Regional Water Management Fund (“RWMF”) to continue the Program for fiscal year 2018 - 2019 and, possible direction to staff - Jim Smitherman, WRWC Water Resources Program Manager, and Laine Christman, TMWA. (For Possible Action)

Laine Christman, TMWA, reported on the 2017 - 2018 Water Usage Review Program and the proposed 2018 - 2019 program and budget. The program involves TMWA staff working with customers at their homes and businesses to advise them how to manage indoor and outdoor water use based on their specific site characteristics.

Chair DeMartini asked about the cost effectiveness of the program.

Commissioner Enloe stated that this is a highly effective program in the community, but that it is not fair to put a dollar amount per acre foot savings on this one program - because it is really only a part of the combination of all the efforts that this community does to promote efficient water usage.

Chair DeMartini agreed with Commissioner Enloe and stated that the effect of the program is really an indirect effect across the whole community, and there is really no way to measure that.

Commissioner Flansberg stated that this is a great program that promotes the efficient use of water in a proactive way.

COMMISSIONER FLANSBERG MADE A MOTION TO RECOMMEND TO THE WRWC APPROVAL OF THE SCOPE OF WORK AND FUNDING REQUEST FOR THE 2018 - 2019 WATER USAGE REVIEW PROGRAM IN THE AMOUNT OF \$100,000.00, SECONDED BY COMMISSIONER HAUCK. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) COMMISSIONERS PRESENT.

9. Program Manager’s Report – Jim Smitherman.

- A. Report on the status of projects and Work Plan supported by the RWMF;
- B. Financial Report on the RWMF for Fiscal Year 2017-2018.

Jim Smitherman, NNWPC Water Resources Program Manager, presented a brief overview of the staff reports included for this agenda item.

10. Discussion regarding possible agenda items for the May 2, 2018 NNWPC meeting, and other future meetings, and possible direction to staff – Jim Smitherman. (For Possible Action)

The next NNWPC meeting agenda will include reports on and possible continuation of ongoing projects.

No action was taken.

11. Commission Comments

None

12. Staff Comments

Mr. Smitherman reported that the WRWC approved the draft budget as recommended by the NNWPC.

Mr. Wessel thanked Commissioner Drinkwater for the tour of the Truckee Meadows Water Reclamation Facility (“TMWRF”) on Bring your Child to Work Day.

13. Public Comment

Ginger Pierce asked about the Mt. Rose surface water treatment plant.

Commissioner Enloe stated that TMWA plans to go out to bid on the construction of that project in about a month.

14. Adjournment (For Possible Action)

The meeting was adjourned at 2:18 p.m.

Respectfully submitted by Christine Birmingham.

Approved by:

Michael DeMartini, NNWPC Chair

APPROVED BY COMMISSION IN SESSION ON _____, 2018.

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 26, 2018

TO: Chairman and Members, Northern Nevada Water Planning Commission (“NNWPC”)

FROM: Chris Wessel, Water Management Planner
Pam Bedard, Certified Landscape Technician Program Administrator
Laine Christman, Resource Economist, Truckee Meadows Water Authority

SUBJECT: Review and possible approval of a scope of work and budget, not to exceed \$12,500 per year for two years from the Regional Water Management Fund (“RWMF”), for the Nevada Landscape Association (“NLA”) Certified Landscape Technician program; and, if approved, authorize the NNWPC Program Manager to execute an agreement with the NLA for that purpose.

SUMMARY

The NLA is submitting the attached proposal and requesting partial funding for the Certified Landscape Technician (“CLT”) testing program (the “CLT Program”) for fiscal years 2018-2019 and 2019-2020. The CLT Program has historically been funded, in part, through the RWMF, and is described in the 2016-2035 Regional Water Management Plan, *Chapter 7 - Water Conservation Plan - Efficient Use of Water; Section 7.5.10 Public Education* element. The request for funding, not to exceed \$12,500 per year for two years, is based on a two-year budget that reflects past program expenses since 2004.

The CLT Program provides best-practices landscaping training in 5 designated areas – irrigation (installation and maintenance), softscape (planting of trees), hardscape (installation of pavers, drainage, etc.), turf grass maintenance, and non-turf grass maintenance. The current CLT Program’s primary focus is on upkeep of existing systems, without specific emphasis on efficiency. This year, however, the University of Nevada Cooperative Extension (“UNCE”) and the NLA, with the support of the Truckee Meadows Water Authority (“TMWA”), will be offering the Qualified Water Efficient Landscaping program (the “QWEL Program”), which is slated to receive financial assistance under the Landscape Retrofit fund.

The QWEL Program is a step up from the CLT Program and is certified by the Environmental Protection Agency WaterSense Program. The QWEL Program’s focus is on how to design and install landscapes that are water-efficient, and the use of different kinds of irrigation systems. Landscapers learn about new irrigation technologies, how to calculate landscape water requirements based on ET rates, and how to schedule irrigation properly for different landscape zones (based on hydrozoning). Furthermore, the QWEL Program covers different kinds of irrigation controllers, how they work, and how to read water meters. Additionally, the course covers soils, mulches, proper plant selection, and landscape designs that work with the hydrology of the landscape. Finally, QWEL Program participants learn and must perform a landscape water audit. The participants complete their training with a 4-hour closed-book exam that is independently moderated and scored.

Pam Bedard, CLT Program Administrator, and Laine Christman, Resource Economist for TMWA, will provide a presentation on the CLT Program proposal and the QWEL Program at the May 2 meeting of the NNWPC.

BACKGROUND

The NLA brought the CLT Program to the region in 2003, through its association with the Professional Landscape Network (formerly Associated Landscape Contractors of America), as a way to raise the standards of the local landscape industry. Regional water planning support for the program began in 2005, based on a recommendation from the Regional Water Planning Commission's Advisory Committee on Conservation. The multi-module, practical exam is administered in a number of states and internationally. The CLT Program is widely accepted by the local industry, as shown by the long list of individuals and companies that have donated time and funding to support the program.

FISCAL IMPACT

Funding for the CLT Program was included in the RWMF budget for FY 2018-2019. Budget authority is located in Fund 7066, Account Number 710100, (WP310103).

RECOMMENDATION

Staff recommends approval of the request for \$25,000 from the RWMF to support the CLT Program in fiscal years 2018-2019 and 2019-2020, and authorization for the Program Manager to execute an agreement with the NLA for that purpose.

CW:jp

Attachments: Nevada Landscape Association Proposal

EXHIBIT “A”

Landscape Industry Certified- Technician Exam Nevada Landscape Association Scope of Work

The Landscape Industry Certified- Technician exam is a hands-on testing program administered in Nevada by the Nevada Landscape Association (NLA). NLA has joined forces with the National Association of Landscape Professionals (NALP) formerly, Professional Landcare Network (PLANET) to offer the Certification exam in Nevada. The exam was initially developed and organized by the California Landscape Contractors Association Certification Committee, and first administered in 1983. In 1984, PLANET’s predecessor, the Associated Landscape Contractors of America, purchased the rights to the exam and offered it to state associations. NLA purchased the rights to administer the exam in 2002 and conducted its first exam in 2003.

A critical component of the Certification exam is the Irrigation Module. This comprehensive module covers plan reading, automatic controller programming (including Evapotranspiration and water budgeting), troubleshooting and wiring, automatic and mechanical valve assembly, proper piping selection and fitting, drip systems, sprinkler selection and adjustment and more.

Certification ensures that industry personnel understand water use and efficiency, water conservation and proper techniques for installation and maintenance of irrigation components with an emphasis on responsible water resource management.

Objectives:

The objectives of the Landscape Industry Certified- Technician exam are to:

1. Promote responsible resource management including water conservation. **According to Truckee Meadows Water Authority, irrigation accounts for 53% of ALL water use from their customers.**
2. Enhance and recognize proficiency in the landscape professional workforce.
3. Provide the public a means of identifying qualified landscape professionals.

Project Evaluation:

Post-exam critique with Certification Committee and review of NALP Test Evaluator report.

Deliverables:

Prepare and deliver post-exam reports to Northern Nevada Water Planning Commission (NNWPC) by September 30, 2018. NLA will provide the NNWPC with a report and budget accounting for the 2018 Certification exam, and projections for the 2019 exam. This would include budget figures and give detail on what NNWPC Funds were used for and the number of candidates that tested, retested, passed or failed. A list of committee members, judges and sponsors will also be included for each test.

2018 - 2019 Exam Timeline and Activities:

December 2018

Prepare 2018 brochure and test application. Register test dates with Truckee Meadows Community College (TMCC), our test site, and NALP.

January 11, 2018 - NLA Conference and Trade Show / Written Test

Administrator will present an educational seminar at the Conference outlining the values of Certification and how to best prepare for the exam. Display booth at the Trade Show will display promotional videos, literature and test applications.

February 2018 – Training Seminars every Saturday

Classroom seminar to help potential Candidates prepare for the written portions of the exam. Practice test will allow potential Candidates to familiarize themselves with the hands- on exam components. Administer written exams.

March

Continue advertising campaign by distributing brochure and videos via email and fax. Initial contact with test sponsors. Meet with TMCC staff to plan practice test and deliver Liability Insurance form. Contact re-test Candidates.

April

April/ May edition of Landscape Nevada will include Certification stories as well as the brochure and application. Promotional videos will continue via email.

May / June– Certification Test Planning

Contact and secure sponsors, judges and volunteers. Order supplies, equipment, arrange for services (security, first aid, etc.) for test day. Continue advertising campaign.

July 28– Mock Field Test training offered

Classroom seminar to help potential Candidates prepare for the field portions of the exam. Practice test will allow potential Candidates to familiarize themselves with the hands- on exam components.

August 10- Test Site set- up

Certification trailer, rental units, equipment and refreshment area are delivered. Judge and Candidates Orientation held. Committee and Judges set up Hands- on testing modules to guarantee all the proper tools and materials are available. Candidates take written exam.

August 11– TEST DAY and test follow up

Committee arrives at 5:30 A.M., Judges 6:00 A.M. Candidate Registration begins at 6:15 A.M. Testing begins when all Candidates are registered and Judges are ready at their problems;

normally 7:00 A.M. Testing continues through the day until Candidates have completed all of their assigned problems. Several breaks are provided, along with refreshments and lunch. Test Evaluation forms filled out by Candidates and Judges. Committee debriefs. Record and verify test scores, notify candidates, mail certification cards, etc. Prepare and send report to NALP. Announce new Landscape Industry Certified- Technicians in association newsletter, invite to award event. Thank sponsors, judges, volunteers and committee.

September

Debrief with Certification Committee, determine if an additional test will be offered in 2018, and begin planning for 2019. Review budget changes, select new committee members, evaluate and report problems that would require test revision by NALP. Prepare deliverables for NNWPC.

October

Administrator attends NALP Certification Meeting.

November

New Certificates will be presented at the NLA Awards Banquet.

December

Prepare 2019 brochure and application.

Future of certification program:

The NLA is coordinating with TMWA and UNCE to provide a Qualified Water Efficient Landscaper (QWEL) certification. It's function is to certify individuals in Irrigation Audit. QWEL is approved by the United States Environmental Protection Agency (US EPA) WaterSense. At this time, there is no defined funding that the NLA may need for the program. The NLA Board of Directors have been anxiously waiting to announce the launch of the program. The hope is that we will have our first training, testing and QWEL certified individuals by the end of 2018.

**EXHIBIT “B”
Expenses/ Budget**

**Landscape Industry Certified- Technician Exam
Nevada Landscape Association**

Northern Nevada Water Planning Commission Funds will assist with overall expenses in the following program categories;

- Module supplies will need some increase; the test site needs some repairs.
- Additional training classes and a practice test, effectively doubling our costs for meals, supplies, rentals and staff.

| Income | Projected 2018 | Projected 2019 |
|-----------------------------|-----------------------|-----------------------|
| Candidates and Study Guides | \$ 6,500 | \$ 7,000 |
| Sponsorships and Donations | \$ 10,000 | \$ 10,815 |
| NNWPC Funding | \$ 12,500 | \$ 12,500 |
| Total Income | \$ 29,000 | \$ 30,315 |
| Expenses | \$ 29,000 | \$ 31,315 |
| Overall Total | \$ 0 | \$ 0 |

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 26, 2018

TO: Chairman and Members, Northern Nevada Water Planning Commission
("NNWPC")

FROM: Chris Wessel, Water Management Planner
Theresa Jones, Associate Civil Engineer, City of Reno

SUBJECT: Discussion and possible recommendation to the Western Regional Water Commission ("WRWC") for approval of a Seventh Amendment to the Interlocal Agreement ("ILA") with the City of Reno, in an amount not to exceed \$262,500 from the Regional Water Management Fund ("RWMF"), to support the Truckee Meadows Storm Water Quality Management Program for fiscal year 2018/2019.

SUMMARY

The Storm Water Permit Coordinating Committee ("SWPCC"), created by interlocal cooperative agreement in 1990 and led by the City of Reno, is charged with implementing the requirements of the National Pollutant Discharge Elimination System ("NPDES") permit issued jointly to the City of Reno, the City of Sparks, and Washoe County for storm water discharges to the Truckee River and its tributaries. At the request of the WRWC, this program has been funded from the RWMF since 2011, in an annual amount not to exceed \$262,500.

Theresa Jones, Associate Civil Engineer for the City of Reno, will provide a presentation regarding the Storm Water Quality Management Program and the funding proposal for Fiscal Year 2018/2019.

PREVIOUS ACTION

The WRWC has approved funding to reimburse expenses of the SWPCC and directed staff to include funding in the subsequent WRWC budget. The funding is intended to support the Storm Water Quality Management Program, including SWPCC activities related to the implementation of the water quality and storm water drainage provisions of the Comprehensive Regional Water Management Plan. The ILA for funding in an annual amount not to exceed \$262,500 has been extended by amendment each year since 2011.

RECOMMENDATION

Staff recommends that the NNWPC review the SWPCC annual funding proposal and make a recommendation to the WRWC for approval of a Seventh Amendment to the ILA with the City of Reno, in an amount not to exceed \$262,500, to support the Storm Water Quality Management Program for fiscal year 2018/2019.

CW:jp

Attachments: Storm Water Permit Program FY2018/2019 Proposal

ATTACHMENT 1
WESTERN REGIONAL WATER COMMISSION SUPPORTING TRUCKEE MEADOWS
STORM WATER QUALITY MANAGEMENT 2018-19*

1. Storm Water Quality

\$191,770

The SWPCC continues to implement the storm water quality monitoring program to meet current requirements of the NPDES Storm Water MS4 permit issued May 29, 2010. The committee implements the 2017 Sampling and Analysis Plan (Balance Hydrologics) with subsequent addenda incorporated. Item One includes a contract with Balance Hydrologics, Inc. for implementation of storm water sampling during storm events for the water year 2018-19 with the additional task of ambient monitoring activities. Hiring a consultant to assist with various activities that may occur throughout the fiscal year is included in this task along with the continued maintenance of a stream gage on the North Truckee Drain at Big Fish Drive. Task totals identified below do not include the cost sharing agreement with Nevada Department of Transportation (NDOT), whereby the NDOT pays 25% of the contract for activities of which NDOT contributes and benefits from.

1A. Water Quality Monitoring:

Balance Hydrologics will provide technical services for Storm Water Quality Monitoring Services, to include storm event captures and automation at tributary sites and outfalls to the Truckee River. Sampling within WY18 is underway and tasks will be completed in FY 18-19. Sampling for WY19 will be started in FY 19-20 and tasks will span into the following fiscal year.

Item 1.A: \$135,000

1B. Miscellaneous Storm Water Quality Management Consultant Services:

This item covers the various tasks that may be required throughout the fiscal year, providing a mechanism to hire a consultant to support items such as annual effectiveness assessments of the Storm Water Management Program (SWMP), loading model evaluations, loading estimates, evaluation of new permit ramifications, facilitation of watershed management activities and collaboration, and assistance with planning and coordinating the next steps of the update to the Watershed Management and Protection Plan for Tributaries to the Truckee River.

Item 1.B: \$40,000

1C. North Truckee Drain Stream Gage Maintenance:

The SWPCC intends to renew a Joint Funding Agreement with the United States Geological Survey (USGS) for stream gage maintenance and service on the North Truckee Drain (NTD) near Big Fish Drive. Three locations along the NTD are monitored annually as part of the storm water monitoring effort.

Item 1.C: \$11,770

1D. Field supplies/equipment/miscellaneous monitoring:

The SWPCC has aging field equipment that infrequently requires replacement. Additionally, as new sampling locations are added, additional monitoring equipment is required. This task is a placeholder for new equipment and unanticipated replacement needs for the monitoring program. This item also includes staff time for miscellaneous sampling, and analytical fees.

Item 1.D: \$5,000

2. Public Outreach and Technical Guidance **\$20,730**

The SWPCC continues implement the public outreach and education requirements of the Truckee Meadows MS4 permit. Activities include outreach to community groups such as KTMB and OTR, providing education and training to municipal operations and construction inspection staff, SWPPP training to contractors, providing educational materials and other aspects of the Storm Water Program Communications Plan.

3. Interlocal Coordination and Permitting Support **\$50,000**

The City of Reno will continue to provide coordination and administrative services, managing various consultant contracts to implement the program for the three partner agencies.

Total for WRWC Interlocal Agreement (The SWPCC appreciates the ability to expend funds between categories to make permit compliance) **\$262,500**

*The regional co-permittees compile an annual estimate of indirect costs expended on storm water quality management. A total for the region is provided on Attachment 2.

Direct and Indirect Expense Summary

**Storm Water Management Program
Budget and Expenditures
FY 2016-17**

The Truckee Meadows Stormwater Management Program was developed pursuant to Permit NVS000001 effective May 26, 2010.

Pertinent MS4 Permit Considerations:

V.C.3.k Annual expenditures for the reporting period, with a breakdown for the major elements of the SWMP, and the budget for the year following each Annual Report.

Items included in this Annual Report section:

Completed Financial FY 17 Questionnaires from City of Reno, City of Sparks and Washoe County

Agency Expenditure Summary:

| Agency/Fiscal Year | FY 2014-2015 | FY 2015-2016 | FY 2016-2017 |
|---------------------------|---------------------|---------------------|---------------------|
| City of Reno | \$ 3,473,376 | \$ 4,597,181 | \$ 3,298,535 |
| City of Sparks | \$ 1,451,120 | \$ 329,845 | \$ 750,766 |
| Washoe County | \$ 977,330 | \$ 1,325,476 | \$ 1,300,470 |
| SWPCC Budget | \$ 262,500 | \$ 262,500 | \$ 262,500 |
| Total Expenditures | \$ 6,164,326 | \$ 6,515,002 | \$ 5,612,271 |

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 26, 2018
TO: Chairman and Members, Northern Nevada Water Planning Commission
("NNWPC")
FROM: Jim Smitherman, Water Resources Program Manager
SUBJECT: Report on the Advanced Water Treatment Technologies Demonstration Project
being conducted by the University of Nevada, Reno ("UNR").

SUMMARY

In 2016, the Western Regional Water Commission ("WRWC") entered into a 4-year Interlocal Agreement ("ILA") with UNR to provide funding, in an amount not to exceed \$676,475, for the Advanced Water Treatment Technologies Demonstration Project. Work on the Project was initiated in late September 2016, and has progressed according to the attached Schedule.

Progress to date includes:

- Task 1, Project Rationale and Justification for Advanced Treated Recycled Water in the Truckee Meadows, draft report 99 percent complete
- Task 2, Critical Review of Technologies that can meet Nevada Division of Environmental Protection Regulations/ Requirements, draft report 99 percent complete
- Task 3, Basis of Design for the Demonstration Project, draft report 90 percent complete
- Task 4, Demonstration System Testing Plan, draft report 90 percent complete
- Task 5, Demonstration System Equipment Procurement and Installation, draft report 20 per cent complete

Krishna Pagilla, PhD, UNR's Principal Investigator for the Project, will present a PowerPoint report at the May 2 meeting of the NNWPC. The report will include progress to date, and activities planned for fiscal year 2018-2019.

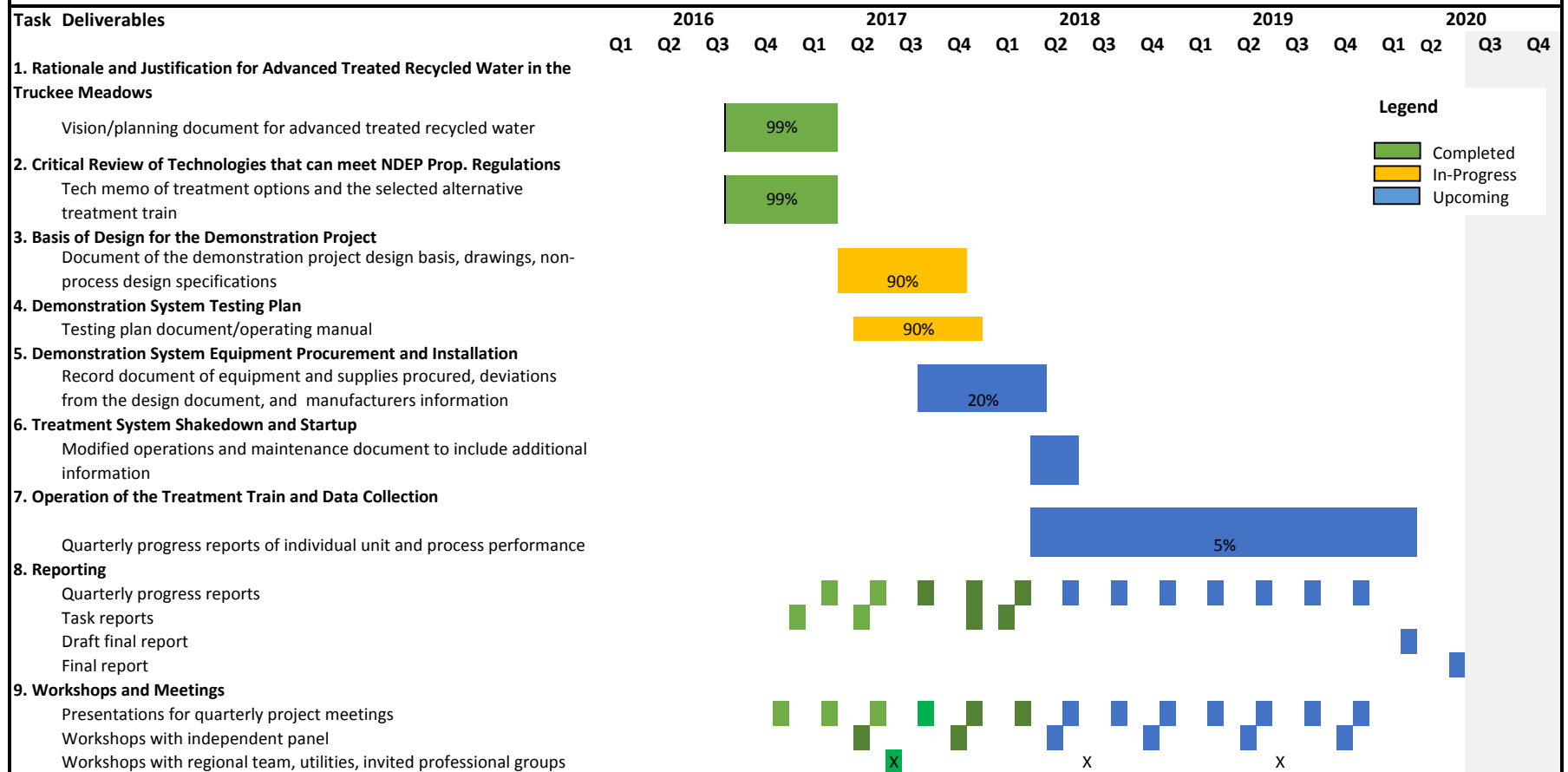
BACKGROUND

In July 2016, the NNWPC approved a proposal for the Advanced Water Treatment Technologies Demonstration Project, and recommended that the WRWC execute the ILA with UNR to fund the Project over a 4-year period. The WRWC approved the Project and funding in August 2016, and executed the ILA in October 2016. The ILA was amended in June 2017 to adjust certain Task completion dates and reallocate funding based upon the actual Project start date.

JS:jp

Attachment

Advanced Water Treatment Technologies Demonstration Project Schedule



Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 26, 2018
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Jim Smitherman, Water Resources Program Manager
SUBJECT: Program Manager's Report

Attached are updated reports for items (a) and (b) for your review.

- a) Report on the status of Projects and Work Plan supported by the RWMF; and
- b) Financial Report on the RWMF.

**Status Report of Projects and Work Plan
 Supported by the Regional Water Management Fund**

| Funds Ctr/ Project # | Project | Vendor | Orig.PO | Changes | Balance | Percent Complete | Start Date | End Date |
|-------------------------|--|----------------------------------|------------|-------------|------------|---------------------|------------|-----------|
| WP310002 | Acquisition of water rights | TRUCKEE MEADOWS WATER AUTHORITY | 99,976.82 | -37,986.21 | 61,990.61 | 38% | 5/16/2013 | 6/30/2018 |
| WP310008 | Precipitation"Can"Gauge Monit FY16-17 | BOARD OF REGENTS/DESERT RESEARCH | 12,000.00 | 0.00 | 12,000.00 | 0% | 9/29/2017 | 9/30/2018 |
| WP310101 | Water Usage Review Program FY 2017/18 | TRUCKEE MEADOWS WATER AUTHORITY | 100,000.00 | 0.00 | 100,000.00 | 0% | 7/1/2017 | 9/30/2018 |
| WP310102 | Washoe ET Program FY 2016-17 | BOARD OF REGENTS/DESERT RESEARCH | -- | -- | -- | 0% | 7/1/2017 | 9/30/208 |
| WP310111 | Certified Landscape Tech FY 2017/18 | NEVADA LANDSCAPE ASSOCIATION | 12,500.00 | 0.00 | 12,500.00 | 0% | 7/1/2016 | 6/30/2018 |
| WP310203 | Advanced Water Treatment Demo FY2016-19 | BOARD OF REGENTS, NSHE, obo UNR | 203,954.00 | -111,622.4 | 92,331.56 | 55% | 7/1/2017 | 9/30/2018 |
| WP310303 | TMeadws Storm Water Quality Prog FY17-18 | RENO, CITY OF | 262,500.00 | -189,291.45 | 73,208.55 | 72% | 7/1/2017 | 9/30/2018 |
| WP310305 | Watershed Mgmt Plan Update FY2017-2019 | RENO, CITY OF | 66,466.50 | -43,451.00 | 23,015.50 | 65% | 4/6/2017 | 10/6/2018 |
| WP310306 | Regional Storm Water GIS Map-Phase 1 | TRUCKEE MEADOWS REG PLAN AGENCY | 21,000.00 | -20,296.73 | 703.27 | 97% | 7/1/2017 | 3/31/2018 |

-- Indicates contracting in progress or project status being updated.

4/26/2018
Fund 766
Report 400/ZF15
Fiscal Year 2018; Period 11

**Financial Report on the
Regional Water Management Fund**

| Accounts | Plan Budget | Actual (Revenue & Expenses) | PO Commit (Remaining PO Balance) | Actual + PO | Available (Budget Minus Actual + PO) | Avail% | PreCommit (PO's Requested) | Available (Budget Minus PO Requisitions) | Avail% |
|------------------------|-------------------|-----------------------------|----------------------------------|-------------------|--------------------------------------|------------|----------------------------|--|------------|
| State Grants | 40,000.00- | | | | 40,000.00- | 100- | | 40,000.00- | 100- |
| * INTERGOVERNMENTAL | 40,000.00- | | | | 40,000.00- | 100- | | 40,000.00- | 100- |
| Interest-Pooled Inv. | 25,195.37- | 14,273.44- | | 14,273.44- | 10,921.93- | 43- | | 10,921.93- | 43- |
| RGL Pooled Inv. | | 453.60- | | 453.60- | 453.60 | | | 453.60 | |
| Water Surcharge 1.5% | 1,394,568.00- | 1,259,519.14- | | 1,259,519.14- | 135,048.86- | 10- | | 135,048.86- | 10- |
| * MISCELLANEOUS | 1,419,763.37- | 1,274,246.18- | | 1,274,246.18- | 145,517.19- | 10- | | 145,517.19- | 10- |
| ** REVENUE | 1,459,763.37- | 1,274,246.18- | | 1,274,246.18- | 185,517.19- | 13- | | 185,517.19- | 13- |
| Professional Services | 1,574,926.00 | 617,946.76 | 393,510.23 | 1,011,456.99 | 563,469.01 | 36 | | 563,469.01 | 36 |
| WRWC Staff & Legal | 521,591.00 | 353,419.83 | 36,000.00 | 389,419.83 | 132,171.17 | 28.76 | | 132,171.17 | 28.76 |
| Fin Consult Services | 10,000.00 | 8,700.00 | | 8,700.00 | 1,300.00 | 13 | | 1,300.00 | 13 |
| Invest Pool Alloc Ex | | 627.52 | | 627.52 | 627.52- | | | 627.52- | |
| Pmts to O Agencies | 100,000.00 | 37,986.21 | 61,990.61 | 99,976.82 | 23.18 | 0 | | 23.18 | 0 |
| Seminars and Meetings | 1,000.00 | 215.25 | | 215.25 | 784.75 | 78 | | 784.75 | 78 |
| Support Service - Reim | 25,001.28 | 7,486.14 | | 7,486.14 | 17,515.14 | 70 | | 17,515.14 | 70 |
| Advertising | 1,000.00 | 336.00 | | 336.00 | 664.00 | 66 | | 664.00 | 66 |
| Undesignated Budget | 20,000.00 | | | | 20,000.00 | 100 | | 20,000.00 | 100 |
| Insurance Premium | | 3,780.00 | | 3,780.00 | 3,780.00- | | | 3,780.00- | |
| Combined Utilities | 400.00 | 333.30 | | 333.30 | 66.70 | 17 | | 66.70 | 17 |
| Travel | 1,000.00 | | | | 1,000.00 | 100 | | 1,000.00 | 100 |
| Equipment nonCapital | | 939.00 | | 939.00 | 939.00- | | | 939.00- | |
| Overhead | 70,008 | 58,513 | | 58,513 | 11,495 | 75 | | 11,495 | 75 |
| ** EXPENDITURES | 2,324,926.00 | 1,090,282.93 | 491,500.84 | 1,581,783.77 | 743,142.23 | 32 | | 743,142.23 | 32 |
| *** Total | 865,162.63 | 183,963.25- | 491,500.84 | 307,537.59 | 557,625.04 | 64- | | 557,625.04 | 64- |