

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

Wednesday July 1, 2020

1:30 p.m.

Washoe County Commission Chambers
1001 East Ninth Street
Reno, Nevada
Meeting Via Teleconference Only

COVID-19 ACCOMMODATIONS:

1. No members of the public will be allowed to attend the meeting in person due to concerns for public safety resulting from the COVID-19 emergency and pursuant to the Governor of Nevada's Declaration of Emergency Directive 006. This meeting will be held by teleconference only.
2. The meeting will be televised live on Washoe Channel at <http://www.washoecounty.us/mgrsoff/Communications/wctv-live.php> , and also on Youtube at: <http://www.youtube.com/user/WashoeCountyTV>.
3. Pursuant to Directive 006, the requirement contained in NRS 241.020(3)(c) that physical locations be available for the public to receive supporting material for public meetings has been suspended. Staff reports and supporting material for the meeting are available on the NNWPC website at <http://www.nnwpc.us> or by contacting Jennifer Purgitt, Administrative Secretary at (775) 954-4665.
4. The announcement of this meeting has been electronically posted in compliance with NRS 241.020(3) and Directive 006 at <http://www.NNWPC.us> and at <https://notice.nv.gov/>
5. Public comment, whether on action items or general public comment, is limited to three (3) minutes per person. Pursuant to Directive 006, public comment may be provided without being physically present at the meeting by logging into the ZOOM webinar by accessing the following link: <https://us02web.zoom.us/j/81323979989>
6. (Note: this option will require a computer with audio and video capabilities), by submitting an email to washoe311@washoecounty.us or by leaving a voice message at 775-954-4664. Voice messages will either be broadcast into the Chamber during the meeting or transcribed for entry into the record. The NNWPC will make reasonable efforts to include all public comments received by email or voice message in the record. Please submit comments by 4:00 p.m. on the date before the scheduled meeting. The Board may elect to receive public comment only during the two public comment periods rather than each action item.

Notes:

7. 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 (*).
8. 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.

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 May 6, 2020, meeting. **(For Possible Action)**
5. Presentation of the draft 2020 Washoe County Consensus Forecast and the comparison of the consensus population forecast for 2040 with the sustainable water resources set forth in the Regional Water Management Plan ("RWMP") – Jeremy Smith, PhD, Interim Director, Truckee Meadows Regional Planning Agency (TMRPA) and Jim Smitherman, WRWC Water Resources Program Manager. *

Northern Nevada Water Planning Commission Agenda for July 1, 2020

6. Report on Phase 1 of the Regional Storm Water Drainage Network Geographic Information System (“GIS”) Project, and possible direction to staff. – Jeremy Smith and Jim Smitherman. **(For Possible Action)**
7. Presentation of the Truckee Meadows Water Authority’s (“TMWA”) Draft 2020-2040 Water Resource Plan – Kara Steeland, TMWA, John Enloe, TMWA and Bill Hauck, TMWA. *
8. Review, discussion and possible recommendation to the Western Regional Water Commission for approval of a scope of work and funding, not to exceed \$150,000 from the Regional Water Management Fund, for consulting engineering assistance concerning the completion of the Regional Effluent Management Planning Guidance Document Project – 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 Regional Water Management Fund (“RWMF”);
 - b. Financial Report on the RWMF.
10. Discussion regarding location and possible agenda items for the August 2020 NNWPC meeting, and other future meetings, and possible direction to staff – Jim Smitherman. **(For Possible Action)**
11. Discussion and possible action on retirement of Jim Smitherman and recognition of service. **(For Possible Action)**
12. Commission Comments. *
13. Staff Comments. *
14. Public Comments. * (Three-minute time limit per person.)
15. Adjournment. **(For Possible Action)**

*Indicates a non-action item

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: June 25, 2020
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Jim Smitherman, Water Resources Program Manager
SUBJECT: Presentation of the draft 2020 Washoe County Consensus Forecast and the comparison of the consensus population forecast for 2040 with the sustainable water resources set forth in the Regional Water Management Plan (“RWMP”)

SUMMARY

The Truckee Meadows Regional Planning Agency (“TMRPA”) has prepared the draft Washoe County Consensus Forecast 2020-2040 and submitted it to staff for comparison with the estimated population that can be supported by the sustainable water resources as set forth in the RWMP. The comparison consists of 4 parts: the 20-year population projection for Washoe County provided in the draft Consensus Forecast, the sustainable water resources estimate in the adopted RWMP, a 20-year water demand projection based on the Consensus Forecast, provided by the Truckee Meadows Water Authority (“TMWA”), and a comparison of the water demand projection to the sustainable water resources estimate set forth in the RWMP.

Since 2010, the Northern Nevada Water Planning Commission (“NNWPC”) has made the comparison and advanced a recommendation to the WRWC as to whether the Consensus Forecast population can be supported by the sustainable water resources identified in the RWMP. Two years ago, the WRWC approved the NNWPC’s recommendation and found that the draft Consensus Forecast population for 2038 (558,746 persons) was less than the estimated population that can be supported by the sustainable water resources set forth in the RWMP.

This year, staff was unable to convene a NNWPC meeting in July and had to present the comparison directly to the WRWC in order to comply with TMRPA’s schedule for presentation of the draft Consensus Forecast to the Regional Planning Commission. On June 17, 2020, the WRWC determined that the draft Consensus Forecast population for 2040 (569,385 persons) can be supported by the sustainable water resources set forth in the RWMP, and directed staff to submit the draft Consensus Forecast with a finding that the forecasted population can be supported by the sustainable water resources set forth in the RWMP to Reno, Sparks, Washoe County, and TMRPA.

The draft 2020 Consensus Forecast projects that the total population in Washoe County will grow from 469,801 (2019 certified estimate) to 569,385 in 2040. Compared to the 2018 version, which estimated a 20-year increase of about 107,000 persons, the projected growth increment is very similar. The 2020 Consensus Forecast projects a 20-year population increase of slightly less than 100,000 persons.

The 2016 RWMP includes an estimate of potentially available, sustainable water resources of approximately 190,500 acre feet per year. In addition, last year staff reported that an approximately 143,800 acre foot per year subset of the sustainable water resources are potentially available with no additional water importation.

Two years ago, using 2018 retail customer water use data and the 2018 Consensus Forecast, TMWA provided a County-wide water demand projection of approximately 100,100 acre feet for the 2038 population projection of 558,746. Given that the 2040 projection is within two percent of the 2038 forecast, a new demand projection was not requested of TMWA. A two percent increase in the demand projection would add about 2,000 acre feet.

Analysis and Conclusion:

- The draft 2020 Washoe County Consensus Forecast projects a 2040 population of 569,385, approximately two percent higher than the 2018 Consensus Forecast estimate for 2038 population;
- The 2016 RWMP includes an estimate of potentially available, sustainable water resources of approximately 190,500 acre feet per year and staff estimates 143,800 acre feet per year without additional importation;
- The water demand estimate to serve the projected 2038 population of 558,746 is approximately 100,100 acre feet, for which a two percent increase would be about 102,100 acre feet; and,
- By this comparison, the draft 2020 Washoe County Consensus Forecast population for 2040 is significantly less what the sustainable water resources identified in the RWMP can support, even without additional water importation.

BACKGROUND

In January 2010, the Regional Planning Governing Board (“RPGB”) adopted certain amendments to the Truckee Meadows Regional Plan (“Regional Plan”), and the RPGB Regulations on Procedure, identifying the NNWPC and the WRWC as the entities to perform a comparison, prior to the adoption of the Consensus Forecast, of the draft Washoe County Consensus Forecast and the estimated population that can be supported by the sustainable water resources as set forth in the RWMP. In April 2014, the TMRPA assumed the responsibility for preparing and publishing the Consensus Forecast. The RPGB Regulations on Procedure were amended at that time to reflect this change, and to make minor adjustments to the data sources and time frames for compilation and distribution of draft and final versions of the forecast.

According to the amended RPGB Regulations on Procedure, the NNWPC, upon receiving the draft consensus forecast document, will compare the draft population forecast with the estimated population that can be supported by the sustainable water resources as set forth in the RWMP and advance a recommendation for consideration to the WRWC. The WRWC will then make a determination based on the NNWPC’s recommendation concerning the comparison described above and inform Reno, Sparks, Washoe County, and the TMRPA as to its finding. In addition, the RPGB Regulations on Procedure state that if the WRWC determines the draft Consensus Forecast is less than or equal to the estimated population that can be supported by the sustainable water resources identified in the RWMP, the WRWC will submit the draft Consensus Forecast to

Reno, Sparks, Washoe County, and the TMRPA with a finding that the forecasted population can be supported by the sustainable water resources as set forth in the RWMP.

RECOMMENDATION

Staff recommends that no action be taken on this item.

JS:jp

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: June 25, 2020
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Jim Smitherman, Water Resources Program Manager
SUBJECT: Report on Phase 1 of the Regional Storm Water Drainage Network Geographic Information System (“GIS”) Map project, and possible direction to staff.

SUMMARY

In 2018, the Truckee Meadows Regional Planning Agency (“TMRPA”) completed Phase 1 of the Regional Storm Water Drainage Network Geographic Information System (“GIS”) Map project. Recently the Western Regional Water Commission (“WRWC”) expressed interest in discussing with TMRPA and staff, recommendations for future work related to the project. The purpose of this item to provide for NNWPC discussion and possible direction to staff concerning a future report to the WRWC.

The Phase 1 scope of work included the following tasks:

- Compile existing storm water network GIS data received from local jurisdictions and store in a centralized database.
- Evaluate GIS data for completeness of coverage.
- Evaluate attribute data included with the GIS features.
- Prepare a final report and provide a presentation to the Western Regional Water Commission (“WRWC”), Regional Planning Governing Board and Northern Nevada Water Planning Commission (“NNWPC”).
- Make the final collection of GIS data available to interested government entities.

TMRPA used visual and quantitative assessment techniques to analyze GIS storm water conveyance infrastructure data provided by the local jurisdictions. Jeremy Smith of TMRPA will provide a project review and conclusions and follow with discussion of recent storm water drainage related activities by TMRPA and others, including work on the Source Water Protection Program.

BACKGROUND

In March 2017, the WRWC requested staff to work with TMRPA staff and present a proposal to the NNWPC for the development of a regional storm water GIS map. In April 2017, the NNWPC recommended that the WRWC approve TMRPA’s proposal for the GIS map project. The WRWC approved a motion directing staff to move forward with Phase 1 of the proposed project at a cost not to exceed \$21,000 from the Regional Water Management Fund. TMRPA completed Phase 1 and made a report to the NNWPC in February 2018.

RECOMMENDATION

Staff recommends that the NNWPC accept the report on the GIS Map project and provide appropriate direction to staff.

JS:jp

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: June 25, 2020

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

FROM: Chris Wessel, Water Management Planner

SUBJECT: Presentation of the Truckee Meadows Water Authority's ("TMWA") Draft 2020-2040 Water Resource Plan.

SUMMARY

The draft TMWA 2020-2040 Water Resource Plan was presented at the June 17, 2020 TMWA Board of Directors meeting. A digital version of the draft plan is available here. The presentation initiates the following series of planned public outreach events:

- June 17, 2020 – 10:00 am – TMWA Board of Directors Meeting
- June 24, 2020 – 10:00 am – Public Zoom Meeting
- June 25, 2020 – 5:30 pm – Public Zoom Meeting
- June 30, 2020 – 2:00 pm – Public Zoom Webinar (Facebook Live format)
- July 1, 2020 – 1:30 pm – Northern Nevada Water Planning Commission (Zoom meeting)
- July 8, 2020 – 5:30 pm – Public Zoom Meeting (Zoom meeting)
- July 15, 2020 – 9:00 am – Western Regional Water Commission (Zoom meeting)
- August 4, 2020 – 3:00 pm – TMWA Standing Advisory Committee Meeting

Kara Steeland, Bill Hauck and John Enloe from TMWA will provided a presentation of the draft plan and be available to answer any questions from the commission.

POSSIBLE MOTION

This is a non-action item.

CW:jp

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: June 25, 2020

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

FROM: Jim Smitherman, Water Resources Program Manager

SUBJECT: Review, discussion and possible recommendation to the Western Regional Water Commission for approval of a scope of work and funding, not to exceed \$150,000 from the Regional Water Management Fund, for consulting engineering assistance concerning the completion of the Regional Effluent Management Planning Guidance Document Project.

SUMMARY

In March 2018, the NNWPC made a recommendation to the Western Regional Water Commission for approval of a scope of work, and funding in an amount not to exceed \$561,000 from the Regional Water Management Fund (“RWMF”) for the development of a Regional Effluent Management Planning Guidance Document (the “Project”). The WRWC approved and executed an Interlocal Agreement with the University of Nevada, Reno (“UNR”) to have the Nevada Water Innovation Institute provide primary support, i.e., an Associate Research Professor, to develop the document at the direction of the Regional Effluent Management Team (the “Team”).

The Project has progressed over the first two years of the three-year Agreement with four of the eight Project Tasks completed. The Team recently determined that external engineering technical support is necessary to assist in the completion the Project. Staff requested a proposal from Mr. Roy Johnson, Managing Engineer at Brown and Caldwell, who developed the effluent management framework that serves as the basis for the Project. The scoping outline below has been provided to Mr. Johnson. A complete proposal is not available as of the date of this report.

Funding for an agreement with Brown and Caldwell will come from two sources: 1) defunding the UNR Agreement by approximately \$80,000, which will reduce the Associate Research Professor level of effort in fiscal year 2020-2021 to 54 percent of full time, and 2) approximately \$70,000 from the project contingency fund.

BACKGROUND

In December 2014, the NNWPC directed staff to prepare a presentation summarizing wastewater master planning in the region and outlining a scope of work for a wastewater and effluent management master plan update. Working together with the Team, technical staff from the City of Reno, the City of Sparks, Washoe County and the Truckee Meadows Water Authority, staff

provided the requested information and materials at the following two NNWPC meetings The Team had been meeting informally since April 2014 to discuss regional effluent management issues.

In February 2015, the Northern Nevada Water Planning Commission, (“NNWPC”), approved funding for project coordination services to help the Team develop a framework to be used as the basis of an effluent management strategy focused on the Truckee Meadows Water Reclamation Facility and the South Truckee Meadows Water Reclamation Facility. Mr. Roy Johnson, Managing Engineer at Brown and Caldwell provided project coordination and completed the framework in late 2018 in the form of a PowerPoint presentation, which Mr. Johnson delivered to the NNWPC.

FISCAL IMPACT

The fiscal impact to the RWMF for this item, if approved, will not exceed \$70,000 in FY 2020-2021. Budget authority is provided in the FY 2020-2021 budget, in Fund Group 766, Fund 7066, Account Number 710100, Professional Services, Cost Object WP310200.

RECOMMENDATION

Staff recommends that the NNWPC make a recommendation to the Western Regional Water Commission for approval of a scope of work and funding, not to exceed \$150,000 from the Regional Water Management Fund, for consulting engineering assistance concerning the completion of the Regional Effluent Management Planning Guidance Document Project, and execute an agreement with Brown and Caldwell for that purpose.

JS:jp

Regional Effluent Management Planning Guidance Document
Scoping provided to Brown and Caldwell
June 2020

- Brown and Caldwell will work with UNR Associate Research Professor to complete Tasks 5 through 8.
- WRWC will provide existing materials compiled during Tasks 1 through 4.
- Direction will be from the Regional Effluent Management Team (primarily Jim Smitherman or John Enloe).

Task 5: Water Quality & Resource Management

- ▶ The purpose of this task is to discuss the local water quality resources and effluent limitations, constraints, and opportunities in the context of exploring creative solutions for regional effluent management
 - ▶ Water Rights Strategies
 - ▶ TROA, WQSA, TMDLs
 - ▶ Nature Conservancy River Restoration
 - ▶ TMWA Managed Water Releases to Truckee River
 - ▶ Inter-Facility Raw Sewage / Effluent Interties
 - ▶ Satellite / Flow Shaving Facilities
 - ▶ Effluent Export

Task 6: Future Management Options & Evaluations

- ▶ The purpose of this task is to identify and evaluate future management options for each existing wastewater facility including:
 - ▶ Future options for existing treatment facilities
 - ▶ Opportunities for inter-agency & inter-facility solutions
 - ▶ Options for new facilities, flow shaving facilities, and decommissioning existing facilities

Task 7: Financials

- ▶ The purpose of this task is to develop planning-level costs for effluent management alternatives and consider capital costs, operating costs, rates, fees, and funding sources
 - ▶ Capital Costs
 - ▶ Operating Costs
 - ▶ Rates and fees
 - ▶ Funding Sources
 - ▶ Joint Ventures

Task 8: Finished Product

- ▶ Inter-relationship flowchart or similar tool to help guide decisions
 - ▶ Between facilities

- ▶ Between agencies
- ▶ Budgetary costs for effluent management alternatives
- ▶ Facility-specific timelines showing critical milestones for effluent management limits
- ▶ Facility-specific effluent management alternatives with implementation lead times

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: June 25, 2020
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	Orig.PO/Carry Foward	Changes	Balance	Percent Complete	Start Date	End Date
WP310008	Precipitation"Can"Gauge Monit FY19-20	20,000	-2,668	17,332	13%	7/1/2019	9/30/2020
WP310101	Water Usage Review Program FY19/20	100000	0	100000	0%	7/1/2019	9/30/2020
WP310102	Washoe ET Program FY 19-20	10,000	-276	9,724	3%	7/1/2013	9/30/2020
WP310111	Certified Landscape Tech Prgm FY2019-20	12,500	0	12,500	0%	7/1/2018	6/30/2020
WP310203	Advanced Water Treatment Demo FY19-20	238,017	-68,776	169,241	29%	7/1/2016	9/30/2020
WP310207	IPR Outreach	74,471	-25,807	48,665	35%	4/1/2018	12/30/2020
WP310208	Planning Guidance Document FY19	187,728	-153,918	33,810	82%	4/1/2018	9/30/2021
WP310209	A+ Reclaimed Wtr Feasibility Stdy FY19-20	34,057	-28,010	6,047	82%	4/1/2019	9/30/2022
WP310210	Long Valley Creek Feasibility Study	75,000	-15,560	59,440	21%	4/1/2019	9/30/2020
WP310303	TM Storm Water Quality Prog FY18/19	262,500	-101,266	161,234	39%	7/1/2019	9/30/2020
WP310305	Watershed MGMT Plan Update FY19-20	141,001	-139,693	1,309	99%	1/17/2019	6/30/2020

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

6/25/2020
 Fund 766
 Report 400/ZF15
 Fiscal Year 2020; Period 12

**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.	21,178.00-	26,255.89-		26,255.89-	5,077.89	24		5,077.89	24
RGL Pooled Inv.		4,215.40-		4,215.40-	4,215.40			4,215.40	
URGL Pooled Inv.		43.35		43.35	43.35-			43.35-	
Water Surcharge 1.5%	1,537,564.00-	1,555,163.32-		1,555,163.32-	17,599.32	1		17,599.32	1
* MISCELLANEOUS	1,558,742.00-	1,585,591.26-		1,585,591.26-	26,849.26	2		26,849.26	2
** REVENUE	1,598,742.00-	1,585,591.26-		1,585,591.26-	13,150.74-	1-		13,150.74-	1-
Professional Services	1,798,101.00	659,124.44	610,970.12	1,270,094.56	528,006.44	29		528,006.44	29
WRWC Staff & Legal	483,000.00	379,771.03	178,470.20	558,241.23	75,241.23-	108.41-		75,241.23-	108.41-
Fin Consult Services	8,700.00	8,700.00		8,700.00					
Invest Pool Alloc Ex		787.99		787.99	787.99-			787.99-	
Pmts to O Agencies			47,230.61	47,230.61	47,230.61-			47,230.61-	
Seminars and Meetings	1,000.00	640.00		640.00	360.00	36		360.00	36
Credit Card Fees		51.20		51.20	51.20-			51.20-	
Advertising	1,000.00	608.00		608.00	392.00	39		392.00	39
Undesignated Budget	10,000.00	529.49		529.49	9,470.51	95		9,470.51	95
Insurance Premium		3,936.00		3,936.00	3,936.00-			3,936.00-	
Combined Utilities	497.00	497.04		497.04	0.04-	0-		0.04-	0-
Travel	1,000.00	540.35		540.35	459.65	46		459.65	46
Overhead	51,044.00	49,478.16		49,478.16	1,565.84	0.02		1,565.84	0.02
** EXPENDITURES	2,354,342.00	1,104,663.70	836,670.93	1,941,334.63	413,007.37	18		413,007.37	18
*** Total	755,600.00	480,927.56-	836,670.93	355,743.37	399,856.63	53-		399,856.63	53-