

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

Wednesday, November 2, 2016

1:30 p.m.

Please Note Location Change:
Sparks Council Chambers, Legislative Building
745 Fourth St., Sparks, 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 "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. 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) 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: <http://www.nnwpc.us> and the State of Nevada Website: <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 September 7, and October 5, 2016, meetings. **(For Possible Action)**
5. Discussion regarding necessary additions to the "Cost and Financing" chapter of the 2016 Regional Water Management Plan ("RWMP") update; possible approval of funding not to exceed \$1,000 from the Regional Water Management Fund ("RWMF") for Hansford Economic Consulting to complete the revisions; and, if approved, authorize the Program Manager to execute a purchase order for that purpose – Jim Smitherman, NNWPC Water Resources Program Manager. **(For Possible Action)**.
6. Presentation of the final draft "Wastewater and Watershed-based Water Quality Planning" chapter, incorporating comments received to date, for inclusion in the 2016 RWMP update; discussion and possible direction to staff – Jim Smitherman. **(For Possible Action)**

Northern Nevada Water Planning Commission Agenda for November 2, 2016

7. Discussion and possible direction to staff regarding review and possible revisions to the “Issues and Action Plan” chapter for inclusion in the 2016 RWMP update – Jim Smitherman. **(For Possible Action)**
8. Discussion and possible direction to staff regarding any chapters of the RWMP previously reviewed by the NNWPC in relation to the 2016 RWMP update – Jim Smitherman. **(For Possible Action)**
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.
10. Discussion regarding location and possible agenda items for the December 7, 2016 NNWPC meeting, and other future meetings, and possible direction to staff – Jim Smitherman. **(For Possible Action)**
11. Commission comments. *
12. Staff comments. *
13. Public Comments. * (Three-minute time limit per person.)
14. Adjournment. **(For Possible Action)**

*Indicates a non-action item

DRAFT MINUTES
NORTHERN NEVADA WATER PLANNING COMMISSION

Wednesday, September 7, 2016

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

The meeting was called to order by Chairman Flansberg at 1:32 p.m.

1. Roll Call and Determination of Presence of a Quorum

Voting Members Present: John Flansberg, Danielle Henderson, Michael DeMartini, Michael Drinkwater, John Enloe, Mickey Hazelwood, Darrin Price, David Solaro, and John Zimmerman

Voting Members Absent: Bill Hauck and John Martini

Non-Voting Members Present: Cindy Turiczek

Non-Voting Members Absent: My-Linh Nguyen, Thomas Pyeatte, and Harry Fahnestock

Staff Members Present: Jim Smitherman; Chris Wessel; Donna Fagan; and John Rhodes, Legal Counsel

2. Public Comment

None

3. Approval of Agenda (For Possible Action)

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

4. Approval of Minutes from the August 3, 2016, Meeting (For Possible Action)

Two typos were noted and will be corrected.

COMMISSIONER ZIMMERMAN MADE A MOTION TO APPROVE THE AUGUST 3, 2016, MINUTES AS AMENDED, SECONDED BY COMMISSIONER ENLOE. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) MEMBERS PRESENT.

5. Recognition of former Commissioner George Ball for his many years of service on the NNWPC, and contributions to regional water resource planning.

The letter of recognition was read into the record and Chairman Flansberg presented Mr. Ball with a plaque expressing appreciation for his years of service.

6. Consent Items

- A. Possible recommendation to the Western Regional Water Commission ("WRWC") for a no cost six month extension of time to the Interlocal Agreement ("ILA") with Washoe County for the project entitled "Septic Nitrate Baseline Data and Risk Assessment Study, Phase II: In-Depth Analysis of Prioritized Study Areas, Creation of Baseline Data Set, and Risk Assessment" ("Phase II Study"), to allow

for completion of the final report; and possible direction to staff – Chris Wessel, NNWPC Water Management Planner. **(For Possible Action)**

- B. Possible approval of a no cost three month extension of time to the Contract with the Desert Research Institute (“DRI”) for the project entitled “Linear Programming for distribution Optimization”, to allow for completion of the project; and if approved, authorize the Program Manager to execute a Second Amendment to the Contract for that purpose; possible direction to staff – Jim Smitherman, NNWPC Water Resources Program Manager. **(For Possible Action)**

COMMISSIONER SOLARO MADE A MOTION TO APPROVE THE CONSENT AGENDA, SECONDED BY COMMISSIONER ENLOE. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) MEMBERS PRESENT.

7. Report by the Desert Research Institute ("DRI") on its Cloud Seeding Operations for the Truckee River and Lake Tahoe Basins for the past water year, and efforts to secure funding from other cloud seeding beneficiaries; discussion and possible recommendation to the WRWC for funding in an amount not to exceed \$100,000 from the Regional Water Management Fund (“RWMF”) to support similar Cloud Seeding Operations for the upcoming water year – Frank McDonough, DRI. (For Possible Action)

Frank McDonough presented an update on the Cloud Seeding Operations for the past water year and future plans for Water Year 2017. He also discussed alternative funding possibilities.

There was discussion regarding the Cloud Seeding Program Advisory Board mentioned in the staff report.

Mr. Smitherman explained that the advisory board mentioned in the staff report is from several years ago when the project was first started, before Mr. McDonough was involved with the program. The Advisory Board's identity may have been lost a bit from the beginning of funding for the project, but there is now a multi-jurisdictional state-wide consortium of water users that have been lobbying the legislature to reinstate the funding for the state program.

Commissioner Drinkwater expressed concern regarding the ambiguity of who might be on the Advisory Board referenced in the staff report because the NNWPC has routinely expressed interest in having DRI develop other partners to fund this activity.

Commissioner Price confirmed for Chairman Flansberg that he has asked this same question every year since DRI has requested funding for this program.

Mr. McDonough confirmed that they are always looking to lighten the financial load locally and they are talking to potential stakeholders. He added that there may be some limitation with getting the ski industry involved because they wouldn't be interested in anything that doesn't put snow on the ski hill. That means DRI may have to limit the temperature ranges a little bit, whereas now they are not concerned about that. Mr. McDonough stated that he feels confident in possible funding from the state program.

Commissioner Price suggested having staff assist DRI with their legislative experience and connections.

Commissioner Enloe asked about the funding they have received from the Governor's Office on Economic Development.

Mr. McDonough stated that DRI received \$100,000 and he explained that their job was to define flight paths for a drone and validation methodologies. DRI is taking advantage of the research money that became available and is using it the best they can.

Commissioner Enloe explained that his point in bringing that up was to point out that there are other funds being used that will be beneficial to this program.

Chair Flansberg stated that his disappointment is that every year the NNWPC has been very specific with the DRI presenters about the desire to see additional partners. He also noted that the NNWPC has not been presented with specific information regarding contacts that have been made in an effort to secure additional funding sources and the results of those contacts.

COMMISSIONER ENLOE MADE A MOTION TO ACCEPT THE REPORT AND APPROVE FUNDING IN THE AMOUNT OF \$100,000 WITH THE COMMENT THAT THE TRUCKEE MEADOWS WATER AUTHORITY (“TMWA”) IS ALL IN WITH \$210,000 IN SUPPORT OF IT, SECONDED BY COMMISSIONER PRICE. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) MEMBERS PRESENT.

8. Presentation of comments received on the “Wastewater and Watershed-Based Water Quality Planning” chapter for the 2016 Regional Water Management Plan (“RWMP”) update; discussion and possible direction to staff – Jim Smitherman. (For Possible Action)

Since the last presentation of this chapter to the NNWPC, staff has incorporated comments concerning Sections 4.1 Wastewater Service Providers; 4.2 Water Reclamation Facilities; 4.4 Septic Systems; and 4.6.2 Truckee River total Maximum Daily Loads. Recommended revisions resulting from comments received are shown as redlined edits and are included in the meeting packet.

COMMISSIONER PRICE MADE A MOTION TO ACCEPT THE REPORT, SECONDED BY COMMISSIONER ENLOE. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) MEMBERS PRESENT.

9. Presentation of comments received on the “Population Forecast and Projections of Water Demand, Peak Day Requirements and Wastewater Flow” chapter for the 2016 RWMP update; discussion and possible direction to staff – Jim Smitherman. (For Possible Action)

Since the last presentation of this chapter to the NNWPC, staff has incorporated comments concerning the Introduction and Sections: 6.1 Comparison of the Consensus Population Forecast and the Estimated Population that can be Supported by the Sustainable Water Resources in the Planning Area; and 6.2 Projections of Water Demand, Peak Day Requirements and Wastewater Flow for Service Areas. Recommended revisions resulting from comments received are shown as redlined edits and are included in the meeting packet.

COMMISSIONER ZIMMERMAN MADE A MOTION TO ACCEPT THE REPORT, SECONDED BY COMMISSIONER DRINKWATER. THE MOTION CARRIED UNANIMOUSLY WITH NINE (9) MEMBERS PRESENT.

10. Presentation of final draft chapters incorporating comments received to date on the following topics for inclusion in the 2016 RWMP update:

- **Regional Planning Policies and Criteria;**
- **Water Resources;**
- **Flood Management and Storm Water Drainage;**

- **Water Conservation;**
- **Costs and Financing; discussion and possible direction to staff – Jim Smitherman. (For Possible Action)**

The five RWMP 2016 update chapters listed above are available in final draft form (i.e. without redline edits) at the following website, <http://www.wrwc.us/draft.html>.

[Commissioner Solaro absent at 2:29 p.m.]

COMMISSIONER ENLOE MADE A MOTION TO ACCEPT THE FINAL DRAFT CHAPTERS TO DATE, SECONDED BY COMMISSIONER PRICE. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

11. Discussion and possible direction to staff regarding any chapters of the RWMP previously reviewed by the NNWPC in relation to the 2016 RWMP update – Jim Smitherman. (For Possible Action)

No action was taken.

12. 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

Mr. Smitherman presented the report. There were no questions or comments on this item.

13. Discussion regarding possible agenda items for the October 5, 2016, NNWPC meeting, and other future meetings, and possible direction to staff – Jim Smitherman. (For Possible Action)

Possible future agenda items will include:

- Recognition for Commissioner Erwin
- Proposal for development of a watershed management plan
- Proposal for outside help formatting and editing the content of the RWMP
- Review of changes to the RWMP update; and any other standing items.

No action was taken.

14. Commission Comments

None

15. Staff Comments

Mr. Smitherman reported on actions taken by the WRWC at their August 21, 2016, meeting including approval of the schedule for adopting the RWMP. A final draft will be ready for review at by the NNWPC at the October 5, 2016, meeting with a public hearing scheduled for November 2, 2016, for the NNWPC to recommend adoption by the WRWC. November and December will be the public review period with a target date for adoption at the December 21, 2016, WRWC meeting.

The WRWC also gave staff direction not to seek any legislation in the upcoming session that would dissolve or change the governance of the WRWC.

16. Public Comment

None

17. Adjournment (For Possible Action)

COMMISSIONER ZIMMERMAN MADE A MOTION TO ADJOURN AT 2:44 P.M., SECONDED BY COMMISSIONER ENLOE. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

Respectfully submitted by Christine Birmingham.

Approved by:

John Flansberg, Chairman

APPROVED BY COMMISSION IN SESSION ON _____, 2016.

DRAFT

DRAFT - MINUTES
NORTHERN NEVADA WATER PLANNING COMMISSION

Wednesday, October 5, 2016

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

The meeting was called to order by Chairman Flansberg at 1:30 p.m.

1. Roll Call and Determination of Presence of a Quorum

Voting Members Present: John Flansberg, Danielle Henderson, Michael Drinkwater, John Enloe, Bill Hauck, Mickey Hazelwood, John Martini, John Zimmerman

Voting Members Absent: Michael DeMartini, Darrin Price, David Solaro

Non-Voting Members Present: None

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

Staff Members Present: Jim Smitherman; Chris Wessel; Donna Fagan; and John Rhodes, Legal Counsel

2. Public Comment

Cathy Brandhorst spoke on various topics.

3. Approval of Agenda (For Possible Action)

COMMISSIONER MARTINI MADE A MOTION TO APPROVE THE AGENDA, SECONDED BY COMMISSIONER ENLOE. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

4. Approval of Minutes from the September 7, 2016, Meeting (For Possible Action)

Commissioner Drinkwater noted that the minutes for the Cloud Seeding item are neutral and do not capture his displeasure with the program.

COMMISSIONER DRINKWATER MADE A MOTION TO AMEND THE SEPTEMBER 7, 2016, MINUTES TO INCLUDE INDIVIDUAL COMMENTS MADE BY COMMISSIONERS ON ITEM 7 (CLOUD SEEDING PROGRAM) , SECONDED BY COMMISSIONER ENLOE. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

5. Recognition of former Commissioner John Erwin for his many years of service on the NNWPC, and contributions to regional water resource planning.

The letter of recognition was read into the record and Mr. Erwin was presented with a plaque expressing appreciation for his years of service.

6. Review and possible approval of a proposal for word processing and editing services for the 2016 Regional Water Management Plan ("RWMP") update, not to exceed \$25,000 from the Regional Water Management Fund, and, if approved, authorize the Program Manager to execute an agreement with Stantec Consulting Services, Inc. for that purpose – Jim Smitherman, NNWPC Water Resources Program Manager. (For Possible Action)

Jim Smitherman reviewed the staff report and requested approval of the proposal.

Public Comment: Cathy Brandhorst spoke on various topics.

Commissioner Drinkwater stated that he does not know how to relate Mr. Johnson's title of Senior Associate with the levels shown in the fee schedule. He does not know how to break it down and anticipate how much effort may be required by Mr. Johnson versus staff and if the dollar amount makes sense. He asked that in the future we take a look at that.

COMMISSIONER DRINKWATER MADE A MOTION TO APPROVE AS PRESENTED, SECONDED BY COMMISSIONER ZIMMERMAN. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

7. Presentation of comments received on the "Wastewater and Watershed-based Water Quality Planning" chapter for the 2016 RWMP update; discussion and possible direction to staff – Jim Smitherman. (For Possible Action)

Public Comment: Cathy Brandhorst spoke on various topics.

Mr. Smitherman reviewed the staff report regarding comments that have been incorporated since the last presentation of this chapter at the August 3, 2016, NNWPC meeting.

COMMISSIONER HAUCK MADE A MOTION TO APPROVE THE CHANGES AS PRESENTED, SECONDED BY COMMISSIONER ENLOE. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

8. Presentation of the final draft "Water Purveyors" chapter, incorporating comments received to date, for inclusion in the 2016 RWMP update; discussion and possible direction to staff - Jim Smitherman. (For Possible Action)

Chris Wessel, NNWPC Water Management Planner, reviewed the staff report and stated that the final draft of the "Water Purveyors" chapter is now available at the following website: <http://www.wrwc.us/draft.html>.

COMMISSIONER ZIMMERMAN MADE A MOTION TO ACCEPT THE REPORT, SECONDED BY COMMISSIONER MARTINI. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

9. Discussion and possible direction to staff regarding any chapters of the RWMP previously reviewed by the NNWPC in relation to the 2016 RWMP update – Jim Smitherman. (For Possible Action)

No action was taken.

10. Program Manager's Report – Jim Smitherman.

- A. Report on the status of projects and Work Plan supported by the Regional Water Management Fund ("RWMF")
- B. Financial report on the RWMF

Mr. Smitherman presented the staff report. There were no questions or comments on this item.

11. Discussion regarding possible agenda items for the November 2, 2016, NNWPC meeting, and other future meetings, and possible direction to staff – Jim Smitherman. (For Possible Action)

Mr. Smitherman stated that the November NNWPC meeting will be held in the Sparks Chambers. Mr. Smitherman will poll the Commissioners to determine if a larger facility will be needed.

Possible future agenda items will include:

- Proposal for development of a watershed management plan
- Review of changes to the RWMP update; and any other standing items.

COMMISSIONER ENLOE MADE A MOTION TO ACCEPT STAFF RECOMMENDATION REGARDING THE NOVEMBER NNWPC MEETING AND FUTURE AGENDA ITEMS, SECONDED BY COMMISSIONER MARTINI. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

12. Commission Comments

Commissioner Henderson stated that November 13 through 19 is the 2016 Flood Awareness Week. A variety of events are planned throughout Nevada and in the Truckee Meadows there will be a public outreach event at the Meadowood Mall on Saturday, November 19, 2016. The group is also planning to have a float at the Nevada Day Parade on October 29, 2016.

Chair Flansberg asked about the schedule for the public comment period of the RWMP. Mr. Smitherman stated that he is expecting the public review process to be after the first of the year in January 2017.

13. Staff Comments

None

14. Public Comment

Cathy Brandhorst spoke on various topics.

15. Adjournment (For Possible Action)

COMMISSIONER ENLOE MADE A MOTION TO ADJOURN AT 2:40 P.M., SECONDED BY COMMISSIONER DRINKWATER. THE MOTION CARRIED UNANIMOUSLY WITH EIGHT (8) MEMBERS PRESENT.

Respectfully submitted by Christine Birmingham.

Approved by:

John Flansberg, Chairman

APPROVED BY COMMISSION IN SESSION ON _____, 2016.

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: October 26, 2016
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Jim Smitherman – Water Resources Program Manager
SUBJECT: Discussion regarding necessary additions to the “Cost and Financing” chapter of the 2016 Regional Water Management Plan (“RWMP”) update; possible approval of funding not to exceed \$1,000 from the Regional Water Management Fund (“RWMF”) for Hansford Economic Consulting (“HEC”) to complete the revisions and, if approved, authorize the Program Manager to execute a purchase order for that purpose.

SUMMARY

Staff has received additional comments on the 2016 RWMP update Costs and Financing chapter that will require some of the cost estimate tables to be recalculated and text to be edited. HEC has estimated that the required tasks can be completed for less than \$1,000. For relatively simple and low-cost services, the Program Manager is able to request a purchase order with a brief description of the work to be performed. The revisions are anticipated to be completed within one month.

FISCAL IMPACT

Funding for the 2016 RWMP update was included in the RWMF budget in the “RWMP update” budget category for FY 2016-2017. Budget authority is located in Fund 7066, under Cost Center WP310605.

RECOMMENDATION

Staff recommends that the NNWPC approve funding not to exceed \$1,000 from the RWMF for HEC to complete revisions to the Cost and Financing chapter and, if approved, authorize the Program Manager to execute a purchase order for that purpose.

JS:df

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: October 26, 2016

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

FROM: Jim Smitherman, NNWPC Water Resources Program Manager

SUBJECT: Presentation of the final draft "Wastewater and Watershed-based Water Quality Planning" chapter, incorporating comments received to date, for inclusion in the 2016 Regional Water Management Plan ("RWMP") update; discussion and possible direction to staff.

SUMMARY

In addition to the six RWMP 2016 update chapters provided to the NNWPC in September and October, the Wastewater and Watershed-based Water Quality Planning chapter is now available in final draft form (i.e. without redline edits) at the following website: <http://www.wrwc.us/draft.html>. This chapter incorporates comments received to date along with draft graphics. Staff anticipates that the content, general organization and informational flow will not change significantly from their present state. However, final review for spelling, grammar, and consistent use of terminology, acronyms, references, section numbers, figure numbers and other non-substantive matters has not yet been completed.

RECOMMENDATION

Staff recommends that the NNWPC accept the final draft Wastewater and Watershed-based Water Quality Planning chapter for inclusion in the draft RWMP 2016 update, pending final editorial review, and provide direction to staff as appropriate.

JS:df

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: October 26, 2016
TO: Chairman and Members,
FROM: Chris Wessel, WRWC Water Management Planner
Jim Smitherman, WRWC Program Manager
SUBJECT: Discussion and possible direction to staff regarding review and possible revisions to the “Issues and Action Plan” chapter for inclusion in the 2016 Regional Water Management Plan (“RWMP”) update.

SUMMARY

The last chapter for review as part of the 2016 RWMP update is Chapter 9 -- Issues and Action Plan. This chapter identifies current and future issues which will likely require action during the 5-year planning horizon. The following are the action items identified in the 2011-2030 RWMP which are presented for your review. Staff has conducted a cursory review and our proposed changes are identified as red-line edits. Elements highlighted in gray need a review and status update by the appropriate entity. Staff is looking for input and comments from the Commission as to additions, deletions and/or modifications to the proposed action items identified below.

2011-2030 Proposed Action Items

9.1 Municipal Water Resources

9.1.1 Central Truckee Meadows

~~9.1.1.A Negotiated Settlement (TROA) – The signatory parties are in the process of completing the necessary steps to implement TROA.~~

9.1.1.B Drought Standard – The NNWPC continues to recommend the use of the 9-Year Drought Cycle, and revise it if necessary during the next update of this Plan.

9.1.1.C Water Supply Development – TMWA ~~and Washoe County~~ will continue to pursue water supply projects that are economically feasible and that can be implemented to ensure water supplies are available, as future demands require.

~~9.1.1.D Participate in Bureau of Reclamation (“BOR”) climate change study for the Truckee River watershed expected to commence in 2011.~~

9.1.1.E Participate in the Desert Research Institute (“DRI”) cloud seeding program for the Lake Tahoe basin and the Truckee River basin, and coordinate with DRI’s efforts to continue the cloud seeding program statewide ~~and reinstate state funding.~~

9.1.1.F Adopt TMWA’s 2035 Water Resource Plan into the 2011 Regional Water Plan.

9.1.2 South Truckee Meadows

9.1.2.A Develop tributary creek water for municipal supply by way of local treatment and continue options for the tributary creek water exchange program.

9.1.2.B Support TMWA's development of a plan to mitigate future groundwater level declines and potential impacts to domestic wells.

9.1.3 Stead / Lemmon Valley

9.1.3.A WCDWR and TMWA should develop a facility and financing plan for the required distribution system infrastructure in Lemmon Valley, including improvements necessary to integrate and utilize the Fish Springs water supplies for existing and future customers.

9.1.4 Cold Springs

9.1.4.A A facility plan needs to be completed for the build-out of approved land uses in the Cold Springs portion of the TMSA, including conjunctive use and system integration options with Utilities Inc.

9.1.4.B A comprehensive water resource plan needs to be prepared for Cold Springs and portions of the Long Valley hydrographic basin to estimate the perennial yield for the Water Baseline Table and the 2035 Regional Water Balance.

9.1.5 Spanish Springs

9.1.5.A Develop a long-term groundwater management strategy. Stakeholders include TMWA, the Sky Ranch Water Company, City of Sparks, domestic well owners, the Red Hawk Golf Course, Granite, Sha-Neva and Donovan quarry owners and other water rights owners.

9.1.5.B Monitor groundwater pumping and aquifer water levels to avoid long-term over-pumping. Use Truckee River water resources to help support demand and mitigate water quality issues.

9.1.5.C Continue implementing phased conversion of areas with high densities of septic tanks to community sewer system as funding is made available.

~~9.1.6 Lower Truckee River~~

~~9.1.6.A Update the Water and Wastewater Facility Plans for East Truckee Corridor that includes analysis of the current development proposals and approved development potential within the Truckee Meadows Service Areas boundary.~~

~~9.1.6.B Coordination with Storey County regarding existing commitments and future potential demands for the entire Tracy Segment hydrographic basin.~~

~~9.1.6.C Development of a position statement regarding construction of surface water treatment facilities in the Lower Truckee River.~~

9.1.7 Groundwater Resource Development and Impact to Domestic Wells

9.1.7.A TMWA is continuing with the programmatic mitigation program to satisfy domestic well mitigation issues

9.2 Water Conservation

9.2.A Continued implementation of conservation measures to achieve Base Case conservation.

9.3 Wastewater Management

9.3.A Continue support for proposed changes to State reclaimed water regulations to include criteria for exceptional quality reclaimed water and provide for aquifer recharge and indirect potable reuse; and if approved, provide support for the development of implementation guidelines.

9.3.B Continue development of near-term regional manage effluent strategies and a framework for an updated regional effluent management master plan.

9.3.C Continue collaboration with regional and national experts to study and develop advanced treatment technologies and undertake geotechnical investigations consistent with State regulations and regional effluent management strategies.

9.3.1 Central Truckee Meadows

~~9.3.1.A Continue Third Party review of the 1994 nutrient TMDLs and applicable WQS in coordination with state and federal regulatory authorities, and the PLPT's water quality and quantity goals, to demonstrate that continued discharge to the Truckee River from TMWRF is an environmentally sound practice.~~

~~9.3.1.B Continue technical, modeling and legal work to support the TMDL and WQS review and discussions with NDEP and EPA.~~

~~9.3.1.C Continue working with the Third Parties to facilitate public outreach, in consultation with NDEP and EPA, and obtain input from affected stakeholders at key decision points in the TMDL and WQS review and revision process.~~

9.3.1.A Continue development of near-term regional strategies to manage effluent and reduce nitrogen loading to the Truckee River, which may include expanded distribution of effluent outside the TMSA, and expanded uses which may include aquifer recharge and indirect potable reuse.

9.3.1. B Pursue connection of additional reclaimed water users to the existing systems in Sparks and Reno, consistent with regional water quality and water rights considerations, and continue investigating the feasibility of expanded uses of reclaimed water.

9.3.1. C Continue evaluating the merits of regional integrated solutions between TMWRF and STMWRF for wastewater treatment, and effluent reuse and disposal of wastewater.

9.3.2 South Truckee Meadows

9.3.2.A Actively pursue a new reclaimed water strategy to continually balance the increasing supply with available storage capacity and demand. Alternative reuse methods should be explored in detail, in coordination with NDEP, such as reclaimed water aquifer recharge storage and recovery ("ASR") and cooling water for energy generation facilities.

9.3.2.B In regard to the potential regional implications of reclaimed water aquifer recharge ASR and indirect potable reuse, it is recommended that the Reno-Stead ozone-biological activated carbon ("BAC") treatment pilot plant feasibility evaluation be continued at STMWRF to more fully optimize the technology.

9.3.2.C As discussed in Section 9.3.1, continue evaluating the merits of regional integrated solutions between TMWRF and STMWRF for wastewater treatment, effluent reuse and disposal of wastewater, including funding considerations.

9.3.3 Stead / Lemmon Valley

9.3.3.A Continue to evaluate the merits of regional integrated solutions between RSWRF and CSWRF for **wastewater** treatment, and **reuse and** disposal of **effluentwastewater**, including funding considerations.

9.3.3.B Continue to work with NDEP on proposed **amendments to the reclaimed water** regulations, including additional groundwater modeling assessments of aquifer storage and recovery capacity for long-term viability, and establishing appropriate water quality standards for the protection of water resources, public health and the environment.

9.3.4 Cold Springs

9.3.4.A Continue to evaluate the merits of regional integrated solutions between CSWRF and RSWRF for **wastewater** treatment, and **reuse and** disposal of **effluent**, including funding considerations.

9.3.4.B Update and refine the existing **Washoe County Utilities (“WCU”)** groundwater model for Cold Springs to address interrelated groundwater, surface water and wastewater issues.

9.3.5 Lower Truckee River

9.3.5.A As this area of Sparks and Storey County continues to grow, it will be important to monitor groundwater and surface water quality to check for non-point source pollutants entering the Truckee River.

9.3.5.B Revisit discussions among Washoe County, PLPT, and the City of Fernley to seek an area-wide water and wastewater strategy for lower Truckee River users.

9.3.6 Septic Systems and Water Quality

9.3.6.A **Continue to provide guidance as needed to septic system and domestic well owners on septic system maintenance, and how to manage/mitigate domestic well water with elevated levels of nitrate.**

9.4 Truckee Meadows NPDES Storm Water Discharge Permit

9.4.A Continued SWPCC communication with NDEP is necessary **to address any changes/updates to the NPDES permit**

9.4.B **Support the update of the Watershed Management Plan, and State approval, such that it can be used to apply for 319h grant funding for future watershed projects.**

9.5 Integrated Use of Water Rights

9.5.A Continue the implementation of *TROA* and related agreements. Compare the water demand and water right recovery estimates to future conditions imposed by *TROA* and related agreements.

9.5.B Continue the water rights recovery program to convert inactive Truckee River water rights to beneficial use and update the water right status and demand projections regularly.

9.5.C **Continue ~~Finalize and~~ implementing recommendations developed from the potential consolidated management of TMWA and WCDWR water rights and water resources.**

9.5.D Continue the analysis and development of non-structural measures to improve Truckee River water quality, enable increased TMWRF discharges, and ensure the future sustainability of the river.

9.5.E Quantify groundwater and surface water resources and determine the feasibility of conjunctive use or other programs, including but not limited to expanded recharge projects, use of Fish Springs Ranch water supplies, and conversion of tributary water rights to M&I water supply and other beneficial uses.

9.5.F Develop cooperative management strategies among local governments, reclaimed water providers and water purveyors that maximize the benefits of available reclaimed water resources.

9.5.G Monitor existing and future water demand and planning area growth projections, and develop plans to resolve any major discrepancies in consideration of available water resources and geographic constraints.

9.6 Water Resources and Land Use Planning

9.6.A Continue working with TMRPA staff to strengthen appropriate linkages between the *Regional Plan* and the *Regional Water Plan*

9.6.B Review areas within the TMSA boundary for gaps in facility planning and develop a plan to respond to changes in land use and the TMSA that affect current facility plans

9.6.C **Continue** to coordinate with other entities on the development of a GIS parcel based tool that can be used to estimate potential water demands and wastewater flows based on approved land uses

9.6.D Coordinate with local land use planning agencies to address rural groundwater basin imbalances

9.7 Local Government Drainage Programs

9.7.A Local government public works departments and the **Truckee River Flood Management Authority** are expected to discuss and reach consensus concerning funding and other issues involving local drainage programs and the Flood Project.

9.8 Regional Flood Plain Management and Flood Control

~~9.8.A The parties to the Cooperative Agreement are expected to resolve issues and complete the JPA negotiations.~~

9.8.B Issues regarding flood plain storage in Zone boundaries need to be addressed and ordinances to address Zones 3 and 4 will be needed.

9.8.C A Flood Plain Management Plan will need to be developed and submitted to the ACOE.

9.8.D Continue development of a regional hydrologic model.

RECOMMENDATION

Staff recommends that the Northern Nevada Water Planning Commission ("NNWPC") accept the report and provide direction to staff regarding any of the proposed action items.

CW:js:df

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: October 26, 2016

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

FROM: Jim Smitherman, NNWPC Water Resources Program Manager

SUBJECT: Discussion and possible direction to staff regarding any chapters of the Regional Water Management Plan ("RWMP") previously reviewed by the NNWPC in relation to the 2016 RWMP update.

SUMMARY

This agenda item is intended to be one in a series of standing items, ending upon the NNWPC's final recommendation to the Western Regional Water Commission concerning the 2016 RWMP update. Under this item, NNWPC members may discuss, and the NNWPC may direct staff on the subjects of any of the RWMP chapters reviewed, since the December 2014 meeting, in relation to the 2016 update.

JS:df

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: October 25, 2016
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**

Approved by Water Planning Commission	Approved by WRWC	Project Name	Contractor / Provider	Amount	Balance Remaining	Percent Complete	Target Completion Date	Notes
n/a	11/15/15	<u>Financial Audit Fiscal Year 2016</u>	Schettler Macy LLC	8,700	0	100%	10/1/16	Work will commence at end of Fiscal Year 2016
12/4/13	(JS)	<u>Certified Landscape Technician Program 2014-2016 FY</u>	Nevada Landscape Association (NLA)	25,000	12,500	50%	6/30/16	Work is in progress
6/4/14 11/4/15	9/17/14 Amended 11/18/15	<u>Cloud Seeding - Additional Precip Monitoring Equipment Original ILA \$25,000; Amendment \$50,000</u>	(DRI) Desert Research Institute	75,000	26,810	64%	6/30/17	Work is in progress
n/a	11/18/15	<u>Cloud Seeding Program for Water Year 2017</u>	(DRI) Desert Research Institute	100,000	100,000	0%	12/31/16	Work is in progress
1/7/15	(JS)	<u>Effluent Management Strategy Second Amendment adding scope & funding</u>	Stantec	25,000	25,000	0%	12/31/16	Second Amendment executed. Work is in progress
6/3/15	(JS)	<u>Effluent Management - Linear Programming Original Contract \$40,292; Addendum to Joinder \$22,500</u>	(DRI) Desert Research Institute	62,792	0	100%	6/30/16	Work is in progress \$20,356 from RWMF
6/3/15	5/21/15	<u>Envision Videographers of WRWC meetings</u>	Envision	2,000	0	100%	9/30/16	Work is in progress
5/7/14	5/15/14	Highland Canal Improvements	City of Reno	250,000	250,000	0%	1 yr from Effective Date	Awaiting signatures from Reno on Interlocal
Recommended to WRWC 9/3/14	9/17/14	<u>Optimizing Investments in the Truckee River Watershed</u>	The Nature Conservancy	57,787	799	99%	12/31/16	Work is in progress
N/A	5/18/16	<u>Regional Storm Water Quality Management Program (Fifth Amendment)</u>	City of Reno	262,500	259,552	1%	6/30/17	Awaiting signatures from Reno on Interlocal
1/7/15	JS	<u>RWMP 2016 Update - Water Balance Update</u>	Stantec	25,000	20,113	20%	6/30/17	Work is in progress
N/A	8/7/13 Amended to 6/30/16	<u>Septic - Phase II</u>	Washoe County - CSD	150,000	91,792	39%	6/30/16	Work is in progress
6/4/14	5/21/15	<u>Sosu TV Videographers of NNWPC meetings FY 2015-2016</u>	Sosu TV	3,000	2,363	21%	6/30/17	Work is in progress. FY 17
N/A	5/21/15	<u>TMDL Phase 1 Sixth Amendment</u>	City of Reno (LimnoTech)	75,000	15,132	80%	6/30/16	Work is in progress

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

Approved by Water Planning Commission	Approve d by WRWC	Project Name	Contractor / Provider	Amount	Balance Remaining	Percent Complete	Target Completion Date	Notes
N/A	Will go to them 8/17/16	TMDL Phase 1 Seventh Amendment	City of Reno (LimnoTech)	38,973	15,132	61%	6/30/17	Requested Mike Sullens extend PO to 9/30/16 until 7th Amendment is executed, then do a CO to PO
5/21/15	N/A	<u>TRIG Website Support FY 2015-2016</u>	City of Reno	7,500	318	96%	6/30/16	Work is in progress
N/A	5/16/13	<u>TROA - 6,700 AF water rights purchase</u>	TMWA	2,700,000	128,606	95%	Open Ended	Work is in progress
6/5/13	5/16/13 Amended 11/18/15	<u>Washoe ET Project Maintenance; Original ILA \$10,000; Amendment \$10,000</u>	DRI (Desert Research Institute)	20,000	5	34%	6/30/16	Work is in progress
5/4/16	N/A	Regional Precipitation "can" Monitoring	(DRI) Desert Research Institute	37,989	37,989	0%	6/30/17	ILA being prepared
to NNWPC 3/2/16	3/16/16	<u>Water Usage Review Program 2016-17</u>	TMWA	100,000	100,000	0%	6/30/17	Work is in progress
	5/16/13	<u>Minutes Recorder</u>	RPGB	20,000	13,880	31%	06/30/17	Work is in progress

10/24/2016
 Fund 766
 Report 400/ZF15
 Fiscal Year 2017; Period 1 through 4

**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.	27,985.00-	3,700.70-		3,700.70-	24,284.30-	87-		24,284.30-	87-
RGL Pooled Inv.		1,005.61-		1,005.61-	1,005.61			1,005.61	
URGL Pooled Inv.		5,031.57		5,031.57	5,031.57-			5,031.57-	
Water Surcharge 1.5%	1,416,677.00-	335,948.07-		335,948.07-	1,080,728.93-	76-		1,080,728.93-	76-
* MISCELLANEOUS	1,444,662.00-	335,622.81-		335,622.81-	1,109,039.19-	77-		1,109,039.19-	77-
** REVENUE	1,484,662.00-	335,622.81-		335,622.81-	1,149,039.19-	77-		1,149,039.19-	77-
Professional Services	1,754,976.00	9,293.61	988,271.20	997,564.81	757,411.19	43	20,176.00	737,235.19	42
WRWC Staff & Legal	512,000.00	92,121.70	108,000.00	200,121.70	311,878.30	76.05		311,878.30	76.05
Fin Consult Services	10,000.00	8,700.00		8,700.00	1,300.00	13		1,300.00	13
Invest Pool Alloc Ex		283.97		283.97	283.97-			283.97-	
Pmts to O Agencies	175,000.00	3,980.00	128,605.53	132,585.53	42,414.47	24		42,414.47	24
Seminars and Meetings	1,000.00				1,000.00	100		1,000.00	100
Advertising	1,000.00				1,000.00	100		1,000.00	100
Undesignated Budget	20,000.00				20,000.00	100		20,000.00	100
Insurance Premium		175.00		175.00	175.00-			175.00-	
Combined Utilities	400.00	99.99		99.99	300.01	75		300.01	75
Travel	1,000.00				1,000.00	100		1,000.00	100
Overhead	129,600.00	21,213.01		21,213.01	108,386.99	414.53		108,386.99	414.53
** EXPENDITURES	2,604,976.00	135,867.28	1,224,876.73	1,360,744.01	1,244,231.99	48	20,176.00	1,224,055.99	47
*** Total	1,120,314.00	199,755.53-	1,224,876.73	1,025,121.20	95,192.80	8-	20,176.00	75,016.80	7-