

NORTHERN NEVADA WATER PLANNING COMMISSION AGENDA

Wednesday, May 5, 2010
1:30 p.m.

Washoe County Commission Chambers
1001 East Ninth Street
Reno, Nevada

1. Roll Call and determination of presence of a quorum.
2. Approval of agenda.
3. Approval of the minutes from the April 7, 2010, meeting.
4. Public Comments. * (Three-minute time limit per person.)
5. Election of new Vice Chairman for the term April 2010 to April 2011, and possible direction to staff.
6. Status report and activity update for the Central Truckee Meadows (Groundwater) Remediation District Program, Chris Benedict, Washoe County Department of Water Resources *
7. Report on the Truckee Meadows Water Authority (TMWA) 2009 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 \$64,100 from the Regional Water Management Fund ("RWMF") for the 2010 Water Usage Review Program, and possible direction to staff – Lora Richards, TMWA.
8. Presentation and discussion of final report entitled "Marlin and Lemmon Channels, Floodplain Analysis & Improvement Alternatives" prepared by Manhard Consulting, and possible acceptance of the report; consideration and discussion of a funding request by Washoe County in the amount of \$15,000 from the RWMF to prepare a FEMA Pre-Disaster Mitigation Grant Application, and possible recommendation to the WRWC, Walt West, P.E., Washoe County Public Works.
9. Informational Status Report on the "West Spanish Springs Hydrologic Analysis" prepared by Gray and Associates, Walt West, P.E. *
10. Informational Status Report on Stormwater Management efforts in Washoe County and discussion regarding the potential establishment of a Stormwater Utility District for unincorporated Washoe County, Dan St John, P.E., Director, Washoe County Public Works, and Walt West, P.E. *

Northern Nevada Water Planning Commission Agenda for May 5, 2010

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11. Review and possible approval of the fiscal year 2010-2011 routine operating budget for non-staff services, and possible direction to staff, Jim Smitherman, WRWC Water Resources Program Manager.
12. Status report on the Western Regional Water Commission (“WRWC”) and NNWPC websites; and possible direction to staff, Chris Wessel, WRWC Water Management Planner.
13. Review proposed updated NNWPC Policies and Procedures, including procedures for meeting cancellations, and possible direction to staff, John Rhodes, Legal Counsel.
14. Status report on development of the 2011 Comprehensive Regional Water Management Plan, including Chapter 2, 3 and 7 outline, timeline and contractual services, and possible direction to staff, Jim Smitherman.
15. Program Manager’s Report, Jim Smitherman *
 - a. Status Report of Projects and Work Plan supported by the Regional Water Management Fund
 - b. Financial report on the Regional Water Management Fund
 - c. Truckee River Flood Management Project status report
 - d. Informational report from the NNWPC representative on the Truckee Meadows Water Authority Standing Advisory Committee
16. Discussion and possible direction to staff regarding agenda items for the June 2, 2010, Commission meeting and future meetings, Jim Smitherman.
17. Commission comments. *
18. Staff comments. *
19. Public Comments. * (Three-minute time limit per person.)
20. Adjournment

*Indicates a non-action item

Notes: Items on the agenda without a time designation may not necessarily be considered in the order in which they appear. The Commission may take action on any of the action items listed.

Facilities in which this meeting is being held are accessible to the disabled. Persons with disabilities who require special accommodations or assistance (e.g. sign language interpreters or assisted listening devices) at the meeting should notify the Washoe County Department of Water Resources, at 954-4665, 24 hours prior to the meeting.

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), Sparks Justice Court (630 Greenbrae Dr), Sun Valley GID (5000 Sun Valley Blvd.), TMWA (1355 Capital Blvd.), Washoe County Administration Building (1001 E. 9th Street), Washoe County Clerk’s Office (Court and Virginia Streets), Washoe County Central Library (301 South Center St.), Washoe County Department of Water Resources (4930 Energy Way), Galena Market (19990 Thomas Creek Rd.), Galena High School (3600 Butch Cassidy Way), South Valleys Library (15650A Wedge Parkway), the Northern Nevada Water Planning Commission (NNWPC) website: <http://www.washoecounty.us/water/nnwpc.htm>, and the Western Regional Water Commission’s (WRWC) website: <http://www.wrwc.us/meetings.html>

**NORTHERN NEVADA WATER PLANNING COMMISSION
MINUTES**

Wednesday, April 7, 2010

The regular meeting of the Northern Nevada Water Planning Commission (NNWPC) was held on Wednesday, April 7, 2010 in the Washoe County Commission Chambers, 1001 East Ninth Street, Reno, Nevada.

- 1. Roll Call and determination of presence of a quorum** – Chairman Seidel called the meeting to order at 1:30 p.m. There was a quorum present.

Voting Members Present:

Wayne Seidel, Chairman
George W. Ball, Jr., Vice-Chairman
Michael J. DeMartini
John Erwin (arrived at 1:35 p.m.)
Mickey Hazelwood
John Jackson
Rosemary Menard
Darrin Price
Jerry Schumacher
Stan Shumaker

Voting Members Absent:

John Flansberg

Non-Voting Members Present:

John Bird
Harry Fahnestock
Jon Palm

Non-Voting Members Absent:

Kelvin Hickenbottom
David Noble

Staff Members Present:

Jim Smitherman
Chris Wessel
June Davis
John Rhodes, Legal Counsel

- 2. Approval of the agenda.**

Commissioner Price made a motion to approve the April 7, 2010 NNWPC agenda as posted. Commissioner Ball seconded the motion, which carried unanimously.

- 3. Approval of the minutes from the January 6, 2010 meeting.**

The minutes of the January 6, 2010 NNWPC meeting were submitted for approval. Commissioner Price made a motion to approve the minutes as submitted. Commissioner Ball seconded the motion, which carried unanimously.

- 4. Public Comments.**

Chairman Seidel called for public comments and hearing none, closed the public comment period.

- 5. Election of Chairman and Vice Chairman for the term April 2010 to April 2011, and possible direction to staff.**

Chairman Seidel invited nominations for Chairman and Vice Chairman. Commissioner Menard nominated John Erwin as Chairman and George Ball as Vice Chairman. Chairman Seidel called for

discussion or further nominations. Commissioner Jackson seconded the motion, which carried with five in favor and four opposed. In newly elected Chairman Erwin's absence, Vice Chairman Ball took over the meeting. At 1:35 p.m. Chairman Erwin arrived and assumed the role of Chairman.

6. Discussion and recommendation to the Western Regional Water Commission (WRWC) regarding comparison of the draft Washoe County consensus population forecast for 2030 and the estimated population that can be supported by the sustainable water resources as set forth in the Comprehensive Regional Water Management Plan.

Mr. Smitherman gave a brief overview of the staff report along with a PowerPoint presentation, which covered the following:

- Amendments to the Truckee Meadows Regional Plan - Compare the Draft Consensus Population Forecast with the estimated population that can be supported by the sustainable water resources identified in the Regional Water Plan – A “decision tree” was developed and included in the Regional Water Management Plan, which includes:
 - NNWPC reviews draft Consensus Forecast and recommends for or against finding of consistency with sustainable water resources from RWMP
 - WRWC finds draft Consensus Forecast is consistent with sustainable water resources in RWMP and transmits finding to RPC and affected entities
- Draft Consensus Population Forecast – Based on an average population forecasts (provided by four sources), the 2010 population is estimated at 434,519; the 2030 population is estimated at 590,533. Rosanna Coombes, Truckee Meadows Regional Planning Agency (TMRPA), reported that the actual 2010 Census numbers will be available in May 2011.
- Sustainable Water Resources – Mr. Smitherman referred to the Water Resources Baseline, which totals approximately 183,250 acre-feet per year of sustainable water resources. He briefly explained the methodology used for establishing the baseline. He explained that the population forecast includes all of Washoe County; however, the water resources include only those within the basins of the NNWPC planning area (excluding Incline Village, Pyramid Lake and some other basins). He summarized that based on planning; the numbers presented for sustainable water resources are conservative.
- Water Demand Projections – Information was provided by TMWA on Building and Water Use Projections based on the Consensus Forecast Population, which calculates the total water use by 2030 at 141,865 acre-feet. Mr. Smitherman explained the methodology used in the projections. Commissioner Price asked how the numbers compare to the State Demographer's numbers. Chairman Erwin asked Shawn Stoddard, TMWA, to provide a graphic he prepared showing how TMWA's population forecast compares with the State Demographer's comparison to 2030. Mr. Stoddard showed the figures, which are very comparable. He explained the methodology used, which Chairman Erwin stated is available on TMWA's website.

Commissioner Menard asked Ms. Coombes to describe how the Consensus Forecast is created. Ms. Coombes stated that the question could be better answered by Washoe County staff (who prepares the forecast); however, she stated that the forecast is created by averaging forecasts from other sources (national, local, TMWA).
- Estimated Population that can be supported by Sustainable Water Resources – Mr. Smitherman stated that based on an estimated population at 2030 of approximately 590,533, needing 141,865 acre-feet of water per year, the estimated sustainable water resources of 183,250 are adequate.
- Recommended Action by Commission

Mr. Smitherman stated that the conclusion is that the draft Consensus Population Forecast for 2030 is less than the estimated population that can be supported by the sustainable water resources identified in the Regional Water Plan. He summarized that the TMRPA and the Regional Planning Governing Board

designate the NNWPC and WRWC as entities to compare the draft Consensus Forecast and sustainable water resources.

Mr. Smitherman reported that the WRWC would hear this item at their meeting on April 9, 2010, at which time they will be asked to transmit their findings to the TMRPA, Reno, Sparks and Washoe County.

Commissioner Price asked if this information would also be forwarded to the Legislative Oversight Committee (LOC). Mr. Smitherman stated that the agenda for next LOC meeting has not been distributed; however, he assumes at some time the information will be provided. John Rhodes, Legal Counsel, stated that the Statute creating the LOC does not require a report; however, they may ask for updates on certain topics.

Commissioner DeMartini stated that it looks to him that there is no consideration for the source of available water compared to where it might be needed and whether it could be used. Mr. Smitherman agreed that is a consideration; however, it is not part of this process. Commissioner DeMartini added that there would never be 100% efficiency. Mr. Smitherman agreed but added that the water baseline and Consensus Forecast have a comparable degree of uncertainty.

Chairman Erwin referred to the total number of acre-feet of sustainable water and asked whether or not it includes effluent resources. Mr. Smitherman stated the number does not include effluent resources, thereby contributing to the conservative numbers.

Commissioner Price made a motion to "Recommend to the WRWC that it determine that the draft Consensus Population Forecast for 2030 is less than the estimated population that can be supported by the sustainable water resources identified in the Regional Water Plan". Commissioner Seidel seconded the motion, which carried unanimously.

7. Status report on development of the 2011 Comprehensive Regional Water Management Plan, including outline, timeline and contractual services, and possible direction to staff.

Mr. Smitherman provided a report on progress to date on the update of the Regional Water Management Plan, which include:

- Chapter 1 – Policies and Criteria – This chapter will be reviewed or updated after other chapters are complete.
- Chapter 2 – Water Resources – The chapter has been written and will be reviewed (with figures and graphics added) in the near future.
- Chapter 3 – Water Purveyors – Writing of this chapter is underway. Mr. Wessel is awaiting some information from purveyors and assistance is needed from the consultant. The chapter will include reclaimed water purveyor information.
- Chapter 4 – Wastewater – Work is being performed by the consultant, ECO:LOGIC Engineering. The chapter is in progress.
- Chapter 5 – Flood Control / Storm Drainage – The Truckee River Flood Project and Public Works will review and provide input on the chapter, which is approximately 50% complete.
- Chapter 6 – Population Forecast and Projections of Water and Wastewater Demands and Flows – Mr. Smitherman reported that the previous agenda item covered most of the information that would comprise this chapter. ECO:LOGIC is working with service providers on agreement of the methodology used to project wastewater flows.
- Chapter 7 – Water Conservation – This chapter needs some minor updates, including updated information on the drought definition and the three-day per week watering schedule for TMWA customers.
- Chapter 8 – Issues Identification and Proposed Alternatives – The NNWPC will need to work on this chapter to review the Water Plan and identify issues to be addressed or advanced. Mr. Smitherman

stated that this discussion could be initiated in May.

- Chapter 9 – Cost and Financing Analysis – ECO:LOGIC will update information they provided in the 2009 Water Plan Amendment using information from service providers, including Capital Improvement Projects (CIPs) and facility plans.
- Chapter 10 – Action Plan – This chapter will outline issues and alternatives based on the updated Water Plan.

Mr. Smitherman referred to the timeline for each of the chapters that was distributed in the agenda packets. He reported that ECO:LOGIC is under contract to assist with the Water Plan Update. Washoe County Water Resources Geographic Information System (GIS) program is also under contract. He stated that two proposals were received from individuals or firms to assist with formatting and production of the Plan, including a PDF document.

Commissioner Price referred to Chapter 6, Section 4 which states “needs beyond twenty-year plan horizon”, and asked if staff was developing the chapter. Mr. Smitherman reported that as in the last Plan update, projections were made past the twenty-year timeframe. Commissioner Price asked if it is a requirement. Mr. Smitherman stated that it is not required but is allowed. He added that if Commissioners do not wish to do so, it does not have to be done.

Commissioner Price referred to Chapter 7 and asked from where the drought factor comes. Mr. Smitherman stated that the drought factor is based on TMWA’s most recent Water Plan. Commissioner Price stated that in the past there has been some disagreement on the drought factor and asked if the factor used in the Water Plan is not TMWA’s number, if TMWA would change their Plan. Mr. Smitherman stated that if that were the case, the WRWC would make the decision on what goes into the Comprehensive Water Plan.

Commissioner Price asked if Chapter 8.3 was considered for deletion only because it is covered elsewhere in the Plan, to which Mr. Smitherman stated yes. Commissioner Price referred to Chapter 9.5 – Public Water Purveyor Consolidation, and asked why it was included in the Plan. Mr. Smitherman stated that it is required by law. Commissioner Price stated that the law calls for taking “a look” at water purveyor consolidation and again asked why it is included in the Water Plan. Commissioner Menard stated that the law requires an evaluation of consolidation of public purveyors to be included in the Plan. Mr. Rhodes referred to Section 42 – Elements of the Comprehensive Water Plan, which states that the Plan “must include the following elements; Subsection 9 – “Recommendations regarding the consolidation of public purveyors”.

Commissioner Schumacher asked Mr. Smitherman to expand on Chapter 3 and what is anticipated from the purveyors. Mr. Smitherman stated that the law calls for information from purveyors related to peaking factors and how the needs would be met by each purveyor. Mr. Wessel stated that he sent individual requests for updated information, including what was previously included in the Water Plan, plus the new required elements, including peaking factors, storage requirements and a few others. He stated that it is his understanding that the information for South Truckee Meadows General Improvement District (STMGID) would be provided by the lead engineer from Washoe County Department of Water Resources (DWR).

Mr. Smitherman stated that Section 9.5 regarding consolidation is focused on costs and financing only. Commissioner Price asked if it would be comprehensive enough to include items such as bond payoffs and the associated costs. Mr. Smitherman stated he does not think that level of detail would be included; it is more related to facility costs. Commissioner Price asked about the level of analysis and whether it might include bonds and negative costs and potential negative impacts to customers. Commissioner Menard stated that the Phase 1 work associated with consolidation produced a number of staff reports that have been presented. She suggested creating an appendix that includes the content and summarizes it in

the Plan chapter.

Chairman Erwin asked if the Draft Plan Update should be presented to the NNWPC for review as a whole or on a chapter by chapter basis as they are ready. Mr. Smitherman suggested bringing the chapters forward as available. He added that a compilation of some chapters (2, 3 6 and 7) could be available as early as the May 5 NNWPC meeting. Chairman Erwin suggested that some of the meetings should focus only on the Plan update review due to the time involved.

Commissioner DeMartini asked if the PDF document would be searchable by key words. Mr. Smitherman stated that it would.

Commissioner Menard made a motion to bring forward the items as directed at today's meeting. Commissioner DeMartini seconded the motion, which carried unanimously.

8. Review of the Western Regional Water Commission ("WRWC") tentative budget for fiscal year 2010-2011, and possible recommendation to the WRWC.

Mr. Smitherman reported that the WRWC is required to submit the Fiscal Year (FY) 2010-2011 budget in May 2010. He explained that the budget is first presented to the NNWPC for a recommendation to move forward to the WRWC.

Mr. Smitherman pointed out a couple of corrections to the staff report; including the "ending fund balance" should be "ending cash balance"; and the balance should be "approximately \$2,375,268" (versus \$2,625,000). He reported that a revised "Cash Flow Projections" handout was distributed to Commissioners.

Mr. Smitherman reviewed the revenues, expenditures and ending balance. He briefly reviewed the list of professional service budget items. He summarized that the total expenditures is approximately \$2.47 million with a net decrease in cash reserves of just over \$1 million. He explained that the expenditures budget for the next couple of years would exceed the revenues, which is possible because of the cash reserve.

Commissioner Schumacher asked if there is a possibility that the 1.5% Regional Water Management Fee might discontinue. Mr. Smitherman stated that he has not heard any comments and that decision would have to be made by the legislature. Commissioner Price stated that the legislature will hold two sessions (2011 and 2013) prior to the time the fund would fall below the allowed fund balance. Mr. Smitherman stated that adjustments to expenditures for professional services could be made prior to that time if desired.

Commissioner Menard stated that in speaking with Ben Hutchins, Finance Director for DWR, she was told that the WRWC rarely spends what is budgeted for professional services. Commissioner DeMartini agreed that historically the professional services costs have rarely met or exceeded the budget amount, which has resulted in the fund balance.

Vice Chairman Ball stated that the projected negative fund balance bothers him and he encouraged the NNWPC to find cost cutting measures sooner than later.

Commissioner Price asked if the budget would come back to the NNWPC prior to being submitted to the State. Mr. Smitherman explained the process, which is for the WRWC to approve the tentative budget on April 9 and then to hold a budget hearing May 20, 2010 to approve the final budget. Discussion ensued over the tentative versus final budget.

Commissioner Menard made a motion, stating that the NNWPC reviewed the tentative budget for fiscal

year 2010-2011 and is forwarding a recommendation to the WRWC for approval. Commissioner Seidel seconded the motion. He stated he agrees with Commissioner Ball on cutting costs where possible, including staff salary reductions in line with Washoe County. Mr. Smitherman agreed and added that staff took a 2.5% salary reduction last year and that another reduction is under discussion currently. Mr. Rhodes stated that he too took a cut to his salary in line with County employees.

Chairman Erwin called for a vote on the motion, which carried unanimously.

9. Update on the activities of the Legislative Committee to Oversee the Western Regional Water Commission

Mr. Smitherman reported that the Legislative Oversight Committee (LOC) cancelled the April 15, 2010 meeting; the next meeting is scheduled for July 15, 2010. He added that the agenda has not yet been posted. He reported that minutes for the January 2010 meeting have not been posted. He stated that at the meeting Assemblyman Bobzien was elected Chair and Senator Reedy as Vice Chair. He reported that Legislative Counsel Bureau (LCB) staff reviewed legislation from the 2009 Session.

Mr. Smitherman reported that he, Mark Foree, Commissioner Menard and Rosanna Coombes presented an overview of the WRWC's activities. They also provided an update on Washoe County Ballot Question 3 activities, as well as the consolidation of TMWA and DWR. A report was also provided on the Coordinated Monitoring Program.

Mr. Smitherman agreed to provide information as available on the July LOC meeting.

10. Program Manager's Report

Mr. Smitherman reported that he included updates on the following topics as requested or that he thought would be of interest to commissioners. He stated that the purpose of this agenda item is for Commissioners to review the information included in the agenda packets and for Commissioners to ask questions, make comments, or request additional information.

a. Status Report of Projects and Work Plan supported by the Regional Water Management Fund

The updated Status Report of Projects was provided in the agenda packets.

b. Financial report on the Regional Water Management Fund

The updated Status Report of Projects was provided in the agenda packets.

c. Truckee River Flood Management Project status report

Mr. Smitherman reported that a status update on the Truckee River Flood Project was included as an informational item.

d. Informational report from the NNWPC representative on the Truckee Meadows Water Authority Standing Advisory Committee (SAC)

Mr. Smitherman reported that Barry Winzeler was present at the SAC meeting. Mr. Winzeler reported that the SAC met on April 6, 2010 and discussed the following:

- Discussion ensued over the integration of TMWA and DWR related to land easement assessments, which will take "a long time".
- A possible increase in revenue of 4.5% in June was briefly discussed.
- The SAC raised questions regarding today's NNWPC item 6 and requested an update by Chairman Erwin.

11. Discussion and possible direction to staff regarding agenda items for the May 5, 2010,

Commission meeting and future meetings.

Mr. Smitherman stated that the next regularly scheduled NNWPC meeting would be May 5, 2010. Agenda items for the meeting include:

- Status report and activity update for the Central Truckee Meadows (Groundwater) Remediation District Program (CTMRD), Chris Benedict, Washoe County Department of Water Resources – Commissioner Price asked staff to provide information on this item. Commissioner Menard stated that the CTMRD update is scheduled for the Board of County Commissioners (BCC) next week, which is an annual process where boundaries are discussed and public hearings are scheduled. She added that there are no current plans to change the boundaries. She added that the Environmental Protection Agency (EPA) expressed possible interest in examining the PCE / TCE standards (where standards could be changed to “detectable” levels).
- Status report on the third party Truckee River total maximum daily load for nutrients (“TMDL”) work plan for the total maximum nutrients on the Truckee River, and possible direction to staff, John Buzzone, Washoe County and Terri Svetich, City of Reno.
- Status report on WRWC and NNWPC websites, and possible direction to staff, Chris Wessel, Water Management Planner.
- Review updated Policies and Procedures including procedures for meeting cancellations, John Rhodes, Legal Counsel, and possible direction to staff. Commissioner Price requested a full copy of the current Policies and Procedures.
- Status report on development of the 2011 Comprehensive Regional Water Management Plan, including outline, timeline and contractual services, and possible direction to staff, Jim Smitherman, Water Resources Program Manager.
- Program Manager’s Report, Jim Smitherman
 - Status Report of Projects and Work Plan supported by the Regional Water Management Fund
 - Financial report on the Regional Water Management Fund
 - Status report on pending integration/consolidation of the Washoe County Department of Water Resources and the Truckee Meadows Water Authority
 - Truckee River Flood Management Project status report
 - Informational report from the NNWPC representative on the Truckee Meadows Water Authority Standing Advisory Committee
- Discussion and possible direction to staff regarding agenda items for the June 2, 2010, Commission meeting and future meetings, Jim Smitherman.
- Other Informational Items

Mr. Smitherman stated that in addition to the above items for the May meeting, review of some Water Plan chapters could be added. He stated that TMWA might also be ready to provide an update with a request for continued funding for the Water Audit Program.

Chairman Erwin suggested including the revised chapters provided in the agenda packet for May to provide review time prior to the June meeting. Commissioner Price agreed that more time was needed.

Commissioner Price made a motion to approve the above agenda items for the May meeting with direction as provided. Commissioner Seidel seconded the motion, which carried unanimously.

12. Commission Comments.

None.

13. Staff Comments.

None.

14. Public Comments.

Chairman Erwin called for public comments and hearing none, closed the public comment period.

15. Adjournment.

With no further business, the meeting was adjourned at 2:55 p.m.

Respectfully submitted by,

Niki Linn, Recording Secretary

Approved by Commission in session on _____ 2010.

John Erwin, Chairman

DRAFT

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 23, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Chris Benedict, CTMRD Program Manager, DWR
SUBJECT: Status Report and activity update for the Central Truckee Meadows
(Groundwater) Remediation District (CTMRD) Program

SUMMARY

The CTMRD program was created in 1995 by state and local legislation in response to the recognition of widespread tetrachloroethene (PCE) contaminated groundwater in the central Truckee Meadows that poses a potential human health risk to local residents and water users. The CTMRD program is implemented by the Washoe County Department of Water Resources (DWR) on behalf of the Board of County Commissioners and in coordination with a stakeholder group that includes the Nevada Division of Environmental Protection (NDEP), Reno, Sparks, Truckee Meadows Water Authority (TMWA), DWR, and the Washoe County Health District (WCHD).

The principal goals of the CTMRD program are to prevent, protect, and mitigate PCE contamination in accordance with the Remediation Management Plan (RMP), which by state statute (NRS 540A.260) must accommodate “any action which is reasonable and economically feasible in the event of the release or threat of release of any hazardous substance which may affect the water quality in this state.” The RMP defines the activities, processes, and procedures utilized by program stakeholders to address the PCE contamination of in the central Truckee Meadows.

This status presentation will provide a brief background to and current overview of the PCE problem in the central Truckee Meadows basin (the “State of the Science”) along with an update of CTMRD program activities to date. These activities include:

- Protecting and treating the resource needed to meet municipal water demands;
- Ongoing groundwater monitoring and investigations;
- PCE source management and potential source area investigations; and,
- Updating the Remediation Management Plan to reflect what we now know about the PCE problem in the central Truckee Meadows and how stakeholder agencies can best work together to prevent, protect, and mitigate PCE contamination.

PREVIOUS ACTION

No previous action

FISCAL IMPACT

No fiscal impact.

RECOMMENDATION

It is recommended that the Commission receive the status report and activity update on the CTMRD, and obtain answers to any questions they may have. This is an informational item and no action is required.

CB



STAFF REPORT

TO: Northern Nevada Water Planning Commission
Western Regional Water Commission

FROM: Lora Rose Richards, Conservation & Community Education Administrator

DATE: February 10, 2010

SUBJECT: **2010 Water Usage Review Program**

Recommendation

Staff requests the Northern Nevada Water Planning Commission (NNWPC) allocate \$64,100 for the 2010 Water Usage Review. The NNWPC has supported the program with 60% of funding since its inception in 2003. The program has been highly successful for TMWA and continues to grow in popularity and demand.

Background

In 2003, TMWA initiated a pilot residential water audit program to help the RWPC further its water conservation goals. The pilot was considered a success and the program has expanded over time. The table below summarizes the number and type of water use reviews conducted to-date.

	Total	Commercial	Residential	Reno	Sparks	Washoe Co.
2009	2,675	300	2,375	1,766	787	122
2008	2,461	265	2,196	1,601	769	91
2007	2,025	221	1,804	1,290	645	90
2006	731	70	661	469	238	24
2005	894	123	771	538	281	75
2004	497	66	431	324	135	38
2003	444	42	402	275	149	20

In 2009, 2,675 water use reviews were conducted, an increase of 8% over 2008. Eighty-nine percent of the reviews conducted in 2009 were residential and 11% were commercial reviews; the same percentage splits as in 2008 and 2007. The proportion of water use reviews by jurisdiction was similar in 2009 as in 2008: approximately 65% of the total performed in 2009 were in Reno, 30% were in Sparks, and the remaining 5% were in Washoe County. The water use reviews were provided for TMWA retail customers.

Discussion

Customer response to this program continues to be extremely positive. Working with customers one-on-one at their homes and businesses where auditors can advise them of ways to better manage their on-site water use, based on site characteristics, is highly effective. In light of the current economic recession, customers who realize water savings through this program are

grateful for assistance with lowering their bills and understanding better how conservation works in our community.

General findings from the 2009 program are similar to past years. The majority of recommendations for residential water conservation involve outdoor water use. One of the major sources of outdoor water inefficiency is inappropriate settings on irrigation clocks. Water auditors more often recommend reduced watering times for lawns and landscapes. When addressing indoor water use, water efficiency improvements are primarily related to toilets.

TMWA considers the Water Usage Review Program a success in expanding awareness of responsible water use through on-site customer education. Based on strong customer interest in the program, TMWA is continuing its program in 2010.

The following budget shows the total 2010 estimated program cost of approximately \$107,000. This budget is the same as the 2009 estimated program cost. In previous years, TMWA has received an allocation of 60% of the program budget from the WRWC/NNWPC and the RWPC.

2010 Cost Proposal

Cost Item	Comment	Estimated Total Cost	Proposed NNWPC Share	Proposed TMWA Share
Salaries & Expenses	(1)	\$89,856	\$64,114	\$25,742
Vehicle(s) & Fuel	(2)	\$12,500	\$0	\$12,500
Equipment & Supplies	(3)	\$3,000	\$0	\$3,000
Outreach		\$1,500	\$0	\$1,500
Total Estimated Program Cost		\$106,856	\$64,114	\$42,742
Recommended NNWPC/WRWC Funding for 2010			\$64,100	

(1) Average hourly rate of \$21.61 includes auditor salary plus FICA, Medicare, and workman's comp.

Assumes 1 full time auditor (2080 hours) and 2 half time auditors (1,039 hours per auditor).

(2) Based on 2010 mileage rate of \$0.50 per mile

(3) Includes wireless computers, telephone, auditing equipment & supplies, office supplies, and clothing

TMWA requests the ability to shift funding between line items if costs necessitate a transfer of funds. Any funds remaining after December 2010 will either be refunded to the NNWPC or used for program continuation in 2011.

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 23, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Dan St. John, P.E. Washoe County Public Works Director
Walter H. West, P.E., Licensed Engineer
THROUGH: Jim Smitherman, Water Resources Program Manager
SUBJECT: Presentation and discussion of final report for “Marlin and Lemmon Channels, Floodplain Analysis & Improvement Alternatives” with recommendation to accept the report prepared by Manhard Consulting; consider and discuss a funding request from Washoe County in the Amount of \$15,000 to prepare a FEMA Pre-Disaster Mitigation Grant Application and recommendation of approval to the Western Regional Water Commission

SUMMARY:

Upon approval of funding by the Western Regional Water Commission, Manhard Consulting, Ltd prepared a report of their hydrologic and hydraulic analysis entitled *Marlin and Lemmon Channels, Floodplain Analysis and Improvement Alternatives* dated February, 2010. This agenda item summarizes the results of the report and provides the proposed next steps in County’s efforts to reduce flood risk and damage including a funding request in the amount of \$15,000.

BACKGROUND:

The Marlin Channel located in Golden Valley and Lemmon Drive Channel (Lemmon Channel) have a history of flooding during significant flood events with the latest occurrence being in December 2005. The Marlin Channel receives drainage from developed properties including a large contribution from a detention pond constructed with the North Valleys High School. Drainage from Marlin Channel/Golden Valley routes north, combining with runoff from other tributary areas, to the Lemmon Channel. The total contributory watershed to the Lemmon Channel is estimated at 10.9 square miles which is about 25% of the approximate 40 square miles total watershed draining to Swan Lake.

On January 7, 2009, the Northern Nevada Water Planning Commission considered the request of Washoe County and recommended approval of funding amounting to \$50,000 for a hydrologic and hydraulic analysis of Marlin and Lemmon Channels. The Western Regional Water Commission approved the funding request on March 13, 2009. Manhard Consulting has completed its analysis and has submitted its final report.

DISCUSSION:

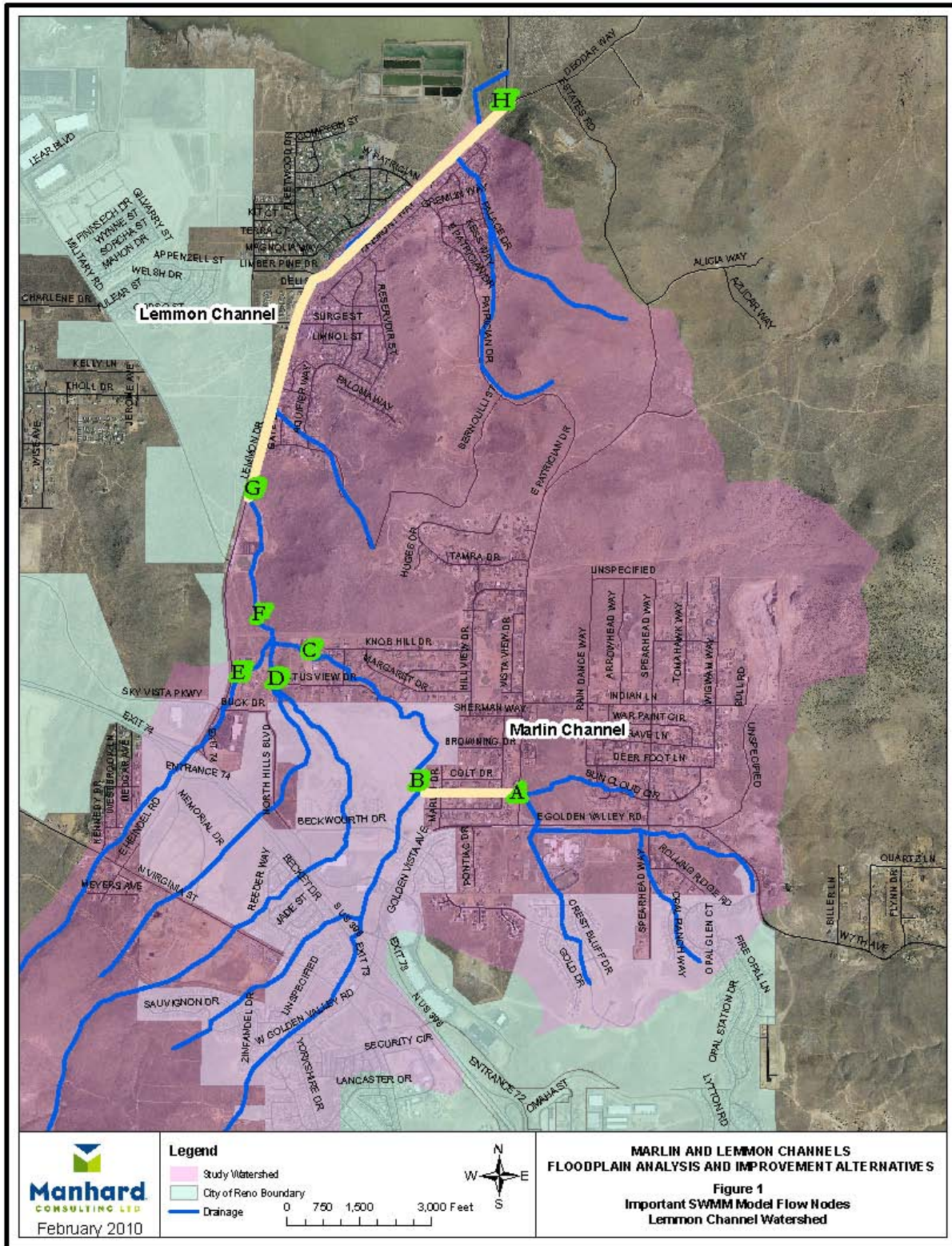
Hydrologic modeling was accomplished utilizing the Environmental Protection Agency (EPA) Stormwater Management Model (SWMM5). The Marlin/Lemmon modeling effort was facilitated using the optimized parameters calibrated in the recently completed *Truckee River Regional Hydrologic Analysis* prepared for the City of Reno. This regional study was calibrated and verified against 28 USGS streamflow gages along the Truckee River and Steamboat Creek for the most recent notable storm events (2008, 2005, and 1997 storm events). Washoe County provided topographic contours and aerial photography and also provided supplementary field survey measurements of existing drainage structures and channels.

Table 5.1 provides a summary of existing peak flow rates for 10-year through 100-year return frequency events for key SWMM model flow nodes which are shown on Figure 1. Nodes A and B represent the upper and lower points of the Marlin Channel. Nodes G and H represent the upper and lower points of the Lemmon Channel.

Table 5-1: Existing Conditions 24-Hr Peak Flows (cfs) and Times to Peaks

Node	10-Year		25-Year		50-Year		100-Year	
	Peak Flow (cfs)	Time to Peak (hrs)	Peak Flow (cfs)	Time to Peak (hrs)	Peak Flow (cfs)	Time to Peak (hrs)	Peak Flow (cfs)	Time to Peak (hrs)
A	220	12:40	290	13:20	428	12:37	552	12:25
B	241	12:43	312	12:47	350	12:37	631	12:36
C	275	13:13	374	13:11	436	13:14	538	13:36
D	101	12:28	163	12:26	223	12:24	288	12:24
E	108	12:19	208	13:30	344	13:07	388	12:44
F	395	13:07	695	13:26	933	13:19	1190	12:57
G	399	13:15	701	13:32	943	13:24	1206	13:04
H	323	13:53	595	14:12	664	14:23	672	15:26

Figure 1
Important SWMM Model Flow Nodes

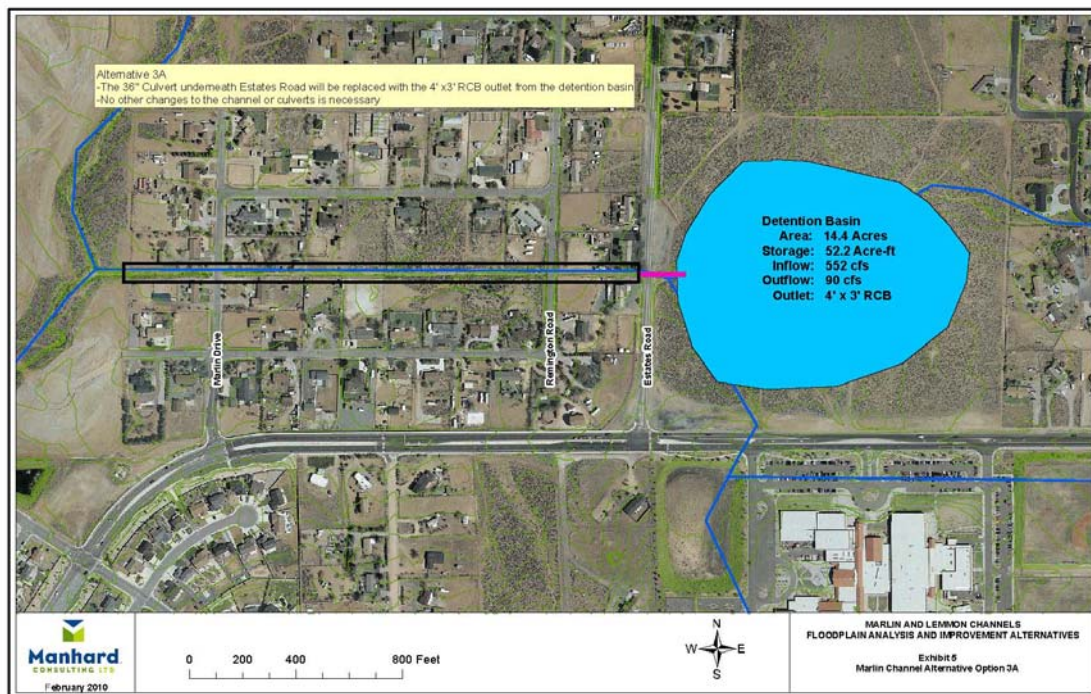


Marlin Channel Summary

The Marlin Channel is a relatively small facility being 3 feet deep by 20 feet wide at the top. The limiting capacity of the existing channel/culvert system occurs immediately upstream of the Marlin Drive culvert and is estimated at 92 cfs. Using this peak flow as the maximum safe capacity of the Marlin Channel system, the Marlin Channel has conveyance capacity equating to an approximate 5-year storm event. The 100-year peak flow is estimated at 552 cfs.

Manhard was tasked to develop alternative solutions to increase capacity of Marlin Channel with the goal to reduce or completely contain the flood plain to within the channel. Three alternatives were considered including fully piping of Marlin Channel, enlarging the Marlin Channel and roadway culverts to convey the entire peak flow, and construction of a detention facility to reduce outfall peak flow to a manageable level. Piping was determined to be cost prohibitive. Enlarging the channel and culverts to fully convey the 100-year peak flow was determined not feasible due to the large channel footprint that would be required which would significantly impact the existing property. The flood detention facility alternative evaluated two sub-alternates. Alternate 3A included the construction of a detention basin sized to limit flow to the existing maximum capacity of 92 cfs. Alternate 3B included the installation of a detention basin to reduce the outfall peak flow to 240 cfs and upsizing of the channel and culvert crossings. Alternative 3A was identified as the most economical solution at an estimated cost approaching \$840,000. Alternate 3B was almost double the cost at \$1.5 million. Exhibit 5 shows the schematic improvements for Alternate 3A.

Exhibit 5
Marlin Channel Alternative Option 3A



In order to determine cost effectiveness for Alternate 3A which could make it a candidate for Pre-Disaster Mitigation (PDM) grant funding through FEMA, Washoe County authorized the expansion of Manhard's original scope of work, with approval of NNWPC staff, to include a Benefit Cost Analysis (BCA). To be eligible for a PDM grant, a project must demonstrate cost effectiveness, and to be cost effective, the benefits derived from the improvement must exceed the cost of the improvement (Benefit Cost Ratio >1). Benefit is defined as cost avoidance (damages that would be avoided with the construction of a project) and is determined using FEMA's "Mitigation BCA Toolkit" computer program which requires the input of structure finished floor elevations and base flood elevations. At this level of analysis, finished floor elevations were estimated using GIS topo mapping with the margin of error felt to be roughly 0.5 feet from the actual finished floor elevations. Cost for the project was obtained from the preliminary cost estimate.

Manhard included a BCA analysis for two scenarios: 1) benefits and costs using the existing FIS peak flow of 969 cfs (costs were increased by 20% due to higher flow requiring a larger basin); and 2) benefits and costs using modeled flow of 552 cfs. The BCA for the larger FIS flow was included because it is likely that FEMA would require that the higher flow rate be accounted for in the analysis and grant application.

Table 7-4 summarizes the BCA for both scenarios. It should be noted that the actual estimated benefits determined for this analysis were in excess of \$14 million and that the benefits shown in Table 7-4 were reduced by 50% to account for the approximations of finished floor elevations.

**Table 7-4: Marlin Channel Benefit Cost Results
FEMA FIS Peak Flows and Modeled Peak Flows**

	Estimated Benefit	Estimated Cost Alternative 3A	Benefit Cost Ratio
FIS Peak Flows	\$7,149,641	\$1,004,951	7.1
Modeled Peak Flows	\$7,107,674	\$837,459	8.5

Marlin Channel Conclusions:

In conclusion, this study suggests that a flood detention project as identified in Alternative 3A would provide significant flood hazard risk reduction. With the flood detention facility, Washoe County and City of Reno would see benefits through better managed stormwater conveyance and reduced peak flows and erosion capacity downstream. Accordingly, Washoe County desires to move forward with a capital project. Potential funding for this project exists from FEMA through their Pre-Disaster Mitigation Grant Program. A grant application is required and a scope of work has been developed to include two tasks. The first task would be to obtain actual field measured finished floor elevations and prepare a final BCA analysis to confirm project cost effectiveness. If the project continues to demonstrate a favorable BCR then we would proceed with the second phase being the preparation and submittal of a PDM grant application to FEMA for consideration. We anticipate a funding estimate of \$5,000 for Task 1 and an additional \$10,000 to complete the application process. Manhard Consulting has prepared a draft proposal

and scope of work which is included as Exhibit A. We understand and anticipate at least an 18 month process from the time of submittal of the grant application to any award.

PDM grants require a 25% match from the local agency which can be in the form of in-kind services and direct cash funding. Washoe County is committed to funding this project primarily from in-kind services and supplemented with direct cash funding as needed through its capital improvement program.

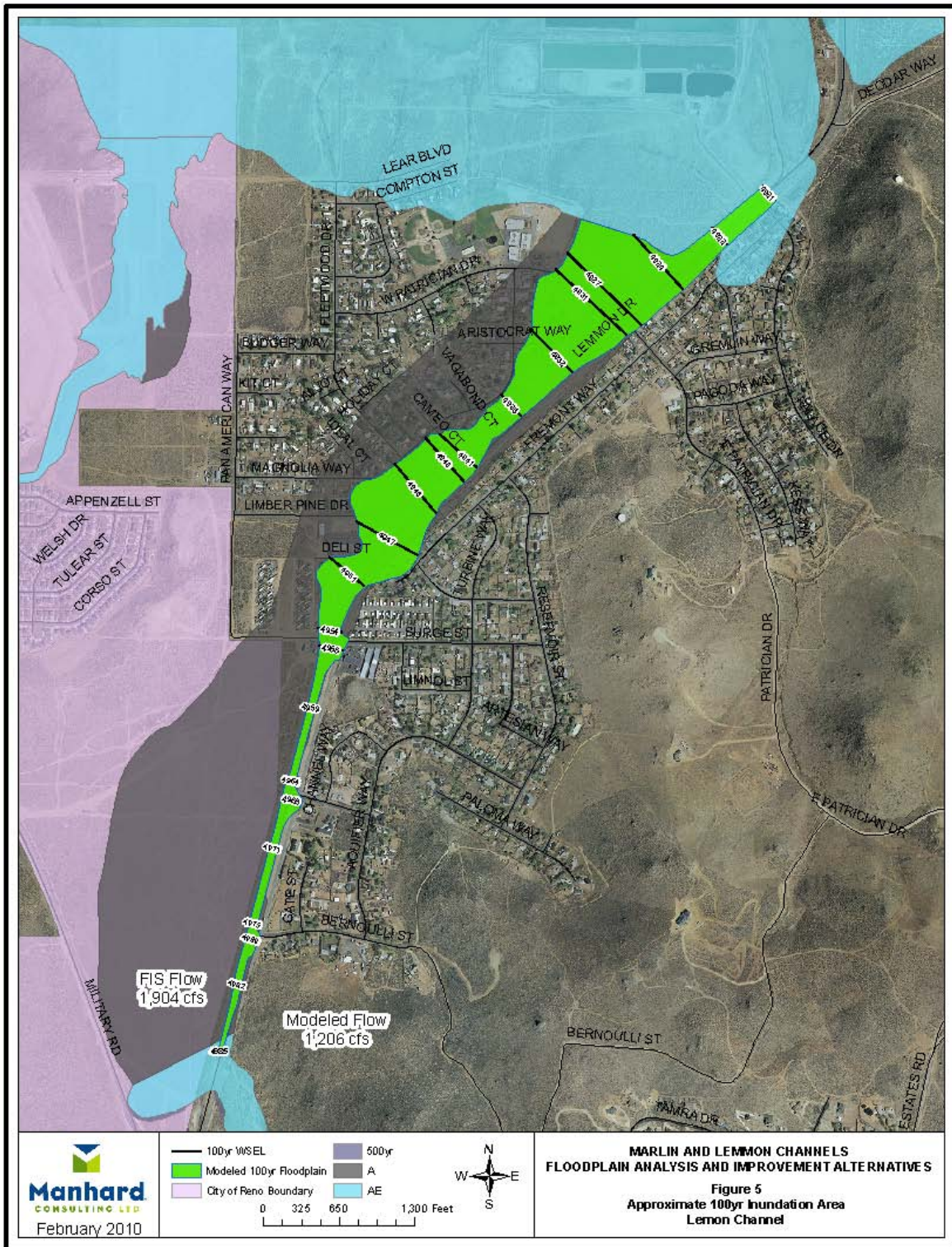
Lemmon Channel Summary

This channel is approximately 9,800 feet long and is primarily an earthen channel approximately 5 feet in depth with a 40 foot top width. There are eight culvert/bridge crossings along the alignment. Estimates of peak flow were determined for 10-year through 100-year storm events. The 100-year peak flow determined at Node G (the beginning of the Lemmon Channel) is estimated at 1,206 cfs. The safe system capacity was determined to be the limiting feature of the Surge Street Bridge crossing having a capacity of 636 cfs. The safe conveyance capacity of the Lemmon Channel system corresponds to a 20-year storm event. Overtopping and flooding does occur during the 100-year storm event. Figure 5 shows the inundation area for both the modeled peak flow (green shading) and the FIS peak flow (gray and blue shading).

Manhard was tasked with developing alternatives to increase the conveyance capacity of Lemmon Channel. Three alternatives were considered for the conveyance of the 100-year storm event which included an underground storm drain, an upstream and/or off-line stormwater detention facility, and improvements to the existing channel and culverts. The underground storm drain system was quickly determined to be cost prohibitive. The large required storage volume and the lack of well sited vacant lands made the detention basin alternative infeasible. It was determined that constructing only isolated improvements especially at upstream facilities like the Surge Street culvert crossing would only translate the flooding problem to the next downstream undersized facility thus causing flooding where none had occurred previously. Staff determined that the Lemmon Channel would require "Complete Solution" improvements to the entire channel reach, designed to pass the 100-year storm event. The "Complete Solution" includes an approximate 20 foot wide flat-bottom channel, fully lined with rip-rap for erosion and scour protection with an approximate 24' (wide) by 6' (deep) box culvert structure at each roadway crossing. The cost estimate for the "Complete Solution" approaches \$10 million.

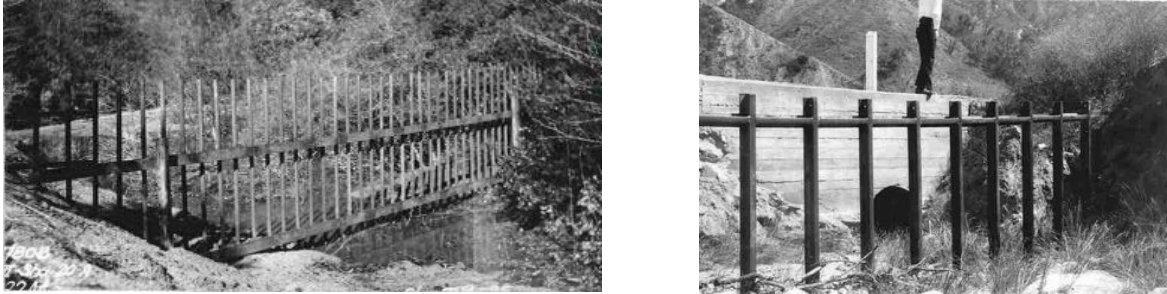
A benefit cost analysis was not included in the scope of services for Lemmon Channel. The report notes that it is highly unlikely that the damages avoided by installing the "Complete Solution" would compare favorably to the estimated \$10 million cost of improvements. Because a detailed benefit cost analysis would likely not demonstrate this project to be cost effective, the project would not be a candidate to receive PDM grant funding.

Figure 5
Approximate Inundation Area
Lemmon Channel



Washoe County asked for recommended improvements to better control debris flow (brush, trees) which have led to reduction of existing capacity during extreme events. The report provides an alternative which includes post and rail debris racks as shown in Photo 1. Installation of a trash rack mounted on the inlet side of a culvert can significantly reduce the culvert capacity and therefore is not recommended. A rack similar as shown below may be situated immediately upstream of the first box culvert crossing of Lemmon Drive. This would require obtaining the appropriate access rights for construction and maintenance from the property owner.

Photo 1: Post and Rail Debris Racks



Lemmon Channel Conclusions:

No improvements, other than possible debris control racks, are proposed at this time. Washoe County will evaluate at a future date the feasibility of installing a post and rail debris rack. There is also the potential to submit a Letter of Map Revision – based on hydrology application to FEMA to re-map the 100-year flood plain which likely can be accomplished with a single LOMR application for both Marlin and Lemmon Channels.

RECOMMENDATION:

Staff recommends acceptance of the report prepared by Manhard Consulting, LTD. titled *Marlin and Lemmon Channels, Floodplain Analysis and Improvement Alternatives, dated February, 2010*; endorsement of the workscope and funding in the amount of \$15,000 for the preparation and submittal of a Pre-Disaster Mitigation Grant application for the construction of a stormwater detention facility and a recommendation to the Western Regional Water Commission for approval.

POSSIBLE MOTION:

Move to approve the staff recommendation.

attachments: Manhard Consulting Proposal and Scope of Work



Civil Engineers
Surveyors
Water Resources Engineers
Water & Wastewater Engineers
Construction Managers
Environmental Scientists
Landscape Architects
Planners

April 21, 2010

Mr. Dan St. John, PE
Public Works Director
Washoe County Department of Public Works
1001 E. Ninth St.
Reno, NV 89520-0027.

**RE: Addendum #2 – FEMA Grant Application for Marlin Channel
Marlin And Lemmon Channels Stormwater And Flooding Analyses
Washoe County, Nevada**

Dear Mr. St. John:

Thank you for this opportunity to continue to support Washoe County (County) with professional engineering services. Manhard Consulting, Ltd. (Manhard) is pleased to provide the County with the following addendum (Tasks 7 and 8) to our original scope of work for the above referenced project. Manhard offers to provide the following services in accordance with our 2010 Schedule of Time and Materials Rates (Exhibit A) as detailed below. Exhibit A is unchanged from our original scope of work and agreement.

SCOPE OF WORK

Task 7 – Enhanced FEMA Grant Screening Services for the Marlin Channel

In addition to the preliminary FEMA Grant Screening service provided in previous Task 6, Manhard will provide the following services to further define and detail the opportunities and constraints for a FEMA Pre-Disaster Mitigation (PDM) Grant for the Marlin Channel project area:

- a. Field survey finish floor elevations for homes within the Marlin Channel 100-year floodplain anticipated to be benefited by a PDM grant. This effort may require providing advance notice to the residence of the homes, which is assumed to be a service Washoe County would provide and is not included in this estimate at this time. We anticipate this surveying would occur during the month of May 2010.
- b. Revise and update the preliminary Benefit-Cost Analysis (BCA) previously prepared in Task 6 to reflect any changes due to revised finish floor elevations confirmed with the field survey (above).
- c. Meet with representatives from the Nevada State Divisions of Emergency Management (DEM) and Water Resources (NDWR) to introduce the Marlin Channel PDM grant concept and discuss the revised BCA for the grant opportunity. This meeting is anticipated for the first week in June 2010 - prior to the official Notice of Interest deadline.

Task 8 – FEMA PDM Grant Application and Processing for the Marlin Channel

Following the services outline in Task 7 above, Manhard will provide the requisite professional engineering services to complete the subsequent FEMA PDM grant application:

- Prepare and assist the County with the submittal of the Notice of Interest form to the State DEM for the grant (due by June 10, 2010);
- Prepare the Scope of Work and BCA for the grant and assist the County with the submittal of these items to the State DEM (due August 5, 2010);
- Prepare and assist the County with the submittal of the full e-Grant application (with all required back-up documentation) for the PDM grant (due October 28, 2010);
- Represent the grant application and provide a formal grant application presentation to the Nevada Hazard Mitigation Planning Committee (NHMPC) at the November 18, 2010 meeting;
- Coordinate and assist the County and the State DEM with the final e-grant application submission (due November 29, 2010);
- Continue to support and assist the County and the State with needed information throughout the 2010-2011 grant processing and selection period.

FEE ESTIMATE

The time and materials fee estimate for these tasks are listed below:

Task 7 – Enhanced FEMA Grant Screening Services for the Marlin Channel: \$5,000

Task 8 – FEMA PDM Grant Application and Processing for the Marlin Channel: \$10,000

The total fee for both tasks is \$15,000. Manhard will not exceed this fee estimate without written authorization from the County.

Again, thank you for the opportunity to submit this addendum proposal. Should you have any questions, please do not hesitate to contact me at 775.690.3869 (cell) or 775.332.4720 (office).

Sincerely,

Manhard Consulting, Ltd.



Denny Peters, PE, PH
West Region Director of Water Resources
Professional Hydrologist

EXHIBIT A
SCHEDULE OF TIME
AND MATERIAL RATES FOR 2010

CATEGORY	HOURLY RATES
President/Executive Vice-President	\$175.00
Vice President	\$165.00 - \$190.00
Area Manager	\$145.00
Director	\$130.00 - \$170.00
Senior Project Manager	\$120.00 - \$160.00
Project Manager	\$100.00 - \$135.00
Project Engineer	\$92.00 - \$100.00
Staff Engineer	\$78.00 - \$85.00
Senior Planner	\$105.00 - \$140.00
Land Planner	\$75.00 - \$92.00
Landscape Designer/Architect	\$75.00 - \$85.00
Environmental Scientist	\$70.00 - \$95.00
Operations Manager	\$100.00
Operator	\$55.00 - \$72.00
Project Surveyor	\$100.00
Staff Surveyor	\$75.00 - \$85.00
Construction Manager/Coordinator	\$75.00 - \$115.00
Field Crew Chief	\$100.00
Instrument Person	\$58.00
Survey/Construction Technician	\$60.00 - \$75.00
Remediation Field Technician	\$70.00 - \$80.00
GPS Base Station w/Two Receivers	\$30.00
Geodimeter	\$20.00
Engineering CADD Technician	\$75.00 - \$90.00
CADD Work Station	\$42.00
2-Person Crew	\$160.00
3-Person Crew	\$216.00
Administrative Assistant	\$48.00 - \$62.00
Expert Testimony & Depositions	150% of Std. Rate
	SF RATES
Printing – Paper	\$0.15
Printing – Vellum	\$1.75
Printing – Mylar, Film, Clear Acetate	\$2.50

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 23, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Dan St. John, P.E. Washoe County Public Works Director
Walter H. West, P.E., Licensed Engineer
THROUGH: Jim Smitherman, Water Resources Program Manager
SUBJECT: Presentation of Status Report of West Spanish Springs Hydrologic Analysis Report prepared by Gray and Associates.

SUMMARY:

In response to recent flood events, the West Spanish Springs Hydrologic Analysis was prepared to identify possible solutions to reduce flooding to West Spanish Springs area. The Status Report of the West Spanish Springs Hydrologic Analysis summarizes the findings and provides Washoe County's next steps.

DISCUSSION

On June 20th and 21st, 2002 and on July 11, 2005 severe thunderstorm events caused significant flooding along the east and west foothill areas of Spanish Springs. Within the Washoe County jurisdictional area of West Spanish Springs where this hydrologic analysis was focused, residential structures and property, the Spanish Springs High School, private drainage systems owned and maintained by area homeowner associations, and public roadways and drainage systems were significantly affected from large quantities of sediment-laden runoff. Culverts and ditches at many locations were either overtopped due to excessive flow or the capacity was compromised due to clogging from sediment. Roadways located at the lowest point of the watershed were flooded to depths of up to 3 feet. The Board of County Commissioners authorized the hydrologic study of the area in April of 2008 and a contract was awarded to Gray and Associates. The study area is shown on the attached Exhibit 1. Exhibit 2 illustrates the effects of localized flooding.

The report identified a suite of proposed drainage improvements ranging from sediment and detention basin upgrades located along the west boundary of the residential subdivisions both north and south of Eagle Canyon Blvd. and culvert upgrades at several road crossings. The attached Exhibit 3 illustrates the recommended improvements which includes the expansion of an existing detention basin (Basins F), construction of two new basins (A1 and C) and culvert crossing upgrades (two along Beau Drive and one at Gadwall Way). Figure 1 summarizes the estimated cost to construct the proposed detention facilities. It should be noted that the analysis

assumes a 100-year design storm. During final analysis, the design storm will be selected to optimize the cost vs. benefit of the project.

Figure 1
Detention Basin Cost Estimate
100-year Design Storm Event

Detention Basin Reference ID#	Preliminary Cost Estimate
A1	\$750,000
C	\$400,000
F	\$1,800,000

The next steps for Washoe County Public Works include right-of-way acquisition for the sites C and F and to upgrade the culvert crossings as the department budget allows. Sites C and F are located on BLM land allowing advance acquisition without significant funding outlay. Site A1 is located on private land and thus no right-of-way acquisition efforts will be expended until a dedicated funding source is available. Construction of the detention facilities will be a likely priority for Washoe County once funding becomes available.

RECOMMENDATION:

Staff recommends acknowledgement and acceptance of the status report for West Spanish Springs Hydrologic Analysis.

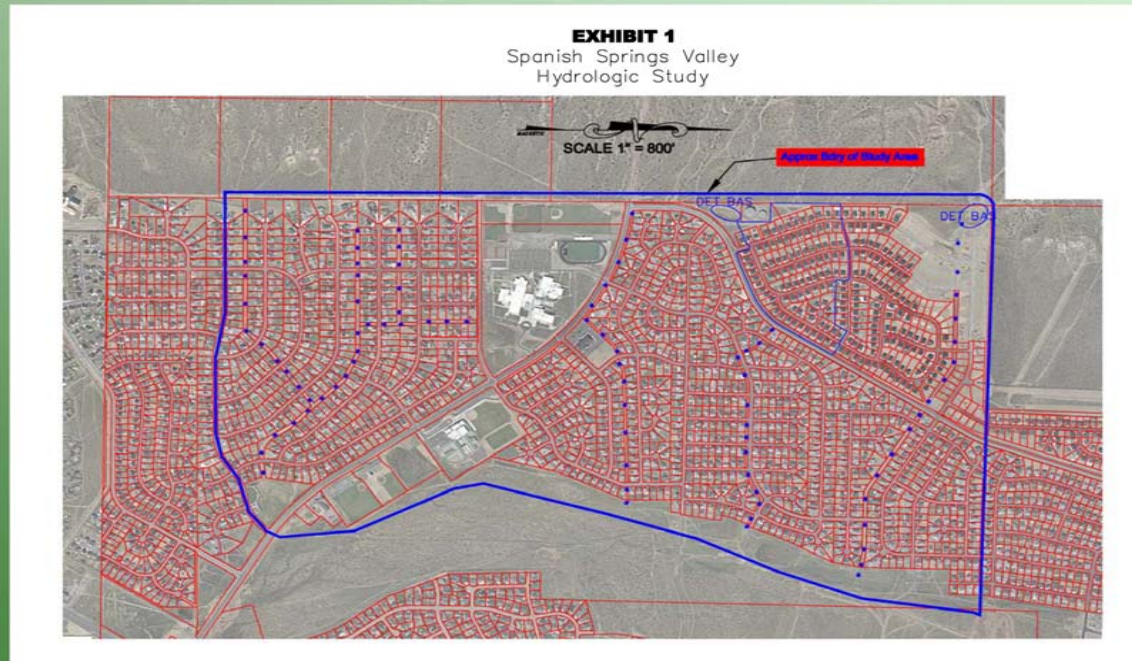
POSSIBLE MOTION:

A possible motion would be to acknowledge and accept the status report as recommended by staff.

Exhibit 1- Study Area

Status Report

West Spanish Springs Hydrologic Analysis



• Report prepared by Gray and Associates, December 17, 2008

Exhibit 1

Exhibit 2- Results of Flooding

West Spanish Springs Hydrology Analysis

- Historical Flood Events
 - June 2002 – Summer Thunderstorm
 - July 2005 – Summer Thunderstorm

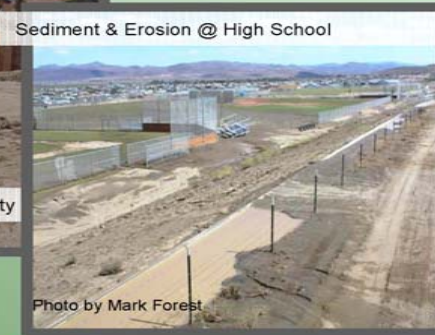


Exhibit 3- Proposed Improvements

West Spanish Springs Hydrology Analysis

- Report's Recommended Improvements
 - Detention/Sedimentation Basins
 - Culvert Upsizing at select locations
 - Other Misc. Best Management Practice (BMP's) improvements



Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 23, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Dan St. John, P.E. Washoe County Public Works Director
Walter H. West, P.E., Licensed Engineer
THROUGH: Jim Smitherman, Water Resources Program Manager
SUBJECT: Presentation of Status Report of Stormwater Management Efforts of Washoe County Related To The Potential Establishment of an Un-Incorporated Washoe County Stormwater Utility District.

SUMMARY:

This item provides a status report of Washoe County's efforts to establish an un-incorporated County wide stormwater utility district to provide a funding mechanism for: 1) capital improvements for new drainage structures and to bring existing facilities to appropriate standards; 2) maintaining existing Stormwater Management facilities; 3) maintaining irrigation ditches that are integral to the Stormwater systems; 4) maintaining and repay debt on the North Spanish Springs Regional Stormwater Management Project; and 5) water quality operations for Clean Water Act compliance, i.e., NPDES within Truckee River and Tahoe.

DISCUSSION:

Washoe County has over several decades identified through its development of stormwater master/facility plans areas which routinely flood during moderate to extreme precipitation events due to undersized or underperforming stormwater facilities. Many of these deficiencies are the result of early development done without the benefit of regulatory design standards. Many of the known deficiencies were again highlighted during the December 2005 flood event where localized flooding again occurred. Washoe County was able to address many of the recurring hot spots primarily using in-house Roads Division resources but others requiring larger capital outlays remain. In the case of the North Spanish Springs Flood Detention Facility, a regional stormwater detention facility to mitigate increases in stormwater peak flow from the surrounding development, the increased cost of the project as well as now invalid assumptions due to the downturn of the economy have resulted in an inadequate funding stream to service the debt and to provide routine maintenance. On other fronts related to stormwater quality, continuing tightening of Federal regulations to obtain compliance to the Clean Water Act, often as unfunded mandates, increases the challenge Washoe County faces in providing the necessary funding.

The existing funding paradigm of budgeting capital expenditures for new stormwater facilities and associated maintenance through the County's General Fund has proved inadequate to meet the expanding requirements. On February 24, 2009 Washoe County Board of County Commissioners approved a recommendation of the Public Works staff to explore the potential creation of an un-incorporated Washoe County wide utility district with the goal to shift from General Fund funding of all stormwater related functions to that of a Utility District based funding. Staff was directed to explore the following issues:

1. Use of CAB's and other public information tools to dialogue directly with beneficiaries and funders of a county-wide stormwater utility.
2. Potential to leverage FEMA or other agency funding to provide direct grants or loans to affected homeowners.
3. Other funding sources for a stormwater utility.
4. Nexus between costs and benefits.
5. Prioritization of projects and programs to assure fairness for all areas within the County.
6. Relationship with "Rates and Tolls" under consideration by the TRFP Coordinating Committee.
7. Financial criteria (i.e., Benefit Cost Ratio) standard to assure best projects are procured.
8. study ways to coordinate with the Truckee River Flood Project in order t to maximize efficiency, integrate cost structure and avoid duplicative expenses.

A Rate Study is currently underway by the FCS Group, the same firm tasked with development of the Truckee River Flood Project's rate analysis. Selection of this firm was in keeping with Item 8 where the work accomplished for the flood project will be leveraged in the preparation of the utility district rate study. Washoe County staff is currently reviewing three final draft position papers which identify key issues to be explored.

Currently, it is proposed that rollout of a county wide utility district will occur in two phases. Phase 1 would be implemented to address the funding deficiencies of the North Spanish Springs Flood Detention Facility and Phase 2 addressing the remaining un-incorporated county would follow. A presentation to the Board of County Commissioners addressing the issues noted above is expected in late fall of 2010 with implementation of Phase 1 and possibly Phase 2 in early 2011.

RECOMMENDATION:

Staff recommends the acknowledgement and acceptance of the status report of stormwater management efforts of Washoe County related to the potential establishment of an un-incorporated Washoe County stormwater utility district.

POSSIBLE MOTION:

Move to approve the acceptance of the status report as recommended by staff.

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 27, 2010

TO: Chairman and Members, Northern Nevada Water Planning Commission

FROM: Jim Smitherman, Water Resources Program Manager

SUBJECT: Review and possible approval of the fiscal year 2010-2011 routine operating budget for non-staff services, and possible direction to staff

SUMMARY

In 2009, the Western Regional Water Commission (“WRWC”) authorized the Program Manager to approve invoices submitted to the WRWC and, to approve in-budget expenditures from the Regional Water Management Fund (“RWMF”) not to exceed \$25,000 upon recommendation of the Northern Nevada Water Planning Commission (“NNWPC”) and to sign contracts for the same (see attached Resolution No. 3). To maintain consistency with the WRWC’s delegation of authority and the NNWPC’s actions last year, staff has prepared a routine operating budget for non-staff services (attached) which, with NNWPC approval, will allow the Program Manager to procure such services and supplies in fiscal year (“FY”) 2010-2011 without placing individual items for each expenditure on future NNWPC agendas.

BACKGROUND

The NNWPC reviewed and approved the FY 2010-2011 routine operating budget for non-staff services on April 7, 2010, and recommended it to the WRWC as part of the FY 2010-2011 tentative budget.

At a regular meeting held December 12, 2008, the WRWC voted “to designate Jim Smitherman, WRWC Program Manager, as the person authorized to approve invoices submitted to the WRWC, and approve in-budget expenditures from the RWMF not to exceed \$25,000 upon recommendation of the NNWPC, including the authority to authorize routine operational expenditures.”

On January 9, 2009, the WRWC adopted Resolution No. 3 to formalize and clarify its December 12, 2008, action designating the Program Manager as the person authorized to approve invoices submitted to the WRWC; and also authorize the Program Manager to approve in-budget expenditures from the RWMF not to exceed \$25,000 upon recommendation of the NNWPC and to sign contracts for the same.

FISCAL IMPACT

No fiscal impact

RECOMMENDATION

Staff recommends that the NNWPC review and approve the FY 2010-2011 routine operating budget for non-staff services.

POSSIBLE MOTION

Move to approve the staff recommendation.

JS:jd

Attachments: WRWC Resolution No.3
FY 2009–2010 Routine Operating Budget for Non-staff Services

WESTERN REGIONAL WATER COMMISSION

RESOLUTION NO. 3

A RESOLUTION DELEGATING CERTAIN AUTHORITY TO THE WESTERN REGIONAL WATER COMMISSION PROGRAM MANAGER

WHEREAS, at a regular meeting held December 12, 2008, the Board of Trustees of the Western Regional Water Commission voted to designate Jim Smitherman, Western Regional Water Commission Program Manager, as the person authorized to approve invoices submitted to the Western Regional Water Commission, and approve in-budget expenditures from the Western Regional Management Fund not to exceed \$25,000 upon recommendation of the Northern Nevada Water Planning Commission, including the authority to authorize routine operational expenditures; and

WHEREAS, legal counsel for the Board has recommended that the above action be clarified by the adoption of this formal Resolution.

NOW, THEREFORE, IT IS RESOLVED that Jim Smitherman, Western Regional Water Commission Program Manager, be, and is hereby, designated as the person authorized to approve invoices submitted to the Western Regional Water Commission, and is delegated the authority to do so.

IT IS FURTHER RESOLVED that Jim Smitherman, Western Regional Water Commission Program Manager be, and is hereby, delegated the authority to approve in-budget expenditures from the Western Regional Management Fund not to exceed \$25,000 per project upon recommendation of the Northern Nevada Water Planning Commission, and to sign contracts for the same.

WESTERN REGIONAL WATER COMMISSION

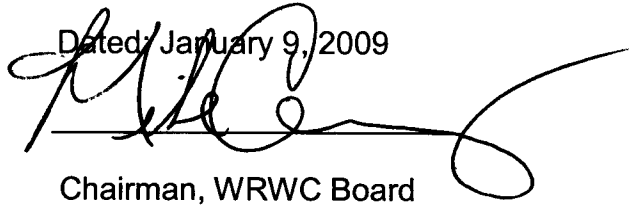
RESOLUTION NO. 3 (continued)

Upon motion of Martini, seconded by Cohen, the foregoing Resolution was approved and adopted January 9, 2009, by the following vote of the Board of Trustees:

Ayes: Aiazzi, Cohen, Larkin, Martini, Smith

Nays: Carrigan

Abstain: None Absent: Cashell, Weber

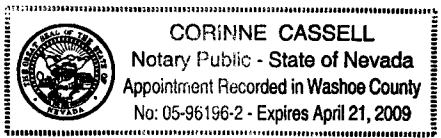
Dated: January 9, 2009

Chairman, WRWC Board

STATE OF NEVADA

COUNTY OF WASHOE

On the 9th day of January, 2009, personally appeared before me, a Notary Public, Mike Carrigan, known to me to be the Chairman of the Board of Trustees of the Western Regional Water Commission, who acknowledged that he executed the foregoing Resolution.


Notary Public



Western Regional Water Commission

Fiscal Year 2010 - 2011 Routine Operating Budget for Non-staff Services

Expense	2010/2011 Budget	Expense Description/Example
Minutes	\$20,000	Annual service contract to provide for recording of meetings and transcription of minutes.
Website	\$20,000	Contract for initial website development; website content and design services; annual website updating, maintenance, and hosting; specialized programming services; digital library development and updating; hosting, development and maintenance of SharePoint site; licensing fees, software and software updates, training/programming reference materials.
Video Coverage	\$10,000	Annual expense for video coverage of WRWC and NNWPC meetings.
CAFR & Audit	\$23,000	Annual expense for CAFR development and financial audit.
Regional Training	\$3,000	Cost of training / registration for staff members <i>not covered by in-kind services</i> and other miscellaneous cost such as reference materials.
Regional Travel	\$7,000	Cost of travel <i>services</i> including transportation services, mileage reimbursement, lodging, meals and other miscellaneous cost such as parking meters, field trips, etc.
Advertising	\$10,000	Cost of advertising for public hearings and legal notices
Misc. Operating	\$10,000	Services and supplies such as printing & reproduction, publications, and public notices, refreshments for volunteer boards/commissions, GIS and other in-house member agency support (not covered by in-kind services), equipment & supplies (i.e. computers, computer related supplies such as CDs, DVDs, etc.), projectors, printers, CD label machine, poster board, reproduction services, software licensing and fees, advertising, labels, business cards, periodicals, subscriptions, books, postage & mailing, promotion and public materials, miscellaneous equipment rental.
<i>Non-Staff Services Total</i>	<i>\$103,000</i>	

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 26, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Chris Wessel, Water Management Planner
THROUGH: Jim Smitherman, Water Resources Program Manager
SUBJECT: Status report on the Western Regional Water Commission (“WRWC”) and Northern Nevada Water Planning Commission (“NNWPC”) websites; and possible direction to staff, Chris Wessel, Water Management Planner.

SUMMARY:

In 2008, the WRWC directed staff to continue development of the initial WRWC website developed by TMWA and to develop a website for the NNWPC. Staff will provide a brief interactive tour of both the WRWC and NNWPC websites and provide an update as to what remains to be accomplished.

DISCUSSION

During initial meetings of the WRWC, Commissioners indicated their preference for receiving information in electronic format. Based on this, staff began distribution of WRWC information related to meetings, agendas and staff reports electronically to members and the public through the initial website developed by TMWA. At the same time information for the NNWPC was being distributed through the NNWPC webpage on the County website, which served the former regional water planning commission. Subsequently, staff was directed to begin development of a combined website to serve both commissions.

Staff obtained several bids for the development of a website specifically for the WRWC and the NNWPC. The lowest bid was submitted by Washoe County, and was presented for consideration and approved at the February 4, 2009 NNWPC meeting.

Staff contracted with Washoe County Technical Services to host the site on the County’s server system. The decision to use Washoe County Technical Services to host website development was considered efficient in terms of updating or modifying the site and accessibility by staff for support services. It was also deemed economical, as cost for staff services are significantly less than those of outside contractors and hosting solutions.

In addition to the development of a website, staff was also asked to develop a web-based collaborative workspace where member agency staff can store, share, review and comment on documents. The document sharing routine would be developed using a product similar to SharePoint, which would be accessible to Commission members and their staff.

The following outlines the current status of the website development:

- The initial WRWC website, developed by Olsen & Associates at the request of TMWA, was transferred to the County and has been maintained as an interim site during the development of the new websites. It was determined that the functionality of the webpage was limited and that a new template was necessary to allow for the expanded development of the site.
- Technical Services purchased the necessary hardware, software and licensing needed to expand the Washoe County system capacity and set up the virtual server to host the site. Technical Services began researching various options for collaborative worksites and digital document archiving database software.
- Both the WRWC and NNWPC webpages have been developed within the new template design. Currently all meeting agendas, staff reports and minutes are posted online and can be accessed through the websites.
- Both sites have direct links to the Comprehensive Regional Water Management Plan and Plan Amendments as well as other key documents.
- Users with logins will be able to access the digital document library developed using an open source software database known as Knowledge Tree. Knowledge Tree will provide access to a variety of relevant documents and reference materials and will allow users to search the database, view documents and download digitally archived materials. Although the library is currently available in a limited capacity, its interface will continue to be developed to make it more user-friendly. The library content is limited at present but will continue to expand over time.
- Concerning the development of a collaborative workspace, staff has been advised of possible open meeting law violations if commissioners were to deliberate on documents outside of a public meeting. Staff will require clarification regarding appropriate collaborative work boundaries should the commission wish to consider this option further.

NORTHERN NEVADA WATER PLANNING COMMISSION

ADMINISTRATIVE POLICIES AND PROCEDURES

INTRODUCTION:

These Administrative Policies and Procedures shall govern the conduct of affairs of the Northern Nevada Water Planning Commission (the "Commission") created by Section 36(1) of the Western Regional Water Commission Act (the "Act"), Chapter 531, Statutes of Nevada 2007.

SECTION I – PROCEDURES AND MINUTES:

The Commission shall determine, in accordance with the provisions of the Act, its own policies, procedures, order of business, and conduct of public meetings, and shall provide for minutes of its proceedings, which shall be a public record.

SECTION II – MEETINGS:

Regular Meetings shall be held on the first Wednesday of each month, at 1:30 p.m., in a location properly noticed in accordance with the Open Meeting Law. [Act, 40(1)]

Special Meetings may be called by the Chairman or any three Members with at least three days written notice to each Member served personally or left at each Member's usual place of residence or business so long as the legal notice is in accordance with the Open Meeting Law, and action is required before a regular meeting would occur. [Act, 40(1)]

SECTION III – COMPLIANCE WITH OPEN MEETING LAW:

The Commission shall comply in all respects with the Open Meeting Law, Chapter 241, Nevada Revised Statutes.

SECTION IV – AGENDA:

Agendas shall contain the following order of business:

- Roll Call and Determination of Quorum
- Approval of Agenda
- Approval of Minutes
- Public Comment
- Business Items
- Public Comment
- Future Meeting(s) Agenda Items

SECTION V – SELECTION OF CHAIRMAN AND VICE-CHAIRMAN

The Commission shall select a Chairman for a term of one year, in rotation, from among the voting Members, and a Vice-Chairman, annually at the first meeting of the second quarter (in April) until such time that a change in that schedule is desired. Any voting member of the Commission may serve as Chairman or Vice-Chairman. [Act, 39]

SECTION VI – CALL TO ORDER:

The Chairman, or in the Chairman's absence, the Vice-Chairman, shall call the Commission to order at the scheduled meeting time and preside over the meeting. In the absence of the Chairman or Vice-Chairman, the Members of the Commission present shall elect a temporary presiding officer. If the Chairman or Vice-Chairman arrives during the meeting, the temporary presiding officer shall relinquish the chair when the item immediately before the Commission is concluded.

SECTION VII – PRESIDING OFFICER DUTIES:

The Presiding Officer shall preserve strict order and decorum at all regular and special meetings of the Commission. The Presiding Officer shall state every question coming before the Commission, announce the recommendation or decision of the Commission on all subjects, and decide all questions of order. Any decision or ruling of the Presiding Officer may be appealed to the full Commission in attendance by request of any Member. The Presiding Officer shall conduct a hand vote or roll call to determine if the decision or ruling is upheld; if not, the Presiding Officer's ruling or decision is reversed.

SECTION VIII – ORDER OF BUSINESS:

The Presiding Officer shall determine the order of business at meetings. The Presiding Officer on his or her own initiative, or the Commission by vote of the Members, may consider items out of sequence from the printed agenda. A time certain for particular items may be set in the agenda as posted, or by request of the Chairman or vote of the Members at the beginning of the Commission meeting, during the item for Approval of the Agenda.

Obtaining the floor – improper reference to be avoided: Every Member desiring to speak shall address the Presiding Officer and, upon recognition by the Presiding Officer, shall confine himself or herself to the question under debate, avoiding all personal references and indecorous language.

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

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

SECTION IX – ADDRESSING THE COMMISSION:

Citizens attending the meeting may address the Commission at the proper time as provided herein. Petitions, remonstrances, communications, comments or suggestions from citizens, which are not related to an item included in the agenda, must be heard under Public Comment.

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

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

SECTION X – DECORUM:

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

By Other Persons: Any person who willfully disrupts a meeting to the point where orderly conduct is impracticable may be barred by the Presiding Officer from further audience before the Commission at that meeting, unless permission to continue is granted by a majority vote of the Commission.

SECTION XI – QUORUM AND VOTING:

Quorum: A quorum shall consist of a majority of the voting Members of the Commission. The affirmative vote of a majority of the Members present is required to take action, unless a larger proportion is required by the Act for a particular action. [Act,40(2)]

Hand Vote or Roll Call: A hand vote or roll call vote must be taken upon the request of any Member. The Presiding Officer shall take roll call votes. The Presiding Officer shall endeavor to rotate the order of calling on Members on a roll call vote, except that the Presiding Officer shall always vote last on a roll call vote. It shall not be in order for Members to explain their vote during a roll call.

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

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

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

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

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

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

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

Conflict of Interest: Any Member who has a financial interest in a matter under consideration by the Commission shall disclose the full nature and extent of such interest and shall declare his or her ability to fairly discuss, deliberate and vote on the subject.

Required Voting: Members are required to vote on all issues placed before the Commission unless prohibited by a conflict of interest which would impair their ability to impartially discuss, deliberate and vote on the issue; or, if a Member was absent from a meeting, he or she may abstain from voting on the minutes of that meeting. A vote to abstain does not affect the quorum necessary for action.

Recording Votes: The minutes of the proceedings of the Commission shall record each individual Member's vote on any vote that is not unanimous.

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

SECTION XII – BUSINESS ITEMS

Business items to appear on a meeting agenda shall be set at the preceding meeting during the agenda item for that purpose. A Member may place a business item on agenda after the close of the preceding meeting only with the approval of the Chairman. The Member shall deliver the item to the Commission's staff verbally or in writing. Staff shall contact the Chairman, or the Vice-Chairman if the Chairman is not available, and request approval. If approved, staff shall place the item on the agenda for the next meeting so long as the legal notice is in accordance with the Open Meeting Law.

SECTION XIII – MEETING CANCELLATION

If, after the business items for a meeting have been set as provided above, the Commission's staff determines, in staff's best judgment, that the items available for consideration and/or action do not require or justify the holding of a regular meeting, staff shall so advise the Chairman, or the Vice-Chairman if the Chairman is not available, who in his or her sole discretion shall determine whether the meeting will be cancelled.

SECTION XIV – AMENDMENT OF POLICIES AND PROCEDURES

These Administrative Policies and Procedures may be amended, pursuant to a properly noticed agenda item, by a majority vote of the Commission Members present.

SECTION XV – RULES OF ORDER

“Roberts Rules of Order Newly Revised” shall govern the proceedings of the Commission in all cases, provided they are not in conflict with these Administrative Policies and Procedures.

PROPOSED

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 27, 2010

TO: Chairman and Members, Northern Nevada Water Planning Commission

FROM: Jim Smitherman, Water Resources Program Manager

SUBJECT: Status report on development of the 2011 Comprehensive Regional Water Management Plan, including draft chapters 2, 3 and 7, outline, timeline and contractual services, and possible direction to staff

SUMMARY

At the May 5 Northern Nevada Water Planning Commission (“NNWPC”) meeting staff will distribute draft chapters 2, 3 and 7 of the 2011 Comprehensive Regional Water Management Plan (“RWMP”) for your review. In addition, commissioners will be provided copies of regional water planning policies and issues identified in the existing RWMP that are related to the subjects of the three draft chapters. Staff will present this material at the June 2 NNWPC meeting for discussion and direction.

Chapter 2, Water Resources, describes the various sources of water available to meet the present and future needs in the planning area. The text includes discussion on recent amendments to the Truckee Meadows Regional Plan and the recently completed comparison of the Washoe County Consensus Population Forecast and the sustainable water resources identified in the chapter. It also discusses the quality of surface water and groundwater and describes certain programs concerning pollution prevention and clean up.

Chapter 3, Water Purveyors, describes public water purveyors, service areas, major infrastructure and operating information required by the WRWC Act, such as peaking and storage capacity. The chapter also contains information on non-public water purveyors and reclaimed water purveyors in the planning area.

Chapter 7, Water Conservation, contains essentially the same information as in the 2009 Amendment to the Regional Water Management Plan, except for an updated drought response plan and the recent changes to TMWA’s assigned day watering schedule.

Status of other chapters:

- Chapter 1, Policies and Criteria – As draft chapters are presented to the commission for review, pertinent policies and criteria will also be presented for review and direction, which will provide for a complete review of Chapter 1.
- Chapter 4, Wastewater – Staff is working with ECO:LOGIC Engineering and wastewater service providers to update this chapter.
- Chapter 5, Flood Control and Drainage – The Truckee River Flood Project and Public Works Departments will provide input and review on this chapter, which is approximately 50%

complete.

- Chapter 6, Population Forecast and Projections of Water Demands and Wastewater Flows – Staff is working with TMWA and Washoe County on population projection methodology and how it affects water demand and wastewater flow modeling in sub-areas. ECO:LOGIC is working with service providers on their methodologies to project wastewater flows. The comparison of the draft Washoe County Consensus Population Forecast and the estimated population that can be supported by the identified sustainable water resources will also be included in this chapter.
- Chapter 8, Issues Identification and Proposed Alternatives – Similar to the policies and criteria in Chapter 1, discussion on issues and alternatives will be initiated relative to the subjects of draft chapters as they are presented for review.
- Chapter 9, Cost and Financing Analysis – ECO:LOGIC will update the analysis provided in the 2009 Amendment to the RWMP using information from service providers, including Capital Improvement Projects and facility plans.
- Chapter 10, Action Plan – This chapter will outline issues and alternatives to be addressed in the coming planning cycle, based on the findings and conclusions and priorities identified in the prior chapters.

JS:jd

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 28, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Jim Smitherman, Water Resources Program Manager
SUBJECT: Program Manager's Report

Attached are the following updated reports for your review:

- a) Status Report of Projects and Work Plan supported by the Regional Water Management Fund
- b) Financial report on the Regional Water Management Fund
- c) Truckee River Flood Management Project status report
- d) Informational report from the NNWPC representative on the Truckee Meadows Water Authority Standing Advisory Committee

**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	D-InSAR	Bureau of Mines & Geology	12,690	12,690	0%	12/31/10	Work in Progress
8/15/07	N/A	Washoe Evapotranspiration (ET)	DRI (Desert Research Institute)	20,745	11,753	43%	10/31/2010	Work is in progress
4/1/09	4/10/09	North Valleys - Amendment to include Regional Integrated Wastewater System Planning	City of Reno (ECO:LOGIC)	96,000	7,954	92%	6/30/10	Work is in progress
6/4/08	7/11/08	TMDL Phase 1	City of Reno (LimnoTech)	197,500	0	100%	11/01/09	Work continues with Amendment for \$400,000 (see next line)
N/A	7/10/09	Amendment to TMDL Phase I	City of Reno (LimnoTech)	400,000	357,389	11%	7/31/10	Work is in progress
N/A	3/13/09	TMDL Legal Services	Somach Simmons & Dunn	50,000	7,520	85%	6/30/11	Work is in progress
1/7/09	3/13/09	Marlin Drain - Hydro/Hydraulic analysis of tributary watershed to Swan Lake	Washoe County Public Works (Manhard)	50,000	0	100%	Complete	Completed
N/A	11/13/09	Cloud Seeding Program	(DRI) Desert Research Institute	45,000	39,294	13%	3/31/11	Work is in progress
12/2/09	N/A	GIS Maps & Figures in the Water Management Plan	Washoe County Dept Water Resources GIS Services	17,000	17,000	0%	6/30/11	Work is in progress
12/2/09	1/8/10	Technical Services on the Water Management Plan	ECO:LOGIC Engineering	49,000	42,922	12%	6/30/11	Work is in progress
12/2/09	N/A	Certified Landscape Technician Program	Nevada Landscape Association (NLA)	25,000	21,370	15%	12/30/11	Work is in progress (2010 and 2011)

::Administration Projects								
N/A	5/21/09 (JS)	Website Design - First Scope of Work	Washoe County Community Relations	4,400	3,905	11%	6/30/10	Work is in progress
N/A	12/10/09 (JS)	Website Design - Second Scope of Work	Washoe County Technology Services	17,850	8,853	50%	6/30/10	Work is in progress
6/3/09	7/2/09 (JS)	SNCAT Televising of WRWC & NNWPC FY 09-10	SNCAT	7,200	6,400	11%	6/30/10	Work is in progress
6/3/09	7/2/09 (JS)	G3 Productions - NNWPC FY 09-10 County Chambers	G3 Productions	2,040	1,343	34%	6/30/10	Work is in progress

::Grant Projects								
N/A	11/13/09	Clean Water Act Grant Regional Integrated Wastewater System Planning	Nevada Division of Environmental Protection (NDEP)	40,000	40,000	0%	6/30/10	Work is in progress

Financial Report on the Regional Water Management Fund

Run Date 04/27/10
Fund 766
Report: 400/ZF15
Period 1 thru 10 2010

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% (of Budget minus all Commitments)
481000 Interest-Pooled Inv.	30,180.00-	52,401.65-		52,401.65-	22,221.65	74		22,221.65	74
482100 RGL Pooled Inv.		5,411.44-		5,411.44-	5,411.44			5,411.44	
482200 URGL Pooled Inv.		2,599.10		2,599.10	2,599.10-			2,599.10-	
491060 Water Surcharge 1.5%	1,446,000.00-	1,073,131.02-		1,073,131.02-	372,868.98-	26-		372,868.98-	26-
** REVENUE	1,476,180.00-	1,128,345.01-		1,128,345.01-	347,834.99-	24-		347,834.99-	24-
701150 Contractual Wages	334,532.00	236,747.94		236,747.94	97,784.06	29		97,784.06	29
* SALARIES AND WAGES	334,532.00	236,747.94		236,747.94	97,784.06	29		97,784.06	29
710100 Professional Services	2,010,083.00	346,974.18	648,196.24	995,170.42	1,014,912.58	50		1,014,912.58	50
710120 Legal Fees	144,000.00	127,496.23	235,519.54	363,015.77	219,015.77-	152-		219,015.77-	152-
710139 Fin Consult Services	22,000.00				22,000.00	100		22,000.00	100
710149 Invest Pool Alloc Ex		1,984.73		1,984.73	1,984.73-			1,984.73-	
710200 Service Contract		1,985.01	11,753.26	13,738.27	13,738.27-			13,738.27-	
710509 Seminars and Meetings	10,000.00				10,000.00	100		10,000.00	100
710512 Auto Expense	2,400.00				2,400.00	100		2,400.00	100
711210 Travel	10,000.00				10,000.00	100		10,000.00	100
711508 Computers nonCapital		236.13		236.13	236.13-			236.13-	
711509 Comp Sftw nonCapital		202.69		202.69	202.69-			202.69-	
* SERVICES AND SUPPLIES	2,198,483	478,878.97	895,469	1,374,348.01	824,134.99	37		824,134.99	37
** EXPENDITURES	2,533,015	715,626.91	895,469	1,611,095.95	921,919.05	36		921,919.05	36
*** Total	1,056,835.00	412,718.10-	895,469.04	482,750.94	574,084.06	54-		574,084.06	54-



WASHOE COUNTY

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CM/ACM KS
Finance N/A

DA N/A

Risk Mgt. N/A

HR N/A

Other N/A

STAFF REPORT

BOARD MEETING DATE: April 27, 2010

DATE: April 5, 2010
TO: Board of County Commissioners
FROM: Naomi Duerr, P.G., Director, Truckee River Flood Management Project,
 850-7420 nduerr@washoecounty.us
SUBJECT: Acknowledge Receipt of Truckee River Flood Management Project
 Status Report for March 2010. (All Commission Districts.)

SUMMARY

A status report on the activities related to the Truckee River Flood Management Project for the month of March is provided herein.

County Priorities/Goals supported by this item: Preserving natural resources. Promoting quality economic development; managing intermittent flooding events along the Truckee River, thereby protecting property, restoring habitat, improving water quality and promoting recreational uses.

PREVIOUS ACTION

The most recent status report for February 2010 was presented to the Board of County Commissioners at the March 23, 2010 meeting.

BACKGROUND

Below is a list of the primary activities that were accomplished in the month of March 2010.

Improve Regional Collaboration

Corps Visit – Jay Aldean, Deputy Director and Paul Urban, Project Manager travelled to the Sacramento Corps offices March 16th to meet with Corps personnel and consultants working on the General Reevaluation Report (GRR) to discuss project goals, deliverables, timelines, etc.

Corps Tour – Sacramento U.S. Army Corps of Engineers' staff including Kris Mullins, the new Deputy District Engineer for Programs and Project Management, were in Reno on March 19th to get a first-hand look at the Flood Project. Kris has 13 years experience with the U.S. Army Corps of Engineers and comes from the Little Rock District in Arkansas, where she served the last two years as the Chief of the Project Management Branch, and

AGENDA ITEM # 14K

the Assistant Chief of Programs. The Sacramento Corps members enjoyed a six-hour bus tour of the Flood Project along with a briefing of the Project.

River Partners Tour – Danielle Henderson and Melissa Faigeles conducted a brief tour of the Flood Project for members of River Partners on March 24th. The mission of River Partners is to create wildlife habitat for the benefit of people and the environment. The organization protects the environment by implementing large scale restoration along streams and rivers in California's Central Valley, and is considering opportunities to assist with restoration efforts in the Truckee Meadows. An afternoon briefing included the Nature Conservancy to discuss possible future opportunities with Flood Project Restoration projects.

Technical Advisory Committee (TAC) – The TAC met March 26th and discussed a variety of topics including election of officers with Dan St. John, Public Works Director for Washoe County and Wayne Seidel, Public Works Director for Sparks retaining their respective positions as Chair and Vice-Chair. Other topics included an update on the Corps modeling and project schedule and accomplishments, goals and performance measures for the FY 09/10 along with activities associated with the following FY 10/11.

Media Day at the Excel Building – The Excel Building, owned by the Flood Project and located in the center of the future Living River Parkway, was the site of a Media Day for the City of Reno Police Department March 30th. Media witnessed training exercises and other exciting “visuals” associated with the Reno Police Department. The Flood Project has made the Excel building available for use by law enforcement agencies in the area, and it has come to be in almost constant use as a training facility.

Great Truckee Meadows Community Clean-Up – The Flood Project is partnering with Keep Truckee Meadows Beautiful (KTMB) for the the 2010 Great Truckee Meadows Community Clean-up event on Saturday, May 8th. Melissa Faigeles, Natural Resource Planner is heading up this worthwhile effort for the Flood Project and will be working at the Bristlecone property located at 101 S. McCarran Blvd. Volunteers will spend the morning cleaning up area open spaces and removing noxious weeds around the Truckee River. Not only is the cleanup tons of fun, but is sure to bring you closer to your friends, family and community! There are clean-up locations throughout the Truckee Meadows and volunteers can find the one closest to them and sign up at <http://www.ktmb.org/gtmccu.htm> (on the KTMB website). Hope to see you there!

Assistant Secretary of the Army (ASA) Civil Works Visit and Tour – Mark your calendars! Jo-Ellen Darcy, ASA, is tentatively scheduled to visit our area May 26th. Ms. Jo-Ellen Darcy, the Assistant Secretary of the Army (Civil Works), establishes policy direction and provides supervision of the Department of the Army functions relating to all aspects of the U.S Army Corps of Engineers' Civil Works program. She was appointed August 11, 2009 by President Barack Obama. Planning is underway for a tour of the Flood Project and a “meet and greet” with interested stakeholders. More information will be forthcoming as plans are confirmed.

Flood Warning System –The official transfer of the Flood Warning System from the County Water Resources Department to the Flood Project has begun. Ed Evans, the

primary employee associated with the program, began work with the flood project two weeks ago. The Flood Project's funding and operational responsibilities for the system are expected to start July 1, 2010. The program includes over 50 meteorological field sites that provide data on rainfall, stream flow, and the like. This data is crucial in the determination of the timing and strength of extreme weather events in the Truckee Meadows. In addition, this information initiates the activation of the regional Flood Threat Detection Plan.

TRAction Projects

Virginia Street Bridge Design – Interviews of potential contractors to design the new Virginia Street Bridge were held on March 31st. The 100+ year old Virginia Street Bridge is scheduled to be replaced with an elevated bridge as part of the Flood Project's early start TRAction projects. The design of the project will be funded by the 1/8 cent sales tax for flood control. Additional funds for actual construction of the bridge have been requested from the Corps of Engineers. Selection of a design consultant should be made in the near future.

Promote Financial Accountability of Washoe County

Budget – The Flood Project Coordinating Committee approved the Flood Project's FY 10-11 budget as presented at the March 12th meeting. Highlights include planned TRAction Project construction for the Rainbow Bend Raised Walkway and home elevation; design of the Virginia Street Bridge, North Truckee Drain, Tracy Pond Restoration, and the Living River Parkway; and a feasibility analysis of a levee at Wadsworth. The budget was presented to the Board of County Commissioners for their consideration on April 5th.

Provide Excellent Public Services

Hidden Valley Homeowner's Meeting – Naomi Duerr, Director, and Jay Aldean, Deputy Director, presented the latest information on the Hidden Valley Home Elevation Program to the Homeowner's Association on March 18th. Approximately 40 homeowners attended, many of whom were interested in signing up for the Home Elevation program once the program is approved by the Board of County Commissioners, currently expected in late April.

Reno Building Enterprise Fund Advisory Committee – On March 23rd, Naomi Duerr and Jay Aldean provided an update to the City of Reno's Building Enterprise Fund Advisory Committee on the Flood Project's proposed Joint Powers Authority (JPA) and potential role in reviewing development proposals for possible impacts on the flood project and flooding in general. The Committee provides the City of Reno with expertise and counsel from the building industry on the policies and management of the enterprise fund. Membership consists of seven (7) members nominated by the Reno community building industry, representing a cross-section of the industry including residential, commercial, and industrial.

Building and Construction Trade Council – Naomi Duerr and Jay Aldean met with members of the Building and Construction Trade Council for an overview of the Flood

Project on March 24th. The meeting was in preparation for a Building and Trade Council trip to Washington D.C. on April 16th to lobby Congress for support to create more jobs in the Truckee Meadows.

Develop Our Workforce

Hydrogeologist Ed Evans Joins the Flood Project – Ed Evans, a 20+year Washoe County employee moved over to the Flood Project from the Department of Water Resources on March 15th. Ed's role will be to continue to manage, maintain, and improve the 50+ gage Flood Warning System, and to assist with development of the Flood Project's new restoration monitoring program. The Flood Warning system is being transferred to the Flood Project to consolidate flood planning and management activities in the flood project, and to shift funding for the program to the 1/8 cent sales tax, relieving Washoe County's general fund and the Reno and Sparks' sewer budgets from this cost. In addition to the warning system, Ed has been responsible for surface water monitoring programs, groundwater quantity and quality monitoring programs, locating new groundwater supplies, and managing turn-key capital projects. Ed has a degree in Geology from UNR.

Natural Resource Planner – Melissa Faigeles joined the Flood Project as a Natural Resource Planner on March 15th. This much needed position will assist Danielle Henderson, Natural Resource Manager, with the development of natural resource strategies, oversight of restoration TRAction Projects, and assistance with the Flood Project's new restoration monitoring program. Melissa earned her bachelor's degree in ecology and evolution at the University of Pittsburgh and comes to the Flood Project from the California Tahoe Conservancy where she worked on large scale restoration projects in the Tahoe Basin. Prior to that, Melissa's work with the Nature Conservancy in Central Oregon helped her become well-acquainted with the high desert environment in our area.

Hydrologic Model Training – Flood Project Staff spent two days, March 29-30, in an initial training by Manhard Consulting to understand the hydrologic model known as GSSHA (pronounced "Geisha"). GSSHA is under consideration for selection as the model platform on which to develop the regional hydrologic model. Also in attendance at the training were representatives from the local jurisdictions and members of the Corps Sacramento office.

FISCAL IMPACT

No fiscal impact - for information only.

RECOMMENDATION

Staff recommends that the Board acknowledge receipt of the Truckee River Flood Management Project Status Report for March 2010.

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion would be: "Move to acknowledge receipt of the Truckee River Flood Management Project Status Report for March 2010."

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 28, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: June Davis, Administrative Secretary
SUBJECT: Informational report regarding the Truckee Meadows Water Authority Standing Advisory Committee

The Northern Nevada Water Planning Commission representative on the Truckee Meadows Water Authority Standing Advisory Committee (“TMWA SAC”) will update the Commission with a verbal informational report on the TMWA SAC.

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: April 28, 2010
TO: Chairman and Members, Northern Nevada Water Planning Commission
FROM: Jim Smitherman, Water Resources Program Manager
SUBJECT: Agenda items for the June 2, 2010 Commission Meeting

1. Review Draft Chapters 2, 3 and 7 of the 2011 Comprehensive Regional Water Management Plan, including pertinent planning policies and issues for future planning, and possible direction to staff, Jim Smitherman, Water Resources Program Manager.
2. Program Manager's Report, Jim Smitherman *
 - a. Status Report of Projects and Work Plan supported by the Regional Water Management Fund
 - b. Financial report on the Regional Water Management Fund
 - c. Truckee River Flood Management Project status report
 - d. Informational report from the NNWPC representative on the Truckee Meadows Water Authority Standing Advisory Committee
3. Discussion and possible direction to staff regarding agenda items for the July 7, 2010, Commission meeting and future meetings, Jim Smitherman.
4. Other Informational Items